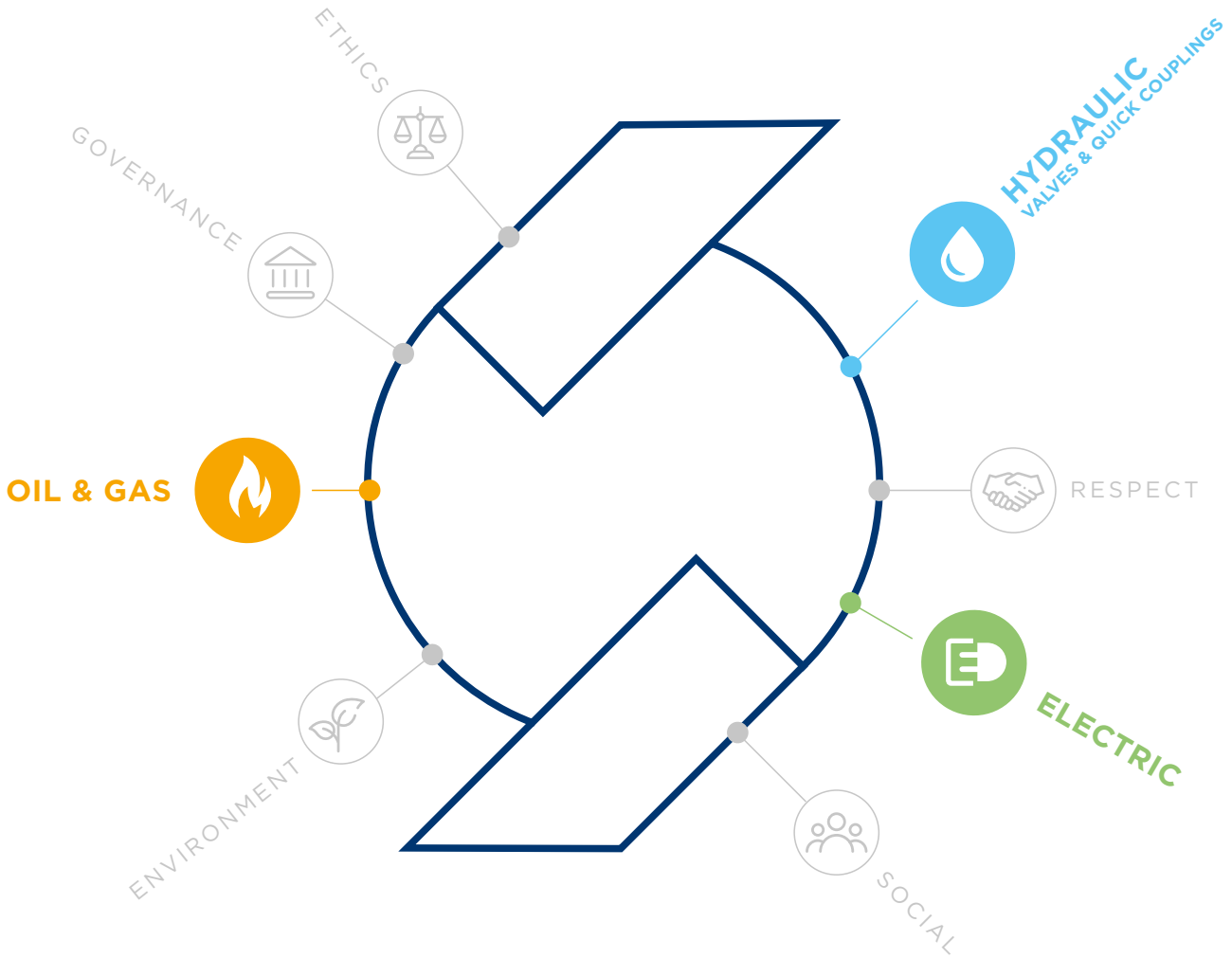
GEMELS®

50 YEARS 1969-2019

GENERAL CATALOGUE



ITALIAN MANUFACTURER SINCE 1969







GEMELS S.p.A.

COMPANY'S FOUNDATION

GEMELS S.p.A. was founded in 1969 as a Company specialized in the designing and manufacturing of ball valves and quick couplings from 1/4" up to 42".

GEMELS S.p.A. has become a worldwide leader in the industrial & hydraulic field and, since 2010, has started to focalize and to invest more and more also in the Oil & Gas field.

GEMELS S.p.A. has also introduced into its range new products regarding Green Power application, as ELECTRIC MOTORS and new other forthcoming projects for the electrification of equipment and machines.

WHERE WE ARE

GEMELS S.p.A. is located in the middle of North Italy, less than 50 km from Milan.
Address:
Via Gambirasio, 20/22 24069
Trescore Balneario (Bergamo)
ITALY

GEMELS NORTH AMERICA INC is located in Dayton, with office and warehouse supplying the American market.
Address:
Billing Address
1800 West Loop South
Suite 1740 - Houston, TX 77027
Warehouse & Distribution Center
35 Watterson St.
Dayton, OH 45417

HEADQUARTERS

GEMELS S.p.A. covers more than 12.500 m^2, between indoor and outdoor area.

1. QUALITY LAB AND CERTIFICATIONS

The quality department guarantees that the whole production follows all the required standards, performing rigorous tests before and after the assembly.

2. OFFICES

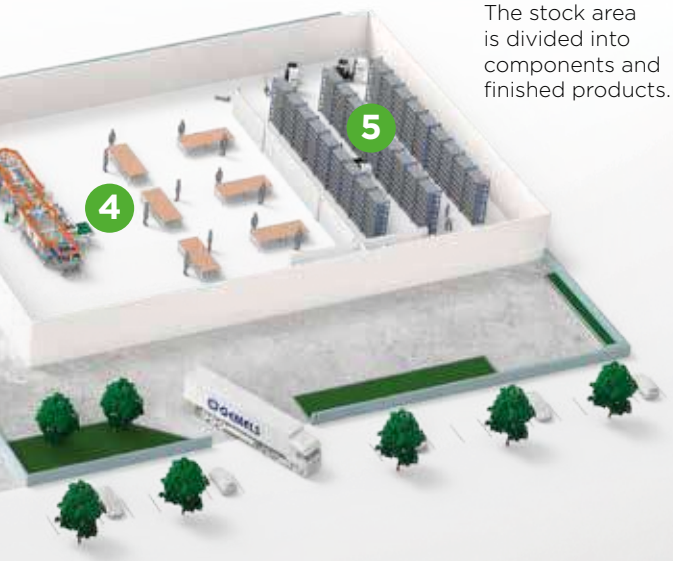
In GEMELS S.p.A. there are internal offices for all the departments, from Sales and Financial to Purchasing, Quality, Production, Shipping and Technical.



3. PRODUCTION

The production area consists of more than 50 machines and benches.





5. STOCK AND SHIPPING

The stock area is divided into components and finished products.

4. ASSEMBLING

The assembling area includes manual and automatic lines, where valves are 100% tested.

OUR HISTORY

In 1969, in the center of Trescore Balneario, Angelo Facchinetti gave life to his "Officina Meccanica". In 1988 the Company changed its name in **GEMELS** and in the '90s the first ball valve model GE2 was realized. The first shipment abroad, in 1997, highlighted the first step of the internationalization process. In 2004 **GEMELS** bought two new buildings, next to the first one, to increase its production. In 2010 the Company made the first investments in the Oil&Gas market, obtaining API 6D Certification two years later. In 2015, becoming always more aware of health and safety themes, **GEMELS** obtained ISO 18001 and OHSAS 14001 Certifications. The first machine for the automatic assembly of GE valves was introduced in 2017. In 2018 **GEMELS** widened its product range by developing Quick Couplings. In 2020 the Company changed its business name from **GEMELS** to **GEMELS S.p.A.** and the first branch in USA, **Gemels North America Inc**. based in Dayton, was officially opened.



GEMELS S.p.A. is not a Community for everybody. If you like impossible challenges, if you would like to become a champion and you are an honest person, you could be part of our reality.
Our distinctive value is fully understood by those who has made a direct experience in GEMELS S.p.A..

GLOBAL PRESENCE



100 COUNTRIES

GEMELS S.p.A. has a strong global presence with a network of distributors and partners all over the world. Reaching almost 100 countries, the Company is able to guarantee the faster solution to all the customers across the five continents.

PHILOSOPHY

GEMELS S.p.A. founds its philosophy on being a Company completely different from the other ones in every aspect for its courage and honesty.
This philosophy is not based on the enrichment of the Company management, but on sharing it with each colleague, who work with passion looking for a continuous improvement, growth and perfection, and his/her family. The real success of **GEMELS S.p.A.** is what we inspire in our colleagues' lives, which becomes then their personal success too. We base our philosophy on a creative long-period idea, where women hold high-profile positions, generating a chain of values that reaches their children, who, once included in the Company's reality, will bring the learned culture. The value given to people that are part of our Community is essential: they are the one who make the Company. To fully understand **GEMELS** philosophy, which is completely out of the ordinary, as far as you try, is often difficult, almost impossible.



SUSTAINABILITY

For **GEMELS S.p.A.** sustainability is a priority: the Company always takes care of ESG themes (Environmental Social Governance).
GEMELS S.p.A. supports the basics of the European Green Deal. This agreement, among its points, not only does it deal with the problem of climate change, but also it concerns workers and communities support, guaranteeing social protection and respect for human rights. Among the various aspects related to social issues, **GEMELS S.p.A.** puts great emphasis on the topic of welfare, as well as on employee engagement, gender diversity, responsible and sustainable supply chain.

ESG



The Company values its people (PEOPLE FIRST): it has always adopted this approach, as people are the one who make the Company. **GEMELS S.p.A.** has always worked hard to spread a 'COMPANY CULTURE', both internally and externally, that gives value and defends people, protects their mental and physical health and promotes their development.
Another goal is the female quota, currently up to 40% of the colleagues.
GEMELS S.p.A. philosophy follows the principles of TPS, based on lean production, 5S, pursuit of the excellence in quality and continuous improvements (kaizen).



“ WHEN YOU WORK, REMIND: YOUR FAMILY IS WAITING FOR YOU AT HOME! ”

GEMELS safety

One of **GEMELS S.p.A.** main focuses is the promotion and spread of a Safety Culture in the workplace. One of our mottos is: WHEN YOU WORK, REMIND: YOUR FAMILY IS WAITING FOR YOU AT HOME!
In order to spread safety awareness to all the partners and colleagues, we have introduced some special labels on our equipment and machinery with the **“GEMELS SAFETY”** brand. These labels are printed internally by our quality and safety department. **GEMELS S.p.A.** is ISO 45001 certified.

GEMELS Supply Support Center

Regarding the supply chain, the Company is committed to increasing awareness of themes such as the transparency and honesty of relationships. Since 2014, **GEMELS S.p.A.** has introduced a designated office with the aim of making continuous improvements to the quality of its products, thanks to a close collaboration between the suppliers and the Company: it is called GSSC (GEMELS Supply Support Center).

GEMELS ENVIRONMENT

We are sensitive to the environmental issues and to the impact that production activities have on the environment and territory in terms of natural gas emissions, energy savings, green innovation, soil protection and biodiversity. **GEMELS S.p.A.** is committed to inspiring its workers’ environmental awareness by reducing the quantity of waste produced, by optimizing recycling and by promoting the reduction of energy consumption thanks to our production cycles efficiency.
The Company dedicates few hours each year to environmental and social sustainability, supporting different local and national charitable organizations. **GEMELS S.p.A.** is ISO 14001 certified.



PATENT
1

BALL VALVES WITH INTEGRATED QUICK COUPLINGS

LEAN & COMPACT SOLUTIONS
Many components reduced to only one single item

BETTER & GUARANTEED PERFORMANCES
One single body incorporates valve and coupling, that means no more leakages and contaminations of the system and a more uniform flow

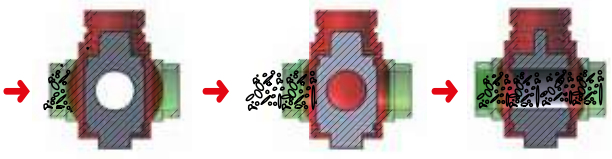
VARIOUS & CUSTOMIZED SOLUTIONS
Valve available in different threads and coupling standards according to request
ISO A / ISO B / FLAT FACE / N / NV / PUSH-PULL



PATENT
2

DIRTY GAS APPLICATION

For some critical applications with dirty gas, especially in CNG field, **GEMELS S.p.A.** patented a special insert with an internal stem to avoid completely the damaging of ball seats.



0° Ball and insert close | 45° Insert open | 90° Ball and insert open

DESIGN AND PATENT

Thanks to its philosophy, based on lean production, **GEMELS S.p.A.** has specialized over the years in the design and production of valves for special & critical applications, providing customers with lean solutions and customized valves.
Thanks to the R&D department rigorous study of advanced and innovative solutions, **GEMELS S.p.A.** has also obtained 4 patents in Italy and Europe.



PATENT 3

GEMFY

Our GEMFY Valve is studied for high-pressure application, ensuring:
- lower torque values.
- smaller & cheaper actuator.
- absence of an external bypass valve.
- more open/dose cycles.
- longer life of the ball valve.
- easier opening after long period of closing.

PATENT 4

FULLY WELDED

The patent is applicable to FULLY WELDED SBT valves, where the flanges are welded to the body (and not bolted).
The patent allows to assemble and test the valve more safely, quickly and cheaply.
Thanks to the special grooves studied, which permit mounting and testing the body and the flanges, it is possible to perform the high-pressure leak test without performing the first weld overlay.
That is both time-saving and money-saving.

R&D

In **GEMELS S.p.A. R&D Department**, our technicians study innovative solutions. In the last years, the Company has been focusing on GREEN POWER ENERGY with new projects in the ELECTRIC field. **GEMELS S.p.A.** introduced three-phase synchronous ELECTRIC MOTORS and other new technological products.

APPLICATIONS & SOLUTIONS

GEMELS S.p.A. electric motors are studied for different applications: agriculture, earth moving, construction, cleaning, material handling, lifting equipment, transfer carts, automotive, e-mobility and many others.

CUSTOMIZED Series







LEAN CUSTOMIZED

GEMELS S.p.A. studies and designs special lean customized solutions for its customers based on specific requests. Thanks to the close collaboration between **GEMELS S.p.A.** technical department and the engineering department of the customers, we are able to study the best and most suitable solution for the application where our products will be mounted. **GEMELS S.p.A.** can realize prototypes and samples. Our customized solutions can range over different fields, like agriculture, fire-fighting, construction and building, lifting, automotive, steel plant, heavy equipment and marine.


Mitutoyo





QUALITY LAB

INTERNAL LABORATORY

The main characteristic of **GEMELS S.p.A.** ball valves is the excellence in quality, which is possible thanks to the accurate selection of raw materials, staff and partners made by the management.
Moreover, in the Internal Laboratory, **GEMELS S.p.A.** qualified personnel tests the valves' lifespan, simulating critical applications and conditions with special machineries (burst test, impulse test, salt spray test, climatic room, Tridimentional check, microscope, hardness gauge, bidimensional gauge) to constantly ensure the highest quality.

QUALITY MANAGEMENT SYSTEM
ISO 9001

HEALTH & SAFETY
ISO 45001

ENVIRONMENTAL MANAGEMENT SYSTEMS
ISO 14001





PRODUCTS CERTIFICATIONS

- CE PED Mod. H
- UKCA PER Mod. H
- ATEX
- FIRE SAFE
- DNV
- FUGITIVE EMISSION
- TA LUFT
- SIL 3
- EAC
- CRN

PRODUCTION

MORE THAN 60.000 VALVES PER MONTH

The production area, where **GEMELS S.p.A.** produces more than 60.000 ball valves per month, consists of more than 50 machines, including automatic numerical controlled machines and semi-automatic ones, among which CNC, lathes, transfers, boring machines, machining centres etc.





MADE IN ITALY







These technologies and the high qualified personnel help **GEMELS S.p.A.** to achieve the quality standards and excellence, obtaining the required technical characteristics and gaining trustworthiness in the market.





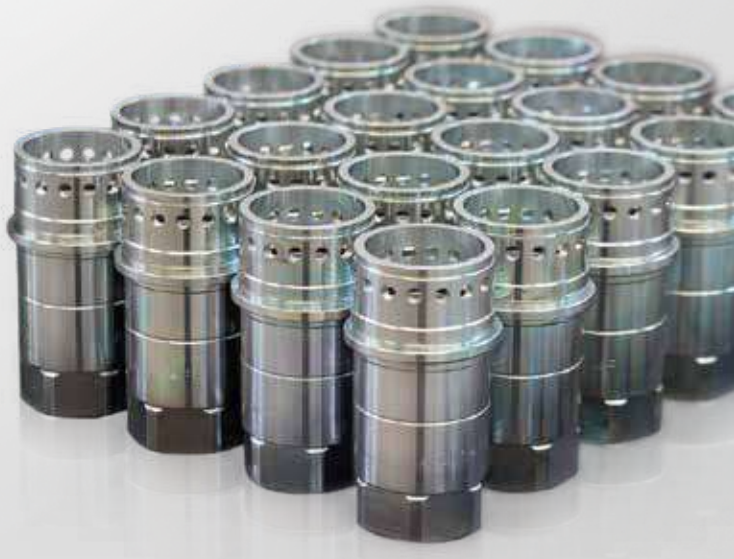


The whole production follows all the required standards, performing rigorous tests after both the production and the assembly.
After that, all valves are 100% tested using specific test benches.

MANUAL ASSEMBLING

There is the 'historical' manual assembly line for the assembly of special models and of big size ball valves up to 42".





AUTOMATIC ASSEMBLING

ASSEMBLING AND TESTING LINE

To further guarantee the quality of our products, at the beginning of 2017 we installed a new automatic assembly line for the mounting and testing of the ball valves.









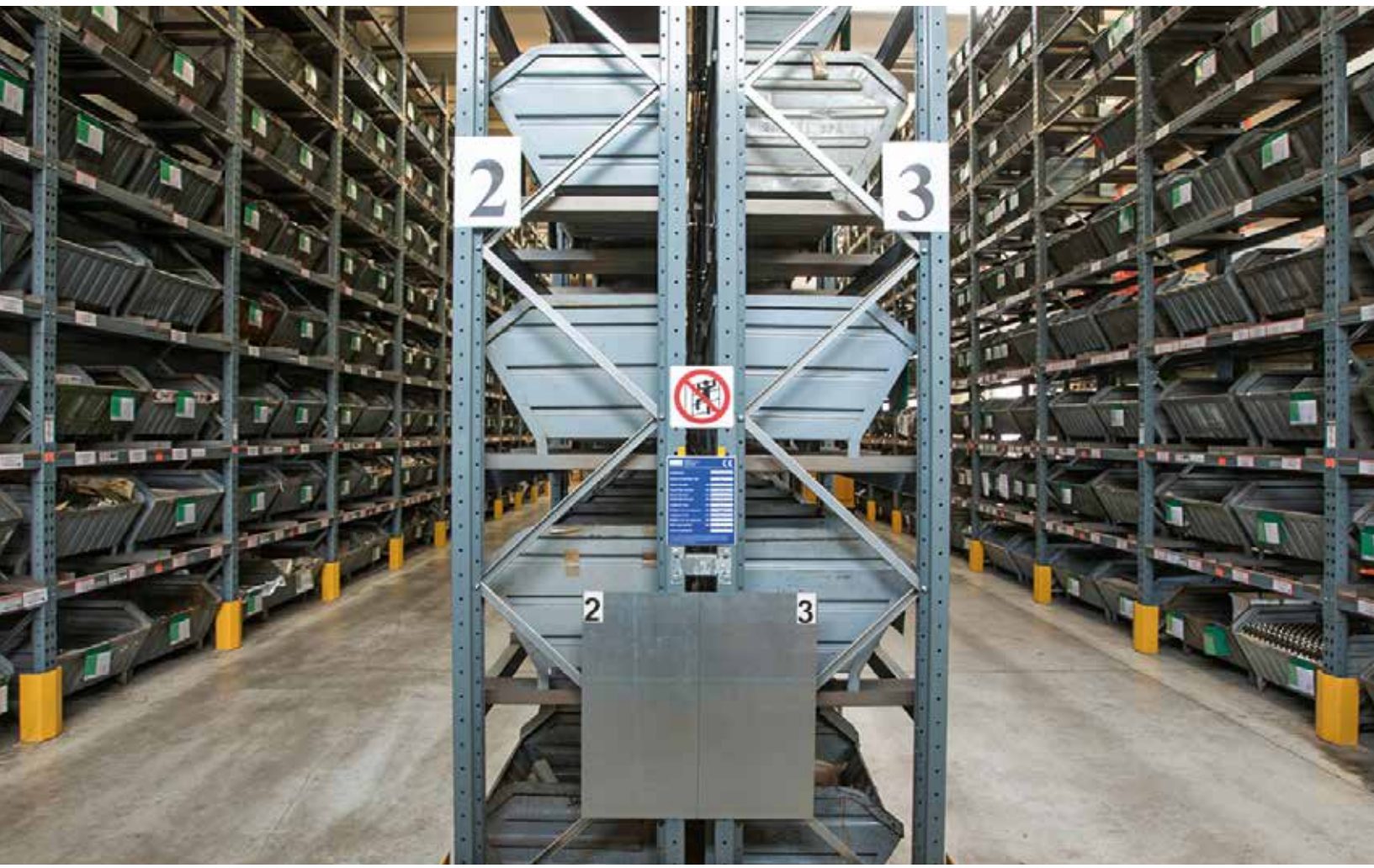
This machine permits the assembly and the relative test of all the standard valves up to 1". For each assembled valve an automatic report that shows every step of the process is made, thanks to the pictures shot by the cameras placed in each station of the machine.



STOCK AND SHIPPING

FAST DELIVERY

GEMELS' warehouse of 2.000 m² is divided between components and finished products. **GEMELS S.p.A.** is able to guarantee a wide range of products with fast delivery.





ELECTRIC MOTORS

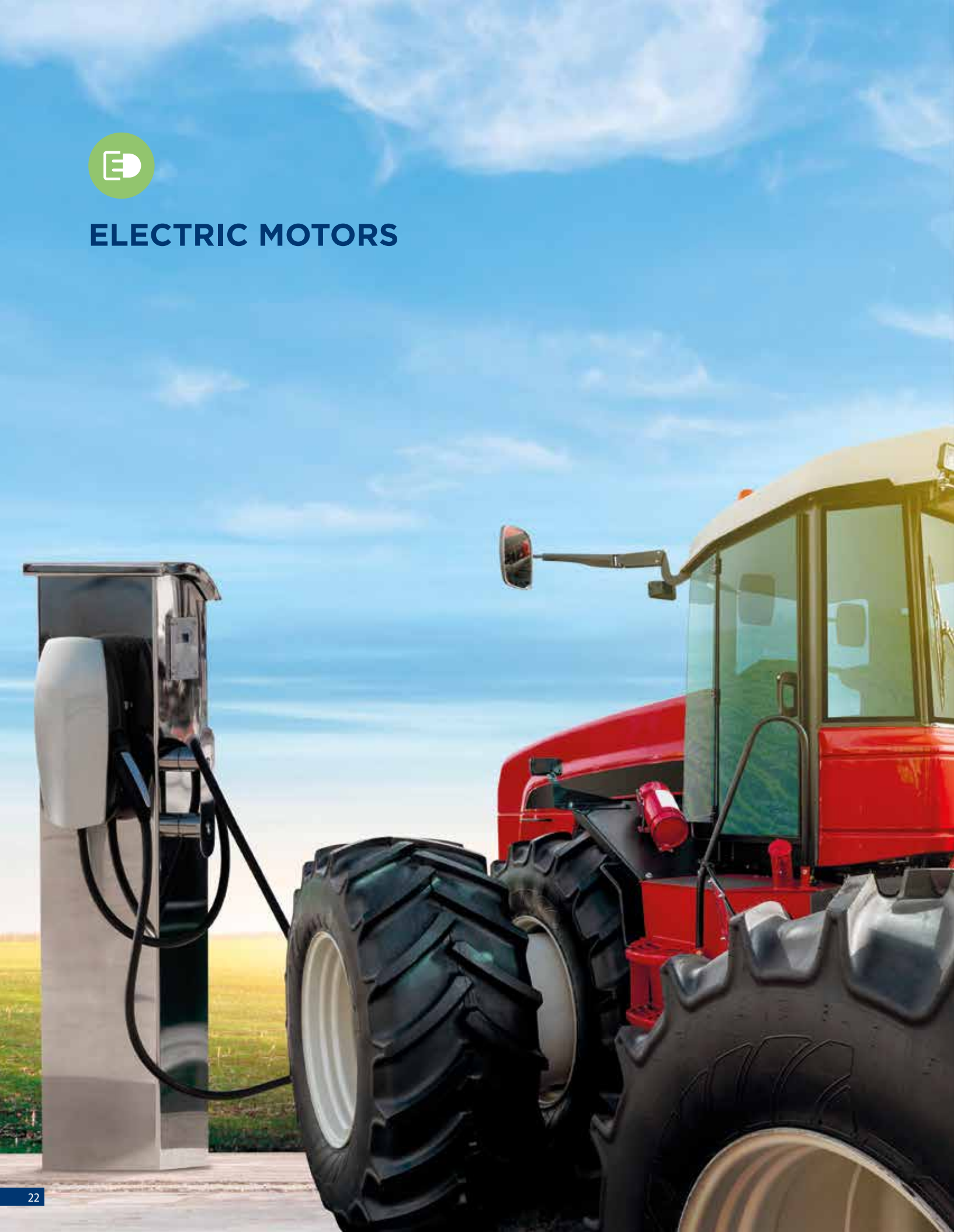


HYDRAULIC SWIVEL JOINTS
HYDRAULIC QUICK COUPLINGS
HYDRAULIC VALVES



OIL & GAS BALL VALVES

ELECTRIC MOTORS



ELECTRIC MOTORS



GREEN POWER

Modular aluminum or steel structure
- from 2 kW to 100 kW
- from 48V to 400V
- up to 10.000 RPM

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HYDRAULIC SWIVEL JOINTS

HYDRAULIC SWIVEL JOINTS



HSJ

- Type: HYDRAULIC SWIVEL JOINTS
- Sizes: from 2WAY up to 22WAY
- Ends: BSP, NPT, SAE, flange
- Pressure: up to PN420

page 48

HYDRAULIC QUICK COUPLINGS



HYDRAULIC QUICK COUPLINGS



FLAT FACE
- Carbon Steel and Stainless Steel
- Type: Quick Couplings
- Models: ISO 16028
- Sizes: from DN6 up to DN25
- Pressure: up to PN420

page 54



ISO B
- Carbon Steel and Stainless Steel
- Type: Quick Couplings
- Models: ISO 7241/B
- Sizes: from DN6 up to DN50
- Pressure: up to PN420

page 98



FFAP
- Carbon Steel
- Type: Quick Couplings
- Models: ISO 16028
- Sizes: from DN6 up to DN25
- Pressure: up to PN420

page 74



N
- Carbon Steel
- Type: Quick Couplings
- Models: ISO 5675
- Sizes: from DN6 up to DN25
- Pressure: up to PN350

page 104



ISO A
- Carbon Steel and Stainless Steel
- Type: Quick Couplings
- Models: ISO 7241/A
- Sizes: from DN6 up to DN50
- Pressure: up to PN420

page 76



NV
- Carbon Steel
- Type: Quick Couplings
- Models: ISO 5675
- Sizes: from DN6 up to DN25
- Pressure: up to PN350

page 108



PUSH PULL
- Carbon Steel
- Type: Quick Couplings
- Models: ISO 7241/A
- Sizes: from DN10 up to DN25
- Pressure: up to PN420

page 82



BGF
- Carbon Steel
- Type: Quick Couplings
- Models: ISO 5676
- Sizes: from DN10 up to DN13
- Pressure: up to PN210

page 112



DV
- Carbon Steel
- Type: Quick Couplings
- Models: ISO 7241/A - PUSH-PULL
- Sizes: from DN13 up to DN20
- Pressure: up to PN350

page 90



VGA
- Carbon Steel and Stainless Steel
- Type: Quick Couplings
- Models: ISO 14541
- Sizes: from DN6 up to DN25
- Pressure: up to PN420

page 116

HYDRAULIC QUICK COUPLINGS



VGB

- Carbon Steel
- Type: Quick Couplings
- Models: ISO 14540
- Sizes: from DN6 up to DN10
- Pressure: up to PN700

page 130



DG

- Carbon Steel
- Type: Quick Couplings
- Models: ISO 15171-1
- Sizes: from DN6
- Pressure: up to PN500

page 132



GE2 FF*

- Carbon Steel
- Model: Ball Valve GE2 with Integrated Quick Coupling FLAT FACE
- Sizes: from DN10 up to DN25
- Pressure: up to PN420

GE2 A*

- Carbon Steel
- Model: Ball Valve GE2 with Integrated Quick Coupling ISO A
- Sizes: from DN10 up to DN25
- Pressure: up to PN420

GE2 PP*

- Carbon Steel
- Model: Ball Valve GE2 with Integrated Quick Coupling PUSH-PULL
- Sizes: from DN10 up to DN25
- Pressure: up to PN420

GE2 VGA*

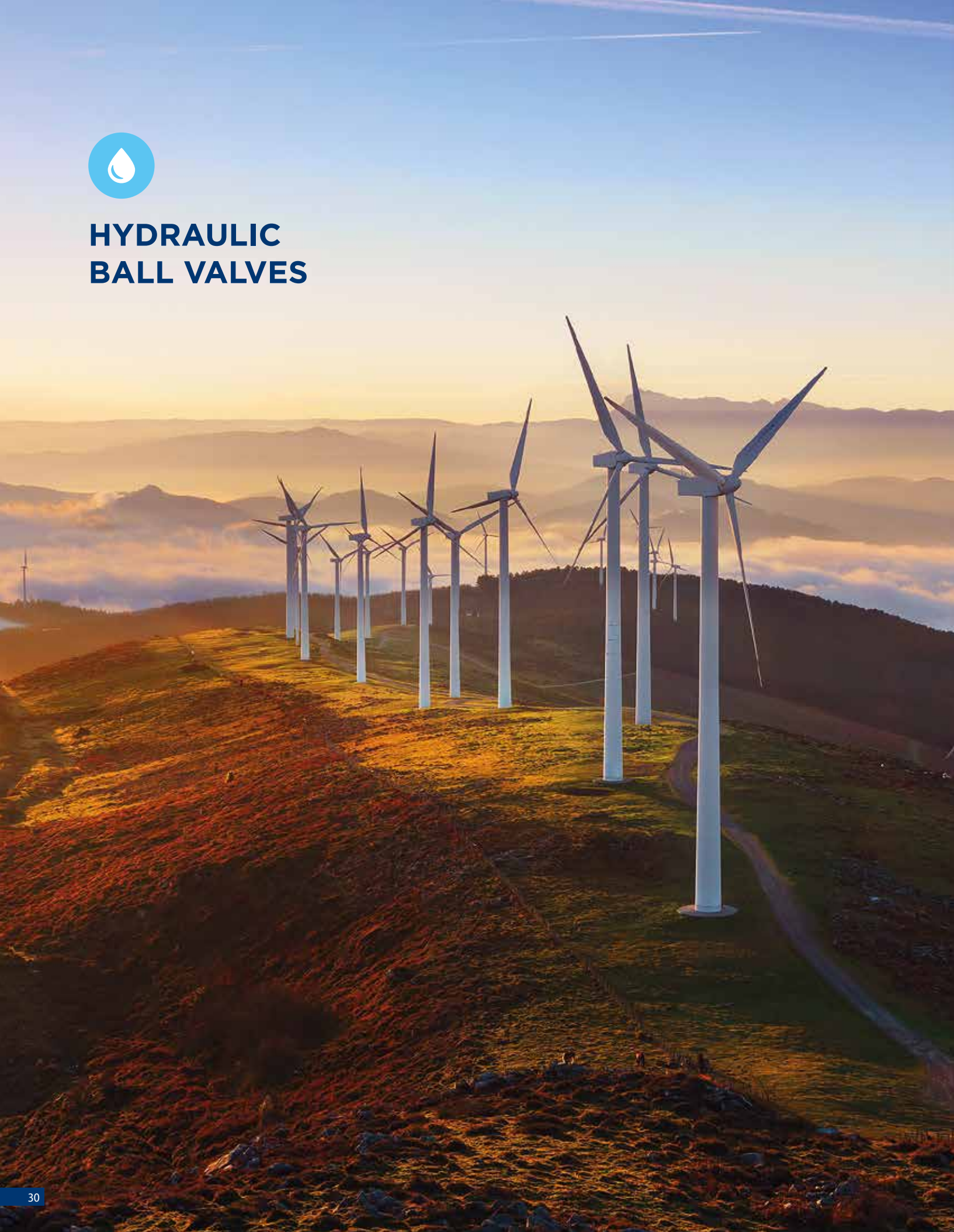
- Carbon Steel
- Model: Ball Valve GE2 with Integrated Quick Coupling VGA
- Sizes: from DN10 up to DN25
- Pressure: up to PN420

page 136

* patent



HYDRAULIC BALL VALVES



HYDRAULIC BALL VALVES



CUSTOMIZED LEAN SOLUTION

page 154



GE2 HC

- Carbon Steel and Stainless Steel
- Type: ball valve 2 way high cycles
- Sizes: from DN6 up to DN32
- Ends: BSP-NPT-SAE
- Pressure: up to PN500

page 196



GH2

Hydrogen

- Stainless Steel
- Type: ball valve 2 way high cycles
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE
- Pressure: up to PN1000

page 174



GE3

- Carbon Steel and Stainless Steel
- Type: ball valve 3 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE-DIN
- Pressure: up to PN500

page 202



GEM

- Carbon Steel and Stainless Steel
- Type: ball valve 2 way
- Sizes: DN6
- Ends: BSP-NPT-SAE
- Pressure: up to PN500

page 180



GE5

- Carbon Steel
- Type: ball valve 3 way
- Sizes: from DN6 up to DN13
- Ends: BSP-NPT-SAE
- Pressure: up to PN500

page 210



GE1

- Carbon Steel
- Type: ball valve 2 way
- Sizes: from DN6 up to DN13
- Ends: BSP-NPT-SAE
- Pressure: up to PN500

page 184



GE3K

- Carbon Steel and Stainless Steel
- Type: ball valve 3 way special seats, zero leakage
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE
- Pressure: up to PN500

page 214



GE2

- Carbon Steel and Stainless Steel
- Type: ball valve 2 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE-DIN
- Pressure: up to PN500

page 188



GEF

- Carbon Steel and Stainless Steel
- Type: ball valve 2 way
- Sizes: from DN13 up to DN25
- Ends: ISO6162-1/-2 SAEJ518-1/-2
- Pressure: up to PN420 / S6000

page 218

HYDRAULIC BALL VALVES



GES
- Carbon Steel and Stainless Steel
- Type: ball valve 2 way
- Sizes: from DN13 up to DN25
- Ends: SAE J518
- Pressure: up to PN420 / S6000

page 222



GEF-S
- Carbon Steel and Stainless Steel
- Type: ball valve 2 way
- Sizes: from DN13 up to DN25
- Ends: ISO6162-1/-2 SAEJ518-1/-2
- Pressure: up to PN420 / S6000

page 226



GB1
- Carbon Steel and Stainless Steel
- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: BSP-NPT-SAE
- Pressure: up to PN420

page 230



GB3
- Carbon Steel and Stainless Steel
- Type: ball valve 3 way
- Sizes: from DN32 up to DN50
- Ends: BSP-NPT
- Pressure: up to PN350

page 234



GBF
- Carbon Steel and Stainless Steel
- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: ISO6162-1/-2, SAEJ518-1/-2
- Pressure: up to PN420 / S6000

page 238



GBS
- Carbon Steel and Stainless Steel
- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: SAE J518
- Pressure: up to PN420 / S6000

page 242



GBF-S
- Carbon Steel and Stainless Steel
- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: ISO6162-1/-2, SAEJ518-1/-2
- Pressure: up to PN420 / S6000

page 246



GV2
- Type: ball valve 2 way
- Sizes: from DN10 up to DN32
- Ends: BSP-NPT-SAE / ISO6162-1
- O-Rings: NBR, FKM, EPDM, MVQ
- Pressure: up to PN500 / S6000
- Temp range: -20°C to +100°C

page 250



GV3
- Type: ball valve 3 way
- Sizes: from DN10 up to DN32
- Ends: BSP-NPT-SAE / ISO6162-1
- O-Rings: NBR, FKM, EPDM, MVQ
- Pressure: up to PN500 / S6000
- Temp range: -20°C to +100°C

page 254



G3K
- Carbon Steel
- Type: ball valve 3 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT
- Pressure: up to PN500

page 258



G4K

- Carbon Steel
- Type: ball valve 4 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT
- Pressure: up to PN500

page 262



GHP

- Carbon Steel and Stainless Steel
- Type: ball valve 2 way
- Sizes: from DN13 up to DN100
- Ends: BSP-NPT
- Pressure: up to PN370

page 284



GPK2

- Carbon Steel
- Type: manifold
- Sizes: from DN6 up to DN50
- Ends: Drilling pattern Gemels
- Pressure: up to PN500

page 266

KITS

- Locking
- Handles
- Pneumatic&Electric Actuators
- Limit Switch

page 399



GPK3

- Carbon Steel
- Type: manifold
- Sizes: from DN6 up to DN50
- Ends: Drilling pattern Gemels
- Pressure: up to PN500

page 270

TECH

page 449



GRC

- Carbon Steel and Stainless Steel
- Type: ball valve 2 way
- Sizes: from DN25 up to DN125
- Ends: ISO6164 (CETOP)
- Pressure: up to PN420 / S6000

page 274



GRS

- Carbon Steel and Stainless Steel
- Type: ball valve 2 way
- Sizes: from DN13 up to DN125
- Ends: ISO6162-1 / ISO6162 (SAE J518)
- Pressure: up to PN420 / S6000

page 278



HYDRAULIC VALVES

HYDRAULIC VALVES



VOSE

- Carbon Steel
- Type: Single Effect Overcenter Valve
- Sizes: DN6-DN20
- Ends: BSP-NPT-SAE
- Pressure: up to PN350

page 290



VODE

- Carbon Steel
- Type: Double Effect Overcenter Valve
- Sizes: DN6-DN20
- Ends: BSP-NPT-SAE
- Pressure: up to PN350

page 294



VRC

- Carbon Steel
- Type: Direct Acting Relief Valve with Manifold
- Sizes: DN6-DN10
- Ends: BSP-NPT-SAE
- Pressure: up to PN350

page 298



VRM

- Carbon Steel
- Type: Relief Valve in Manifold with Manometer Port
- Sizes: DN10-DN13-DN20
- Ends: BSP-NPT-SAE
- Pressure: up to PN350

page 302



VBP

- Carbon Steel

VBPSE
- Type: single pilot operated check valves
- Sizes: from DN6 up to DN50
- Ends: BSP
- Pressure: up to PN350

VBPDE
- Type: double pilot operated check valves
- Sizes: from DN6 up to DN50
- Ends: BSP
- Pressure: up to PN350

VBPDE CEXC
- Type: double pilot operated check valves
- Sizes: from DN6 up to DN50
- Ends: BSP
- Pressure: up to PN350”

page 306



RF

- Carbon Steel
- Type: check valve flow control
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT
- Pressure: up to PN400

page 310



BD

- Carbon Steel
- Type: reduce flow control B-directional
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT
- Pressure: up to PN400

page 314



VU

- Carbon Steel and Stainless Steel
- Type: check valve
- Sizes: from DN6 up to DN50
- Ends: BSP-NPT-SAE
- Pressure: up to PN500

page 318

HYDRAULIC VALVES



GEV
- Carbon Steel
- Type: shuttle valve 3 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE
- Pressure: up to PN500

page 322



GPS
- Carbon Steel
- Type: 3-ways single pilot operated check valves with zinc-plasted steel body
- Sizes: from DN6 up to DN25
- Ends: BSP
- Pressure: up to PN400

page 326



VB VUBA
- Carbon Steel
- Type: hose break valve
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE
- Pressure: up to PN350

VBF Female insert
VBM Male insert

page 328



SJ
- Carbon Steel
- Type: swivel joint / at 90°
- Sizes: from DN6 up to DN50
- Ends: BSP- NPT (on request)
- Pressure: up to PN400

page 332



SJ HD
- Carbon Steel
- Type: swivel joint HD / in line
- Sizes: from DN13 up to DN32
- Ends: BSP - UNF/SAE (on request)
- Pressure: up to PN400

page 336



DDF
- Cast Iron
- Type: 3 ways flow dividers
- Pressure: up to PN300

page 338

KITS
- Locking
- Handles
- Pneumatic&Electric Actuators
- Limit Switch

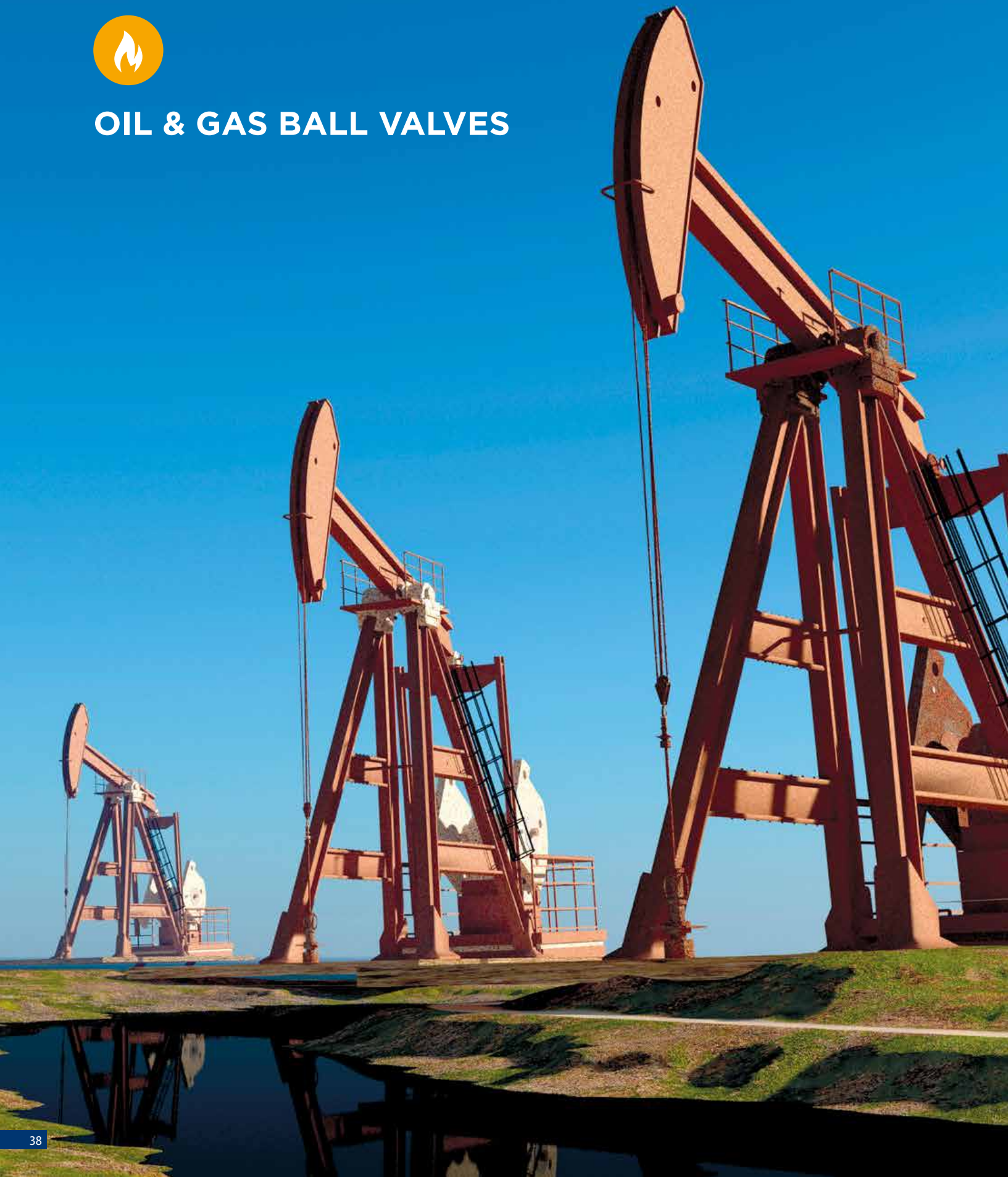
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TECH

page 449


New Holland

OIL & GAS BALL VALVES



OIL & GAS BALL VALVES



GN
- Carbon Steel and Stainless Steel
- Type: ball valve 2way
- Sizes: from DN6 up to DN50
- Ends: BSP-NPT-SW-SWXT -PE BW
- Pressure: up to PN500 / S6000

page 342



SBT
CS, SS, DSS, ALLOY (Forged)
- Type: ball valve Split Body Trunnion
- Sizes: from DN20 up to DN900
- Pressure: ANSI 150-2500

page 376



GM
- Carbon Steel and Stainless Steel
- Type: ball valve 2way
- Sizes: from DN6 up to DN100
- Ends: BSP-NPT-SW-SWXT -PE BW
- Pressure: up to PN500 / S3000

page 354



DBB
CS, SS, DSS, ALLOY (Forged)
- Type: ball valve Double Block and Bleed
- Sizes: from DN13 up to DN200
- Pressure: ANSI 150-2500

page 390



SBF-W
CS, SS, DSS, ALLOY (Forged)
- Type: ball valve Split Body Floating-Wafer type
- Sizes: from DN13 up to DN150
- Pressure: ANSI150-600

page 362

KITS
- Locking
- Handles
- Pneumatic&Electric Actuators
- Limit Switch

page 399



SBF
CS, SS, DSS, ALLOY (Forged)
- Type: ball valve Split Body Floating
- Sizes: from DN13 up to DN150
- Pressure: ANSI 150-2500

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TECH

page 449





ELECTRIC

ELECTRIC POWER SUPPLY

GEMELS series of electric motors, designed and produced in Italy, consists in AC three-phase torque motors, available in different models with power from 2 kW to 100 kW, from 48V to 400V, and up to 10.000 RPM.
Motors can be designed for traction solutions, Hydraulic power units (pump interfaces) and with standard flanges (IEC/NEMA), air and liquid cooling, power cables with motor connection box or directly connected to the winding.

ELECTRIC MOTORS

Edition. 21.0

CUSTOMIZED ON REQUEST

- **HIGHEST RELIABILITY**
  High safety and trustworthy products that operate in a defined environment without failure.
- **GREEN POWER SUPPLY**
  A subset of renewable energy to provide the highest environmental benefit.
- **COMPACT DIMENSIONS**
  Small, compatible and suitable products.
- **ENERGY SAVING**
  Products with a sensible reduction on consumption of energy to have higher life's quality.

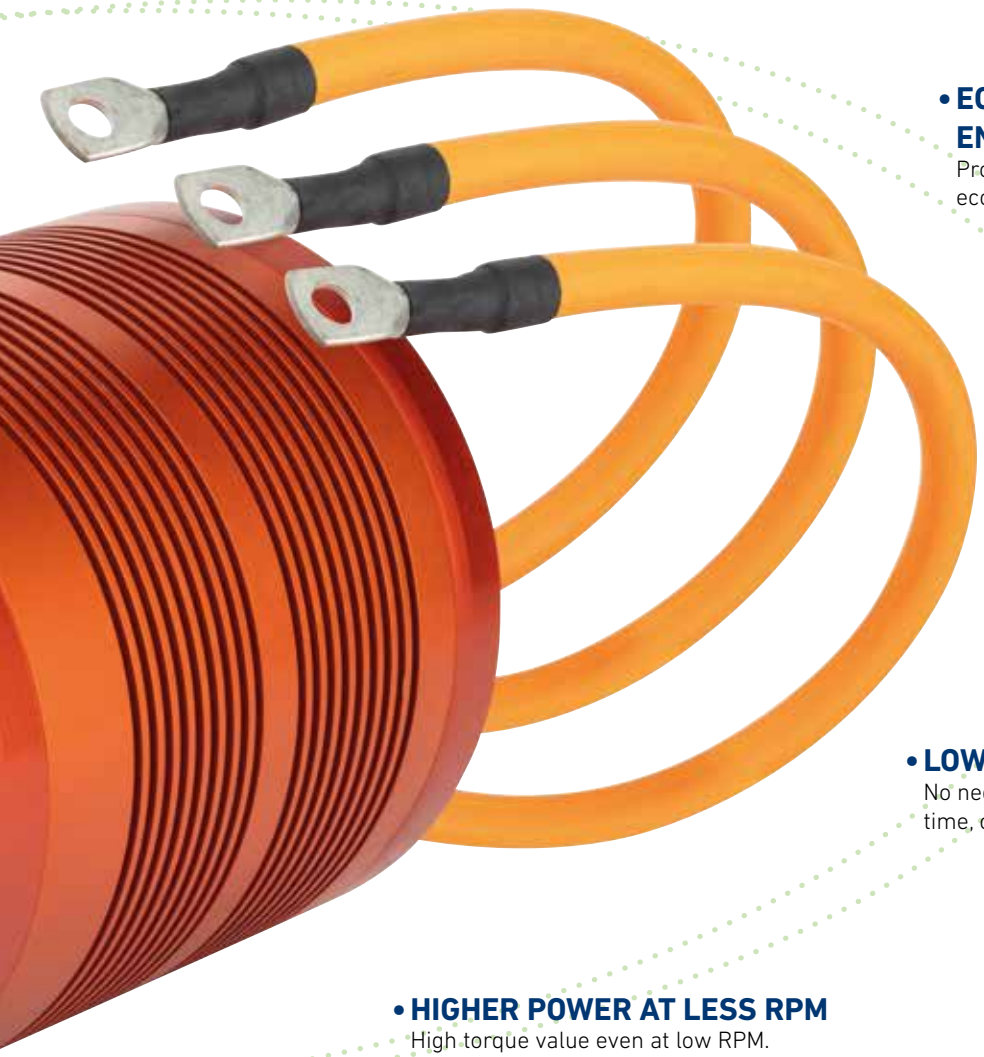


360.gemels.it





ABOVE SIZES AND POWER ACCORDING TO REQUEST



- **ECOLOGICAL ENVIRONMENTAL IMPACT**
  Products focused on prevent of the ecological impact on world environment.

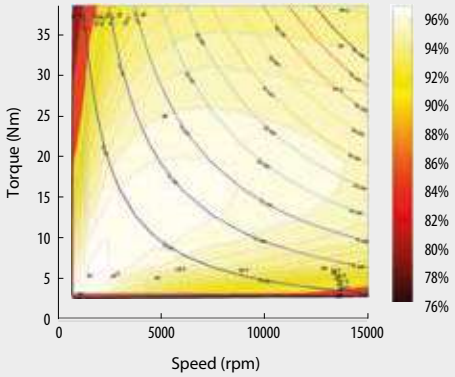
- **NOISE REDUCTION AND EMISSIONS-FREE**
  Products without waste of pollution in the environment.

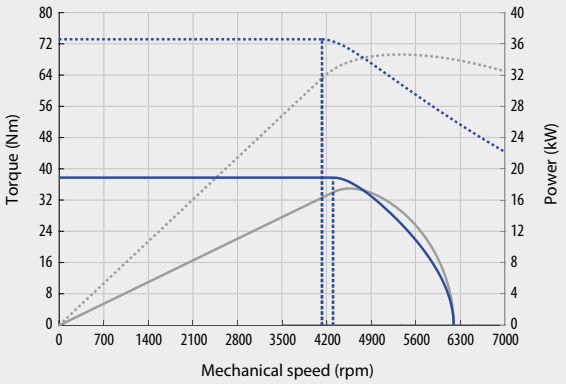
- **LOW-MAINTENANCE**
  No necessity to do big maintenance, efforts, time, on the plant.

- **HIGHER POWER AT LESS RPM**
  High torque value even at low RPM.

Diagrams

EFFICIENCY MAP





TECHNICAL DATA

	TYPE	Rated power (kW) at 48Vdc 2000RPM	Rated power (kW) at 72Vdc 3000RPM	Rated power (kW) at 96Vdc 4000RPM	Rated torque (Nm)	Cooling	IP
GEPG05	**GEPG05_04K**	2 kW	3 kW	4 kW	10 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)
	GEPG05_06K	3 kW	4,5 kW	6 kW	15 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)
	GEPG_H_06K available with Hydraulic Pump	3 kW	4,5 kW	6 kW	15 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)
	GEPG05_10K	5 kW	7 kW	10 kW	23 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)
	GEPG05_16K	8 kW	12 kW	16 kW	38 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)
	GEPG_H_16K available with Hydraulic Pump	8 kW	12 kW	16 kW	30 Nm	AIR / liquid +75% torque power value	IP54 (on request IP67)
	GEPG05_12K	6 kW	9 kW	11,5 kW	28 Nm	LIQUID	IP54 (on request IP67)
	GEPG05_16K	8 kW	11,5 kW	15,5 kW	37 Nm	LIQUID	IP54 (on request IP67)
	GEPG05_20K	10 kW	14,5 kW	19,5 kW	47 Nm	IQUID	IP54 (on request IP67)
	GEPG05_24K	12 kW	18 kW	24 kW	58 Nm	LIQUID	IP54 (on request IP67)
	GEPG05_36K	18,5 kW	24 kW	36 kW	88 Nm	LIQUID	IP54 (on request IP67)
	GEPG05_42K	21 kW	32 kW	42 kW	100 Nm	LIQUID	IP54 (on request IP67)

Technical features: Modular aluminium or steel structure from 2kW to 42kW suitable for services HYDRAULIC UNITS 0-8000 RPM 48-400 Volt

Customized on request	Modular aluminium or steel structure from 42kW to 50kW suitable for services - HEAVY HANDLING 0-10000 RPM / 96 - 400 Volt
	Modular aluminium or steel structure from 50kW to 100kW suitable for traction - HEAVY TRACTION 0-10000 RPM / 400 Volt

The company reserves the right to operate dimensional changes without prior notice.


NEW PROJECT
FOR GREEN POWER
...COMING SOON
READY TO GO
GEMELS ELECTRICAL





HYDRAULIC SWIVEL JOINTS

HYDRAULIC SWIVEL JOINTS

GEMELS has in its range HYDRAULIC SWIVEL JOINTS from 2WAY up to 22WAY for different application like drilling rigs, cranes, platforms and excavators. We study internally custom solutions for OEM according to their specific application.

HYDRAULIC SWIVEL JOINTS

Edition. 21.1

Type
HYDRAULIC SWIVEL JOINTS
Sizes
from 2WAY up to 22WAY
Ends
BSP, NPT, SAE, flange
Pressure
up to PN420



The company reserves the right to operate dimensional changes without prior notice.

Highest reliability

- stator: C40 - aluminium; rotor: S355J2G3 - aluminium.

Working conditions

- mounting position: vertical;
- axial and radial loads: not allowed;
- max rotating speed: 12 rpm;
- max pressure: 420 bar;
- min/max ambient temperatures: -20°c / +60°c;
- max working temperature: 90°c;
- standard working range: -10°c ÷ 80°c;
- rotating/starting torque: according to the design model.

Fluids

- hydraulic oil - DOT 4 - H2O

Surface treatments

- rotor: phosphatizing with manganese - nickel plating ENP - hard oxidation;
- stator: hard chromium plating - nickel plating ENP - hard oxidation.

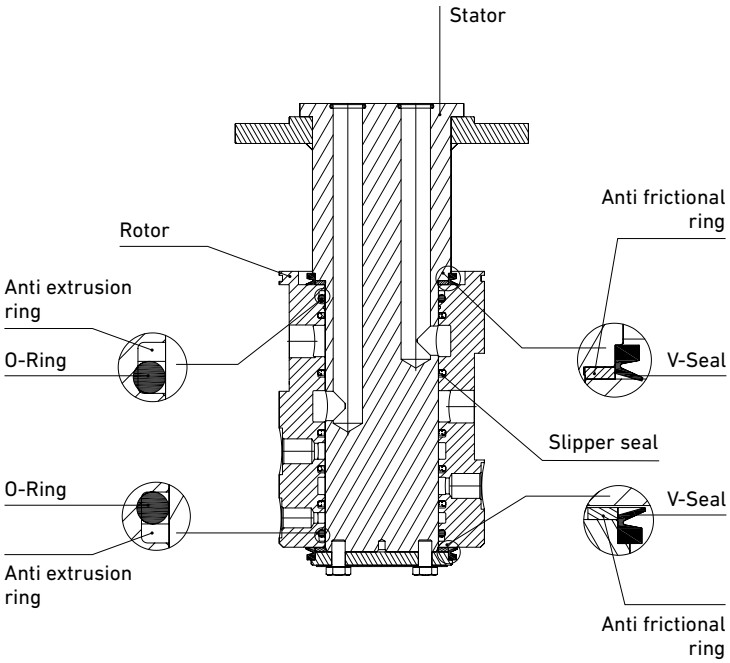
Sealing components

- seals in buna N - Viton - EPDM - special Teflon rings.

Accessories (slip ring)

- every model can be supplied with electrical swivel joint according to the requirements of the customers.

CROSS SECTION





2 WAY DRILLING RIG

5 WAY EXCAVATOR/MOBILE CRANE

18 WAY TELEHANDLER

APPLICATIONS & SOLUTIONS



DRILLING RIGS



EXCAVATOR/MOBILE CRANE



UNDERCARRIAGES



CONCRETE MIXER PUMPS



HYDRAULIC + SLIP RING TELEHANDLER



SLIP RING

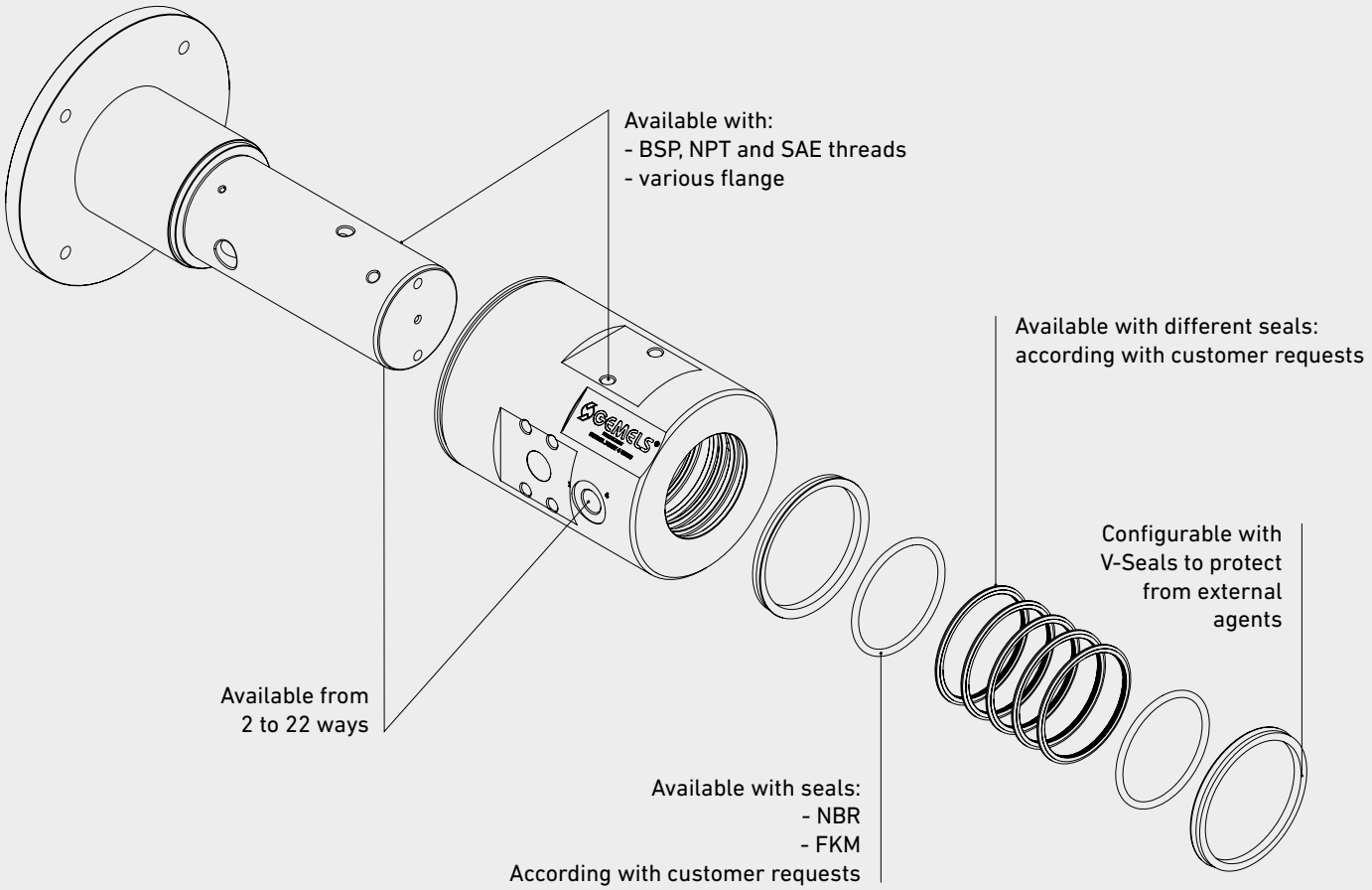






The company reserves the right to operate dimensional changes without prior notice.

COMPOSITION OF HYDRAULIC SWIVEL JOINT













QUICK COUPLINGS

QUICK COUPLINGS FOR DIFFERENT APPLICATIONS

GEMELS, known all over the world in the hydraulic and industrial field, always increases its range of products. For this reason, together with valves, **GEMELS** produces quick couplings for a large sector, such as agriculture. At the beginning, starting with ISO 7241 / A, ISO 7241 / B, ISO 16028 FLAT FACE, then to models such as ISO 5675 N and NV, PUSH-PULL, BULKHEAD, FLAT FACE CONNECTION UNDER PRESSURE and many others.

FLAT FACE

QUICK COUPLINGS

Available other different threads on request

Edition. 21.3

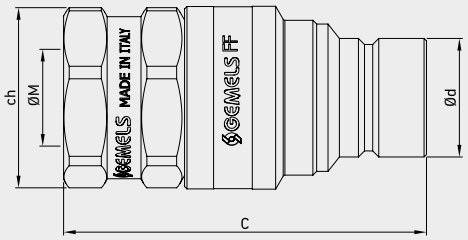
CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 16028 FLAT FACE
- Sizes: from DN6 to DN25
- Pressure: up to PN420

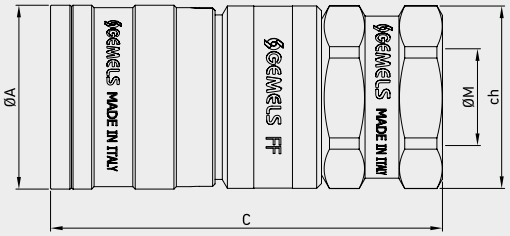
SS Stainless Steel

- Type: Quick Couplings
- Models: ISO 16028 FLAT FACE
- Sizes: from DN6 to DN25
- Pressure: up to PN420

Male

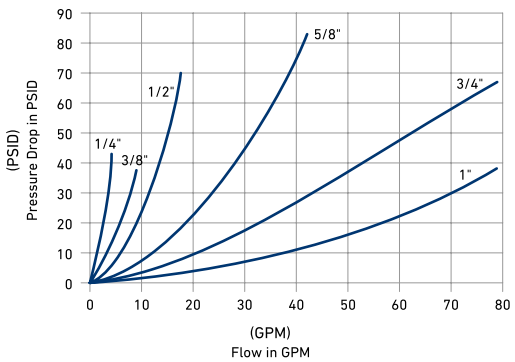


Female



Available also in patented version: ball valve with integrated quick coupling.

Performance
(1/4", 3/8", 1/2", 5/8", 3/4", 1")
Series (1/4", 3/8", 1/2", 5/8", 3/4", 1")
200SUS (Test Fluid: Oil-200SUS)



1 GPM = 3.78 l/min

1 PSID = 0.0069 MPa





CODE DESCRIPTION STRUCTURE

QC	G1/2	M/F	DN12,5	1	B

Type of coupling

ISO 16028 FF

Ends

ISO 1179-1 BSPP	ISO 8434-6 BSPP	ASME B1.20.1 NPT	ISO 11926-1 (SAE J1926-1) ORB	ISO 8434-1-S (DIN 2353)	ISO 8434-1-L (DIN 2353)	ISO 8434-1-S (DIN 2353) BULKHEAD	ISO 8434-1-L (DIN 2353) BULKHEAD	8434-2 (SAE J514) JIC
G 1/4	G 1/4	N 1/4	SAE4	8L	8S	8L	8S	J 3/8
G 3/8	G 3/8	N 3/8	SAE6	10L	12S	10L	12S	J 5/8
G 1/2	G 1/2	N 1/2	SAE12	12L	16S	12L	16S	J 1/2
G 3/4	G 3/4	N 3/4	SAE16	15L	25S	15L	20S	J 3/4
G 1	G 1	N 1	SAE20	18L		18L	25S	J 1
G 1 1/4	G 1 1/4	N 1 1/4	SAE24					

MALE

FEMALE

DN/ISO

6,3
10
12,5
16
19
25

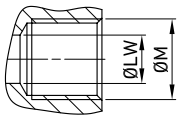
Body Material

● **1** = 1,0737
● **4** = 1,4404

Seal material

● **B** = NBR **E** = FKM*
● **E** = FKM

*On request
- Cups
- Plugs



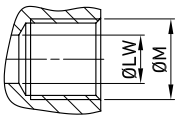
QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
FEMALE THREAD ISO 1179-1 BSPP

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC FF G 1/4 MALE	6.3	MPa	42	mm -	48	16,15	24	G1/4	kg 0,09	NC05G010000
		Psi	6090	inch -	1,89	0,64	0,94		lb 0,20	
QC FF G 1/4 FEMALE		MPa	42	mm 27	61,5	-	24	G1/4	kg 0,151	NC06G010000
		Psi	6090	inch 1,06	2,42	-	0,94		lb 0,33	
QC FF G 3/8 MALE	10	MPa	42	mm -	65,5	19,75	30	G3/8	kg 0,11	NC05G020000
		Psi	6090	inch -	2,58	0,78	1,18		lb 0,24	
QC FF G 3/8 FEMALE		MPa	42	mm 31	75	-	30	G3/8	kg 0,29	NC06G020000
		Psi	6090	inch 1,22	2,95	-	1,18		lb 0,64	
QC FF G 1/2 MALE		MPa	42	mm -	69,5	19,75	30	G1/2	kg 0,13	NC05G030000
		Psi	6090	inch -	2,74	0,78	1,18		lb 0,29	
QC FF G 1/2 FEMALE		MPa	42	mm 31	79	-	30	G1/2	kg 0,25	NC06G030000
		Psi	6090	inch 1,22	3,11	-	1,18		lb 0,55	
QC FF G 1/2 MALE	12,5	MPa	42	mm -	75	24,5	34	G1/2	kg 0,317	NC05G030003
		Psi	6090	inch -	2,95	0,96	1,34		lb 0,70	
QC FF G 1/2 FEMALE		MPa	42	mm 38	81	-	34	G1/2	kg 0,377	NC06G030003
		Psi	6090	inch 1,50	3,19	-	1,34		lb 0,83	
QC FF G 3/4 MALE		MPa	42	mm -	77,5	24,5	34	G3/4	kg 0,291	NC05G040000
		Psi	6090	inch -	3,05	0,96	1,34		lb 0,64	
QC FF G 3/4 FEMALE		MPa	42	mm 38	8,5	-	34	G3/4	kg 0,411	NC06G040000
		Psi	6090	inch 1,50	0,33	-	1,34		lb 0,91	
QC FF G 1/2 MALE	16	MPa	35	mm -	81	27	41	G5/8	kg 0,35	NC05GA30000
		Psi	5075	inch -	3,19	1,06	1,61		lb 0,77	
QC FF G 1/2 FEMALE		MPa	35	mm 42	88	-	41	G5/8	kg 0,49	NC06GA30000
		Psi	5075	inch 1,65	3,46	-	1,61		lb 1,08	
QC FF G 5/8 MALE		MPa	35	mm -	80	27	41	G1/2	kg 0,4	NC05G030004
		Psi	5075	inch -	3,15	1,06	1,61		lb 0,88	
QC FF G 5/8 FEMALE		MPa	35	mm 42	87	-	41	G1/2	kg 0,52	NC06G030004
		Psi	5075	inch 1,65	3,43	-	1,61		lb 1,15	
QC FF G 3/4 MALE		MPa	35	mm -	83,5	27	41	G3/4	kg 0,3	NC05G040004
		Psi	5075	inch -	3,29	1,06	1,61		lb 0,66	
QC FF G 3/4 FEMALE		MPa	35	mm 42	91	-	41	G3/4	kg 0,47	NC06G040004
		Psi	5075	inch 1,65	3,58	-	1,61		lb 1,04	
QC FF G 1 MALE		MPa	35	mm -	87	27	41	G1	kg 0,45	NC05G050003
		Psi	5075	inch -	3,43	1,06	1,61		lb 0,99	
QC FF G 1 FEMALE		MPa	35	mm 42	95	-	41	G1	kg 0,6	NC06G050003
		Psi	5075	inch 1,65	3,74	-	1,61		lb 1,32	

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC FF G 3/4 MALE	19	MPa	35	mm -	88,5	29,95	41	G3/4	kg 0,48	NC05G040005
		Psi	5075	inch -	3,48	1,18	1,61		lb 1,06	
QC FF G 3/4 FEMALE		MPa	35	mm 44	99	-	41	G3/4	kg 0,78	NC06G040005
		Psi	5075	inch 1,73	3,90	-	1,61		lb 1,72	
QC FF G 1 MALE		MPa	35	mm -	92	29,95	41	G1	kg 0,436	NC05G050000
		Psi	5075	inch -	3,62	1,18	1,61		lb 0,96	
QC FF G 1 FEMALE		MPa	35	mm 44	103	-	41	G1	kg 0,733	NC06G050000
		Psi	5075	inch 1,73	4,06	-	1,61		lb 1,62	
QC FF G 1 MALE	25	MPa	35	mm -	100	36	50	G1	kg 0,58	NC05G050002
		Psi	5075	inch -	3,94	1,42	1,97		lb 1,28	
QC FF G 1 FEMALE		MPa	35	mm 54,5	100	-	50	G1	kg 1,25	NC06G050002
		Psi	5075	inch 2,15	3,94	-	1,97		lb 2,76	
QC FF G 1 1/4 MALE		MPa	35	mm -	103	36	50	G1 1/4	kg 0,696	NC05G060000
		Psi	5075	inch -	4,06	1,42	1,97		lb 1,53	
QC FF G 1 1/4 FEMALE		MPa	35	mm 54,5	103	-	50	G1 1/4	kg 1,323	NC06G060000
		Psi	5075	inch 2,15	4,06	-	1,97		lb 2,92	
QC FF G 1 1/2 MALE		MPa	35	mm -	103	36	55	G1 1/2	kg 0,75	NC05G070000
		Psi	5075	inch -	4,06	1,42	2,17		lb 1,65	
QC FF G 1 1/2 FEMALE		MPa	35	mm 54,5	103	-	55	G1 1/2	kg 1,53	NC06G070000
		Psi	5075	inch 2,15	4,06	-	2,17		lb 3,37	

ABOVE ISO 25 G 1.1/2" : ON REQUEST

The company reserves the right to operate dimensional changes without prior notice.

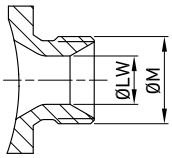


QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
FEMALE THREAD ISO 1179-1 BSPP

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC FF G 1/4 MALE	6.3	MPa 42	mm -	48	16,15	24	G1/4	kg 0,09	NC05G010001
		Psi 6090	inch -	1,89	0,64	0,94		lb 0,20	
QC FF G 1/4 FEMALE		MPa 42	mm 27	61,5	-	24	G1/4	kg 0,151	NC06G010001
		Psi 6090	inch 1,06	2,42	-	0,94		lb 0,33	
QC FF G 3/8 MALE	10	MPa 42	mm -	65,5	19,75	30	G3/8	kg 0,11	NC05G020001
		Psi 6090	inch -	2,58	0,78	1,18		lb 0,24	
QC FF G 3/8 FEMALE		MPa 42	mm 31	75	-	30	G3/8	kg 0,29	NC06G020001
		Psi 6090	inch 1,22	2,95	-	1,18		lb 0,64	
QC FF G 1/2 MALE		MPa 42	mm -	69,5	19,75	30	G1/2	kg 0,13	NC05G02S000
		Psi 6090	inch -	2,74	0,78	1,18		lb 0,29	
QC FF G 1/2 FEMALE		MPa 42	mm 31	79	-	30	G1/2	kg 0,25	NC06G02S000
		Psi 6090	inch 1,22	3,11	-	1,18		lb 0,55	
QC FF G 1/2 MALE	12,5	MPa 42	mm -	75	24,5	34	G1/2	kg 0,317	NC05G030002
		Psi 6090	inch -	2,95	0,96	1,34		lb 0,70	
QC FF G 1/2 FEMALE		MPa 42	mm 38	81	-	34	G1/2	kg 0,377	NC06G030002
		Psi 6090	inch 1,50	3,19	-	1,34		lb 0,83	
QC FF G 3/4 MALE		MPa 42	mm -	77,5	24,5	34	G3/4	kg 0,291	NC05G03S000
		Psi 6090	inch -	3,05	0,96	1,34		lb 0,64	
QC FF G 3/4 FEMALE		MPa 42	mm 38	8,5	-	34	G3/4	kg 0,411	NC06G03S000
		Psi 6090	inch 1,50	0,33	-	1,34		lb 0,91	
QC FF G 1/2 MALE	16	MPa 35	mm -	81	27	41	G5/8	kg 0,35	NC05GA3S000
		Psi 5075	inch -	3,19	1,06	1,61		lb 0,77	
QC FF G 1/2 FEMALE		MPa 35	mm 42	88	-	41	G5/8	kg 0,49	NC06GA3S000
		Psi 5075	inch 1,65	3,46	-	1,61		lb 1,08	
QC FF G 5/8 MALE		MPa 35	mm -	80	27	41	G1/2	kg 0,4	NC05GA3S001
		Psi 5075	inch -	3,15	1,06	1,61		lb 0,88	
QC FF G 5/8 FEMALE		MPa 35	mm 42	87	-	41	G1/2	kg 0,52	NC06GA3S001
		Psi 5075	inch 1,65	3,43	-	1,61		lb 1,15	
QC FF G 3/4 MALE		MPa 35	mm -	83,5	27	41	G3/4	kg 0,3	NC05G040002
		Psi 5075	inch -	3,29	1,06	1,61		lb 0,66	
QC FF G 3/4 FEMALE		MPa 35	mm 42	91	-	41	G3/4	kg 0,47	NC06G040002
		Psi 5075	inch 1,65	3,58	-	1,61		lb 1,04	
QC FF G 1 MALE		MPa 35	mm -	87	27	41	G1	kg 0,45	NC05GA3S002
		Psi 5075	inch -	3,43	1,06	1,61		lb 0,99	
QC FF G 1 FEMALE		MPa 35	mm 42	95	-	41	G1	kg 0,6	NC06GA3S002
		Psi 5075	inch 1,65	3,74	-	1,61		lb 1,32	

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC FF G 3/4 MALE	19	MPa 35	mm -	88,5	29,95	41	G3/4	kg 0,48	NC05G04S000
		Psi 5075	inch -	3,48	1,18	1,61		lb 1,06	
QC FF G 3/4 FEMALE		MPa 35	mm 44	99	-	41	G3/4	kg 0,78	NC06G04S000
		Psi 5075	inch 1,73	3,90	-	1,61		lb 1,72	
QC FF G 1 MALE		MPa 35	mm -	92	29,95	41	G1	kg 0,436	NC05G050001
		Psi 5075	inch -	3,62	1,18	1,61		lb 0,96	
QC FF G 1 FEMALE		MPa 35	mm 44	103	-	41	G1	kg 0,733	NC06G050001
		Psi 5075	inch 1,73	4,06	-	1,61		lb 1,62	
QC FF G 1 MALE	25	MPa 35	mm -	100	36	50	G1	kg 0,58	NC05G05S000
		Psi 5075	inch -	3,94	1,42	1,97		lb 1,28	
QC FF G 1 FEMALE		MPa 35	mm 54,5	100	-	50	G1	kg 1,25	NC06G05S000
		Psi 5075	inch 2,15	3,94	-	1,97		lb 2,76	
QC FF G 1 1/4 MALE		MPa 35	mm -	103	36	50	G1 1/4	kg 0,696	NC05G060001
		Psi 5075	inch -	4,06	1,42	1,97		lb 1,53	
QC FF G 1 1/4 FEMALE		MPa 35	mm 54,5	103	-	50	G1 1/4	kg 1,323	NC06G060001
		Psi 5075	inch 2,15	4,06	-	1,97		lb 2,92	
QC FF G 1 1/2 MALE		MPa 35	mm -	103	36	55	G1 1/2	kg 0,75	NC05G05S001
		Psi 5075	inch -	4,06	1,42	2,17		lb 1,65	
QC FF G 1 1/2 FEMALE		MPa 35	mm 54,5	103	-	55	G1 1/2	kg 1,53	NC06G05S001
		Psi 5075	inch 2,15	4,06	-	2,17		lb 3,37	

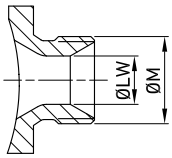
ABOVE ISO 25 G 1.1/2" : ON REQUEST



QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
MALE THREAD ISO 8434-6 BSPP

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	WEIGHT		CS Carbon Steel ITEM CODE
QC FF G 1/4M MALE	6,3	MPa	42	mm	-	53,5	16,15	24	G1/4	4,7	kg	0,29	NC05E010000
		Psi	6090	inch	-	2,11	0,64	0,94		0,19	lb	0,64	
QC FF G 1/4M FEMALE		MPa	42	mm	27	67	-	24	G1/4	4,7	kg	0,351	NC06E010000
		Psi	6090	inch	1,06	2,64	-	0,94		0,19	lb	0,77	
QC FF G 3/8M MALE	10	MPa	42	mm	-	72	19,75	30	G3/8	7,9	kg	0,31	NC05E020000
		Psi	6090	inch	-	2,83	0,78	1,18		0,31	lb	0,68	
QC FF G 3/8M FEMALE		MPa	42	mm	31	81,7	-	30	G3/8	7,9	kg	0,49	NC06E020000
		Psi	6090	inch	1,22	3,22	-	1,18		0,31	lb	1,08	
QC FF G 1/2M MALE		MPa	42	mm	-	74	19,75	30	G1/2	11,1	kg	0,33	NC05E030000
		Psi	6090	inch	-	2,91	0,78	1,18		0,44	lb	0,73	
QC FF G 1/2M FEMALE		MPa	42	mm	31	83,7	-	30	G1/2	11,1	kg	0,45	NC06E030000
		Psi	6090	inch	1,22	3,30	-	1,18		0,44	lb	0,99	
QC FF G 1/2M MALE	12,5	MPa	42	mm	-	77	24,5	34	G1/2	11,1	kg	0,517	NC05E030003
		Psi	6090	inch	-	3,03	0,96	1,34		0,44	lb	1,14	
QC FF G 1/2M FEMALE		MPa	42	mm	38	83	-	34	G1/2	11,1	kg	0,577	NC06E030003
		Psi	6090	inch	1,50	3,27	-	1,34		0,44	lb	1,27	
QC FF G 3/4M MALE		MPa	42	mm	-	79	24,5	34	G3/4	16,7	kg	0,491	NC05E040000
		Psi	6090	inch	-	3,11	0,96	1,34		0,66	lb	1,08	
QC FF G 3/4M FEMALE		MPa	42	mm	38	85	-	34	G3/4	16,7	kg	0,611	NC06E040000
		Psi	6090	inch	1,50	3,35	-	1,34		0,66	lb	1,35	
QC FF G 5/8M MALE	16	MPa	35	mm	-	86	27	41	G5/8	14,3	kg	0,55	NC05EA30000
		Psi	5075	inch	-	3,39	1,06	1,61		0,56	lb	1,21	
QC FF G 5/8M FEMALE		MPa	35	mm	42	94	-	41	G5/8	14,3	kg	0,69	NC06EA30000
		Psi	5075	inch	1,65	3,70	-	1,61		0,56	lb	1,52	
QC FF G 3/4M MALE		MPa	35	mm	-	86	27	41	G3/4	16,7	kg	0,5	NC05E040004
		Psi	5075	inch	-	3,39	1,06	1,61		0,66	lb	1,10	
QC FF G 3/4M FEMALE		MPa	35	mm	42	94	-	41	G3/4	16,7	kg	0,67	NC06E040004
		Psi	5075	inch	1,65	3,70	-	1,61		0,66	lb	1,48	
QC FF G 3/4M MALE	19	MPa	35	mm	-	91	29,95	41	G3/4	16,7	kg	0,68	NC05E040005
		Psi	5075	inch	-	3,58	1,18	1,61		0,66	lb	1,50	
QC FF G 3/4M FEMALE		MPa	35	mm	44	102	-	41	G3/4	16,7	kg	0,98	NC06E040005
		Psi	5075	inch	1,73	4,02	-	1,61		0,66	lb	2,16	
QC FF G 1M MALE		MPa	35	mm	-	94	29,95	41	G1	22,2	kg	0,636	NC05E050000
		Psi	5075	inch	-	3,70	1,18	1,61		0,87	lb	1,40	
QC FF G 1M FEMALE		MPa	35	mm	44	105	-	41	G1	22,2	kg	0,933	NC06E050000
		Psi	5075	inch	1,73	4,13	-	1,61		0,87	lb	2,06	
QC FF G 1M MALE	25	MPa	35	mm	-	106	36	50	G1	22,2	kg	0,78	NC05E050002
		Psi	5075	inch	-	4,17	1,42	1,97		0,87	lb	1,72	
QC FF G 1M FEMALE		MPa	35	mm	54,5	106	-	50	G1	22,2	kg	1,45	NC06E050002
		Psi	5075	inch	2,15	4,17	-	1,97		0,87	lb	3,20	
QC FF G 1 1/4M MALE		MPa	35	mm	-	107	36	50	G1 1/4	28,6	kg	0,896	NC05E060000
		Psi	5075	inch	-	4,21	1,42	1,97		1,13	lb	1,98	
QC FF G 1 1/4M FEMALE		MPa	35	mm	54,5	107	-	50	G1 1/4	28,6	kg	1,523	NC06E060000
		Psi	5075	inch	2,15	4,21	-	1,97		1,13	lb	3,36	
QC FF G 1 1/2M MALE		MPa	35	mm	-	109	36	55	G1 1/2	33,3	kg	0,95	NC05E070000
		Psi	5075	inch	-	4,29	1,42	2,17		1,31	lb	2,09	
QC FF G 1 1/2M FEMALE		MPa	35	mm	54,5	109	-	55	G1 1/2	33,3	kg	1,73	NC06E070000
		Psi	5075	inch	2,15	4,29	-	2,17		1,31	lb	3,81	

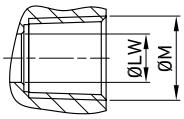
ABOVE ISO 25 G 1.1/2" : ON REQUEST



QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
MALE THREAD ISO 8434-6 BSPP

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	WEIGHT		CS Carbon Steel ITEM CODE
QC FF G 1/4M MALE	6,3	MPa	42	mm	-	53,5	16,15	24	G1/4	4,7	kg	0,29	NC05E010001
		Psi	6090	inch	-	2,11	0,64	0,94		0,19	lb	0,64	
QC FF G 1/4M FEMALE		MPa	42	mm	27	67	-	24	G1/4	4,7	kg	0,351	NC06E010001
		Psi	6090	inch	1,06	2,64	-	0,94		0,19	lb	0,77	
QC FF G 3/8M MALE	10	MPa	42	mm	-	72	19,75	30	G3/8	7,9	kg	0,31	NC05E020001
		Psi	6090	inch	-	2,83	0,78	1,18		0,31	lb	0,68	
QC FF G 3/8M FEMALE		MPa	42	mm	31	81,7	-	30	G3/8	7,9	kg	0,49	NC06E020001
		Psi	6090	inch	1,22	3,22	-	1,18		0,31	lb	1,08	
QC FF G 1/2M MALE		MPa	42	mm	-	74	19,75	30	G1/2	11,1	kg	0,33	NC05E02S000
		Psi	6090	inch	-	2,91	0,78	1,18		0,44	lb	0,73	
QC FF G 1/2M EMALE		MPa	42	mm	31	83,7	-	30	G1/2	11,1	kg	0,45	NC06E02S000
		Psi	6090	inch	1,22	3,30	-	1,18		0,44	lb	0,99	
QC FF G 1/2M MALE	12,5	MPa	42	mm	-	77	24,5	34	G1/2	11,1	kg	0,517	NC05E030002
		Psi	6090	inch	-	3,03	0,96	1,34		0,44	lb	1,14	
QC FF G 1/2M FEMALE		MPa	42	mm	38	83	-	34	G1/2	11,1	kg	0,577	NC06E030002
		Psi	6090	inch	1,50	3,27	-	1,34		0,44	lb	1,27	
QC FF G 3/4M MALE		MPa	42	mm	-	79	24,5	34	G3/4	16,7	kg	0,491	NC05E03S000
		Psi	6090	inch	-	3,11	0,96	1,34		0,66	lb	1,08	
QC FF G 3/4M FEMALE		MPa	42	mm	38	85	-	34	G3/4	16,7	kg	0,611	NC06E03S000
		Psi	6090	inch	1,50	3,35	-	1,34		0,66	lb	1,35	
QC FF G 5/8M MALE	16	MPa	35	mm	-	86	27	41	G5/8	14,3	kg	0,55	NC05EA3S000
		Psi	5075	inch	-	3,39	1,06	1,61		0,56	lb	1,21	
QC FF G 5/8M FEMALE		MPa	35	mm	42	94	-	41	G5/8	14,3	kg	0,69	NC06EA3S000
		Psi	5075	inch	1,65		-	1,61		0,56	lb	1,52	
QC FF G 3/4M MALE		MPa	35	mm	-	86	27	41	G3/4	16,7	kg	0,5	NC05E040002
		Psi	5075	inch	-	3,39	1,06	1,61		0,66	lb	1,10	
QC FF G 3/4M FEMALE		MPa	35	mm	42	94	-	41	G3/4	16,7	kg	0,67	NC06E040002
		Psi	5075	inch	1,65	3,70	-	1,61		0,66	lb	1,48	
QC FF G 3/4M MALE	19	MPa	35	mm	-	91	29,95	41	G3/4	16,7	kg	0,68	NC05E04S000
		Psi	5075	inch	-	3,58	1,18	1,61		0,66	lb	1,50	
QC FF G 3/4M FEMALE		MPa	35	mm	44	102	-	41	G3/4	16,7	kg	0,98	NC06E04S000
		Psi	5075	inch	1,73	4,02	-	1,61		0,66	lb	2,16	
QC FF G 1M MALE		MPa	35	mm	-	94	29,95	41	G1	22,2	kg	0,636	NC05E050001
		Psi	5075	inch	-	3,70	1,18	1,61		0,87	lb	1,40	
QC FF G 1M FEMALE		MPa	35	mm	44	105	-	41	G1	22,2	kg	0,933	NC06E050001
		Psi	5075	inch	1,73	4,13	-	1,61		0,87	lb	2,06	
QC FF G 1M MALE	25	MPa	35	mm	-	106	36	50	G1	22,2	kg	0,78	NC05E05S000
		Psi	5075	inch	-	4,17	1,42	1,97		0,87	lb	1,72	
QC FF G 1M FEMALE		MPa	35	mm	54,5	106	-	50	G1	22,2	kg	1,45	NC06E05S000
		Psi	5075	inch	2,15	4,17	-	1,97		0,87	lb	3,20	
QC FF G 1 1/4M MALE		MPa	35	mm	-	107	36	50	G1 1/4	28,6	kg	0,896	NC05E060001
		Psi	5075	inch	-	4,21	1,42	1,97		1,13	lb	1,98	
QC FF G 1 1/4M FEMALE		MPa	35	mm	54,5	107	-	50	G1 1/4	28,6	kg	1,523	NC06E060001
		Psi	5075	inch	2,15	4,21	-	1,97		1,13	lb	3,36	
QC FF G 1 1/2M MALE		MPa	35	mm	-	109	36	55	G1 1/2	33,3	kg	0,95	NC05E05S001
		Psi	5075	inch	-	4,29	1,42	2,17		1,31	lb	2,09	
QC FF G 1 1/2M FEMALE		MPa	35	mm	54,5	109	-	55	G1 1/2	33,3	kg	1,73	NC06E05S001
		Psi	5075	inch	2,15	4,29	-	2,17		1,31	lb	3,81	

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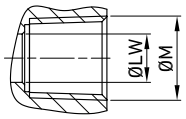
QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
FEMALE THREAD ASME B1.20.1 NPT

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC FF N 1/4 MALE	6.3	MPa	42	mm -	49,5	16,15	24	N1/4	kg 0,09	NC05N010000
		Psi	6090	inch -	1,95	0,64	0,94		lb 0,20	
QC FF N 1/4 FEMALE		MPa	42	mm 27	63	-	24	N1/4	kg 0,151	NC06N010000
		Psi	6090	inch 1,06	2,48	-	0,94		lb 0,33	
QC FF N 3/8 MALE	10	MPa	42	mm -	67,5	19,75	30	N3/8	kg 0,11	NC05N020000
		Psi	6090	inch -	2,66	0,78	1,18		lb 0,24	
QC FF N 3/8 FEMALE		MPa	42	mm 31	77	-	30	N3/8	kg 0,29	NC06N020000
		Psi	6090	inch 1,22	3,03	-	1,18		lb 0,64	
QC FF N 1/2 MALE		MPa	42	mm -	72	19,75	30	N1/2	kg 0,13	NC05N030000
		Psi	6090	inch -	2,83	0,78	1,18		lb 0,29	
QC FF N 1/2 FEMALE		MPa	42	mm 31	82	-	30	N1/2	kg 0,25	NC06N030000
		Psi	6090	inch 1,22	3,23	-	1,18		lb 0,55	
QC FF N 1/2 MALE	12,5	MPa	42	mm -	75	24,5	34	N1/2	kg 0,317	NC05N030003
		Psi	6090	inch -	2,95	0,96	1,34		lb 0,70	
QC FF N 1/2 FEMALE		MPa	42	mm 38	81	-	34	N1/2	kg 0,377	NC06N030003
		Psi	6090	inch 1,50	3,19	-	1,34		lb 0,83	
QC FF N 3/4 MALE		MPa	42	mm -	78	24,5	34	N3/4	kg 0,291	NC05N040000
		Psi	6090	inch -	3,07	0,96	1,34		lb 0,64	
QC FF N 3/4 FEMALE		MPa	42	mm 38	84	-	34	N3/4	kg 0,411	NC06N040000
		Psi	6090	inch 1,50	3,31	-	1,34		lb 0,91	
QC FF N 1/2 MALE	16	MPa	35	mm -	82	27	41	N1/2	kg 0,4	NC05N030004
		Psi	5075	inch -	3,23	1,06	1,61		lb 0,88	
QC FF N 1/2 FEMALE		MPa	35	mm 42	87	41	-	N1/2	kg 0,52	NC06N030004
		Psi	5075	inch 1,65	3,43	1,61	-		lb 1,15	
QC FF N 3/4 MALE		MPa	35	mm -	83,5	27	41	N3/4	kg 0,3	NC05N040004
		Psi	5075	inch -	3,29	1,06	1,61		lb 0,66	
QC FF N 3/4 FEMALE		MPa	35	mm 42	91	-	41	N3/4	kg 0,47	NC06N040004
		Psi	5075	inch 1,65	3,58	-	1,61		lb 1,04	
QC FF N 1 MALE		MPa	35	mm -	87	27	41	N1	kg 0,45	NC05N050003
		Psi	5075	inch -	3,43	1,06	1,61		lb 0,99	
QC FF N 1 FEMALE		MPa	35	mm 42	95	-	41	N1	kg 0,6	NC06N050003
		Psi	5075	inch 1,65	3,74	-	1,61		lb 1,32	

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC FF N 3/4 MALE	19	MPa	35	mm -	88,5	29,95	41	N3/4	kg 0,48	NC05N040005
		Psi	5075	inch -	3,48	1,18	1,61		lb 1,06	
QC FF N 3/4 FEMALE		MPa	35	mm 44	99	-	41	N3/4	kg 0,78	NC06N040005
		Psi	5075	inch 1,73	3,90	-	1,61		lb 1,72	
QC FF N 1 MALE		MPa	35	mm -	92	29,95	41	N1	kg 0,436	NC05N050000
		Psi	5075	inch -	3,62	1,18	1,61		lb 0,96	
QC FF N 1 FEMALE		MPa	35	mm 44	99	-	41	N1	kg 0,733	NC06N050000
		Psi	5075	inch 1,73	3,90	-	1,61		lb 1,62	
QC FF N 1 MALE	25	MPa	35	mm -	100	36	50	N 1	kg 0,58	NC05N050002
		Psi	5075	inch -	3,94	1,42	1,97		lb 1,28	
QC FF N 1 FEMALE		MPa	35	mm 54,5	100	-	50	N 1	kg 1,25	NC06N050002
		Psi	5075	inch 2,15	3,94	-	1,97		lb 2,76	
QC FF N 1.1/4 MALE		MPa	35	mm -	103	36	50	N 1 1/4	kg 0,696	NC05N060000
		Psi	5075	inch -	4,06	1,42	1,97		lb 1,53	
QC FF N 1.1/4 FEMALE		MPa	35	mm 54,5	103	-	50	N 1 1/4	kg 1,323	NC06N060000
		Psi	5075	inch 2,15	4,06	-	1,97		lb 2,92	
QC FF N 1.1/2 MALE		MPa	35	mm -	103	36	55	N 1 1/2	kg 0,75	NC05N070000
		Psi	5075	inch -	4,06	1,42	2,17		lb 1,65	
QC FF N 1.1/2 FEMALE		MPa	35	mm 54,5	103	-	55	N 1 1/2	kg 1,53	NC06N070000
		Psi	5075	inch 2,15	4,06	-	2,17		lb 3,37	

ABOVE ISO 25 G 1.1/2" : ON REQUEST

The company reserves the right to operate dimensional changes without prior notice.

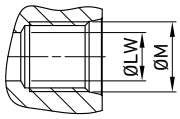


QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
FEMALE THREAD ASME B1.20.1 NPT

TYPE	DN	PN	ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC FF N 1/4 MALE	6.3	MPa 42	mm -	49,5	16,15	24	N1/4	kg 0,09	NC05N01S000
		Psi 6090	inch -	1,95	0,64	0,94		lb 0,20	
QC FF N 1/4 FEMALE		MPa 42	mm 27	63	-	24	N1/4	kg 0,151	NC06N01S000
		Psi 6090	inch 1,06	2,48	-	0,94		lb 0,33	
QC FF N 3/8 MALE	10	MPa 42	mm -	67,5	19,75	30	N3/8	kg 0,11	NC05N02S000
		Psi 6090	inch -	2,66	0,78	1,18		lb 0,24	
QC FF N 3/8 FEMALE		MPa 42	mm 31	77	-	30	N3/8	kg 0,29	NC06N02S000
		Psi 6090	inch 1,22	3,03	-	1,18		lb 0,64	
QC FF N 1/2 MALE		MPa 42	mm -	72	19,75	30	N1/2	kg 0,13	NC05N02S001
		Psi 6090	inch -	2,83	0,78	1,18		lb 0,29	
QC FF N 1/2 FEMALE		MPa 42	mm 31	82	-	30	N1/2	kg 0,25	NC06N02S001
		Psi 6090	inch 1,22	3,23	-	1,18		lb 0,55	
QC FF N 1/2 MALE	12,5	MPa 42	mm -	75	24,5	34	N1/2	kg 0,317	NC05N03S000
		Psi 6090	inch -	2,95	0,96	1,34		lb 0,70	
QC FF N 1/2 FEMALE		MPa 42	mm 38	81	-	34	N1/2	kg 0,377	NC06N03S000
		Psi 6090	inch 1,50	3,19	-	1,34		lb 0,83	
QC FF N 3/4 MALE		MPa 42	mm -	78	24,5	34	N3/4	kg 0,291	NC05N03S001
		Psi 6090	inch -	3,07	0,96	1,34		lb 0,64	
QC FF N 3/4 FEMALE		MPa 42	mm 38	84	-	34	N3/4	kg 0,411	NC06N03S001
		Psi 6090	inch 1,50	3,31	-	1,34		lb 0,91	
QC FF N 1/2 MALE	16	MPa 35	mm -	82	27	41	N1/2	kg 0,4	NC05NA3S000
		Psi 5075	inch -	3,23	1,06	1,61		lb 0,88	
QC FF N 1/2 FEMALE		MPa 35	mm 42	87	41	-	N1/2	kg 0,52	NC06NA3S000
		Psi 5075	inch 1,65	3,43	1,61	-		lb 1,15	
QC FF N 3/4 MALE		MPa 35	mm -	83,5	27	41	N3/4	kg 0,3	NC05NA3S001
		Psi 5075	inch -	3,29	1,06	1,61		lb 0,66	
QC FF N 3/4 FEMALE		MPa 35	mm 42	91	-	41	N3/4	kg 0,47	NC06NA3S001
		Psi 5075	inch 1,65	3,58	-	1,61		lb 1,04	
QC FF N 1 MALE		MPa 35	mm -	87	27	41	N1	kg 0,45	NC05NA3S002
		Psi 5075	inch -	3,43	1,06	1,61		lb 0,99	
QC FF N 1 FEMALE		MPa 35	mm 42	95	-	41	N1	kg 0,6	NC06NA3S002
		Psi 5075	inch 1,65	3,74	-	1,61		lb 1,32	

TYPE	DN	PN	ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC FF N 3/4 MALE	19	MPa 35	mm -	88,5	29,95	41	N3/4	kg 0,48	NC05N04S000
		Psi 5075	inch -	3,48	1,18	1,61		lb 1,06	
QC FF N 3/4 FEMALE		MPa 35	mm 44	99	-	41	N3/4	kg 0,78	NC06N04S000
		Psi 5075	inch 1,73	3,90	-	1,61		lb 1,72	
QC FF N 1 MALE		MPa 35	mm -	92	29,95	41	N1	kg 0,436	NC05N04S001
		Psi 5075	inch -	3,62	1,18	1,61		lb 0,96	
QC FF N 1 FEMALE		MPa 35	mm 44	99	-	41	N1	kg 0,733	NC06N04S001
		Psi 5075	inch 1,73	3,90	-	1,61		lb 1,62	
QC FF N 1 MALE	25	MPa 35	mm -	100	36	50	N 1	kg 0,58	NC05N05S000
		Psi 5075	inch -	3,94	1,42	1,97		lb 1,28	
QC FF N 1 FEMALE		MPa 35	mm 54,5	100	-	50	N 1	kg 1,25	NC06N05S000
		Psi 5075	inch 2,15	3,94	-	1,97		lb 2,76	
QC FF N 1.1/4 MALE		MPa 35	mm -	103	36	50	N 1 1/4	kg 0,696	NC05N05S001
		Psi 5075	inch -	4,06	1,42	1,97		lb 1,53	
QC FF N 1.1/4 FEMALE		MPa 35	mm 54,5	103	-	50	N 1 1/4	kg 1,323	NC06N05S001
		Psi 5075	inch 2,15	4,06	-	1,97		lb 2,92	
QC FF N 1.1/2 MALE		MPa 35	mm -	103	36	55	N 1 1/2	kg 0,75	NC05N05S002
		Psi 5075	inch -	4,06	1,42	2,17		lb 1,65	
QC FF N 1.1/2 FEMALE		MPa 35	mm 54,5	103	-	55	N 1 1/2	kg 1,53	NC06N05S002
		Psi 5075	inch 2,15	4,06	-	2,17		lb 3,37	

ABOVE ISO 25 G 1.1/2" : ON REQUEST

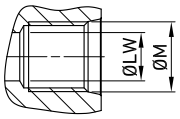


QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
FEMALE THREAD ISO 11926-1 (SAE J1926-1) ORB

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC FF SAE4 MALE	6.3	MPa	42	mm -	48	16,15	24	7/16-	kg 0,09	NC05S010000
		Psi	6090	inch -	1,89	0,64	0,94	20 UNF	lb 0,20	
QC FF SAE4 FEMALE		MPa	42	mm 27	61,5	-	24	7/16-	kg 0,151	NC06S010000
		Psi	6090	inch 1,06	2,42	-	0,94	20 UNF	lb 0,33	
QC FF SAE6 MALE		MPa	42	mm -	49	16,15	24	9/16-	kg 0,22	NC05S010001
		Psi	6090	inch -	1,93	0,64	0,94	18 UNF	lb 0,49	
QC FF SAE6 FEMALE		MPa	42	mm 27	62,5	-	24	9/16-	kg 0,35	NC06S010001
		Psi	6090	inch 1,06	2,46	-	0,94	18 UNF	lb 0,77	
QC FF SAE6 MALE	10	MPa	42	mm -	66,5	19,75	30	9/16-	kg 0,11	NC05S020000
		Psi	6090	inch -	2,62	0,78	1,18	18 UNF	lb 0,24	
QC FF SAE6 FEMALE		MPa	42	mm 31	76	-	30	9/16-	kg 0,29	NC06S020000
		Psi	6090	inch 1,22	2,99	-	1,18	18 UNF	lb 0,64	
QC FF SAE8 MALE		MPa	42	mm -	69,5	19,75	30	3/4-16	kg 0,13	NC05S030000
		Psi	6090	inch -	2,74	0,78	1,18	UNF	lb 0,29	
QC FF SAE8 FEMALE		MPa	42	mm 31	79	-	30	3/4-16	kg 0,25	NC06S030000
		Psi	6090	inch 1,22	3,11	-	1,18	UNF	lb 0,55	
QC FF SAE8 MALE	12,5	MPa	42	mm -	75	24,5	34	3/4-16	kg 0,317	NC05S030003
		Psi	6090	inch -	2,95	0,96	1,34	UNF	lb 0,70	
QC FF SAE8 FEMALE		MPa	42	mm 38	81	-	34	3/4-16	kg 0,377	NC06S030003
		Psi	6090	inch 1,50	3,19	-	1,34	UNF	lb 0,83	
QC FF SAE12 MALE		MPa	42	mm -	80,5	24,5	34	1-1/16-	kg 0,291	NC05S040000
		Psi	6090	inch -	3,17	0,96	1,34	12 UN	lb 0,64	
QC FF SAE12 FEMALE		MPa	42	mm 38	86,5	-	34	1-1/16-	kg 0,411	NC06S040000
		Psi	6090	inch 1,50	3,41	-	1,34	12 UN	lb 0,91	
QC FF SAE8 MALE	16	MPa	35	mm -	80	27	41	3/4-16	kg 0,4	NC05S030004
		Psi	5075	inch -	3,15	1,06	1,61	UNF	lb 0,88	
QC FF SAE8 FEMALE		MPa	35	mm 42	87	-	41	3/4-16	kg 0,52	NC06S030004
		Psi	5075	inch 1,65	3,43	-	1,61	UNF	lb 1,15	
QC FF SAE12 MALE		MPa	35	mm -	85	27	41	1-1/16-	kg 0,3	NC05S040004
		Psi	5075	inch -	3,35	1,06	1,61	12 UN	lb 0,66	
QC FF SAE12 FEMALE		MPa	35	mm 42	93	-	41	1-1/16-	kg 0,47	NC06S040004
		Psi	5075	inch 1,65	3,66	-	1,61	12 UN	lb 1,04	

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC FF SAE12 MALE"	19	MPa	35	mm -	92	29,95	41	1-1/16-	kg 0,48	NC05S040005
		Psi	5075	inch -	3,62	1,18	1,61	12 UN	lb 1,06	
QC FF SAE12 FEMALE		MPa	35	mm 44	103	-	41	1-1/16-	kg 0,78	NC06S040005
		Psi	5075	inch 1,73	4,06	-	1,61	12 UN	lb 1,72	
QC FF SAE16 MALE		MPa	35	mm -	92	29,95	41	1 5/16-	kg 0,7	NC05S050000
		Psi	5075	inch -	3,62	1,18	1,61	12 UN	lb 1,54	
QC FF SAE16 FEMALE		MPa	35	mm 44	103	-	41	1 5/16-	kg 0,85	NC06S050000
		Psi	5075	inch 1,73	4,06	-	1,61	12 UN	lb 1,87	
QC FF SAE16 MALE	25	MPa	35	mm -	100	36	50	1-5/16-	kg 0,58	NC05S050002
		Psi	5075	inch -	3,94	1,42	1,97	12 UN	lb 1,28	
QC FF SAE16 FEMALE		MPa	35	mm 54,5	100	-	50	1-5/16-	kg 1,25	NC06S050002
		Psi	5075	inch 2,15	3,94	-	1,97	12 UN	lb 2,76	
QC FF SAE20 MALE		MPa	35	mm -	103	36	50	1-5/8-	kg 0,696	NC05S060000
		Psi	5075	inch -	4,06	1,42	1,97	12 UN	lb 1,53	
QC FF SAE20 FEMALE		MPa	35	mm 54,5	103	-	50	1-5/8-	kg 1,323	NC06S060000
		Psi	5075	inch 2,15	4,06	-	1,97	12 UN	lb 2,92	

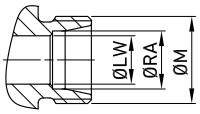
The company reserves the right to operate dimensional changes without prior notice.



QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
FEMALE THREAD ISO 11926-1 (SAE J1926-1) ORB

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC FF SAE4 MALE	6.3	MPa	42	mm -	48	16,15	24	7/16-	kg 0,09	NC05S01S000
		Psi	6090	inch -	1,89	0,64	0,94	20 UNF	lb 0,20	
QC FF SAE4 FEMALE		MPa	42	mm 27	61,5	-	24	7/16-	kg 0,151	NC06S01S000
		Psi	6090	inch 1,06	2,42	-	0,94	20 UNF	lb 0,33	
QC FF SAE6 MALE		MPa	42	mm -	49	16,15	24	9/16-	kg 0,22	NC05S01S001
		Psi	6090	inch -	1,93	0,64	0,94	18 UNF	lb 0,49	
QC FF SAE6 FEMALE		MPa	42	mm 27	62,5	-	24	9/16-	kg 0,35	NC06S01S001
		Psi	6090	inch 1,06	2,46	-	0,94	18 UNF	lb 0,77	
QC FF SAE6 MALE	10	MPa	42	mm -	66,5	19,75	30	9/16-	kg 0,11	NC05S02S000
		Psi	6090	inch -	2,62	0,78	1,18	18 UNF	lb 0,24	
QC FF SAE6 FEMALE		MPa	42	mm 31	76	-	30	9/16-	kg 0,29	NC06S02S000
		Psi	6090	inch 1,22	2,99	-	1,18	18 UNF	lb 0,64	
QC FF SAE8 MALE		MPa	42	mm -	69,5	19,75	30	3/4-16	kg 0,13	NC05S02S001
		Psi	6090	inch -	2,74	0,78	1,18	UNF	lb 0,29	
QC FF SAE8 FEMALE		MPa	42	mm 31	79	-	30	3/4-16	kg 0,25	NC06S02S001
		Psi	6090	inch 1,22	3,11	-	1,18	UNF	lb 0,55	
QC FF SAE8 MALE	12,5	MPa	42	mm -	75	24,5	34	3/4-16	kg 0,317	NC05S03S000
		Psi	6090	inch -	2,95	0,96	1,34	UNF	lb 0,70	
QC FF SAE8 FEMALE		MPa	42	mm 38	81	-	34	3/4-16	kg 0,377	NC06S03S000
		Psi	6090	inch 1,50	3,19	-	1,34	UNF	lb 0,83	
QC FF SAE12 MALE		MPa	42	mm -	80,5	24,5	34	1-1/16-	kg 0,291	NC05S03S001
		Psi	6090	inch -	3,17	0,96	1,34	12 UN	lb 0,64	
QC FF SAE12 FEMALE		MPa	42	mm 38	86,5	-	34	1-1/16-	kg 0,411	NC06S03S001
		Psi	6090	inch 1,50	3,41	-	1,34	12 UN	lb 0,91	
QC FF SAE8 MALE	16	MPa	35	mm -	80	27	41	3/4-16	kg 0,4	NC05SA3S000
		Psi	5075	inch -	3,15	1,06	1,61	UNF	lb 0,88	
QC FF SAE8 FEMALE		MPa	35	mm 42	87	-	41	3/4-16	kg 0,52	NC06SA3S000
		Psi	5075	inch 1,65	3,43	-	1,61	UNF	lb 1,15	
QC FF SAE12 MALE		MPa	35	mm -	85	27	41	1-1/16-	kg 0,3	NC05SA3S001
		Psi	5075	inch -	3,35	1,06	1,61	12 UN	lb 0,66	
QC FF SAE12 FEMALE		MPa	35	mm 42	93	-	41	1-1/16-	kg 0,47	NC06SA3S001
		Psi	5075	inch 1,65	3,66	-	1,61	12 UN	lb 1,04	

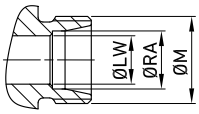
TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC FF SAE12 MALE	19	MPa	35	mm -	92	29,95	41	1-1/16-	kg 0,48	NC05S04S000
		Psi	5075	inch -	3,62	1,18	1,61	12 UN	lb 1,06	
QC FF SAE12 FEMALE		MPa	35	mm 44	103	-	41	1-1/16-	kg 0,78	NC06S04S000
		Psi	5075	inch 1,73	4,06	-	1,61	12 UN	lb 1,72	
QC FF SAE16 MALE		MPa	35	mm -	92	29,95	41	1 5/16	kg 0,7	NC05S05S002
		Psi	5075	inch -	3,62	1,18	1,61	-12 UN	lb 1,54	
QC FF SAE16 FEMALE		MPa	35	mm 44	103	-	41	1 5/16	kg 0,85	NC06S05S002
		Psi	5075	inch 1,73	4,06	-	1,61	-12 UN	lb 1,87	
QC FF SAE16 MALE	25	MPa	35	mm -	100	36	50	1-5/16-	kg 0,58	NC05S05S000
		Psi	5075	inch -	3,94	1,42	1,97	12 UN	lb 1,28	
QC FF SAE16 FEMALE		MPa	35	mm 54,5	100	-	50	1-5/16-	kg 1,25	NC06S05S000
		Psi	5075	inch 2,15	3,94	-	1,97	12 UN	lb 2,76	
QC FF SAE20 MALE		MPa	35	mm -	103	36	50	1-5/8-	kg 0,696	NC05S05S001
		Psi	5075	inch -	4,06	1,42	1,97	12 UN	lb 1,53	
QC FF SAE20 FEMALE		MPa	35	mm 54,5	103	-	50	1-5/8-	kg 1,323	NC06S05S001
		Psi	5075	inch 2,15	4,06	-	1,97	12 UN	lb 2,92	



QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
MALE THREAD METRIC ISO 8434-1-S (DIN 2353)

														CS Carbon Steel
TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC FF 8S MALE	6,3	MPa	42	mm	-	54,5	16,15	24	M16X1,5	5	8	kg	0,232	NC05H010000
		Psi	6090	inch	-	2,15	0,64	0,94		0,20	0,31	lb	0,51	
QC FF 8S FEMALE		MPa	42	mm	27	68	-	24	M16X1,5	5	8	kg	0,338	NC06H010000
		Psi	6090	inch	1,06	2,68	-	0,94		0,20	0,31	lb	0,75	
QC FF 12S MALE	10	MPa	42	mm	-	72	19,75	30	M20X1,5	8	12	kg	0,208	NC05H020000
		Psi	6090	inch	-	2,83	0,78	1,18		0,31	0,47	lb	0,46	
QC FF 12S FEMALE		MPa	42	mm	31	81,5	-	30	M20X1,5	8	12	kg	0,695	NC06H020000
		Psi	6090	inch	1,22	3,21	-	1,18		0,31	0,47	lb	1,53	
QC FF 16S MALE	16	MPa	35	mm	-	84	27	41	M24X1,5	12	16	kg	0,397	NC05HA30000
		Psi	5075	inch	-	3,31	1,06	1,61		0,47	0,63	lb	0,88	
QC FF 16S FEMALE		MPa	35	mm	42	92	-	41	M24X1,5	12	16	kg	0,72	NC06HA30000
		Psi	5075	inch	1,65	3,62	-	1,61		0,47	0,63	lb	1,59	
QC FF 25S MALE	25	MPa	35	mm	-	105	36	50	M36X2	20	25	kg	0,81	NC05H050000
		Psi	5075	inch	-	4,13	1,42	1,97		0,79	0,98	lb	1,79	
QC FF 25S FEMALE		MPa	35	mm	54,5	105	-	50	M36X2	20	25	kg	1,16	NC06H050000
		Psi	5075	inch	2,15	4,13	-	1,97		0,79	0,98	lb	2,56	

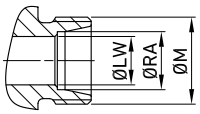
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QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
MALE THREAD METRIC ISO 8434-1-S (DIN 2353)

SS Stainless Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC FF 8S MALE	6,3	MPa	42	mm		54,5	16,15	24	M16X1,5	5	8	kg	0,232	NC05H01S000
		Psi	6090	inch	0,00	2,15	0,64	0,94		0,20	0,31	lb	0,51	
QC FF 8S FEMALE		MPa	42	mm	27	68		24	M16X1,5	5	8	kg	0,338	NC06H01S000
		Psi	6090	inch	1,06	2,68	0,00	0,94		0,20	0,31	lb	0,75	
QC FF 12S MALE	10	MPa	42	mm		72	19,75	30	M20X1,5	8	12	kg	0,208	NC05H02S000
		Psi	6090	inch	0,00	2,83	0,78	1,18		0,31	0,47	lb	0,46	
QC FF 12S FEMALE		MPa	42	mm	31	81,5		30	M20X1,5	8	12	kg	0,695	NC06H02S000
		Psi	6090	inch	1,22	3,21	0,00	1,18		0,31	0,47	lb	1,53	
QC FF 16S MALE	16	MPa	35	mm		84	27	41	M24X1,5	12	16	kg	0,397	NC05HA3S000
		Psi	5075	inch	0,00	3,31	1,06	1,61		0,47	0,63	lb	0,88	
QC FF 16S FEMALE		MPa	35	mm	42	92		41	M24X1,5	12	16	kg	0,72	NC06HA3S000
		Psi	5075	inch	1,65	3,62	0,00	1,61		0,47	0,63	lb	1,59	
QC FF 25S MALE	25	MPa	35	mm		105	36	50	M36X2	20	25	kg	0,81	NC05H05S000
		Psi	5075	inch	0,00	4,13	1,42	1,97		0,79	0,98	lb	1,79	
QC FF 25S FEMALE		MPa	35	mm	54,5	105		50	M36X2	20	25	kg	1,16	NC06H05S000
		Psi	5075	inch	2,15	4,13	0,00	1,97		0,79	0,98	lb	2,56	

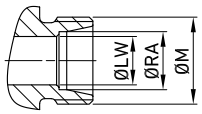


QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353)

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC FF 8L MALE	6.3	MPa	42	mm	-	52,5	16,15	24	M14x1,5	6	8	kg	0,153	NC05L010000
		Psi	6090	inch	-	2,07	0,64	0,94		0,24	0,31	lb	0,34	
QC FF 8L FEMALE		MPa	42	mm	27	66	-	24	M14x1,5	6	8	kg	0,246	NC06L010000
		Psi	6090	inch	1,06	2,60	-	0,94		0,24	0,31	lb	0,54	
QC FF 10L MALE		MPa	42	mm	-	53,5	16,15	24	M16x1,5	8	10	kg	0,154	NC05L010001
		Psi	6090	inch	-	2,11	0,64	0,94		0,31	0,39	lb	0,34	
QC FF 10L FEMALE		MPa	42	mm	27	67	-	24	M16x1,5	8	10	kg	0,227	NC06L010001
		Psi	6090	inch	1,06	2,64	-	0,94		0,31	0,39	lb	0,50	
QC FF 10L MALE	10	MPa	42	mm	-	71	19,75	30	M16x1,5	8	10	kg	0,18	NC05L020001
		Psi	6090	inch	-	2,80	0,78	1,18		0,31	0,39	lb	0,40	
QC FF 10L FEMALE		MPa	42	mm	31	80,5	-	30	M16x1,5	8	10	kg	0,473	NC06L020001
		Psi	6090	inch	1,22	3,17	-	1,18		0,31	0,39	lb	1,04	
QC FF 12L MALE		MPa	42	mm	-	71	19,75	30	M18X1,5	10	12	kg	0,18	NC05L020002
		Psi	6090	inch	-	2,80	0,78	1,18		0,39	0,47	lb	0,40	
QC FF 12L FEMALE		MPa	42	mm	31	80,5	-	30	M18X1,5	10	12	kg	0,469	NC06L020002
		Psi	6090	inch	1,22	3,17	-	1,18		0,39	0,47	lb	1,03	
QC FF 15L MALE		MPa	42	mm	-	72	19,75	30	M22X1,5	12	15	kg	0,184	NC05L020003
		Psi	6090	inch	-	2,84	0,78	1,18		0,47	0,59	lb	0,41	
QC FF 15L FEMALE		MPa	42	mm	31	81,5	-	30	M22X1,5	12	15	kg	0,477	NC06L020003
		Psi	6090	inch	1,22	3,21	-	1,18		0,47	0,59	lb	1,05	
QC FF 12L MALE	12,5	MPa	42	mm	-	74	24,5	34	M18X1,5	10	12	kg	0,376	NC05L030000
		Psi	6090	inch	-	2,91	0,96	1,34		0,39	0,47	lb	0,83	
QC FF 12L FEMALE		MPa	42	mm	38	80	-	34	M18X1,5	10	12	kg	0,658	NC06L030000
		Psi	6090	inch	1,50	3,15	-	1,34		0,39	0,47	lb	1,45	
QC FF 15L MALE		MPa	42	mm	-	75	24,5	34	M22X1,5	12	15	kg	0,384	NC05L030001
		Psi	6090	inch	-	2,95	0,96	1,34		0,47	0,59	lb	0,85	
QC FF 15L FEMALE		MPa	42	mm	38	81	-	34	M22X1,5	12	15	kg	0,665	NC06L030001
		Psi	6090	inch	1,50	3,19	-	1,34		0,47	0,59	lb	1,47	
QC FF 18L MALE		MPa	42	mm	-	75	24,5	34	M26X1,5	15	18	kg	0,396	NC05L030002
		Psi	6090	inch	-	2,95	0,96	1,34		0,59	0,71	lb	0,87	
QC FF 18L FEMALE		MPa	42	mm	38	81	-	34	M26X1,5	15	18	kg	0,673	NC06L030002
		Psi	6090	inch	1,50	3,19	-	1,34		0,59	0,71	lb	1,48	
QC FF 18L MALE	16	MPa	35	mm	-	82	27	41	M26X1,5	15	18	kg	0,342	NC05LA30000
		Psi	5075	inch	-	3,23	1,06	1,61		0,59	0,71	lb	0,75	
QC FF 18L FEMALE		MPa	35	mm	42	90	-	41	M26X1,5	15	18	kg	0,649	NC06LA30000
		Psi	5075	inch	1,65	3,54	-	1,61		0,59	0,71	lb	1,43	
QC FF 22L MALE		MPa	35	mm	-	84	27	41	M30X2	19	22	kg	0,339	NC05LA30001
		Psi	5075	inch	-	3,31	1,06	1,61		0,75	0,87	lb	0,75	
QC FF 22L FEMALE		MPa	35	mm	42	92	-	41	M30X2	19	22	kg	0,636	NC06LA30001
		Psi	5075	inch	1,65	3,62	-	1,61		0,75	0,87	lb	1,40	
QC FF 18L MALE	19	MPa	35	mm	-	87	29,95	41	M26X1,5	15	18	kg	0,474	NC05L040000
		Psi	5075	inch	-	3,43	1,18	1,61		0,59	0,71	lb	1,04	
QC FF 18L FEMALE		MPa	35	mm	44	98	-	41	M26X1,5	15	18	kg	0,89	NC06L040000
		Psi	5075	inch	1,73	3,86	-	1,61		0,59	0,71	lb	1,96	
QC FF 22L MALE		MPa	35	mm	-	89	29,95	41	M30X2	19	22	kg	0,461	NC05L040001
		Psi	5075	inch	-	3,50	1,18	1,61		0,75	0,87	lb	1,02	
QC FF 22L FEMALE		MPa	35	mm	44	100	-	41	M30X2	19	22	kg	0,882	NC06L040001
		Psi	5075	inch	1,73	3,94	-	1,61		0,75	0,87	lb	1,94	

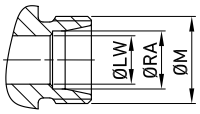
The company reserves the right to operate dimensional changes without prior notice.



QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353)

SS Stainless Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC FF 8L MALE	6.3	MPa	42	mm	-	52,5	16,15	24	M14x1,5	6	8	kg	0,153	NC05L01S000
		Psi	6090	inch	-	2,07	0,64	0,94		0,24	0,31	lb	0,34	
QC FF 8L FEMALE		MPa	42	mm	27	66	-	24	M14x1,5	6	8	kg	0,246	NC06L01S000
		Psi	6090	inch	1,06	2,60	-	0,94		0,24	0,31	lb	0,54	
QC FF 10L MALE		MPa	42	mm	-	53,5	16,15	24	M16x1,5	8	10	kg	0,154	NC05L01S001
		Psi	6090	inch	-	2,11	0,64	0,94		0,31	0,39	lb	0,34	
QC FF 10L FEMALE		MPa	42	mm	27	67	-	24	M16x1,5	8	10	kg	0,227	NC06L01S001
		Psi	6090	inch	1,06	2,64	-	0,94		0,31	0,39	lb	0,50	
QC FF 10L MALE	10	MPa	42	mm	-	71	19,75	30	M16x1,5	8	10	kg	0,18	NC05L02S001
		Psi	6090	inch	-	2,80	0,78	1,18		0,31	0,39	lb	0,40	
QC FF 10L FEMALE		MPa	42	mm	31	80,5	-	30	M16x1,5	8	10	kg	0,473	NC06L02S001
		Psi	6090	inch	1,22	3,17	-	1,18		0,31	0,39	lb	1,04	
QC FF 12L MALE		MPa	42	mm	-	71	19,75	30	M18X1,5	10	12	kg	0,18	NC05L02S002
		Psi	6090	inch	-	2,80	0,78	1,18		0,39	0,47	lb	0,40	
QC FF 12L FEMALE		MPa	42	mm	31	80,5	-	30	M18X1,5	10	12	kg	0,469	NC06L02S002
		Psi	6090	inch	1,22	3,17	-	1,18		0,39	0,47	lb	1,03	
QC FF 15L MALE		MPa	42	mm	-	72	19,75	30	M22X1,5	12	15	kg	0,184	NC05L02S003
		Psi	6090	inch	-	2,84	0,78	1,18		0,47	0,59	lb	0,41	
QC FF 15L FEMALE		MPa	42	mm	31	81,5	-	30	M22X1,5	12	15	kg	0,477	NC06L02S003
		Psi	6090	inch	1,22	3,21	-	1,18		0,47	0,59	lb	1,05	
QC FF 12L MALE	12,5	MPa	42	mm	-	74	24,5	34	M18X1,5	10	12	kg	0,376	NC05L03S000
		Psi	6090	inch	-	2,91	0,96	1,34		0,39	0,47	lb	0,83	
QC FF 12L FEMALE		MPa	42	mm	38	80	-	34	M18X1,5	10	12	kg	0,658	NC06L03S000
		Psi	6090	inch	1,50	3,15	-	1,34		0,39	0,47	lb	1,45	
QC FF 15L MALE		MPa	42	mm	-	75	24,5	34	M22X1,5	12	15	kg	0,384	NC05L03S001
		Psi	6090	inch	-	2,95	0,96	1,34		0,47	0,59	lb	0,85	
QC FF 15L FEMALE		MPa	42	mm	38	81	-	34	M22X1,5	12	15	kg	0,665	NC06L03S001
		Psi	6090	inch	1,50	3,19	-	1,34		0,47	0,59	lb	1,47	
QC FF 18L MALE		MPa	42	mm	-	75	24,5	34	M26X1,5	15	18	kg	0,396	NC05L03S002
		Psi	6090	inch	-	2,95	0,96	1,34		0,59	0,71	lb	0,87	
QC FF 18L FEMALE		MPa	42	mm	38	81	-	34	M26X1,5	15	18	kg	0,673	NC06L03S002
		Psi	6090	inch	1,50	3,19	-	1,34		0,59	0,71	lb	1,48	
QC FF 18L MALE	16	MPa	35	mm	-	82	27	41	M26X1,5	15	18	kg	0,342	NC05LA3S000
		Psi	5075	inch	-	3,23	1,06	1,61		0,59	0,71	lb	0,75	
QC FF 18L FEMALE		MPa	35	mm	42	90	-	41	M26X1,5	15	18	kg	0,649	NC06LA3S000
		Psi	5075	inch	1,65	3,54	-	1,61		0,59	0,71	lb	1,43	
QC FF 22L MALE		MPa	35	mm	-	84	27	41	M30X2	19	22	kg	0,339	NC05LA3S001
		Psi	5075	inch	-	3,31	1,06	1,61		0,75	0,87	lb	0,75	
QC FF 22L FEMALE		MPa	35	mm	42	92	-	41	M30X2	19	22	kg	0,636	NC06LA3S001
		Psi	5075	inch	1,65	3,62	-	1,61		0,75	0,87	lb	1,40	
QC FF 18L MALE	19	MPa	35	mm	-	87	29,95	41	M26X1,5	15	18	kg	0,474	NC05L04S000
		Psi	5075	inch	-	3,43	1,18	1,61		0,59	0,71	lb	1,04	
QC FF 18L FEMALE		MPa	35	mm	44	98	-	41	M26X1,5	15	18	kg	0,89	NC06L04S000
		Psi	5075	inch	1,73	3,86	-	1,61		0,59	0,71	lb	1,96	
QC FF 22L MALE		MPa	35	mm	-	89	29,95	41	M30X2	19	22	kg	0,461	NC05L04S001
		Psi	5075	inch	-	3,50	1,18	1,61		0,75	0,87	lb	1,02	
QC FF 22L FEMALE		MPa	35	mm	44	100	-	41	M30X2	19	22	kg	0,882	NC06L04S001
		Psi	5075	inch	1,73	3,94	-	1,61		0,75	0,87	lb	1,94	

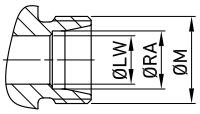


QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
MALE THREAD METRIC ISO 8434-1-S (DIN 2353) BULKHEAD

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC FF 8S BK MALE	6,3	MPa	42	mm	-	69,5	16,15	24	M16X1,5	5	8	kg	0,254	NC05I010000
		Psi	6090	inch	-	2,74	0,64	0,94		0,20	0,31	lb	0,56	
QC FF 8S BK FEMALE		MPa	42	mm	27	83	-	24	M16X1,5	5	8	kg	0,359	NC06I010000
		Psi	6090	inch	1,06	3,27	-	0,94		0,20	0,31	lb	0,79	
QC FF 12S BK MALE	10	MPa	42	mm	-	87	19,75	30	M20X1,5	8	12	kg	0,24	NC05I020000
		Psi	6090	inch	-	3,43	0,78	1,18		0,31	0,47	lb	0,53	
QC FF 12S BK FEMALE		MPa	42	mm	31	96,5	-	30	M20X1,5	8	12	kg	0,726	NC06I020000
		Psi	6090	inch	1,22	3,80	-	1,18		0,31	0,47	lb	1,60	
QC FF 16S BK MALE	12,5	MPa	42	mm	-	92	24,5	34	M24X1,5	12	16	kg	0,546	NC05I030000
		Psi	6090	inch	-	3,62	0,96	1,34		0,47	0,63	lb	1,20	
QC FF 16S BK FEMALE		MPa	42	mm	38	98	-	34	M24X1,5	12	16	kg	0,95	NC06I030000
		Psi	6090	inch	1,50	3,86	-	1,34		0,47	0,63	lb	2,09	
QC FF 16S BK MALE	16	MPa	35	mm	-	99	27	41	M24X1,5	12	16	kg	0,437	NC05IA30000
		Psi	5075	inch	-	3,90	1,06	1,61		0,47	0,63	lb	0,96	
QC FF 16S BK FEMALE		MPa	35	mm	42	107	-	41	M24X1,5	12	16	kg	0,76	NC06IA30000
		Psi	5075	inch	1,65	4,21	-	1,61		0,47	0,63	lb	1,68	
QC FF 20S BK MALE	19	MPa	35	mm	-	113	29,95	41	M30X2	16	20	kg	0,546	NC05I040000
		Psi	5075	inch	-	4,45	1,18	1,61		0,63	0,79	lb	1,20	
QC FF 20S BK FEMALE		MPa	35	mm	44	124	-	41	M30X2	16	20	kg	0,957	NC06I040000
		Psi	5075	inch	1,73	4,88	-	1,61		0,63	0,79	lb	2,11	
QC FF 25S BK MALE		MPa	35	mm	-	117	29,95	41	M36X2	20	25	kg	0,615	NC05I040001
		Psi	5075	inch	-	4,61	1,18	1,61		0,79	0,98	lb	1,36	
QC FF 25S BK FEMALE		MPa	35	mm	44	128	-	41	M36X2	20	25	kg	1,027	NC06I040001
		Psi	5075	inch	1,73	5,04	-	1,61		0,79	0,98	lb	2,26	
QC FFE 25S BK MALE	25	MPa	35	mm	-	128	36	50	M36X2	20	25	kg	0,937	NC05I050000
		Psi	5075	inch	-	5,04	1,42	1,97		0,79	0,98	lb	2,07	
QC FF 25S BK FEMALE		MPa	35	mm	54,5	128	-	50	M36X2	20	25	kg	1,28	NC06I050000
		Psi	5075	inch	2,15	5,04	-	1,97		0,79	0,98	lb	2,82	

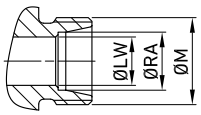
The company reserves the right to operate dimensional changes without prior notice.



QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
MALE THREAD METRIC ISO 8434-1-S (DIN 2353) BULKHEAD

SS Stainless Steel

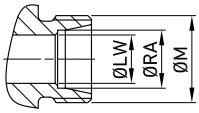
TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC FF 8S BK MALE	6,3	MPa	42	mm	-	69,5	16,15	24	M16X1,5	5	8	kg	0,254	NC05I01S000
		Psi	6090	inch	-	2,74	0,64	0,94		0,20	0,31	lb	0,56	
QC FF 8S BK FEMALE		MPa	42	mm	27	83	-	24	M16X1,5	5	8	kg	0,359	NC06I01S000
		Psi	6090	inch	1,06	3,27	-	0,94		0,20	0,31	lb	0,79	
QC FF 12S BK MALE	10	MPa	42	mm	-	87	19,75	30	M20X1,5	8	12	kg	0,24	NC05I02S000
		Psi	6090	inch	-	3,43	0,78	1,18		0,31	0,47	lb	0,53	
QC FF 12S BK FEMALE		MPa	42	mm	31	96,5	-	30	M20X1,5	8	12	kg	0,726	NC06I02S000
		Psi	6090	inch	1,22	3,80	-	1,18		0,31	0,47	lb	1,60	
QC FF 16S BK MALE	12,5	MPa	42	mm	-	92	24,5	34	M24X1,5	12	16	kg	0,546	NC05I03S000
		Psi	6090	inch	-	3,62	0,96	1,34		0,47	0,63	lb	1,20	
QC FF 16S BK FEMALE		MPa	42	mm	38	98	-	34	M24X1,5	12	16	kg	0,95	NC06I03S000
		Psi	6090	inch	1,50	3,86	-	1,34		0,47	0,63	lb	2,09	
QC FF 16S BK MALE	16	MPa	35	mm	-	99	27	41	M24X1,5	12	16	kg	0,437	NC05IA3S000
		Psi	5075	inch	-	3,90	1,06	1,61		0,47	0,63	lb	0,96	
QC FF 16S BK FEMALE		MPa	35	mm	42	107	-	41	M24X1,5	12	16	kg	0,76	NC06IA3S000
		Psi	5075	inch	1,65	4,21	-	1,61		0,47	0,63	lb	1,68	
QC FF 20S BK MALE	19	MPa	35	mm	-	113	29,95	41	M30X2	16	20	kg	0,546	NC05I04S000
		Psi	5075	inch	-	4,45	1,18	1,61		0,63	0,79	lb	1,20	
QC FF 20S BK FEMALE		MPa	35	mm	44	124	-	41	M30X2	16	20	kg	0,957	NC06I04S000
		Psi	5075	inch	1,73	4,88	-	1,61		0,63	0,79	lb	2,11	
QC FF 25S BK MALE		MPa	35	mm	-	117	29,95	41	M36X2	20	25	kg	0,615	NC05I04S001
		Psi	5075	inch	-	4,61	1,18	1,61		0,79	0,98	lb	1,36	
QC FF 25S BK FEMALE		MPa	35	mm	44	128	-	41	M36X2	20	25	kg	1,027	NC06I04S001
		Psi	5075	inch	1,73	5,04	-	1,61		0,79	0,98	lb	2,26	
QC FFE 25S BK MALE	25	MPa	35	mm	-	128	36	50	M36X2	20	25	kg	0,937	NC05I05S000
		Psi	5075	inch	-	5,04	1,42	1,97		0,79	0,98	lb	2,07	
QC FF 25S BK FEMALE		MPa	35	mm	54,5	128	-	50	M36X2	20	25	kg	1,28	NC06I05S000
		Psi	5075	inch	2,15	5,04	-	1,97		0,79	0,98	lb	2,82	



QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353) BULKHEAD

CS Carbon Steel

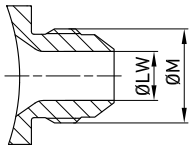
TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC FF 8L BK MALE	6,3	MPa	42	mm	-	67,5	16,15	24	M14x1,5	6	8	kg	0,17	NC05M010000
		Psi	6090	inch	-	2,66	0,64	0,94		0,24	0,31	lb	0,37	
QC FF 8L BK FEMALE		MPa	42	mm	27	81	-	24	M14x1,5	6	8	kg	0,258	NC06M010000
		Psi	6090	inch	1,06	3,19	-	0,94		0,24	0,31	lb	0,57	
QC FF 10L BK MALE		MPa	42	mm	-	68,5	16,15	24	M16x1,5	8	10	kg	0,173	NC05M010001
		Psi	6090	inch	-	2,70	0,64	0,94		0,31	0,39	lb	0,38	
QC FF 10L BK FEMALE		MPa	42	mm	27	82	-	24	M16x1,5	8	10	kg	0,261	NC06M010001
		Psi	6090	inch	1,06	3,23	-	0,94		0,31	0,39	lb	0,58	
QC FF 10L BK MALE	10	MPa	42	mm	-	86	19,75	30	M16x1,5	8	10	kg	0,194	NC05M020000
		Psi	6090	inch	-	3,39	0,78	1,18		0,31	0,39	lb	0,43	
QC FF 10L BK FEMALE		MPa	42	mm	31	95,5	-	30	M16x1,5	8	10	kg	0,492	NC06M020000
		Psi	6090	inch	1,22	3,76	-	1,18		0,31	0,39	lb	1,08	
QC FF 12L BK MALE		MPa	42	mm	-	87	19,75	30	M18X1,5	10	12	kg	0,196	NC05M020001
		Psi	6090	inch	-	3,43	0,78	1,18		0,39	0,47	lb	0,43	
QC FF 12L BK FEMALE		MPa	42	mm	31	96,5	-	30	M18X1,5	10	12	kg	0,49	NC06M020001
		Psi	6090	inch	1,22	3,80	-	1,18		0,39	0,47	lb	1,08	
QC FF 15L BK MALE		MPa	42	mm	-	87	19,75	30	M22X1,5	12	15	kg	0,214	NC05M020002
		Psi	6090	inch	-	3,43	0,78	1,18		0,47	0,59	lb	0,47	
QC FF 15L BK FEMALE		MPa	42	mm	31	96,5	-	30	M22X1,5	12	15	kg	0,503	NC06M020002
		Psi	6090	inch	1,22	3,80	-	1,18		0,47	0,59	lb	1,11	
QC FF 12L BK MALE	12,5	MPa	42	mm	-	90	24,5	34	M18X1,5	10	12	kg	0,397	NC05M030000
		Psi	6090	inch	-	3,54	0,96	1,34		0,39	0,47	lb	0,88	
QC FF 12L BK FEMALE		MPa	42	mm	38	96	-	34	M18X1,5	10	12	kg	0,679	NC06M030000
		Psi	6090	inch	1,50	3,78	-	1,34		0,39	0,47	lb	1,50	
QC FF 15L BK MALE		MPa	42	mm	-	90	24,5	34	M22X1,5	12	15	kg	0,409	NC05M030001
		Psi	6090	inch	-	3,54	0,96	1,34		0,47	0,59	lb	0,90	
QC FF 15L BK FEMALE		MPa	42	mm	38	96	-	34	M22X1,5	12	15	kg	0,691	NC06M030001
		Psi	6090	inch	1,50	3,78	-	1,34		0,47	0,59	lb	1,52	
QC FF 18L BK MALE	16	MPa	35	mm	-	97	27	41	M26X1,5	15	18	kg	0,383	NC05MA30000
		Psi	5075	inch	-	3,82	1,06	1,61		0,59	0,71	lb	0,84	
QC FF 18L BK FEMALE		MPa	35	mm	42	105	-	41	M26X1,5	15	18	kg	0,69	NC06MA30000
		Psi	5075	inch	1,65	4,13	-	1,61		0,59	0,71	lb	1,52	
QC FF 18L BK MALE	19	MPa	35	mm	-	102	29,95	41	M26X1,5	15	18	kg	0,509	NC05M040000
		Psi	5075	inch	-	4,02	1,18	1,61		0,59	0,71	lb	1,12	
QC FF 18L BK FEMALE		MPa	35	mm	44	113	-	41	M26X1,5	15	18	kg	0,935	NC06M040000
		Psi	5075	inch	1,73	4,45	-	1,61		0,59	0,71	lb	2,06	
QC FF 22L BK MALE		MPa	35	mm	-	109	29,95	41	M30X2	19	22	kg	0,529	NC05M040001
		Psi	5075	inch	-	4,29	1,18	1,61		0,75	0,87	lb	1,17	
QC FF 22L BK FEMALE		MPa	35	mm	44	120	-	41	M30X2	19	22	kg	0,945	NC06M040001
		Psi	5075	inch	1,73	4,72	-	1,61		0,75	0,87	lb	2,08	



QUICK COUPLINGS ISO 16028 FLAT FACE (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353) BULKHEAD

SS Stainless Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC FF 8L BK MALE	6,3	MPa	42	mm	-	67,5	16,15	24	M14x1,5	6	8	kg	0,17	NC05M01S000
		Psi	6090	inch	-	2,66	0,64	0,94		0,24	0,31	lb	0,37	
QC FF 8L BK FEMALE		MPa	42	mm	27	81	-	24	M14x1,5	6	8	kg	0,258	NC06M01S000
		Psi	6090	inch	1,06	3,19	-	0,94		0,24	0,31	lb	0,57	
QC FF 10L BK MALE		MPa	42	mm	-	68,5	16,15	24	M16x1,5	8	10	kg	0,173	NC05M01S001
		Psi	6090	inch	-	2,70	0,64	0,94		0,31	0,39	lb	0,38	
QC FF 10L BK FEMALE		MPa	42	mm	27	82	-	24	M16x1,5	8	10	kg	0,261	NC06M01S001
		Psi	6090	inch	1,06	3,23	-	0,94		0,31	0,39	lb	0,58	
QC FF 10L BK MALE	10	MPa	42	mm	-	86	19,75	30	M16x1,5	8	10	kg	0,194	NC05M02S000
		Psi	6090	inch	-	3,39	0,78	1,18		0,31	0,39	lb	0,43	
QC FF 10L BK FEMALE		MPa	42	mm	31	95,5	-	30	M16x1,5	8	10	kg	0,492	NC06M02S000
		Psi	6090	inch	1,22	3,76	-	1,18		0,31	0,39	lb	1,08	
QC FF 12L BK MALE		MPa	42	mm	-	87	19,75	30	M18X1,5	10	12	kg	0,196	NC05M02S001
		Psi	6090	inch	-	3,43	0,78	1,18		0,39	0,47	lb	0,43	
QC FF 12L BK FEMALE		MPa	42	mm	31	96,5	-	30	M18X1,5	10	12	kg	0,49	NC06M02S001
		Psi	6090	inch	1,22	3,80	-	1,18		0,39	0,47	lb	1,08	
QC FF 15L BK MALE		MPa	42	mm	-	87	19,75	30	M22X1,5	12	15	kg	0,214	NC05M02S002
		Psi	6090	inch	-	3,43	0,78	1,18		0,47	0,59	lb	0,47	
QC FF 15L BK FEMALE		MPa	42	mm	31	96,5	-	30	M22X1,5	12	15	kg	0,503	NC06M02S002
		Psi	6090	inch	1,22	3,80	-	1,18		0,47	0,59	lb	1,11	
QC FF 12L BK MALE	12,5	MPa	42	mm	-	90	24,5	34	M18X1,5	10	12	kg	0,397	NC05M03S000
		Psi	6090	inch	-	3,54	0,96	1,34		0,39	0,47	lb	0,88	
QC FF 12L BK FEMALE		MPa	42	mm	38	96	-	34	M18X1,5	10	12	kg	0,679	NC06M03S000
		Psi	6090	inch	1,50	3,78	-	1,34		0,39	0,47	lb	1,50	
QC FF 15L BK MALE		MPa	42	mm	-	90	24,5	34	M22X1,5	12	15	kg	0,409	NC05M03S001
		Psi	6090	inch	-	3,54	0,96	1,34		0,47	0,59	lb	0,90	
QC FF 15L BK FEMALE		MPa	42	mm	38	96	-	34	M22X1,5	12	15	kg	0,691	NC06M03S001
		Psi	6090	inch	1,50	3,78	-	1,34		0,47	0,59	lb	1,52	
QC FF 18L BK MALE	16	MPa	35	mm	-	97	27	41	M26X1,5	15	18	kg	0,383	NC05MA3S000
		Psi	5075	inch	-	3,82	1,06	1,61		0,59	0,71	lb	0,84	
QC FF 18L BK FEMALE		MPa	35	mm	42	105	-	41	M26X1,5	15	18	kg	0,69	NC06MA3S000
		Psi	5075	inch	1,65	4,13	-	1,61		0,59	0,71	lb	1,52	
QC FF 18L BK MALE	19	MPa	35	mm	-	102	29,95	41	M26X1,5	15	18	kg	0,509	NC05M04S000
		Psi	5075	inch	-	4,02	1,18	1,61		0,59	0,71	lb	1,12	
QC FF 18L BK FEMALE		MPa	35	mm	44	113	-	41	M26X1,5	15	18	kg	0,935	NC06M04S000
		Psi	5075	inch	1,73	4,45	-	1,61		0,59	0,71	lb	2,06	
QC FF 22L BK MALE		MPa	35	mm	-	109	29,95	41	M30X2	19	22	kg	0,529	NC05M04S001
		Psi	5075	inch	-	4,29	1,18	1,61		0,75	0,87	lb	1,17	
QC FF 22L BK FEMALE		MPa	35	mm	44	120	-	41	M30X2	19	22	kg	0,945	NC06M04S001
		Psi	5075	inch	1,73	4,72	-	1,61		0,75	0,87	lb	2,08	

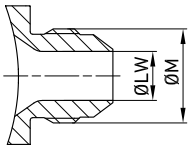


QUICK COUPLINGS ISO 16028 FLAT FACE (male / female) MALE THREAD ISO 8434-2 (SAE J514) JIC

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	WEIGHT		ITEM CODE
QC FF 3/8 JIC MALE	6,3	MPa	42	mm	-	50	16,15	24	9/16-18 UNF	7,5	kg	0,153	NC05J010000
		Psi	6090	inch	-	1,97	0,64	0,94		0,30	lb	0,34	
QC FF 3/8 JIC FEMALE		MPa	42	mm	27	63,6	-	24	9/16-18 UNF	7,5	kg	0,246	NC0JG010000
		Psi	6090	inch	1,06	2,50	-	0,94		0,30	lb	0,54	
QC FF 3/8 JIC MALE	10	MPa	42	mm	-	68,2	19,75	30	9/16-18 UNF	7,5	kg	0,18	NC05J020000
		Psi	6090	inch	-	2,69	0,78	1,18		0,30	lb	0,40	
QC FF 3/8 JIC FEMALE		MPa	42	mm	31	77,8	-	30	9/16-18 UNF	7,5	kg	0,473	NC06J020000
		Psi	6090	inch	1,22	3,06	-	1,18		0,30	lb	1,04	
QC FF 5/8 JIC MALE		MPa	42	mm	-	73,4	19,75	30	7/8-14 UNF	12,3	kg	0,18	NC05J020001
		Psi	6090	inch	-	2,89	0,78	1,18		0,48	lb	0,40	
QC FF 5/8 JIC FEMALE		MPa	42	mm	31	83	-	30	7/8-14 UNF	12,3	kg	0,469	NC06J020001
		Psi	6090	inch	1,22	3,27	-	1,18		0,48	lb	1,03	
QC FF 1/2 JIC MALE		MPa	42	mm	-	70	19,75	30	3/4-16 UNF	9,9	kg	0,184	NC05J020002
		Psi	6090	inch	-	2,76	0,78	1,18		0,39	lb	0,41	
QC FF 1/2 JIC FEMALE		MPa	42	mm	31	80	-	30	3/4-16 UNF	9,9	kg	0,477	NC06J020002
		Psi	6090	inch	1,22	3,15	-	1,18		0,39	lb	1,05	
QC FF 1/2 JIC MALE	12,5	MPa	42	mm	-	76,2	24,5	34	3/4-16 UNF	9,9	kg	0,376	NC05J030000
		Psi	6090	inch	-	3,00	0,96	1,34		0,39	lb	0,83	
QC FF 1/2 JIC FEMALE		MPa	42	mm	38	82,2	-	34	3/4-16 UNF	9,9	kg	0,658	NC06J030000
		Psi	6090	inch	1,50	3,24	-	1,34		0,39	lb	1,45	
QC FF 5/8 JIC MALE		MPa	42	mm	-	79,3	24,5	34	7/8-14 UNF	12,3	kg	0,384	NC05J030001
		Psi	6090	inch	-	3,12	0,96	1,34		0,48	lb	0,85	
QC FF 5/8 JIC FEMALE		MPa	42	mm	38	85,3	-	34	7/8-14 UNF	12,3	kg	0,665	NC06J030001
		Psi	6090	inch	1,50	3,36	-	1,34		0,48	lb	1,47	
QC FF 3/4 JIC MALE		MPa	42	mm	-	81,9	24,5	34	1-1/16-12 UN	15,5	kg	0,396	NC05J030002
		Psi	6090	inch	-	3,22	0,96	1,34		0,61	lb	0,87	
QC FF 3/4 JIC FEMALE		MPa	42	mm	38	87,9	-	34	1-1/16-12 UN	15,5	kg	0,673	NC06J030002
		Psi	6090	inch	1,50	3,46	-	1,34		0,61	lb	1,48	
QC FF 1 JIC MALE		MPa	42	mm	-	83,1	24,5	34	1-5/16-12 UN	21,5	kg	0,34	NC05J030003
		Psi	6090	inch	-	3,27	0,96	1,34		0,85	lb	0,75	
QC FF 1 JIC FEMALE		MPa	42	mm	38	89	-	34	1-5/16-12 UN	21,5	kg	0,66	NC06J030003
		Psi	6090	inch	1,50	3,50	-	1,34		0,85	lb	1,46	
"C FF 1 JIC MALE	16	MPa	35	mm	-	84,3	27	41	1-5/16-12 UN	21,5	kg	0,342	NC05JA30000
		Psi	5075	inch	-	3,32	1,06	1,61		0,85	lb	0,75	
"C FF 1 JIC FEMALE		MPa	35	mm	42	92	-	41	1-5/16-12 UN	21,5	kg	0,649	NC06JA30000
		Psi	5075	inch	1,65	3,62	-	1,61		0,85	lb	1,43	

The company reserves the right to operate dimensional changes without prior notice.



QUICK COUPLINGS ISO 16028 FLAT FACE (male / female) MALE THREAD ISO 8434-2 (SAE J514) JIC

SS Stainless Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	WEIGHT		ITEM CODE
QC FF 3/8 JIC MALE	6,3	MPa	42	mm	-	50	16,15	24	9/16-18 UNF	7,5	kg	0,153	NC05J01S000
		Psi	6090	inch	-	1,97	0,64	0,94		0,30	lb	0,34	
QC FF 3/8 JIC FEMALE		MPa	42	mm	27	63,6	-	24	9/16-18 UNF	7,5	kg	0,246	NC0JG01S000
		Psi	6090	inch	1,06	2,50	-	0,94		0,30	lb	0,54	
QC FF 3/8 JIC MALE	10	MPa	42	mm	-	73,4	19,75	30	9/16-18 UNF	7,5	kg	0,18	NC05J02S000
		Psi	6090	inch	-	2,89	0,78	1,18		0,30	lb	0,40	
QC FF 3/8 JIC FEMALE		MPa	42	mm	31	83	-	30	9/16-18 UNF	7,5	kg	0,473	NC06J02S000
		Psi	6090	inch	1,22	3,27	-	1,18		0,30	lb	1,04	
QC FF 5/8 JIC MALE		MPa	42	mm	-	68,2	19,75	30	7/8-14 UNF	12,3	kg	0,18	NC05J02S001
		Psi	6090	inch	-	2,69	0,78	1,18		0,48	lb	0,40	
QC FF 5/8 JIC FEMALE		MPa	42	mm	31	77,8	-	30	7/8-14 UNF	12,3	kg	0,469	NC06J02S001
		Psi	6090	inch	1,22	3,06	-	1,18		0,48	lb	1,03	
QC FF 1/2 JIC MALE		MPa	42	mm	-	70	19,75	30	3/4-16 UNF	9,9	kg	0,184	NC05J02S002
		Psi	6090	inch	-	2,76	0,78	1,18		0,39	lb	0,41	
QC FF 1/2 JIC FEMALE		MPa	42	mm	31	80	-	30	3/4-16 UNF	9,9	kg	0,477	NC06J02S002
		Psi	6090	inch	1,22	3,15	-	1,18		0,39	lb	1,05	
QC FF 1/2 JIC MALE	12,5	MPa	42	mm	-	76,2	24,5	34	3/4-16 UNF	9,9	kg	0,376	NC05J03S000
		Psi	6090	inch	-	3,00	0,96	1,34		0,39	lb	0,83	
QC FF 1/2 JIC FEMALE		MPa	42	mm	38	82,2	-	34	3/4-16 UNF	9,9	kg	0,658	NC06J03S000
		Psi	6090	inch	1,50	3,24	-	1,34		0,39	lb	1,45	
QC FF 5/8 JIC MALE		MPa	42	mm	-	79,3	24,5	34	7/8-14 UNF	12,3	kg	0,384	NC05J03S001
		Psi	6090	inch	-	3,12	0,96	1,34		0,48	lb	0,85	
QC FF 5/8 JIC FEMALE		MPa	42	mm	38	85,3	-	34	7/8-14 UNF	12,3	kg	0,665	NC06J03S001
		Psi	6090	inch	1,50	3,36	-	1,34		0,48	lb	1,47	
QC FF 3/4 JIC MALE		MPa	42	mm	-	81,9	24,5	34	1-1/16-12 UN	15,5	kg	0,396	NC05J03S002
		Psi	6090	inch	-	3,22	0,96	1,34		0,61	lb	0,87	
QC FF 3/4 JIC FEMALE		MPa	42	mm	38	87,9	-	34	1-1/16-12 UN	15,5	kg	0,673	NC06J03S002
		Psi	6090	inch	1,50	3,46	-	1,34		0,61	lb	1,48	
QC FF 1 JIC MALE		MPa	42	mm	-	83,1	24,5	34	1-5/16-12 UN	21,5	kg	0,34	NC05J03S003
		Psi	6090	inch	-	3,27	0,96	1,34		0,85	lb	0,75	
QC FF 1 JIC FEMALE	16	MPa	42	mm	38	89	-	34	1-5/16-12 UN	21,5	kg	0,66	NC06J03S003
		Psi	6090	inch	1,50	3,50	-	1,34		0,85	lb	1,46	
QC FF 1 JIC MALE		16	35	mm	-	84,3	27	41	1-5/16-12 UN	21,5	kg	0,342	NC05JA3S000
		Psi	5075	inch	-	3,32	1,06	1,61		0,85	lb	0,75	
QC FF 1 JIC FEMALE		MPa	35	mm	42	92	-	41	1-5/16-12 UN	21,5	kg	0,649	NC06JA3S000
		Psi	5075	inch	1,65	3,62	-	1,61		0,85	lb	1,43	

FFAP

QUICK COUPLINGS

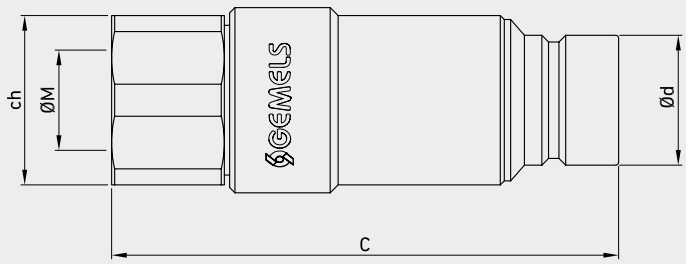
Flat Face high pressure

Edition. 21.2

CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 16028
- Sizes: from DN6 up to DN25
- Pressure: up to PN420

Male



Available also in patented version: ball valve with integrated quick coupling.



CODE DESCRIPTION STRUCTURE

QC	1/2	M/F	DN12,5	1	B

Type of coupling
FFAP FLAT FACE

Ends
ISO 1179-1
BSPP
G 1/4
G 3/8
G 1/2
G 1
G 1-1/4

MALE

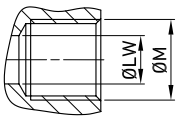
DN/ISO
6,3
10
12,5
19
25

Body Material
● **1** = 1,0737

Seal material
● **B** = NBR **E** = FKM*



*On request
- Cups
- Plugs



QUICK COUPLINGS FLAT FACE CONNECTION UNDER PRESSURE (FFAP) (male / female) FEMALE THREAD ISO 1179-1 BSPP WITH BALL VALVE

												CS Carbon Steel
TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT			ITEM CODE
QC FFAP G 1/4 MALE	6,3	MPa	42	mm -	76,7	16,17	20	G 1/4	kg	0,035		NC13G010000
		Psi	6090	inch -	3,02	0,64			lb	0,08		
QC FFAP G 3/8 MALE	10	MPa	42	mm -	78,1	19,75	24	G 3/8	kg	0,048		NC13G020000
		Psi	6090	inch -	3,07	0,78			lb	0,11		
QC FFAP G 1/2 MALE	12,5	MPa	42	mm -	95,8	24,54	32	G 1/2	kg	0,083		NC13G030000
		Psi	6090	inch -	3,77	0,97			lb	0,18		
QC FFAP G 1 MALE	19	MPa	35	mm -	113,9	29,95	46	G 1	kg	0,256		NC13G050000
		Psi	5075	inch -	4,48	1,18			lb	0,56		
QC FFAP G 1 1/4 MALE	25	MPa	35	mm -	123,7	36,05	41	G1 1/4	kg	0,535		NC13G060000
		Psi	5075	inch -	4,87	1,42			lb	1,18		

ISO A

QUICK COUPLINGS

Available PL version, free flow (without valve) on both sides

Edition. 21.2

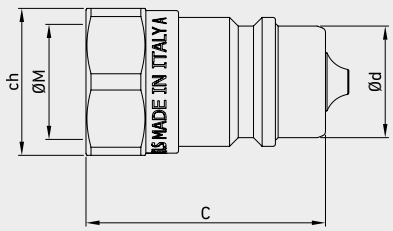
CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 7241/A
- Sizes: from DN6 to DN50
- Pressure: up to PN420

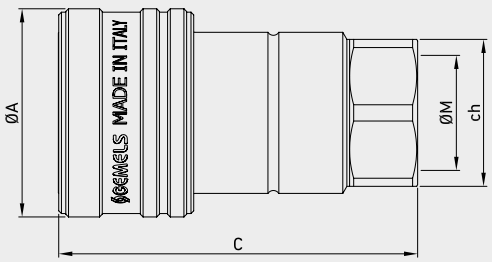
SS Stainless Steel

- Type: Quick Couplings
- Models: ISO 7241/A
- Sizes: from DN6 to DN50
- Pressure: up to PN300

Male

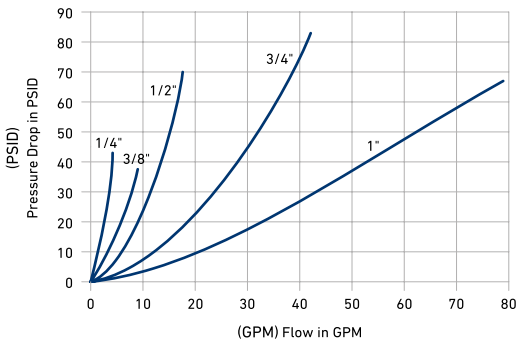


Female

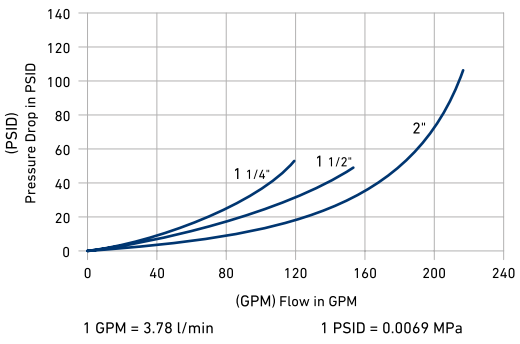


Available also in patented version: ball valve with integrated quick coupling.

Performance
(1/4", 3/8", 1/2", 3/4", 1")
Series (1/4", 3/8", 1/2", 3/4", 1")
200SUS (Test Fluid: Oil-200SUS)



(11/4", 11/2", 2")
(11/4", 11/2", 2")



1 GPM = 3.78 l/min

1 PSID = 0.0069 MPa





CODE DESCRIPTION STRUCTURE

QC	G1/2	M/F	DN12,5	1	B

Type of coupling

ISO 7241/A

Ends

ISO 1179-1 BSPP	ASME B1.20.1 NPT	ISO 11926-1 (SAE J1926-1) ORB
G 1/4	N 1/4	SAE4
G 3/8	N 3/8	SAE6
G 1/2	N 1/2	SAE8
G 3/4	N 3/4	SAE12
G 1	N 1	SAE16
G 1 1/4	N 1 1/4	SAE20
G 1 1/2	N 1 1/2	SAE24
G 2	N 2	SAE32

MALE

FEMALE

DN/ISO

6,3
10
12,5
20
25
31,5
40
50

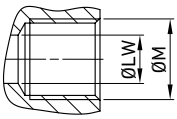
Body Material

● **1** = 1,0737
● **4** = 1,4404

Seal material

● **B** = NBR **E** = FKM*
● **E** = FKM

*On request
- Cups
- Plugs

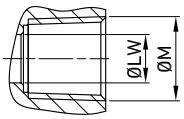


QUICK COUPLINGS ISO 7241/A (male / female)
FEMALE THREAD ISO 1179-1 BSPP WITH POPPET

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC ISO A G 1/4 MALE	6.3	MPa	42	mm -	35,5	11,86	19	G1/4	kg 0,037	NC01G010000
		Psi	6090	inch -	1,40	0,47	0,75		lb 0,08	
QC ISO A G 1/4 FEMALE		MPa	42	mm 25	49,6	-	19	G1/4	kg 0,11	NC02G010000
		Psi	6090	inch 0,98	1,95	-	0,75		lb 0,24	
QC ISO A G 3/8 MALE	10	MPa	42	mm -	39,5	17,3	22	G3/8	kg 0,05	NC01G020000
		Psi	6090	inch -	1,56	0,68	0,87		lb 0,11	
QC ISO A G 3/8 FEMALE		MPa	42	mm 32	57	-	22	G3/8	kg 0,15	NC02G020000
		Psi	6090	inch 1,26	2,24	-	0,87		lb 0,33	
QC ISO A G 1/2 MALE	12,5	MPa	35	mm -	44	20,5	27	G1/2	kg 0,0924	NC01G030000
		Psi	5075	inch -	1,73	0,81	1,06		lb 0,20	
QC ISO A G 1/2 FEMALE		MPa	35	mm 38,25	66	-	27	G1/2	kg 0,227	NC02G030000
		Psi	5075	inch 1,51	2,60	-	1,06		lb 0,50	
QC ISO A G 3/4 MALE	20	MPa	25	mm -	55,5	29,1	34	G3/4	kg 0,2	NC01G040000
		Psi	3625	inch -	2,19	1,15	1,34		lb 0,44	
QC ISO A G 3/4 FEMALE		MPa	25	mm 48	83	-	34	G3/4	kg 0,49	NC02G040000
		Psi	3625	inch 1,89	3,27	-	1,34		lb 1,08	
QC ISO A G 1 MALE	25	MPa	25	mm -	66	34,34	41	G 1	kg 0,311	NC01G050000
		Psi	3625	inch -	2,60	1,35	1,61		lb 0,69	
QC ISO A G 1 FEMALE		MPa	25	mm 56	100	-	41	G 1	kg 0,7825	NC02G050000
		Psi	3625	inch 2,20	3,94	-	1,61		lb 1,73	
QC ISO A G 1 1/4 MALE	31,5	MPa	25	mm -	74,8	45	50	G 1 1/4	kg 0,537	NC01G060000
		Psi	3625	inch -	2,94	1,77	1,97		lb 1,18	
QC ISO A G 1 1/4 FEMALE		MPa	25	mm 71	117,5	-	50	G 1 1/4	kg 1,243	NC02G060000
		Psi	3625	inch 2,80	4,63	-	1,97		lb 2,74	
QC ISO A G 1 1/2 MALE	40	MPa	20	mm -	84	55	60	G 1 1/2	kg 0,881	NC01G070000
		Psi	2900	inch -	3,31	2,17	2,36		lb 1,94	
QC ISO A G 1 1/2 FEMALE		MPa	20	mm 86	135	-	60	G 1 1/2	kg 2,126	NC02G070000
		Psi	2900	inch 3,39	5,31	-	2,36		lb 4,69	
QC ISO A G 2 MALE	50	MPa	15	mm -	102,5	65,1	75	G 2	kg 1,613	NC01G080000
		Psi	2175	inch -	4,04	2,56	2,95		lb 3,56	
QC ISO A G 2 FEMALE		MPa	15	mm 103	162,5	-	75	G 2	kg 3,961	NC02G080000
		Psi	2175	inch 4,06	6,40	-	2,95		lb 8,73	

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC ISO A G 1/4 MALE	6.3	MPa	30	mm -	34	11,8	19	G1/4	kg 0,037	NC01G010001
		Psi	4350	inch -	1,34	0,46	0,75		lb 0,08	
QC ISO A G 1/4 FEMALE		MPa	30	mm 26	58,5	-	19	G1/4	kg 0,11	NC02G010001
		Psi	4350	inch 1,02	2,30	-	0,75		lb 0,24	
QC ISO A G 3/8 MALE	10	MPa	25	mm -	40	17,3	22	G3/8	kg 0,05	NC01G02S001
		Psi	3625	inch -	1,57	0,68	0,87		lb 0,11	
QC ISO A G 3/8 FEMALE		MPa	25	mm 30	64	-	22	G3/8	kg 0,15	NC02G02S001
		Psi	3625	inch 1,18	2,52	-	0,87		lb 0,33	
QC ISO A G 1/2 MALE	12,5	MPa	25	mm -	46	20,5	27	G1/2	kg 0,0924	NC01G030001
		Psi	3625	inch -	1,81	0,81	1,06		lb 0,20	
QC ISO A G 1/2 FEMALE		MPa	25	mm 38	73	-	27	G1/2	kg 0,227	NC02G030001
		Psi	3625	inch 1,50	2,87	-	1,06		lb 0,50	
QC ISO A G 3/4 MALE	20	MPa	25	mm -	54	29,1	36	G3/4	kg 0,2	NC01G04S001
		Psi	3625	inch -	2,13	1,15	1,42		lb 0,44	
QC ISO A G 3/4 FEMALE		MPa	25	mm 48	87,5	-	36	G3/4	kg 0,49	NC02G04S001
		Psi	3625	inch 1,89	3,44	-	1,42		lb 1,08	
QC ISO A G 1 MALE	25	MPa	20	mm -	63	34,3	41	G 1	kg 0,311	NC01G050001
		Psi	2900	inch -	2,48	1,35	1,61		lb 0,69	
QC ISO A G 1 FEMALE		MPa	20	mm 54	103	-	38	G 1	kg 0,7825	NC02G050001
		Psi	2900	inch 2,13	4,06	-	1,50		lb 1,73	
QC ISO A G 1 1/4 MALE	31,5	MPa	10	mm -	69	45	50	G 1 1/4	kg 0,537	NC01G06S001
		Psi	1450	inch -	2,72	1,77	1,97		lb 1,18	
QC ISO A G 1 1/4 FEMALE		MPa	10	mm 70	115	-	50	G 1 1/4	kg 1,243	NC02G06S001
		Psi	1450	inch 2,76	4,53	-	1,97		lb 2,74	
QC ISO A G 1 1/2 MALE	40	MPa	8	mm -	73	55	60	G 1 1/2	kg 0,881	NC01G07S001
		Psi	1160	inch -	2,87	2,17	2,36		lb 1,94	
QC ISO A G 1 1/2 FEMALE		MPa	8	mm 81	123	-	60	G 1 1/2	kg 2,126	NC02G07S001
		Psi	1160	inch 3,19	4,84	-	2,36		lb 4,69	
QC ISO A G 2 MALE	50	MPa	6	mm -	90	65,1	70	G 2	kg 1,613	NC01G08S001
		Psi	870	inch -	3,54	2,56	2,76		lb 3,56	
QC ISO A G 2 FEMALE		MPa	6	mm 103	147	-	70	G 2	kg 3,961	NC02G08S001
		Psi	870	inch 4,06	5,79	-	2,76		lb 8,73	

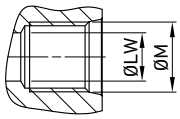
The company reserves the right to operate dimensional changes without prior notice.



QUICK COUPLINGS ISO 7241/A (male / female)
FEMALE THREAD ASME B1.20.1 NPT WITH POPPET

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC ISO A N 1/4 MALE	6.3	MPa	42	mm -	35,5	11,86	19	N1/4	kg 0,037	NC01N010000
		Psi	6090	inch -	1,40	0,47	0,75		lb 0,08	
QC ISO A N 1/4 FEMALE		MPa	42	mm 25	49,6	-	19	N1/4	kg 0,11	NC02N010000
		Psi	6090	inch 0,98	1,95	-	0,75		lb 0,24	
QC ISO A N 3/8 MALE	10	MPa	42	mm -	39,5	17,3	22	N3/8	kg 0,05	NC01N020000
		Psi	6090	inch -	1,56	0,68	0,87		lb 0,11	
QC ISO A N 3/8 FEMALE		MPa	42	mm 32	57	-	22	N3/8	kg 0,15	NC02N020000
		Psi	6090	inch 1,26	2,24	-	0,87		lb 0,33	
QC ISO A N 1/2 MALE	12,5	MPa	35	mm -	44	20,5	27	N1/2	kg 0,0924	NC01N030000
		Psi	5075	inch -	1,73	0,81	1,06		lb 0,20	
QC ISO A N 1/2 FEMALE		MPa	35	mm 38,25	66	-	27	N1/2	kg 0,227	NC02N030000
		Psi	5075	inch 1,51	2,60	-	1,06		lb 0,50	
QC ISO A N 3/4 MALE	20	MPa	25	mm -	55,5	29,1	34	N3/4	kg 0,2	NC01N040000
		Psi	3625	inch -	2,19	1,15	1,34		lb 0,44	
QC ISO A N 3/4 FEMALE		MPa	25	mm 48	83	-	34	N3/4	kg 0,49	NC02N040000
		Psi	3625	inch 1,89	3,27	-	1,34		lb 1,08	
QC ISO A N 1 MALE	25	MPa	25	mm -	66	34,34	41	N 1	kg 0,311	NC01N050000
		Psi	3625	inch -	2,60	1,35	1,61		lb 0,69	
QC ISO A N 1 FEMALE		MPa	25	mm 56	100	-	41	G 1	kg 0,7825	NC02N050000
		Psi	3625	inch 2,20	3,94	-	1,61		lb 1,73	
QC ISO A N 1 1/4 MALE	31,5	MPa	25	mm -	74,8	45	50	N1 1/4	kg 0,537	NC01N060000
		Psi	3625	inch -	2,94	1,77	1,97		lb 1,18	
QC ISO A N 1 1/4 FEMALE		MPa	25	mm 71	117,5	-	50	N1 1/4	kg 1,243	NC02N060000
		Psi	3625	inch 2,80	4,63	-	1,97		lb 2,74	
QC ISO A N 1 1/2 MALE	40	MPa	20	mm -	84	55	60	N1 1/2	kg 0,881	NC01N070000
		Psi	2900	inch -	3,31	2,17	2,36		lb 1,94	
QC ISO A N 1 1/2 FEMALE		MPa	20	mm 86	135	-	60	N1 1/2	kg 2,126	NC02N070000
		Psi	2900	inch 3,39	5,31	-	2,36		lb 4,69	
QC ISO A N 2 MALE	50	MPa	15	mm -	102,5	65,1	75	N 2	kg 1,613	NC01N080000
		Psi	2175	inch -	4,04	2,56	2,95		lb 3,56	
QC ISO A N 2 FEMALE		MPa	15	mm 103	162,5	-	75	N 2	kg 3,961	NC02N080000
		Psi	2175	inch 4,06	6,40	-	2,95		lb 8,73	

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC ISO A N 1/4 MALE	6.3	MPa	30	mm -	34	11,8	19	N1/4	kg 0,037	NC01N010001
		Psi	4350	inch -	1,34	0,46	0,75		lb 0,08	
QC ISO A N 1/4 FEMALE		MPa	30	mm 26	58,5	-	19	N1/4	kg 0,11	NC02N010001
		Psi	4350	inch 1,02	2,30	-	0,75		lb 0,24	
QC ISO A N 3/8 MALE	10	MPa	25	mm -	40	17,3	22	N3/8	kg 0,05	NC01N020001
		Psi	3625	inch -	1,57	0,68	0,87		lb 0,11	
QC ISO A N 3/8 FEMALE		MPa	25	mm 30	64	-	22	N3/8	kg 0,15	NC02N020001
		Psi	3625	inch 1,18	2,52	-	0,87		lb 0,33	
QC ISO A N 1/2 MALE	12,5	MPa	25	mm -	46	20,5	27	N1/2	kg 0,0924	NC01N030001
		Psi	3625	inch -	1,81	0,81	1,06		lb 0,20	
QC ISO A N 1/2 FEMALE		MPa	25	mm 38	73	-	27	N1/2	kg 0,227	NC02N030001
		Psi	3625	inch 1,50	2,87	-	1,06		lb 0,50	
QC ISO A N 3/4 MALE	20	MPa	25	mm -	54	29,1	36	N3/4	kg 0,2	NC01N040001
		Psi	3625	inch -	2,13	1,15	1,42		lb 0,44	
QC ISO A N 3/4 FEMALE		MPa	25	mm 48	87,5	-	36	N3/4	kg 0,49	NC02N040001
		Psi	3625	inch 1,89	3,44	-	1,42		lb 1,08	
QC ISO A N 1 MALE	25	MPa	20	mm -	63	34,3	41	N 1	kg 0,311	NC01N050001
		Psi	2900	inch -	2,48	1,35	1,61		lb 0,69	
QC ISO A N 1 FEMALE		MPa	20	mm 54	103	-	38	G 1	kg 0,7825	NC02N050001
		Psi	2900	inch 2,13	4,06	-	1,50		lb 1,73	
QC ISO A N 1 1/4 MALE	31,5	MPa	10	mm -	69	45	50	N1 1/4	kg 0,537	NC01N060001
		Psi	1450	inch -	2,72	1,77	1,97		lb 1,18	
QC ISO A N 1 1/4 FEMALE		MPa	10	mm 70	115	-	50	N1 1/4	kg 1,243	NC02N060001
		Psi	1450	inch 2,76	4,53	-	1,97		lb 2,74	
QC ISO A N 1 1/2 MALE	40	MPa	8	mm -	73	55	60	N1 1/2	kg 0,881	NC01N070001
		Psi	1160	inch -	2,87	2,17	2,36		lb 1,94	
QC ISO A N 1 1/2 FEMALE		MPa	8	mm 81	126	-	60	N1 1/2	kg 2,126	NC02N070001
		Psi	1160	inch 3,19	4,96	-	2,36		lb 4,69	
QC ISO A N 2 MALE	50	MPa	6	mm -	90	65,1	70	N 2	kg 1,613	NC01N080001
		Psi	870	inch -	3,54	2,56	2,76		lb 3,56	
QC ISO A N 2 FEMALE		MPa	6	mm 103	147	-	70	N 2	kg 3,961	NC02N080001
		Psi	870	inch 4,06	5,79	-	2,76		lb 8,73	



QUICK COUPLINGS ISO 7241/A (male / female)
FEMALE THREAD ISO 11926-1 (SAE J1926-1) ORB WITH POPPET

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC ISO A SAE4 MALE	6.3	MPa	42	mm -	35,5	11,86	19	SAE4	kg 0,037	NC01S010000
		Psi	6090	inch -	1,40	0,47	0,75		lb 0,08	
QC ISO A SAE4 FEMALE		MPa	42	mm 25	49,6	-	19	SAE4	kg 0,11	NC02S010000
		Psi	6090	inch 0,98	1,95	-	0,75		lb 0,24	
QC ISO A SAE6 MALE	10	MPa	42	mm -	39,5	17,3	22	SAE6	kg 0,05	NC01S020000
		Psi	6090	inch -	1,56	0,68	0,87		lb 0,11	
QC ISO A SAE6 FEMALE		MPa	42	mm 32	57	-	22	SAE6	kg 0,15	NC02S020000
		Psi	6090	inch 1,26	2,24	-	0,87		lb 0,33	
QC ISO A SAE8 MALE	12,5	MPa	35	mm -	44	20,5	27	SAE8	kg 0,0924	NC01S030000
		Psi	5075	inch -	1,73	0,81	1,06		lb 0,20	
QC ISO A SAE8 FEMALE		MPa	35	mm 38,25	66	-	27	SAE8	kg 0,227	NC02S030000
		Psi	5075	inch 1,51	2,60	-	1,06		lb 0,50	
QC ISO A SAE12 MALE	20	MPa	25	mm -	55,5	29,1	34	SAE12	kg 0,2	NC01S040000
		Psi	3625	inch -	2,19	1,15	1,34		lb 0,44	
QC ISO A SAE12 FEMALE		MPa	25	mm 48	83	-	34	SAE12	kg 0,49	NC02S040000
		Psi	3625	inch 1,89	3,27	-	1,34		lb 1,08	
QC ISO A SAE16 MALE	25	MPa	25	mm -	66	34,34	41	SAE16	kg 0,311	NC01S050000
		Psi	3625	inch -	2,60	1,35	1,61		lb 0,69	
QC ISO A SAE16 FEMALE		MPa	25	mm 56	100	-	41	SAE16	kg 0,7825	NC02S050000
		Psi	3625	inch 2,20	3,94	-	1,61		lb 1,73	
QC ISO A SAE20 MALE	31,5	MPa	25	mm -	74,8	45	50	SAE20	kg 0,537	NC01S060000
		Psi	3625	inch -	2,94	1,77	1,97		lb 1,18	
QC ISO A SAE20 FEMALE		MPa	25	mm 71	117,5	-	50	SAE20	kg 1,243	NC02S060000
		Psi	3625	inch 2,80	4,63	-	1,97		lb 2,74	
QC ISO A SAE24 MALE	40	MPa	20	mm -	84	55	60	SAE24	kg 0,881	NC01S070000
		Psi	2900	inch -	3,31	2,17	2,36		lb 1,94	
QC ISO A SAE24 FEMALE		MPa	20	mm 86	135	-	60	SAE24	kg 2,126	NC02S070000
		Psi	2900	inch 3,39	5,31	-	2,36		lb 4,69	
QC ISO A SAE32 MALE	50	MPa	15	mm -	102,5	65,1	75	SAE32	kg 1,613	NC01S080000
		Psi	2175	inch -	4,04	2,56	2,95		lb 3,56	
QC ISO A SAE32 FEMALE		MPa	15	mm 103	162,5	-	75	SAE32	kg 3,961	NC02S080000
		Psi	2175	inch 4,06	6,40	-	2,95		lb 8,73	

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC ISO A SAE4 MALE	6.3	MPa	30	mm -	34	11,8	19	SAE4	kg 0,037	NC01S01S001
		Psi	4350	inch -	1,34	0,46	0,75		lb 0,08	
QC ISO A SAE4 FEMALE		MPa	30	mm 26	58,5	-	19	SAE4	kg 0,11	NC02S01S001
		Psi	4350	inch 1,02	2,30	-	0,75		lb 0,24	
QC ISO A SAE6 MALE	10	MPa	25	mm -	40	17,3	22	SAE6	kg 0,05	NC01S02S001
		Psi	3625	inch -	1,57	0,68	0,87		lb 0,11	
QC ISO A SAE6 FEMALE		MPa	25	mm 30	64	-	22	SAE6	kg 0,15	NC02S02S001
		Psi	3625	inch 1,18	2,52	-	0,87		lb 0,33	
QC ISO A SAE8 MALE	12,5	MPa	25	mm -	46	20,5	27	SAE8	kg 0,0924	NC01S03S001
		Psi	3625	inch -	1,81	0,81	1,06		lb 0,20	
QC ISO A SAE8 FEMALE		MPa	25	mm 38	73	-	27	SAE8	kg 0,227	NC02S03S001
		Psi	3625	inch 1,50	2,87	-	1,06		lb 0,50	
QC ISO A SAE12 MALE	20	MPa	25	mm -	54	29,1	36	SAE12	kg 0,2	NC01S04S001
		Psi	3625	inch -	2,13	1,15	1,42		lb 0,44	
QC ISO A SAE12 FEMALE		MPa	25	mm 48	87,5	-	36	SAE12	kg 0,49	NC02S04S001
		Psi	3625	inch 1,89	3,44	-	1,42		lb 1,08	
QC ISO A SAE16 MALE	25	MPa	20	mm -	63	34,3	41	SAE16	kg 0,311	NC01S05S001
		Psi	2900	inch -	2,48	1,35	1,61		lb 0,69	
QC ISO A SAE16 FEMALE		MPa	20	mm 54	103	-	38	SAE16	kg 0,7825	NC02S05S001
		Psi	2900	inch 2,13	4,06	-	1,50		lb 1,73	
QC ISO A SAE20 MALE	31,5	MPa	10	mm -	69	45	50	SAE20	kg 0,537	NC01S06S001
		Psi	1450	inch -	2,72	1,77	1,97		lb 1,18	
QC ISO A SAE20 FEMALE		MPa	10	mm 70	115	-	50	SAE20	kg 1,243	NC02S06S001
		Psi	1450	inch 2,76	4,53	-	1,97		lb 2,74	
QC ISO A SAE24 MALE	40	MPa	8	mm -	73	55	60	SAE24	kg 0,881	NC01S07S001
		Psi	1160	inch -	2,87	2,17	2,36		lb 1,94	
QC ISO A SAE24 FEMALE		MPa	8	mm 81	126	-	60	SAE24	kg 2,126	NC02S07S001
		Psi	1160	inch 3,19	4,96	-	2,36		lb 4,69	
QC ISO A SAE32 MALE	50	MPa	6	mm -	90	65,1	70	SAE32	kg 1,613	NC01S08S001
		Psi	870	inch -	3,54	2,56	2,76		lb 3,56	
QC ISO A SAE32 FEMALE		MPa	6	mm 103	147	-	70	SAE32	kg 3,961	NC02S08S001
		Psi	870	inch 4,06	5,79	-	2,76		lb 8,73	

The company reserves the right to operate dimensional changes without prior notice.



PUSH-PULL

QUICK COUPLINGS

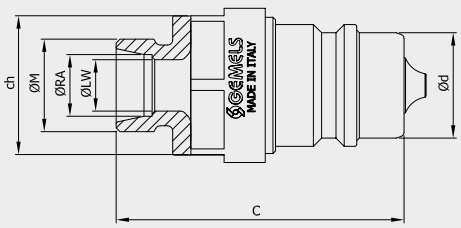
Available other different threads on request

Edition. 21.2

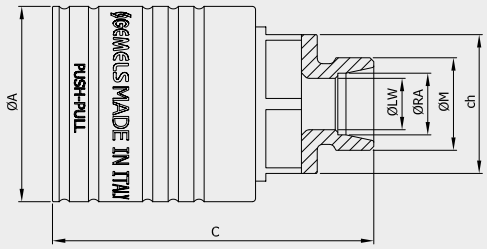
CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 7241/A PUSH-PULL
- Sizes: from DN10 up to DN25
- Pressure: up to PN420

Male



Female



Available also in patented version: ball valve with integrated quick coupling.





CODE DESCRIPTION STRUCTURE

QC	1/2	F/M	DN12,5	1	B

Type of coupling
ISO 7241A PP

Ends

ISO 1179-1 BSPP	ASME B1.20.1 NPT	ISO 8434-1-S (DIN 2353)	ISO 8434-1-L (DIN 2353)	ISO 8434-1-S (DIN 2353) BULKHEAD	ISO 8434-1-L (DIN 2353) BULKHEAD
G3/8		6L	12S	8L	10S
G1/2	N 1/2	8L	16S	10L	12S
G3/4		10L		12L	16S
G1		12L		15L	20S
		15L		18L	
		18L		22L	
		22L		28L	
		28L			

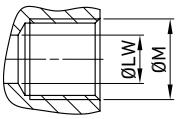
MALE
FEMALE

DN/ISO
10
12,5
20
25

Body Material
● **1** = 1,0737

Seal material
B = NBR **E** = FKM*

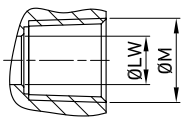
*On request
- Cups
- Plugs



Male type see ISO 7241/A

QUICK COUPLINGS PUSH-PULL (male / female)
FEMALE THREAD ISO 1179-1 BSPP
Interchangeable according to ISO 7241-A

TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		CS Carbon Steel ITEM CODE
QC PP G 3/8 FEMALE	10	MPa	42	mm	32	60,5	-	24	G3/8	kg	0,26	NC12G020000
		Psi	6090	inch	1,26	2,38	-	0,94		lb	0,57	
QC PP G 1/2 FEMALE		MPa	42	mm	32	63	-	24	G1/2	kg	0,28	NC12G020001
		Psi	6090	inch	1,26	2,48	-	0,94		lb	0,62	
QC PP G 3/8 FEMALE	12,5	MPa	35	mm	38	66	-	27	G3/8	kg	0,29	NC12G030000
		Psi	5075	inch	1,50	2,60	-	1,06		lb	0,64	
QC PP G 1/2 FEMALE		MPa	35	mm	38	68,5	-	27	G1/2	kg	0,31	NC12G030001
		Psi	5075	inch	1,50	2,70	-	1,06		lb	0,68	
QC PP G 3/4 FEMALE	19	MPa	25	mm	47	85,6	-	37	G3/4	kg	0,59	NC12G040000
		Psi	3625	inch	1,85	3,37	-	1,46		lb	1,30	
QC PP G 3/4 FEMALE	25	MPa	25	mm	55	102	-	41	G3/4	kg	0,94	NC12G050000
		Psi	3625	inch	2,17	4,02	-	1,61		lb	2,07	
QC PP G 1 FEMALE		MPa	25	mm	55	104	-	41	G1	kg	0,92	NC12G050001
		Psi	3625	inch	2,17	4,09	-	1,61		lb	2,03	

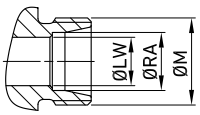


Male type see ISO 7241/A

QUICK COUPLINGS ISO 7241/A (male / female)
FEMALE THREAD ASME B1.20.1 NPT WITH POPPET

TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		CS Carbon Steel ITEM CODE
QC PP N 1/2 FEMALE	12,5	MPa	35	mm	38	72	-	27	N1/2	kg	0,19	NC12N030001
		Psi	5075	inch	1,50	2,83	-	1,06		lb	0,42	

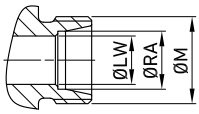
The company reserves the right to operate dimensional changes without prior notice.



QUICK COUPLINGS PUSH-PULL (male / female)
MALE THREAD METRIC ISO 8434-1-S (DIN 2353)
Interchangeable according to ISO 7241-A

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC PP 8S MALE	10	MPa	42	mm	-	52	17,3	24	M16X1,5	5	8	kg	0,12	NC11H020000
		Psi	6090	inch	-	2,05	0,68	0,94		0,20	0,31	lb	0,26	
QC PP 8S FEMALE		MPa	42	mm	32	63	-	24	M16X1,5	5	8	kg	0,321	NC12H020000
		Psi	6090	inch	1,26	2,48	-	0,94		0,20	0,31	lb	0,71	
QC PP 10S MALE		MPa	42	mm	-	52	17,3	24	M18X1,5	10	7	kg	0,13	NC11H020001
		Psi	6090	inch	-	2,05	0,68	0,94		0,39	0,28	lb	0,29	
QC PP 10S FEMALE		MPa	42	mm	32	63	-	24	M18X1,5	10	7	kg	0,324	NC12H020001
		Psi	6090	inch	1,26	2,48	-	0,94		0,39	0,28	lb	0,71	
QC PP 12S MALE	12,5	MPa	35	mm	-	57	20,5	27	M20X1,5	8	12	kg	0,135	NC11H030000
		Psi	5075	inch	-	2,24	0,81	1,06		0,31	0,47	lb	0,30	
QC PP 12S FEMALE		MPa	35	mm	38	64,5	-	27	M20X1,5	8	12	kg	0,28	NC12H030000
		Psi	5075	inch	1,50	2,54	-	1,06		0,31	0,47	lb	0,62	
QC PP 14S MALE		MPa	35	mm	-	59	20,5	27	M22X1,5	8	14	kg	0,45	NC11H030001
		Psi	5075	inch	-	2,32	0,81	1,06		0,31	0,55	lb	0,99	
QC PP 14S FEMALE		MPa	35	mm	38	66,5	-	27	M22X1,5	8	14	kg	0,281	NC12H030001
		Psi	5075	inch	1,50	2,62	-	1,06		0,31	0,55	lb	0,62	
QC PP 16S MALE		MPa	35	mm	-	59	20,5	27	M24X1,5	12	16	kg	0,157	NC11H030002
		Psi	5075	inch	-	2,32	0,81	1,06		0,47	0,63	lb	0,35	
QC PP 16S FEMALE		MPa	35	mm	38	66,5	-	27	M24X1,5	12	16	kg	0,284	NC12H030002
		Psi	5075	inch	1,50	2,62	-	1,06		0,47	0,63	lb	0,63	
QC PP 16S MALE	20	MPa	25	mm	-	64	29	34	M24X1,5	12	16	kg	0,251	NC11H040000
		Psi	3625	inch	-	2,52	1,14	1,34		0,47	0,63	lb	0,55	
QC PP 16S FEMALE		MPa	25	mm	47	79,5	-	34	M24X1,5	12	16	kg	0,51	NC12H040000
		Psi	3625	inch	1,85	3,13	-	1,34		0,47	0,63	lb	1,12	
QC PP 20S MALE		MPa	25	mm	-	66	29	34	M30X2	16	20	kg	0,26	NC11H040001
		Psi	3625	inch	-	2,60	1,14	1,34		0,63	0,79	lb	0,57	
QC PP 20S FEMALE		MPa	25	mm	47	81,5	-	34	M30X2	16	20	kg	0,53	NC12H040001
		Psi	3625	inch	1,85	3,21	-	1,34		0,63	0,79	lb	1,17	
QC PP 20S MALE	25	MPa	25	mm	-	88,5	34,34	41	M30X2	12	16	kg	0,4	NC11H050000
		Psi	3625	inch	-	3,48	1,35	1,61		0,47	0,63	lb	0,88	
QC PP 20S FEMALE		MPa	25	mm	55	104	-	41	M30X2	12	16	kg	0,11	NC12H050000
		Psi	3625	inch	2,17	4,09	-	1,61		0,47	0,63	lb	0,24	
QC PP 25S MALE		MPa	25	mm	-	90,5	34,34	41	M36X2	16	20	kg	0,56	NC11H050001
		Psi	3625	inch	-	3,56	1,35	1,61		0,63	0,79	lb	1,23	
QC PP 25S FEMALE		MPa	25	mm	55	106	-	41	M36X2	16	20	kg	0,123	NC12H050001
		Psi	3625	inch	2,17	4,17	-	1,61		0,63	0,79	lb	0,27	
QC PP 30S MALE		MPa	25	mm	-	92,5	34,34	46	M42X2	12	16	kg	0,6	NC11H050002
		Psi	3625	inch	-	3,64	1,35	1,81		0,47	0,63	lb	1,32	
QC PP 30S FEMALE		MPa	25	mm	55	108	-	46	M42X2	12	16	kg	0,25	NC12H050002
		Psi	3625	inch	2,17	4,25	-	1,81		0,47	0,63	lb	0,55	

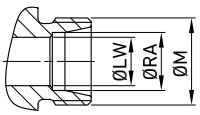


QUICK COUPLINGS PUSH-PULL (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353)
Interchangeable according to ISO 7241-A

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC PP 6L MALE	10	MPa	42	mm	-	50	17,3	24	M12X1,5	4	6	kg	0,07	NC11L020002
		Psi	6090	inch	-	1,97	0,68	0,94		0,16	0,24	lb	0,15	
QC PP 6L FEMALE		MPa	42	mm	32	61	-	24	M12X1,5	4	6	kg	0,25	NC12L020002
		Psi	6090	inch	1,26	2,40	-	0,94		0,16	0,24	lb	0,55	
QC PP 8L MALE		MPa	42	mm	-	50	17,3	24	M14X1,5	6	8	kg	0,13	NC11L020000
		Psi	6090	inch	-	1,97	0,68	0,94		0,24	0,31	lb	0,29	
QC PP 8L FEMALE		MPa	42	mm	32	61	-	24	M14X1,5	6	8	kg	0,253	NC12L020000
		Psi	6090	inch	1,26	2,40	-	0,94		0,24	0,31	lb	0,56	
QC PP 10L MALE		MPa	42	mm	-	51	17,3	24	M16X1,5	8	10	kg	0,15	NC11L020001
		Psi	6090	inch	-	2,01	0,68	0,94		0,31	0,39	lb	0,33	
QC PP 10L FEMALE		MPa	42	mm	32	62	-	24	M16X1,5	8	10	kg	0,255	NC12L020001
		Psi	6090	inch	1,26	2,44	-	0,94		0,31	0,39	lb	0,56	
QC PP 10L MALE	12,5	MPa	35	mm	-	56	20,5	27	M16X1,5	8	10	kg	0,16	NC11L030000
		Psi	5075	inch	-	2,20	0,81	1,06		0,31	0,39	lb	0,35	
QC PP 10L FEMALE		MPa	35	mm	38	63,5	-	27	M16X1,5	8	10	kg	0,24	NC12L030000
		Psi	5075	inch	1,50	2,50	-	1,06		0,31	0,39	lb	0,53	
QC PP 12L MALE		MPa	35	mm	-	56	20,5	27	M18X1,5	10	12	kg	0,169	NC11L030001
		Psi	5075	inch	-	2,20	0,81	1,06		0,39	0,47	lb	0,37	
QC PP 12L FEMALE		MPa	35	mm	38	63,5	-	27	M18X1,5	10	12	kg	0,254	NC12L030001
		Psi	5075	inch	1,50	2,50	-	1,06		0,39	0,47	lb	0,56	
QC PP 15L MALE		MPa	35	mm	-	57	20,5	27	M22X1,5	12	15	kg	0,17	NC11L030002
		Psi	5075	inch	-	2,24	0,81	1,06		0,47	0,59	lb	0,37	
QC PP 15L FEMALE		MPa	35	mm	38	64,5	-	27	M22X1,5	12	15	kg	0,26	NC12L030002
		Psi	5075	inch	1,50	2,54	-	1,06		0,47	0,59	lb	0,57	
QC PP 18L MALE		MPa	35	mm	-	57	20,5	27	M26X1,5	15	18	kg	0,179	NC11L030003
		Psi	5075	inch	-	2,24	0,81	1,06		0,59	0,71	lb	0,39	
QC PP 18L FEMALE		MPa	35	mm	38	64,5	-	27	M26X1,5	15	18	kg	0,263	NC12L030003
		Psi	5075	inch	1,50	2,54	-	1,06		0,59	0,71	lb	0,58	
QC PP 18L MALE	20	MPa	25	mm	-	62	29,1	34	M26X1,5	15	18	kg	0,25	NC11L040000
		Psi	3625	inch	-	2,44	1,15	1,34		0,59	0,71	lb	0,55	
QC PP 18L FEMALE		MPa	25	mm	47	77,5	-	34	M26X1,5	15	18	kg	0,52	NC12L040000
		Psi	3625	inch	1,85	3,05	-	1,34		0,59	0,71	lb	1,15	
QC PP 22L MALE		MPa	25	mm	-	64	29,1	34	M30X2	19	22	kg	0,27	NC11L040001
		Psi	3625	inch	-	2,52	1,15	1,34		0,75	0,87	lb	0,60	
QC PP 22L FEMALE		MPa	25	mm	47	79,5	-	34	M30X2	19	22	kg	0,55	NC12L040001
		Psi	3625	inch	1,85	3,13	-	1,34		0,75	0,87	lb	1,21	
QC PP 22L MALE	25	MPa	25	mm	-	86,5	34,34	41	M30X2	19	22	kg	0,4	NC11L050000
		Psi	3625	inch	-	3,41	1,35	1,61		0,75	0,87	lb	0,88	
QC PP 22L FEMALE		MPa	25	mm	55	102	-	41	M30X2	19	22	kg	0,89	NC12L050000
		Psi	3625	inch	2,17	4,02	-	1,61		0,75	0,87	lb	1,96	
QC PP 28L MALE		MPa	25	mm	-	86,5	34,34	41	M36X2	24	28	kg	0,45	NC11L050001
		Psi	3625	inch	-	3,41	1,35	1,61		0,94	1,10	lb	0,99	
QC PP 28L FEMALE		MPa	25	mm	55	102	-	41	M36X2	24	28	kg	0,895	NC12L050001
		Psi	3625	inch	2,17	4,02	-	1,61		0,94	1,10	lb	1,97	
QC PP 35L MALE		MPa	25	mm	-	88,5	34,34	46	M45X2	30	35	kg	0,5	NC11L050002
		Psi	3625	inch	-	3,48	1,35	1,81		1,18	1,38	lb	1,10	
QC PP 35L FEMALE		MPa	25	mm	55	104	-	46	M45X2	30	35	kg	0,9	NC12L050002
		Psi	3625	inch	2,17	4,09	-	1,81		1,18	1,38	lb	1,98	

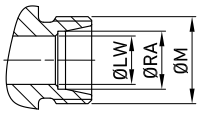
The company reserves the right to operate dimensional changes without prior notice.



QUICK COUPLINGS PUSH-PULL (male / female)
MALE THREAD METRIC ISO 8434-1-S (DIN 2353) BULKHEAD
Interchangeable according to ISO 7241-A

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC PP 10S BK MALE	12,5	MPa	35	mm	-	72	20,5	27	M18X1,5	7	10	kg	0,169	NC11I030000
		Psi	5075	inch	-	2,83	0,81	1,06		0,28	0,39	lb	0,37	
QC PP 10S BK FEMALE		MPa	35	mm	38	79,5	-	27	M18X1,5	7	10	kg	0,3	NC12I030000
		Psi	5075	inch	1,50	3,13	-	1,06		0,28	0,39	lb	0,66	
QC PP 12S BK MALE		MPa	35	mm	-	72	20,5	27	M20X1,5	8	12	kg	0,16	NC11I030001
		Psi	5075	inch	-	2,83	0,81	1,06		0,31	0,47	lb	0,35	
QC PP 12S BK FEMALE		MPa	35	mm	38	79,5	-	27	M20X1,5	8	12	kg	0,32	NC12I030001
		Psi	5075	inch	1,50	3,13	-	1,06		0,31	0,47	lb	0,71	
QC PP 16S BK MALE		MPa	35	mm	-	74	20,5	27	M24X1,5	12	16	kg	0,172	NC11I030002
		Psi	5075	inch	-	2,91	0,81	1,06		0,47	0,63	lb	0,38	
QC PP 16S BK FEMALE		MPa	35	mm	38	81,5	-	27	M24X1,5	12	16	kg	0,33	NC12I030002
		Psi	5075	inch	1,50	3,21	-	1,06		0,47	0,63	lb	0,73	
QC PP 16S BK MALE	20	MPa	25	mm	-	79	29,1	34	M24X1,5	12	16	kg	0,27	NC11I040000
		Psi	3625	inch	-	3,11	1,15	1,34		0,47	0,63	lb	0,60	
QC PP 16S BK FEMALE		MPa	25	mm	47	94,5	-	34	M24X1,5	12	16	kg	0,57	NC12I040000
		Psi	3625	inch	1,85	3,72	-	1,34		0,47	0,63	lb	1,26	
QC PP 20S BK MALE		MPa	25	mm	-	77	29,1	34	M30X2	16	20	kg	0,29	NC11I040001
		Psi	3625	inch	-	3,03	1,15	1,34		0,63	0,79	lb	0,64	
QC PP 20S BK FEMALE		MPa	25	mm	47	92,5	-	34	M30X2	16	20	kg	0,6	NC12I040001
		Psi	3625	inch	1,85	3,64	-	1,34		0,63	0,79	lb	1,32	
QC PP 20S BK MALE	25	MPa	25	mm	-	110,5	34,34	41	M30X2	16	20	kg	0,52	NC11I050000
		Psi	3625	inch	-	4,35	1,35	1,61		0,63	0,79	lb	1,15	
QC PP 20S BK FEMALE		MPa	25	mm	55	126	-	41	M30X2	16	20	kg	1,023	NC12I050000
		Psi	3625	inch	2,17	4,96	-	1,61		0,63	0,79	lb	2,26	
QC PP 25S BK MALE		MPa	25	mm	-	110,5	34,34	41	M36X2	20	25	kg	0,55	NC11I050001
		Psi	3625	inch	-	4,35	1,35	1,61		0,79	0,98	lb	1,21	
QC PP 25S BK FEMALE		MPa	25	mm	55	126	-	41	M36X2	20	25	kg	1,12	NC12I050001
		Psi	3625	inch	2,17	4,96	-	1,61		0,79	0,98	lb	2,47	
QC PP 30S BK MALE		MPa	25	mm	-	112,5	34,34	41	M42X2	25	30	kg	0,62	NC11I050002
		Psi	3625	inch	-	4,43	1,35	1,61		0,98	1,18	lb	1,37	
QC PP 30S BK FEMALE		MPa	25	mm	55	128	-	41	M42X2	25	30	kg	1,22	NC12I050002
		Psi	3625	inch	2,17	5,04	-	1,61		0,98	1,18	lb	2,69	



QUICK COUPLINGS PUSH-PULL (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353) BULKHEAD
Interchangeable according to ISO 7241-A

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC PP 8L BK MALE	10	MPa	42	mm	-	65	17,3	24	M14X1,5	6	8	kg	0,12	NC11M020000
		Psi	6090	inch	-	2,56	0,68	0,94		0,24	0,31	lb	0,26	
QC PP 8L BK FEMALE		MPa	42	mm	32	76	-	24	M14X1,5	6	8	kg	0,321	NC12M020000
		Psi	6090	inch	1,26	2,99	-	0,94		0,24	0,31	lb	0,71	
QC PP 10L BK MALE		MPa	42	mm	-	66	17,3	24	M16X1,5	8	10	kg	0,145	NC11M020001
		Psi	6090	inch	-	2,60	0,68	0,94		0,31	0,39	lb	0,32	
QC PP 10L BK FEMALE		MPa	42	mm	32	77	-	24	M16X1,5	8	10	kg	0,33	NC12M020001
		Psi	6090	inch	1,26	3,03	-	0,94		0,31	0,39	lb	0,73	
QC PP 10L BK MALE	12,5	MPa	35	mm	-	71	20,5	27	M16X1,5	8	10	kg	0,149	NC11M030000
		Psi	5075	inch	-	2,80	0,81	1,06		0,31	0,39	lb	0,33	
QC PP 10L BK FEMALE		MPa	35	mm	38	78,5	-	27	M16X1,5	8	10	kg	0,3	NC12M030000
		Psi	5075	inch	1,50	3,09	-	1,06		0,31	0,39	lb	0,66	
QC PP 12L BK MALE		MPa	35	mm	-	72	20,5	27	M18X1,5	10	12	kg	0,15	NC11M030001
		Psi	5075	inch	-	2,83	0,81	1,06		0,39	0,47	lb	0,33	
QC PP 12L BK FEMALE		MPa	35	mm	38	79,5	-	27	M18X1,5	10	12	kg	0,3	NC12M030001
		Psi	5075	inch	1,50	3,13	-	1,06		0,39	0,47	lb	0,66	
QC PP 15L BK MALE		MPa	35	mm	-	72	20,5	27	M22X1,5	12	15	kg	0,16	NC11M030002
		Psi	5075	inch	-	2,83	0,81	1,06		0,47	0,59	lb	0,35	
QC PP 15L BK FEMALE		MPa	35	mm	38	79,5	-	27	M22X1,5	12	15	kg	0,31	NC12M030002
		Psi	5075	inch	1,50	3,13	-	1,06		0,47	0,59	lb	0,68	
QC PP 18L BK MALE		MPa	35	mm	-	72	20,5	27	M26X1,5	15	18	kg	0,175	NC11M030003
		Psi	5075	inch	-	2,83	0,81	1,06		0,59	0,71	lb	0,39	
QC PP 18L BK FEMALE		MPa	35	mm	38	79,5	-	27	M26X1,5	15	18	kg	0,33	NC12M030003
		Psi	5075	inch	1,50	3,13	-	1,06		0,59	0,71	lb	0,73	
QC PP 15L BK MALE	20	MPa	25	mm	-	77	29,1	34	M22X1,5	12	15	kg	0,252	NC11M040000
		Psi	3625	inch	-	3,03	1,15	1,34		0,47	0,59	lb	0,56	
QC PP 15L BK FEMALE		MPa	25	mm	47	92,5	-	34	M22X1,5	12	15	kg	0,55	NC12M040000
		Psi	3625	inch	1,85	3,64	-	1,34		0,47	0,59	lb	1,21	
QC PP 18L BK MALE		MPa	25	mm	-	77	29,1	34	M26X1,5	15	18	kg	0,246	NC11M040002
		Psi	3625	inch	-	3,03	1,15	1,34		0,59	0,71	lb	0,54	
QC PP 18L BK FEMALE		MPa	25	mm	47	92,5	-	34	M26X1,5	15	18	kg	0,56	NC12M040002
		Psi	3625	inch	1,85	3,64	-	1,34		0,59	0,71	lb	1,23	
QC PP 22L BK MALE		MPa	25	mm	-	84	29,1	34	M30X2	19	22	kg	0,298	NC11M040001
		Psi	3625	inch	-	3,31	1,15	1,34		0,75	0,87	lb	0,66	
QC PP 22L BK FEMALE		MPa	25	mm	47	99,5	-	34	M30X2	19	22	kg	0,6	NC12M040001
		Psi	3625	inch	1,85	3,92	-	1,34		0,75	0,87	lb	1,32	
QC PP 22L BK MALE	25	MPa	25	mm	-	106,5	34,34	41	M30X2	19	22	kg	0,55	NC11M050000
		Psi	3625	inch	-	4,19	1,35	1,61		0,75	0,87	lb	1,21	
QC PP 22L BK FEMALE		MPa	25	mm	55	122	-	41	M30X2	19	22	kg	0,98	NC12M050000
		Psi	3625	inch	2,17	4,80	-	1,61		0,75	0,87	lb	2,16	
QC PP 28L BK MALE		MPa	25	mm	-	106,5	34,34	41	M36X2	24	28	kg	0,569	NC11M050001
		Psi	3625	inch	-	4,19	1,35	1,61		0,94	1,10	lb	1,25	
QC PP 28L BK FEMALE		MPa	25	mm	55	122	-	41	M36X2	24	28	kg	1	NC12M050001
		Psi	3625	inch	2,17	4,80	-	1,61		0,94	1,10	lb	2,20	

The company reserves the right to operate dimensional changes without prior notice.



DV

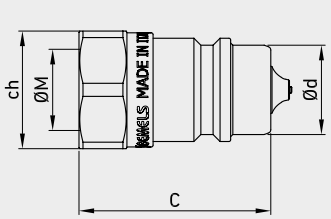
QUICK COUPLINGS

Edition. 21.0

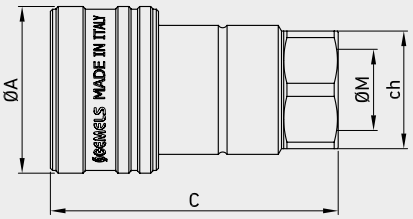
CS Carbon Steel

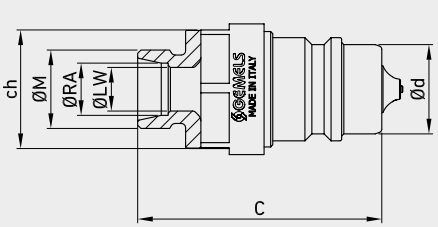
- Type: Quick Couplings
- Models: ISO 7241/A PUSH-PULL
- Sizes: from DN13 up to DN20
- Pressure: up to PN350

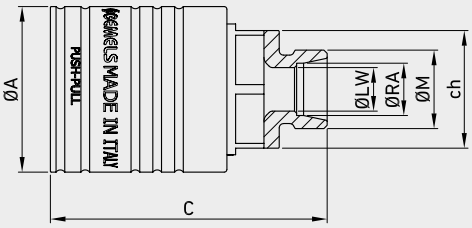
Male



Female











CODE DESCRIPTION STRUCTURE

QC	1/2	1M/F	DN12,5	1	B

Type of coupling
DV

Ends

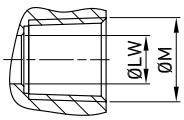
ISO A			PUSH-PULL			
ISO 1179-1 BSPP	**ASME B1.20.1 NPT**	**ISO 11926-1 (SAE J1926-1) ORB**	**ISO 8434-1-S (DIN 2353)**	**ISO 8434-1-L (DIN 2353)**	**ISO 8434-1-S (DIN 2353) BULKHEAD**	**ISO 8434-1-L (DIN 2353) BULKHEAD**
G 1/2	N 1/2	SAE 8	12S	10L	10S	10L
G 3/4	N 3/4	SAE12	16S	12L	12S	12L
			20S	15L	16S	15L
				18L		18L
				22L		22L

MALE
FEMALE

DN/ISO
12,5
20

Body Material
● **1** = 1,0737

Seal material
B = NBR **E** = FKM*



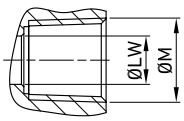


***Push-Pull design on request**

QUICK COUPLINGS ISO 7241/A WITH POPPET WITH DECOMPRESSION VALVE (male / female) FEMALE THREAD ISO 1179-1 BSPP Interchangeable according to ISO 7241-A

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		ITEM CODE
QC DV G 1/2 MALE	12,5	MPa	35	mm	-	44	20,5	27	G1/2	kg	0,0924	NC23G030000
		Psi	5075	inch	-	1,73	0,81	1,06		lb	0,20	
QC DV G 1/2 FEMALE		MPa	35	mm	38,25	66	-	27	G1/2	kg	0,227	NC24G030000
		Psi	5075	inch	1,51	2,60	-	1,06		lb	0,50	
QC DV G 3/4 MALE	20	MPa	25	mm	-	55,5	29,1	34	G3/4	kg	0,2	NC23G040000
		Psi	3625	inch	-	2,19	1,15	1,34		lb	0,44	
QC DV G 3/4 FEMALE		MPa	25	mm	48	83	-	34	G3/4	kg	0,49	NC24G040000
		Psi	3625	inch	1,89	3,27	-	1,34		lb	1,08	



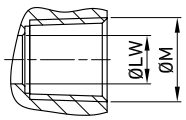


***Push-Pull design on request**

QUICK COUPLINGS ISO 7241/A WITH POPPET WITH DECOMPRESSION VALVE (male / female) FEMALE THREAD ASME B1.20.1 NPT Interchangeable according to ISO 7241-A

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		ITEM CODE
QC DV N 1/2 MALE	12,5	MPa	35	mm	-	44	20,5	27	N1/2	kg	0,0924	NC23N030000
		Psi	5075	inch	-	1,73	0,81	1,06		lb	0,20	
QC DV N 1/2 FEMALE		MPa	35	mm	38,25	66	-	27	N1/2	kg	0,227	NC24N030000
		Psi	5075	inch	1,51	2,60	-	1,06		lb	0,50	
QC DV N 3/4 MALE	20	MPa	25	mm	-	55,5	29,1	34	N3/4	kg	0,2	NC23N040000
		Psi	3625	inch	-	2,19	1,15	1,34		lb	0,44	
QC DV N 3/4 FEMALE		MPa	25	mm	48	83	-	34	N3/4	kg	0,49	NC24N040000
		Psi	3625	inch	1,89	3,27	-	1,34		lb	1,08	

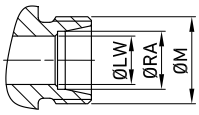




***Push-Pull design on request**

QUICK COUPLINGS ISO 7241/A
WITH POPPET WITH DECOMPRESSION VALVE (male / female)
FEMALE THREAD ISO 11926-1 (SAE J1926-1) ORB
Interchangeable according to ISO 7241-A

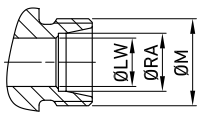
TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		CS Carbon Steel ITEM CODE
QC DV SAE8 MALE	12,5	MPa	35	mm	-	44	20,5	27	SAE8	kg	0,0924	NC23S030000
		Psi	5075	inch	-	1,73	0,81	1,06		lb	0,20	
QC DV SAE8 FEMALE		MPa	35	mm	38,25	66	-	27	SAE8	kg	0,227	NC24S030000
		Psi	5075	inch	1,51	2,60	-	1,06		lb	0,50	
QC DV SAE12 MALE	20	MPa	25	mm	-	55,5	29,1	34	SAE12	kg	0,2	NC23S040000
		Psi	3625	inch	-	2,19	1,15	1,34		lb	0,44	
QC DV SAE12 FEMALE		MPa	25	mm	48	83	-	34	SAE12	kg	0,49	NC24S040000
		Psi	3625	inch	1,89	3,27	-	1,34		lb	1,08	



QUICK COUPLINGS PUSH-PULL WITH DECOMPRESSION VALVE (male / female) MALE THREAD METRIC ISO 8434-1-S (DIN 2353) Interchangeable according to ISO 7241-A

CS Carbon Steel

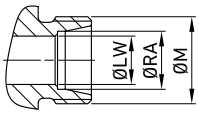
TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC DV 12S MALE	12,5	MPa	35	mm	-	57	20,5	27	M20X1,5	8	12	kg	0,135	NC23H030000
		Psi	5075	inch	0-00	2,24	0,81	1,06		0,31	0,47	lb	0,30	
QC DV 12S FEMALE		MPa	35	mm	38	64,5	-	27	M20X1,5	8	12	kg	0,28	NC24H030000
		Psi	5075	inch	1,50	2,54	-	1,06		0,31	0,47	lb	0,62	
QC DV 16S MALE		MPa	35	mm	-	59	20,5	27	M24X1,5	12	16	kg	0,157	NC23H030001
		Psi	5075	inch	-	2,32	0,81	1,06		0,47	0,63	lb	0,35	
QC DV 16S FEMALE		MPa	35	mm	38	66,5	-	27	M24X1,5	12	16	kg	0,284	NC24H030001
		Psi	5075	inch	1,50	2,62	-	1,06		0,47	0,63	lb	0,63	
QC DV 16S MALE	20	MPa	25	mm	-	64	29	34	M24X1,5	12	16	kg	0,251	NC23H040000
		Psi	3625	inch	-	2,52	1,14	1,34		0,47	0,63	lb	0,55	
QC DV 16S FEMALE		MPa	25	mm	47	79,5	-	34	M24X1,5	12	16	kg	0,51	NC24H040000
		Psi	3625	inch	1,85	3,13	-	1,34		0,47	0,63	lb	1,12	
QC DV 20S MALE		MPa	25	mm	-	66	29	34	M30X2	16	20	kg	0,26	NC23H040001
		Psi	3625	inch	-	2,60	1,14	1,34		0,63	0,79	lb	0,57	
QC DV 20S FEMALE		MPa	25	mm	47	81,5	-	34	M30X2	16	20	kg	0,53	NC24H040001
		Psi	3625	inch	1,85	3,21	-	1,34		0,63	0,79	lb	1,17	



QUICK COUPLINGS PUSH-PULL WITH DECOMPRESSION VALVE (male / female) MALE THREAD METRIC ISO 8434-1-L (DIN 2353) Interchangeable according to ISO 7241-A

CS Carbon Steel

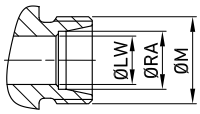
TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC DV 10L MALE	12,5	MPa	35	mm	-	56	20,5	27	M16X1,5	8	10	kg	0,16	NC23L030000
		Psi	5075	inch	-	2,20	0,81	1,06		0,31	0,39	lb	0,35	
QC DV 10L FEMALE		MPa	35	mm	38	63,5	-	27	M16X1,5	8	10	kg	0,24	NC24L030000
		Psi	5075	inch	1,50	2,50	-	1,06		0,31	0,39	lb	0,53	
QC DV 12L MALE		MPa	35	mm	-	56	20,5	27	M18X1,5	10	12	kg	0,169	NC23L030001
		Psi	5075	inch	-	2,20	0,81	1,06		0,39	0,47	lb	0,37	
QC DV 12L FEMALE		MPa	35	mm	38	63,5	-	27	M18X1,5	10	12	kg	0,254	NC24L030001
		Psi	5075	inch	1,50	2,50	-	1,06		0,39	0,47	lb	0,56	
QC DV 15L MALE		MPa	35	mm	-	57	20,5	27	M22X1,5	12	15	kg	0,17	NC23L030002
		Psi	5075	inch	-	2,24	0,81	1,06		0,47	0,59	lb	0,37	
QC DV 15L FEMALE		MPa	35	mm	38	64,5	-	27	M22X1,5	12	15	kg	0,26	NC24L030002
		Psi	5075	inch	1,50	2,54	-	1,06		0,47	0,59	lb	0,57	
QC DV 18L MALE		MPa	35	mm	-	57	20,5	27	M26X1,5	15	18	kg	0,179	NC23L030003
		Psi	5075	inch	-	2,24	0,81	1,06		0,59	0,71	lb	0,39	
QC DV 18L FEMALE		MPa	35	mm	38	64,5	-	27	M26X1,5	15	18	kg	0,263	NC24L030003
		Psi	5075	inch	1,50	2,54	-	1,06		0,59	0,71	lb	0,58	
QC DV 18L MALE	20	MPa	25	mm	-	62	29,1	34	M26X1,5	15	18	kg	0,25	NC23L040000
		Psi	3625	inch	-	2,44	1,15	1,34		0,59	0,71	lb	0,55	
QC DV 18L FEMALE		MPa	25	mm	47	77,5	-	34	M26X1,5	15	18	kg	0,52	NC24L040000
		Psi	3625	inch	1,85	3,05	-	1,34		0,59	0,71	lb	1,15	
QC DV 22L MALE		MPa	25	mm	-	64	29,1	34	M30X2	19	22	kg	0,27	NC23L040001
		Psi	3625	inch	-	2,52	1,15	1,34		0,75	0,87	lb	0,60	
QC DV 22L FEMALE		MPa	25	mm	47	79,5	-	34	M30X2	19	22	kg	0,55	NC24L040001
		Psi	3625	inch	1,85	3,13	-	1,34		0,75	0,87	lb	1,21	



QUICK COUPLINGS PUSH-PULL
WITH DECOMPRESSION VALVE (male / female)
MALE THREAD METRIC ISO 8434-1-S (DIN 2353) BULKHEAD
Interchangeable according to ISO 7241-A

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC DV 10S BK MALE	12,5	MPa	35	mm	-	72	20,5	27	M18X1,5	7	10	kg	0,169	NC23I030000
		Psi	5075	inch	-	2,83	0,81	1,06		0,28	0,39	lb	0,37	
QC DV 10S BK FEMALE		MPa	35	mm	38	79,5	-	27	M18X1,5	7	10	kg	0,3	NC24I030000
		Psi	5075	inch	1,50	3,13	-	1,06		0,28	0,39	lb	0,66	
QC DV 12S BK MALE		MPa	35	mm	-	72	20,5	27	M20X1,5	8	12	kg	0,16	NC23I030001
		Psi	5075	inch	-	2,83	0,81	1,06		0,31	0,47	lb	0,35	
QC DV 12S BK FEMALE		MPa	35	mm	38	79,5	-	27	M20X1,5	8	12	kg	0,32	NC24I030001
		Psi	5075	inch	1,50	3,13	-	1,06		0,31	0,47	lb	0,71	
QC DV 16S BK MALE	20	MPa	25	mm	-	79	29,1	34	M24X1,5	12	16	kg	0,27	NC23I040000
		Psi	3625	inch	-	3,11	1,15	1,34		0,47	0,63	lb	0,60	
QC DV 16S BK FEMALE		MPa	25	mm	47	94,5	-	34	M24X1,5	12	16	kg	0,57	NC24I040000
		Psi	3625	inch	1,85	3,72	-	1,34		0,47	0,63	lb	1,26	



QUICK COUPLINGS PUSH-PULL WITH DECOMPRESSION VALVE (male / female) MALE THREAD METRIC ISO 8434-1-L (DIN 2353) BULKHEAD Interchangeable according to ISO 7241-A

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC DV 10L BK MALE	12,5	MPa	35	mm		71	20,5	27	M16X1,5	8	10	kg	0,149	NC23M030000
		Psi	5075	inch	0,00	2,80	0,81	1,06		0,31	0,39	lb	0,33	
QC DV 10L BK FEMALE		MPa	35	mm	38	78,5		27	M16X1,5	8	10	kg	0,3	NC24M030000
		Psi	5075	inch	1,50	3,09	0,00	1,06		0,31	0,39	lb	0,66	
QC DV 12L BK MALE		MPa	35	mm		72	20,5	27	M18X1,5	10	12	kg	0,15	NC23M030001
		Psi	5075	inch	0,00	2,83	0,81	1,06		0,39	0,47	lb	0,33	
QC DV 12L BK FEMALE		MPa	35	mm	38	79,5		27	M18X1,5	10	12	kg	0,3	NC24M030001
		Psi	5075	inch	1,50	3,13	0,00	1,06		0,39	0,47	lb	0,66	
QC DV 15L BK MALE		MPa	35	mm		72	20,5	27	M22X1,5	12	15	kg	0,16	NC23M030002
		Psi	5075	inch	0,00	2,83	0,81	1,06		0,47	0,59	lb	0,35	
QC DV 15L BK FEMALE		MPa	35	mm	38	79,5		27	M22X1,5	12	15	kg	0,31	NC24M030002
		Psi	5075	inch	1,50	3,13	0,00	1,06		0,47	0,59	lb	0,68	
QC DV 18L BK MALE		MPa	35	mm		72	20,5	27	M26X1,5	15	18	kg	0,175	NC23M030003
		Psi	5075	inch	0,00	2,83	0,81	1,06		0,59	0,71	lb	0,39	
QC DV 18L BK FEMALE		MPa	35	mm	38	79,5		27	M26X1,5	15	18	kg	0,33	NC24M030003
		Psi	5075	inch	1,50	3,13	0,00	1,06		0,59	0,71	lb	0,73	
QC DV 15L BK MALE	20	MPa	25	mm		77	29,1	34	M22X1,5	12	15	kg	0,252	NC23M040000
		Psi	3625	inch	0,00	3,03	1,15	1,34		0,47	0,59	lb	0,56	
QC DV 15L BK FEMALE		MPa	25	mm	47	92,5		34	M22X1,5	12	15	kg	0,55	NC24M040000
		Psi	3625	inch	1,85	3,64	0,00	1,34		0,47	0,59	lb	1,21	
QC DV 22L BK MALE		MPa	25	mm		84	29,1	34	M30X2	19	22	kg	0,298	NC23M040001
		Psi	3625	inch	0,00	3,31	1,15	1,34		0,75	0,87	lb	0,66	
QC DV 22L BK FEMALE		MPa	25	mm	47	99,5		34	M30X2	19	22	kg	0,6	NC24M040001
		Psi	3625	inch	1,85	3,92	0,00	1,34		0,75	0,87	lb	1,32	

ISO B

QUICK COUPLINGS

Edition. 21.2

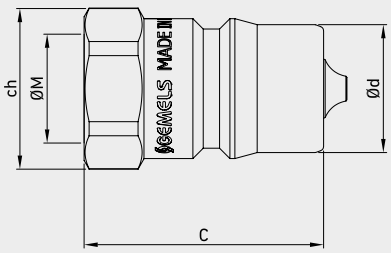
CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 7241/B
- Sizes: from DN6 to DN50
- Pressure: up to PN420

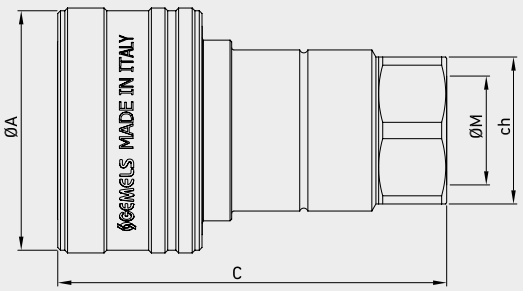
SS Stainless Steel

- Type: Quick Couplings
- Models: ISO 7241/B
- Sizes: from DN6 to DN50
- Pressure: up to PN300

Male

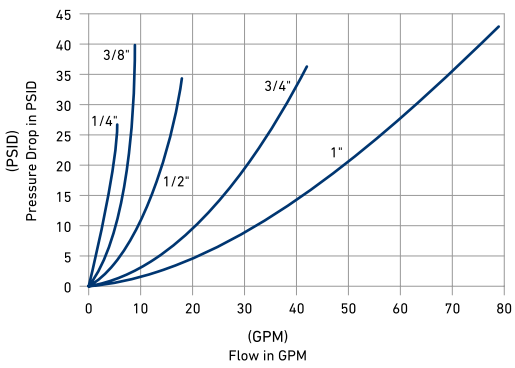


Female



Available also in patented version: ball valve with integrated quick coupling.

Performance
(1/4", 3/8", 1/2", 3/4", 1")
Series (1/4", 3/8", 1/2", 3/4", 1")
200SUS (Test Fluid: Oil-200SUS)



1 GPM = 3.78 l/min

1 PSID = 0.0069 MPa





CODE DESCRIPTION STRUCTURE

QC	G1/2	M/F	DN12,5	1	B

Type of coupling
ISO 7241/B

Ends

ISO 1179-1 BSPP	ASME B1.20.1 NPT	ISO 11926-1 (SAE J1926-1) ORB	Carbon steel	Stainless steel
G 1/8	N 1/8	SAE4		
G 1/4	N 1/4	SAE6		
G 3/8	N 3/8	SAE8		
G 1/2	N 1/2	SAE12		
G 3/4	N 3/4	SAE16		
G 1	N 1	SAE20		
G 1 1/2	N 1 1/2	SAE24		
G 2	N 2	SAE32		

MALE
FEMALE

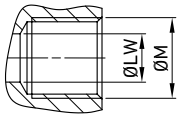
DN/ISO

	Carbon steel	Stainless steel
5		
6,3		
10		
12,5		
20		
25		
40		
50		

Body Material
● **1** = 1,0737
● **4** = 1,4404

Seal material
● **B** = NBR **E** = FKM*
● **E** = FKM

*On request
- Cups
- Plugs



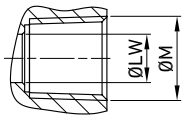
QUICK COUPLINGS ISO 7241/B (male / female)
MALE THREAD METRIC ISO 1179-1 BSPP WITH POPPET

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC ISO B G 1/4 MALE	6.3	MPa	42	mm -	35,5	14,2	19	G1/4	kg 0,036	NC03G010000
		Psi	6090	inch -	1,40	0,56	0,75		lb 0,08	
QC ISO B G 1/4 FEMALE		MPa	42	mm 28,5	56	-	19	G1/4	kg 0,128	NC04G010000
		Psi	6090	inch 1,12	2,20	-	0,75		lb 0,28	
QC ISO B G 3/8 MALE	10	MPa	42	mm -	39	19,05	22	G3/8	kg 0,07	NC03G020000
		Psi	6090	inch -	1,54	0,75	0,87		lb 0,15	
QC ISO B G 3/8 FEMALE		MPa	42	mm 35	63	-	22	G3/8	kg 0,217	NC04G020000
		Psi	6090	inch 1,38	2,48	-	0,87		lb 0,48	
QC ISO B G 1/2 MALE	12,5	MPa	42	mm -	44	23,5	27	G1/2	kg 0,11	NC03G030000
		Psi	6090	inch -	1,73	0,93	1,06		lb 0,24	
QC ISO B G 1/2 FEMALE		MPa	42	mm 45	71,5	-	27	G1/2	kg 0,36	NC04G030000
		Psi	6090	inch 1,77	2,81	-	1,06		lb 0,79	
QC ISO B G 3/4 MALE	20	MPa	25	mm -	55,5	31,45	36	G3/4	kg 0,22	NC03G040000
		Psi	3625	inch -	2,19	1,24	1,42		lb 0,49	
QC ISO B G 3/4 FEMALE		MPa	25	mm 55	90	-	36	G3/4	kg 0,668	NC04G040000
		Psi	3625	inch 2,17	3,54	-	1,42		lb 1,47	
QC ISO B G 1 MALE	25	MPa	25	mm -	66	37,8	41	G1	kg 0,3466	NC03G050000
		Psi	3625	inch -	2,60	1,49	1,61		lb 0,76	
QC ISO B G 1 FEMALE		MPa	25	mm 63	106	-	41	G1	kg 1,005	NC04G050000
		Psi	3625	inch 2,48	4,17	-	1,61		lb 2,22	

ABOVE 1": *ON REQUEST

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC ISO B G 1/8 MALE	5	MPa	30	mm -	31	10,8	14	G1/8	kg 0,02	NC03G000001
		Psi	4350	inch -	1,22	0,43	0,55		lb 0,04	
QC ISO B G 1/8 FEMALE		MPa	30	mm 24	50	-	14	G1/8	kg 0,07	NC04G000001
		Psi	4350	inch 0,94	1,97	-	0,55		lb 0,15	
QC ISO B G 1/4 MALE	6.3	MPa	30	mm -	37	14,1	19	G1/4	kg 0,036	NC03G010001
		Psi	4350	inch -	1,46	0,56	0,75		lb 0,08	
QC ISO B G 1/4 FEMALE		MPa	30	mm 28	58,5	-	19	G1/4	kg 0,128	NC04G010001
		Psi	4350	inch 1,10	2,30	-	0,75		lb 0,28	
QC ISO B G 3/8 MALE	10	MPa	25	mm -	39	19	22	G3/8	kg 0,07	NC03G020001
		Psi	3625	inch -	1,54	0,75	0,87		lb 0,15	
QC ISO B G 3/8 FEMALE		MPa	25	mm 35	64	-	22	G3/8	kg 0,217	NC04G020001
		Psi	3625	inch 1,38	2,52	-	0,87		lb 0,48	
QC ISO B G 1/2 MALE	12,5	MPa	25	mm -	45,5	23,5	27	G1/2	kg 0,11	NC03G030001
		Psi	3625	inch -	1,79	0,93	1,06		lb 0,24	
QC ISO B G 1/2 FEMALE		MPa	25	mm 42	73	-	27	G1/2	kg 0,36	NC04G030001
		Psi	3625	inch 1,65	2,87	-	1,06		lb 0,79	
QC ISO B G 3/4 MALE	20	MPa	25	mm -	54	31,4	36	G3/4	kg 0,22	NC03G040001
		Psi	3625	inch -	2,13	1,24	1,42		lb 0,49	
QC ISO B G 3/4 FEMALE		MPa	25	mm 52	87,5	-	36	G3/4	kg 0,668	NC04G040001
		Psi	3625	inch 2,05	3,44	-	1,42		lb 1,47	
QC ISO B G 1 MALE	25	MPa	20	mm -	63	37,8	41	G1	kg 0,3466	NC03G050001
		Psi	2900	inch -	2,48	1,49	1,61		lb 0,76	
QC ISO B G 1 FEMALE		MPa	20	mm 60	103	-	41	G1	kg 1,005	NC04G050001
		Psi	2900	inch 2,36	4,06	-	1,61		lb 2,22	
QC ISO B G 1 1/4 MALE	31,5	MPa	14	mm -	126	44,5	65	G1 1/4	kg -	NC03G06S000
		Psi	2030	inch -	4,96	1,75	2,56		lb -	
QC ISO B G 1 1/4 FEMALE		MPa	14	mm 74,8	126	-	65	G1 1/4	kg -	NC04G06S000
		Psi	2030	inch 2,94	4,96	-	2,56		lb -	
QC ISO B G 1 1/2 MALE	40	MPa	14	mm -	126	44,5	65	G1 1/2	kg -	NC03G07S000
		Psi	2030	inch -	4,96	1,75	2,56		lb -	
QC ISO B G 1 1/2 FEMALE		MPa	14	mm 74,8	126	-	65	G1 1/2	kg -	NC04G07S000
		Psi	2030	inch 2,94	4,96	-	2,56		lb -	
QC ISO B G 2 MALE	50	MPa	9	mm -	142	63,2	90	G 2	kg -	NC03G08S000
		Psi	1305	inch -	5,59	2,49	3,54		lb -	
QC ISO B G 2 FEMALE		MPa	9	mm 105	142	-	90	G 2	kg -	NC04G08S000
		Psi	1305	inch 4,13	5,59	-	3,54		lb -	

The company reserves the right to operate dimensional changes without prior notice.

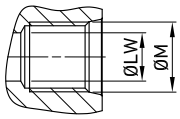


QUICK COUPLINGS ISO 7241/B (male / female)
FEMALE THREAD ASME B1.20.1 NPT WITH POPPET

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC ISO B N 1/4 MALE	6.3	MPa	42	mm -	35,5	14,2	19	N1/4	kg 0,036	NC03N010000
		Psi	6090	inch -	1,40	0,56	0,75		lb 0,08	
QC ISO B N 1/4 FEMALE		MPa	42	mm 28,5	56	-	19	N1/4	kg 0,128	NC04N010000
		Psi	6090	inch 1,12	2,20	-	0,75		lb 0,28	
QC ISO B N 3/8 MALE	10	MPa	42	mm -	39	19,05	22	N3/8	kg 0,07	NC03N020000
		Psi	6090	inch -	1,54	0,75	0,87		lb 0,15	
QC ISO B N 3/8 FEMALE		MPa	42	mm 35	63	-	22	N3/8	kg 0,217	NC04N020000
		Psi	6090	inch 1,38	2,48	-	0,87		lb 0,48	
QC ISO B N 1/2 MALE	12,5	MPa	42	mm -	44	23,5	27	N1/2	kg 0,11	NC03N030000
		Psi	6090	inch -	1,73	0,93	1,06		lb 0,24	
QC ISO B N 1/2 FEMALE		MPa	42	mm 45	71,5	-	27	N1/2	kg 0,36	NC04N030000
		Psi	6090	inch 1,77	2,81	-	1,06		lb 0,79	
QC ISO B N 3/4 MALE	20	MPa	25	mm -	55,5	31,45	36	N3/4	kg 0,22	NC03N040000
		Psi	3625	inch -	2,19	1,24	1,42		lb 0,49	
QC ISO B N 3/4 FEMALE		MPa	25	mm 55	90	-	36	N3/4	kg 0,668	NC04N040000
		Psi	3625	inch 2,17	3,54	-	1,42		lb 1,47	
QC ISO B N 1 MALE	25	MPa	25	mm -	66	37,8	41	N1	kg 0,3466	NC03N050000
		Psi	3625	inch -	2,60	1,49	1,61		lb 0,76	
QC ISO B N 1 FEMALE		MPa	25	mm 63	106	-	41	N1	kg 1,005	NC04N050000
		Psi	3625	inch 2,48	4,17	-	1,61		lb 2,22	

ABOVE 1": *ON REQUEST

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC ISO B N 1/8 MALE	5	MPa	30	mm -	31	10,8	14	N1/8	kg 0,02	NC03N00S000
		Psi	4350	inch -	1,22	0,43	0,55		lb 0,04	
QC ISO B N 1/8 FEMALE		MPa	30	mm 24	50	-	14	N1/8	kg 0,07	NC04N00S000
		Psi	4350	inch 0,94	1,97	-	0,55		lb 0,15	
QC ISO B N 1/4 MALE	6.3	MPa	30	mm -	37	14,1	19	N1/4	kg 0,036	NC03N01S000
		Psi	4350	inch -	1,46	0,56	0,75		lb 0,08	
QC ISO B N 1/4 FEMALE		MPa	30	mm 28	58,5	-	19	N1/4	kg 0,128	NC04N01S000
		Psi	4350	inch 1,10	2,30	-	0,75		lb 0,28	
QC ISO B N 3/8 MALE	10	MPa	25	mm -	39	19	22	N3/8	kg 0,07	NC03N02S000
		Psi	3625	inch -	1,54	0,75	0,87		lb 0,15	
QC ISO B N 3/8 FEMALE		MPa	25	mm 35	64	-	22	N3/8	kg 0,217	NC04N02S000
		Psi	3625	inch 1,38	2,52	-	0,87		lb 0,48	
QC ISO B N 1/2 MALE	12,5	MPa	25	mm -	45,5	23,5	27	N1/2	kg 0,11	NC03N03S000
		Psi	3625	inch -	1,79	0,93	1,06		lb 0,24	
QC ISO B N 1/2 FEMALE		MPa	25	mm 42	72	-	27	N1/2	kg 0,36	NC04N03S000
		Psi	3625	inch 1,65	2,83	-	1,06		lb 0,79	
QC ISO B N 3/4 MALE	20	MPa	25	mm -	54	31,4	36	N3/4	kg 0,22	NC03N04S000
		Psi	3625	inch -	2,13	1,24	1,42		lb 0,49	
QC ISO B N 3/4 FEMALE		MPa	25	mm 52	87,5	-	36	N3/4	kg 0,668	NC04N04S000
		Psi	3625	inch 2,05	3,44	-	1,42		lb 1,47	
QC ISO B N 1 MALE	25	MPa	20	mm -	63	37,8	41	N1	kg 0,3466	NC03N05S000
		Psi	2900	inch -	2,48	1,49	1,61		lb 0,76	
QC ISO B N 1 FEMALE		MPa	20	mm 60	103	-	41	N1	kg 1,005	NC04N05S000
		Psi	2900	inch 2,36	4,06	-	1,61		lb 2,22	
QC ISO B N 1 1/4 MALE	31,5	MPa	14	mm -	126	44,5	65	N1 1/4	kg -	NC03N06S000
		Psi	2030	inch -	4,96	1,75	2,56		lb -	
QC ISO B N 1 1/4 FEMALE		MPa	14	mm 74,8	126	-	65	N1 1/4	kg -	NC04N06S000
		Psi	2030	inch 2,94	4,96	-	2,56		lb -	
QC ISO B N 1 1/2 MALE	40	MPa	14	mm -	126	44,5	65	N1 1/2	kg -	NC03N07S000
		Psi	2030	inch -	4,96	1,75	2,56		lb -	
QC ISO B N 1 1/2 FEMALE		MPa	14	mm 74,8	126	-	65	N1 1/2	kg -	NC04N07S000
		Psi	2030	inch 2,94	4,96	-	2,56		lb -	
QC ISO B N 2 MALE	50	MPa	9	mm -	142	63,2	90	N 2	kg -	NC03N08S000
		Psi	1305	inch -	5,59	2,49	3,54		lb -	
QC ISO B N 2 FEMALE		MPa	9	mm 105	142	-	90	N 2	kg -	NC04N08S000
		Psi	1305	inch 4,13	5,59	-	3,54		lb -	



QUICK COUPLINGS ISO 7241/B (male / female)
FEMALE THREAD ISO 11926-1 (SAE J1926-1) ORB WITH POPPET

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC ISO B SAE4 MALE	6.3	MPa 42	mm	-	35,5	14,2	19	SAE4	kg 0,036	NC03S010000
		Psi 6090	inch	-	1,40	0,56	0,75		lb 0,08	
QC ISO B SAE4 FEMALE		MPa 42	mm	28,5	56	-	19	SAE4	kg 0,128	NC04S010000
		Psi 6090	inch	1,12	2,20	-	0,75		lb 0,28	
QC ISO B SAE6 MALE	10	MPa 42	mm	-	39	19,05	22	SAE6	kg 0,07	NC03S020000
		Psi 6090	inch	-	1,54	0,75	0,87		lb 0,15	
QC ISO B SAE6 FEMALE		MPa 42	mm	35	63	-	22	SAE6	kg 0,217	NC04S020000
		Psi 6090	inch	1,38	2,48	-	0,87		lb 0,48	
QC ISO B SAE8 MALE	12,5	MPa 42	mm	-	44	23,5	27	SAE8	kg 0,11	NC03S030000
		Psi 6090	inch	-	1,73	0,93	1,06		lb 0,24	
QC ISO B SAE8 FEMALE		MPa 42	mm	45	71,5	-	27	SAE8	kg 0,36	NC04S030000
		Psi 6090	inch	1,77	2,81	-	1,06		lb 0,79	
QC ISO B SAE12 MALE	20	MPa 25	mm	-	55,5	31,45	36	SAE12	kg 0,22	NC03S040000
		Psi 3625	inch	-	2,19	1,24	1,42		lb 0,49	
QC ISO B SAE12 FEMALE		MPa 25	mm	55	90	-	36	SAE12	kg 0,668	NC04S040000
		Psi 3625	inch	2,17	3,54	-	1,42		lb 1,47	
QC ISO B SAE16 MALE	25	MPa 25	mm	-	66	37,8	41	SAE16	kg 0,3466	NC03S050000
		Psi 3625	inch	-	2,60	1,49	1,61		lb 0,76	
QC ISO B SAE16 FEMALE		MPa 25	mm	63	106	-	41	SAE16	kg 1,005	NC04S050000
		Psi 3625	inch	2,48	4,17	-	1,61		lb 2,22	

ABOVE 1": *ON REQUEST

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC ISO B SAE4 MALE	6.3	MPa 30	mm	-	37	14,1	19	SAE4	kg 0,036	NC03S01S000
		Psi 4350	inch	-	1,46	0,56	0,75		lb 0,08	
QC ISO B SAE4 FEMALE		MPa 30	mm	28	58,5	-	19	SAE4	kg 0,128	NC04S01S000
		Psi 4350	inch	1,10	2,30	-	0,75		lb 0,28	
QC ISO B SAE6 MALE	10	MPa 25	mm	-	39	19	22	SAE6	kg 0,07	NC03S02S000
		Psi 3625	inch	-	1,54	0,75	0,87		lb 0,15	
QC ISO B SAE6 FEMALE		MPa 25	mm	35	64	-	22	SAE6	kg 0,217	NC04S02S000
		Psi 3625	inch	1,38	2,52	-	0,87		lb 0,48	
QC ISO B SAE8 MALE	12,5	MPa 25	mm	-	45,5	23,5	27	SAE8	kg 0,11	NC03S03S000
		Psi 3625	inch	-	1,79	0,93	1,06		lb 0,24	
QC ISO B SAE8 FEMALE		MPa 25	mm	42	72	-	27	SAE8	kg 0,36	NC04S03S000
		Psi 3625	inch	1,65	2,83	-	1,06		lb 0,79	
QC ISO B SAE12 MALE	20	MPa 25	mm	-	54	31,4	36	SAE12	kg 0,22	NC03S04S000
		Psi 3625	inch	-	2,13	1,24	1,42		lb 0,49	
QC ISO B SAE12 FEMALE		MPa 25	mm	52	87,5	-	36	SAE12	kg 0,668	NC04S04S000
		Psi 3625	inch	2,05	3,44	-	1,42		lb 1,47	
QC ISO B SAE16 MALE	25	MPa 20	mm	-	63	37,8	41	SAE16	kg 0,3466	NC03S05S000
		Psi 2900	inch	-	2,48	1,49	1,61		lb 0,76	
QC ISO B SAE16 FEMALE		MPa 20	mm	60	103	-	41	SAE16	kg 1,005	NC04S05S000
		Psi 2900	inch	2,36	4,06	-	1,61		lb 2,22	
QC ISO B SAE20 MALE	31,5	MPa 35	mm	-	126	44,5	65	SAE20	kg -	NC03S06S000
		Psi 5075	inch	-	4,96	1,75	2,56		lb -	
QC ISO B SAE20 FEMALE		MPa 35	mm	74,8	126	-	65	SAE20	kg -	NC04S06S000
		Psi 5075	inch	2,94	4,96	-	2,56		lb -	
QC ISO B SAE24 MALE	40	MPa 35	mm	-	126	44,5	65	SAE24	kg -	NC03S07S000
		Psi 5075	inch	-	4,96	1,75	2,56		lb -	
QC ISO B SAE24 FEMALE		MPa 35	mm	74,8	126	-	65	SAE24	kg -	NC04S07S000
		Psi 5075	inch	2,94	4,96	-	2,56		lb -	
QC ISO B SAE32 MALE	50	MPa 35	mm	-	142	63,2	90	SAE32	kg -	NC03S08S000
		Psi 5075	inch	-	5,59	2,49	3,54		lb -	
QC ISO B SAE32 FEMALE		MPa 35	mm	105	142	-	90	SAE32	kg -	NC04S08S000
		Psi 5075	inch	4,13	5,59	-	3,54		lb -	
QC ISO B G 2 MALE	50	MPa 9	mm	-	142	63,2	90	G 2	kg -	NC03G08S000
		Psi 1305	inch	-	5,59	2,49	3,54		lb -	
QC ISO B G 2 FEMALE		MPa 9	mm	105	142	-	90	G 2	kg -	NC04G08S000
		Psi 1305	inch	4,13	5,59	-	3,54		lb -	

The company reserves the right to operate dimensional changes without prior notice.



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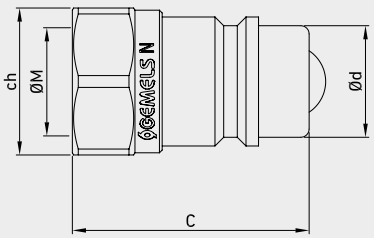
QUICK COUPLINGS

Edition. 21.1

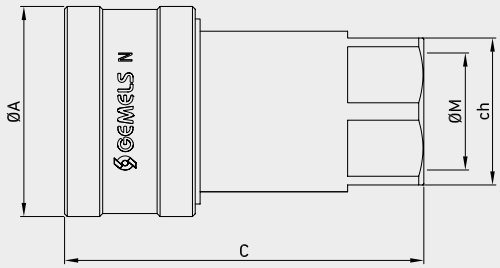
CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 5675
- Sizes: from DN6 to DN25
- Pressure: up to PN350

Male



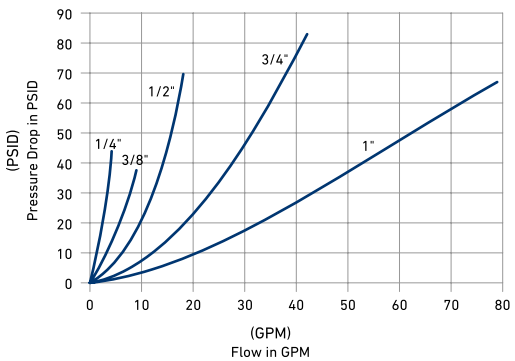
Female



!

Available also in patented version:
ball valve with integrated quick coupling.

Performance
(1/4", 3/8", 1/2", 3/4", 1")
Series (1/4", 3/8", 1/2", 3/4", 1")
200SUS (Test Fluid: Oil-200SUS



1 GPM = 3.78 l/min

1 PSID = 0.0069 MPa





CODE DESCRIPTION STRUCTURE

QC	1/2	M/F	DN12,5	1	B

Type of coupling

ISO 5675 N

Ends

ISO 1179-1 BSPP	ASME B1.20.1 NPT
G 1/4	N 1/4
G 3/8	N 3/8
G 1/2	N 1/2
G 3/4	N 3/4
G 1	N 1

MALE

FEMALE

DN/ISO

6,3
10
12,5
20
25

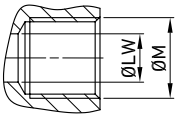
Body Material

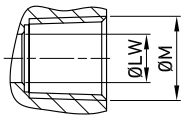
● **1** = 1,0737

Seal material

B = NBR **E** = FKM*

*On request
- Cups
- Plugs





QUICK COUPLINGS ISO 5675 (male / female) FEMALE THREAD ISO 1179-1 BSPP WITH BALL

CS Carbon Steel

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	ITEM CODE
QC N G 1/4 MALE	6,3	MPa 35	mm -		36	14,2	19	G 1/4	kg 0,04	NC07G010000
		Psi 5075	inch -		1,42	0,56	0,75		lb 0,09	
QC N G 1/4 FEMALE		MPa 35	mm	27,6	53,5	-	19	G 1/4	kg 0,11	NC08G010000
		Psi 5075	inch	1,09	2,11	-	0,75		lb 0,24	
QC N G 3/8 MALE	10	MPa 28	mm -		40	19	24	G 3/8	kg 0,08	NC07G020000
		Psi 4060	inch -		1,57	0,75	0,94		lb 0,18	
QC N G 3/8 FEMALE		MPa 28	mm	34	63	-	24	G 3/8	kg 0,2	NC08G020000
		Psi 4060	inch	1,34	2,48	-	0,94		lb 0,44	
QC N G 1/2 MALE	12,5	MPa 28	mm -		43,5	20,5	27	G 1/2	kg 0,09	NC07G030000
		Psi 4060	inch -		1,71	0,81	1,06		lb 0,20	
QC N G 1/2 FEMALE		MPa 28	mm	38,6	66,3	-	27	G 1/2	kg 0,27	NC08G030000
		Psi 4060	inch	1,52	2,61	-	1,06		lb 0,60	
QC N G 3/4 MALE	20	MPa 20	mm -		53,5	28	34	G 3/4	kg 0,182	NC07G040000
		Psi 2900	inch -		2,11	1,10	1,34		lb 0,40	
QC N G 3/4 FEMALE		MPa 20	mm	48,2	82,5	-	34	G 3/4	kg 0,515	NC08G040000
		Psi 2900	inch	1,90	3,25	-	1,34		lb 1,14	
QC N G 1 MALE	25	MPa 20	mm -		63	31,3	41	G 1	kg 0,246	NC07G050000
		Psi 2900	inch -		2,48	1,23	1,61		lb 0,54	
QC N G 1 FEMALE		MPa 20	mm	56	96,5	-	41	G 1	kg 0,817	NC08G050000
		Psi 2900	inch	2,20	3,80	-	1,61		lb 1,80	

QUICK COUPLINGS ISO 5675 (male / female) FEMALE THREAD ASME B1.20.1 NPT WITH BALL

CS Carbon Steel

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	ITEM CODE
QC N N 1/4 MALE	6.3	MPa 35	mm -		36	14,2	19	NPT 1/4	kg 0,04	NC07N010000
		Psi 5075	inch -		1,42	0,56	0,75		lb 0,09	
QC N N 1/4 FEMALE		MPa 35	mm	27,6	53,5	-	19	NPT 1/4	kg 0,11	NC08N010000
		Psi 5075	inch	1,09	2,11	-	0,75		lb 0,24	
QC N N 3/8 MALE	10	MPa 28	mm -		40	19	24	NPT 3/8	kg 0,08	NC07N020000
		Psi 4060	inch -		1,57	0,75	0,94		lb 0,18	
QC N N 3/8 FEMALE		MPa 28	mm	34	63	-	24	NPT 3/8	kg 0,2	NC08N020000
		Psi 4060	inch	1,34	2,48	-	0,94		lb 0,44	
QC N N 1/2 MALE	12,5	MPa 28	mm -		43,5	20,5	27	NPT 1/2	kg 0,09	NC07N030000
		Psi 4060	inch -		1,71	0,81	1,06		lb 0,20	
QC N N 1/2 FEMALE		MPa 28	mm	38,6	66,3	-	27	NPT 1/2	kg 0,27	NC08N030000
		Psi 4060	inch	1,52	2,61	-	1,06		lb 0,60	
QC N N 3/4 MALE	20	MPa 20	mm -		53,5	28	34	NPT 3/4	kg 0,09	NC07N040000
		Psi 2900	inch -		2,11	1,10	1,34		lb 0,20	
QC N N 3/4 FEMALE		MPa 20	mm	48,2	82,5	-	34	NPT 3/4	kg 0,27	NC08N040000
		Psi 2900	inch	1,90	3,25	-	1,34		lb 0,60	
QC N N 1 MALE	25	MPa 20	mm -		63	31,3	41	NPT 1	kg 0,09	NC07N050000
		Psi 2900	inch -		2,48	1,23	1,61		lb 0,20	
QC N N 1 FEMALE		MPa 20	mm	56	96,5	-	41	NPT 1	kg 0,27	NC08N050000
		Psi 2900	inch	2,20	3,80	-	1,61		lb 0,60	

The company reserves the right to operate dimensional changes without prior notice.


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QUICK COUPLINGS

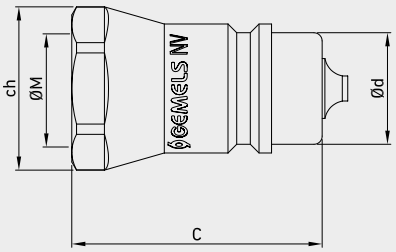
Interchangeable size 1/2" with ISO 7241/A

Edition. 21.2

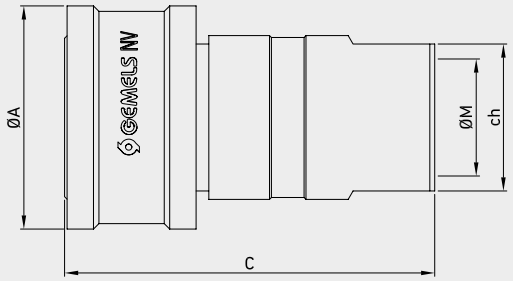
CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 5675
- Sizes: from DN6 to DN25
- Pressure: up to PN350

Male

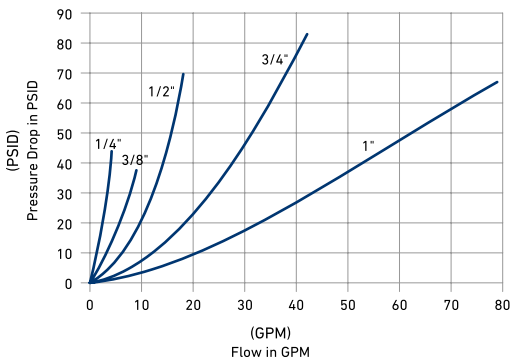


Female



Available also in patented version: ball valve with integrated quick coupling.

Performance
(1/4", 3/8", 1/2", 3/4", 1")
Series (1/4", 3/8", 1/2", 3/4", 1")
200SUS (Test Fluid: Oil-200SUS



1 GPM = 3.78 l/min

1 PSID = 0.0069 MPa





CODE DESCRIPTION STRUCTURE

QC	1/2	M/F	DN12,5	1	B

Type of coupling
ISO 5675 NV

Ends

ISO 1179-1 BSPP	ASME B1.20.1 NPT
G 1/4	N 1/4
G 3/8	N 3/8
G 1/2	N 1/2
G 3/4	N 3/4
G 1	N 1

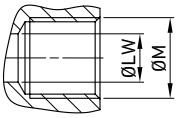
MALE
FEMALE

DN/ISO
6,3
10
12,5
20
25

Body Material
● **1** = 1,0737

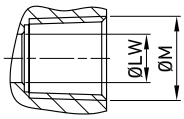
Seal material
B = NBR **E** = FKM*

*On request
- Cups
- Plugs



QUICK COUPLINGS ISO 5675 (male / female) FEMALE THREAD ISO 1179-1 BSPP WITH POPPET

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC NV G 1/4 MALE	6,3	MPa 35	mm -		36	14,2	19	G 1/4	kg 0,043	NC09G010000
		Psi 5075	inch -		1,42	0,56	0,75		lb 0,09	
QC NV G 1/4 FEMALE		MPa 35	mm	27,6	55,5	-	22	G 1/4	kg 0,128	NC10G010000
		Psi 5075	inch	1,09	2,19	-	0,87		lb 0,28	
QC NV G 3/8 MALE	10	MPa 35	mm -		40	19	24	G 3/8	kg 0,075	NC09G020000
		Psi 5075	inch -		1,57	0,75	0,94		lb 0,17	
QC NV G 3/8 FEMALE		MPa 35	mm	34	60,5	-	24	G 3/8	kg 0,2	NC10G020000
		Psi 5075	inch	1,34	2,38	-	0,94		lb 0,44	
QC NV G 1/2 MALE	12,5	MPa 35	mm -		46	20,5	27	G 1/2	kg 0,085	NC09G030000
		Psi 5075	inch -		1,81	0,81	1,06		lb 0,19	
QC NV G 1/2 FEMALE		MPa 35	mm	38	68	-	27	G 1/2	kg 0,27	NC10G030000
		Psi 5075	inch	1,50	2,68	-	1,06		lb 0,60	
QC NV G 3/4 MALE	20	MPa 25	mm -		53,5	28	34	G 3/4	kg 0,174	NC09G040000
		Psi 3625	inch -		2,11	1,10	1,34		lb 0,38	
QC NV G 3/4 FEMALE		MPa 25	mm	48,2	82,5	-	34	G 3/4	kg 0,515	NC10G040000
		Psi 3625	inch	1,90	3,25	-	1,34		lb 1,14	
QC NV G 1 MALE	25	MPa 25	mm -		64	31,3	41	G 1	kg 0,258	NC09G050000
		Psi 3625	inch -		2,52	1,23	1,61		lb 0,57	
QC NV G 1 FEMALE		MPa 25	mm	56,2	97,5	-	41	G 1	kg 0,936	NC10G050000
		Psi 3625	inch	2,21	3,84	-	1,61		lb 2,06	



QUICK COUPLINGS ISO 5675 (male / female) FEMALE THREAD ASME B1.20.1 NPT WITH POPPET

TYPE	DN	PN		ØA	C	Ød	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC NV N 1/4 MALE	6.3	MPa 35	mm -		36	14,2	19	NPT 1/4	kg 0,044	NC09N010000
		Psi 5075	inch -		1,42	0,56	0,75		lb 0,10	
QC NV N 1/4 FEMALE		MPa 35	mm	27,6	55,5	-	22	NPT 1/4	kg 0,13	NC10N010000
		Psi 5075	inch	1,09	2,19	-	0,87		lb 0,29	
QC NV N 3/8 MALE	10	MPa 35	mm -		40	19	24	NPT 3/8	kg 0,08	NC09N020000
		Psi 5075	inch -		1,57	0,75	0,94		lb 0,18	
QC NV N 3/8 FEMALE		MPa 35	mm	34	60,5	-	24	NPT 3/8	kg 0,2	NC10N020000
		Psi 5075	inch	1,34	2,38	-	0,94		lb 0,44	
QC NV N 1/2 MALE	12,5	MPa 35	mm -		46	20,5	27	NPT 1/2	kg 0,09	NC09N030000
		Psi 5075	inch -		1,81	0,81	1,06		lb 0,20	
QC NV N 1/2 FEMALE		MPa 35	mm	38	68	-	27	NPT 1/2	kg 0,27	NC10N030000
		Psi 5075	inch	1,50	2,68	-	1,06		lb 0,60	
QC NV N 3/4 MALE	20	MPa 25	mm -		53,5	28	34	NPT 3/4	kg 0,09	NC09N040000
		Psi 3625	inch -		2,11	1,10	1,34		lb 0,20	
QC NV N 3/4 FEMALE		MPa 25	mm	48,2	82,5	-	34	NPT 3/4	kg 0,29	NC10N040000
		Psi 3625	inch	1,90	3,25	-	1,34		lb 0,64	
QC NV N 1 MALE	25	MPa 25	mm -		64	31,3	41	NPT 1	kg 0,1	NC09N050000
		Psi 3625	inch -		2,52	1,23	1,61		lb 0,22	
QC NV N 1 FEMALE		MPa 25	mm	56,2	97,5	-	41	NPT 1	kg 0,3	NC10N050000
		Psi 3625	inch	2,21	3,84	-	1,61		lb 0,66	

The company reserves the right to operate dimensional changes without prior notice.


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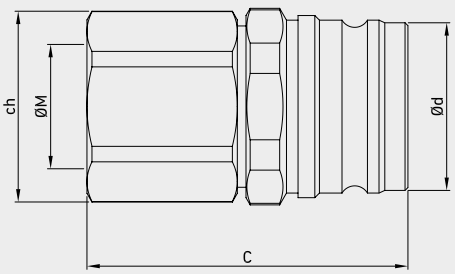
QUICK COUPLINGS

Edition. 21.0

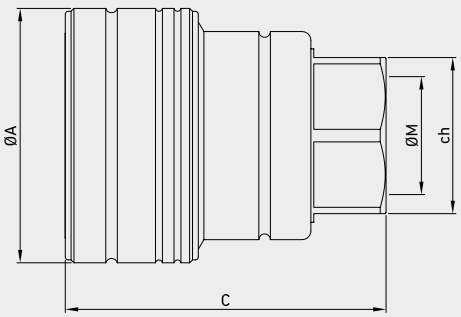
CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 5676
- Sizes: from DN10 to DN13
- Pressure: up to PN210

Male



Female



Available also in patented version:
ball valve with integrated quick coupling.





CODE DESCRIPTION STRUCTURE

QC	DN12,5	1M/F	DN12,5	1	B

Type of coupling
FLAT FACE - BGF

Ends

ISO 1179-1 BSPP	ISO 8434-1-L (DIN2353)	ISO 8434-1-L (DIN2353) BULKHEAD
G 3/8	12L	12L
G 1/2	15L	15L

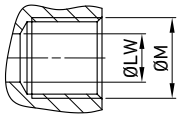
MALE
FEMALE

DN/ISO
10
13

Body Material
● **1** = 1,0737

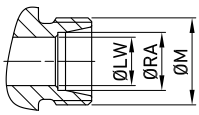
Seal material
B = NBR **E** = FKM*

*On request
- Cups
- Plugs



QUICK COUPLINGS BGF ISO 5676 (male / female) FEMALE THREAD ISO 1179-1 BSPP

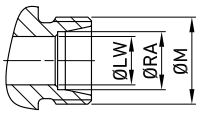
TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		CS Carbon Steel ITEM CODE
QC BGF G 3/8 MALE	12,5	MPa	21	mm	-	55,5	29	30	G3/8	kg	0,226	NC21G030001
		Psi	3045	inch	-	2,19	1,14	1,18		lb	0,50	
QC BGF G3/8 FEMALE		MPa	21	mm	44	55,5	-	27	G3/8	kg	0,333	NC22G030001
		Psi	3045	inch	1,73	2,19	-	1,06		lb	0,73	
QC BGF G 1/2 MALE		MPa	21	mm	-	55,5	29	30	G1/2	kg	0,226	NC21G030000
		Psi	3045	inch	-	2,19	1,14	1,18		lb	0,50	
QC BGF G 1/2 FEMALE		MPa	21	mm	44	55,5	-	27	G1/2	kg	0,319	NC22G030000
		Psi	3045	inch	1,73	2,19	-	1,06		lb	0,70	



QUICK COUPLINGS BGF ISO 5676 (male / female) MALE THREAD METRIC ISO 8434-1-L (DIN2353)

TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		CS Carbon Steel ITEM CODE
QC BGF 12L MALE	12,5	MPa	21	mm	-	51	29	32	M18X1,5	kg	0,157	NC21L030001
		Psi	3045	inch	-	2,01	1,14	1,26		lb	0,35	
QC BGF 12L FEMALE		MPa	21	mm	44	51	-	27	M18X1,5	kg	0,321	NC22L030001
		Psi	3045	inch	1,73	2,01	-	1,06		lb	0,71	
QC BGF 15L MALE		MPa	21	mm	-	60,5	29	32	M22X1,5	kg	0,157	NC21L030000
		Psi	3045	inch	-	2,38	1,14	1,26		lb	0,35	
QC BGF 15L FEMALE		MPa	21	mm	44	60,5	-	27	M22X1,5	kg	0,332	NC22L030000
		Psi	3045	inch	1,73	2,38	-	1,06		lb	0,73	

The company reserves the right to operate dimensional changes without prior notice.



QUICK COUPLINGS BGF ISO 5676 (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN2353) BULKHEAD

TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		CS Carbon Steel ITEM CODE
QC BGF 12LBK MALE	12,5	MPa	21	mm		58,5	29	32	M18X1,5	kg	0,55	NC21M030001
		Psi	3045	inch	0,00	2,30	1,14	1,26		lb	1,21	
QC BGF 12LBK FEMALE		MPa	21	mm	44	58,5		27	M18X1,5	kg	0,63	NC22M030001
		Psi	3045	inch	1,73	2,30	0,00	1,06		lb	1,39	
QC BGF 15LBK MALE		MPa	21	mm		60,5	29	32	M22X1,5	kg	0,18	NC21M030000
		Psi	3045	inch	0,00	2,38	1,14	1,26		lb	0,40	
QC BGF 15LBK FEMALE		MPa	21	mm	44	60,5		27	M22X1,5	kg	0,25	NC22M030000
		Psi	3045	inch	1,73	2,38	0,00	1,06		lb	0,55	

VGA

QUICK COUPLINGS

Available other different threads on request

Edition. 21.3

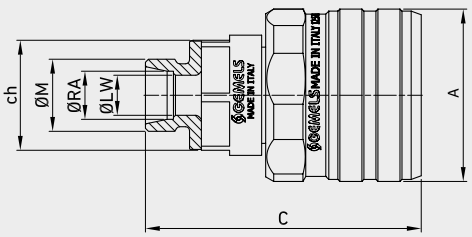
CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 14541
- Sizes: from DN6 up to DN25
- Pressure: up to PN420

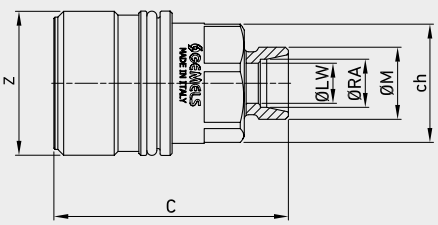
SS Stainless Steel

- Type: Quick Couplings
- Models: ISO 14541
- Sizes: from DN6 up to DN25
- Pressure: up to PN420

Male



Female



Available also in patented version:
ball valve with integrated quick coupling.





CODE DESCRIPTION STRUCTURE

QC	1/2	F/M	DN12,5	1	B

Type of coupling

SCREW-TO-CONNECT-COUPLINGS ISO 14541

Ends

ISO 1179-1 BSPP	ISO 8434-1-S (DIN 2353)	ISO 8434-1-L (DIN 2353)	ISO 8434-1-S (DIN 2353) BULKHEAD	ISO 8434-1-L (DIN 2353) BULKHEAD
G1/4	6L	8S	8L	10S
G3/8	8L	10S	10L	12S
G1/2	10L	12S	12L	16S
G3/4	12L	14S	15L	20S
G1	15L	16S	18L	25S
	18L	20S	22L	30S
	22L	25S	28L	
	28L	30S		
	35L			

MALE
FEMALE

DN/ISO

6,3
10
12,5
20
25

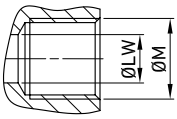
Body Material

● **1** = 1,0737
● **4** = 1,4404

Seal material

● **B** = NBR **E** = FKM*
● **E** = FKM

*On request
- Cups
- Plugs



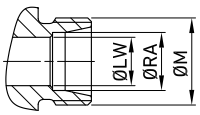
SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female)
FEMALE THREAD ISO 1179-1 BSPP

TYPE	DN	PN		ØA	C	Øz	ch	ØM	WEIGHT	CS Carbon Steel ITEM CODE
QC VGA G 1/4 MALE	6,3	MPa 42	mm	30	64	-	19	G1/4	kg 0,141	NC15G010000
		Psi 6090	inch	1,18	2,52		0,75		lb 0,31	
QC VGA G 1/4 FEMALE		MPa 42	mm	-	60,5	M24X2	19	G1/4	kg 0,122	NC16G010000
		Psi 6090	inch	-	2,38		0,75		lb 0,27	
QC VGA G 3/8 MALE	10	MPa 42	mm	34	66,5	-	24	G3/8	kg 0,193	NC15G020000
		Psi 6090	inch	1,34	2,62		0,94		lb 0,43	
QC VGA G 3/8 FEMALE		MPa 42	mm	-	60	M28X2	24	G3/8	kg 0,185	NC16G020000
		Psi 6090	inch	-	2,36		0,94		lb 0,41	
QC VGA G 1/2 MALE		MPa 42	mm	34	69	-	24	G1/2	kg 0,187	NC15G020001
		Psi 6090	inch	1,34	2,72		0,94		lb 0,41	
QC VGA G 1/2 FEMALE		MPa 42	mm	-	62,5	M28X2	24	G1/2	kg 0,171	NC16G020001
		Psi 6090	inch	-	2,46		0,94		lb 0,38	
QC VGA G 3/8 MALE	12,5	MPa 42	mm	43	71	-	27	G3/8	kg 0,309	NC15G030000
		Psi 6090	inch	1,69	2,80		1,06		lb 0,68	
QC VGA G 3/8 FEMALE		MPa 42	mm	-	60,5	M36X2	27	G3/8	kg 0,311	NC16G030000
		Psi 6090	inch	-	2,38		1,06		lb 0,69	
QC VGA G 1/2 MALE		MPa 42	mm	43	74	-	27	G1/2	kg 0,303	NC15G030001
		Psi 6090	inch	1,69	2,91		1,06		lb 0,67	
QC VGA G 1/2 FEMALE		MPa 42	mm	-	63,5	M36X2	27	G1/2	kg 0,306	NC16G030001
		Psi 6090	inch	-	2,50		1,06		lb 0,67	
QC VGA G 3/4 MALE	20	MPa 42	mm	48	85	-	34	G3/4	kg 0,44	NC15G040000
		Psi 6090	inch	1,89	3,35		1,34		lb 0,97	
QC VGA G 3/4 FEMALE		MPa 42	mm	-	84	M42X2	34	G3/4	kg 0,517	NC16G040000
		Psi 6090	inch	-	3,31		1,34		lb 1,14	
QC VGA G 3/4 MALE	25	MPa 35	mm	57	98,5	-	41	G3/4	kg 0,758	NC15G050000
		Psi 5075	inch	2,24	3,88		1,61		lb 1,67	
QC VGA G 3/4 FEMALE		MPa 35	mm	-	95	M48X2	41	G3/4	kg 0,75	NC16G050000
		Psi 5075	inch	-	3,74		1,61		lb 1,65	
QC VGA G 1 MALE		MPa 35	mm	57	100,5	-	41	G1	kg 0,737	NC15G050001
		Psi 5075	inch	2,24	3,96		1,61		lb 1,62	
QC VGA G 1 FEMALE		MPa 35	mm	-	97	M48X2	41	G1	kg 0,728	NC16G050001
		Psi 5075	inch	-	3,82		1,61		lb 1,60	

TYPE	DN	PN		ØA	C	Øz	ch	ØM	WEIGHT	SS Stainless Steel ITEM CODE
QC VGA G 1/4 MALE	6,3	MPa 42	mm	30	64	-	19	G1/4	kg 0,141	NC15G01S000
		Psi 6090	inch	1,18	2,52		0,75		lb 0,31	
QC VGA G 1/4 FEMALE		MPa 42	mm	-	53	M24X2	19	G1/4	kg 0,122	NC16G01S000
		Psi 6090	inch	-	2,09		0,75		lb 0,27	
QC VGA G 3/8 MALE	10	MPa 42	mm	34	66,5	-	24	G3/8	kg 0,193	NC15G02S000
		Psi 6090	inch	1,34	2,62		0,94		lb 0,43	
QC VGA G 3/8 FEMALE		MPa 42	mm	-	60	M28X2	24	G3/8	kg 0,185	NC16G02S000
		Psi 6090	inch	-	2,36		0,94		lb 0,41	
QC VGA G 1/2 MALE		MPa 42	mm	34	69	-	24	G1/2	kg 0,187	NC15G02S001
		Psi 6090	inch	1,34	2,72		0,94		lb 0,41	
QC VGA G 1/2 FEMALE		MPa 42	mm	-	62,5	M28X2	24	G1/2	kg 0,171	NC16G02S001
		Psi 6090	inch	-	2,46		0,94		lb 0,38	
QC VGA G 3/8 MALE	12,5	MPa 42	mm	43	71	-	27	G3/8	kg 0,309	NC15G03S000
		Psi 6090	inch	1,69	2,80		1,06		lb 0,68	
QC VGA G 3/8 FEMALE		MPa 42	mm	-	60,5	M36X2	27	G3/8	kg 0,311	NC16G03S000
		Psi 6090	inch	-	2,38		1,06		lb 0,69	
QC VGA G 1/2 MALE		MPa 42	mm	43	74	-	27	G1/2	kg 0,303	NC15G03S001
		Psi 6090	inch	1,69	2,91		1,06		lb 0,67	
QC VGA G 1/2 FEMALE		MPa 42	mm	-	63,5	M36X2	27	G1/2	kg 0,306	NC16G03S001
		Psi 6090	inch	-	2,50		1,06		lb 0,67	
QC VGA G 3/4 MALE	20	MPa 42	mm	48	85	-	34	G3/4	kg 0,44	NC15G04S000
		Psi 6090	inch	1,89	3,35		1,34		lb 0,97	
QC VGA G 3/4 FEMALE		MPa 42	mm	-	84	M42X2	34	G3/4	kg 0,517	NC16G04S000
		Psi 6090	inch	-	3,31		1,34		lb 1,14	
QC VGA G 3/4 MALE	25	MPa 35	mm	57	98,5	-	41	G3/4	kg 0,758	NC15G05S000
		Psi 5075	inch	2,24	3,88		1,61		lb 1,67	
QC VGA G 3/4 FEMALE		MPa 35	mm	-	95	M48X2	41	G3/4	kg 0,75	NC16G05S000
		Psi 5075	inch	-	3,74		1,61		lb 1,65	
QC VGA G 1 MALE		MPa 35	mm	57	100,5	-	41	G1	kg 0,737	NC15G05S001
		Psi 5075	inch	2,24	3,96		1,61		lb 1,62	
QC VGA G 1 FEMALE		MPa 35	mm	-	97	M48X2	41	G1	kg 0,728	NC16G05S001
		Psi 5075	inch	-	3,82		1,61		lb 1,60	

The company reserves the right to operate dimensional changes without prior notice.



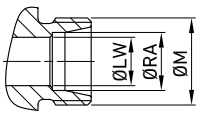


SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female)
MALE THREAD METRIC ISO 8434-1-S (DIN 2353)

CS Carbon Steel

TYPE	DN	PN			ØA	C	Øz	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC VGA 8S MALE	10	MPa	42	mm	34	69	-	24	M16X1,5	5	8	kg	0,169	NC15H020000
		Psi	6090	inch	1,34	2,72		0,94		0,20	0,31	0,31	0,37	
QC VGA 8S FEMALE		MPa	42	mm	-	62,5	M28X2	24	M16X1,5	5	8	kg	0,172	NC16H020000
		Psi	6090	inch	-	2,46		0,94		0,20	0,31	lb	0,38	
QC VGA 10S MALE		MPa	42	mm	34	69	-	24	M18X1,5	7	10	kg	0,169	NC15H020001
		Psi	6090	inch	1,34	2,72		0,94		0,28	0,39	0,39	0,37	
QC VGA 10S FEMALE		MPa	42	mm	-	62,5	M28X2	24	M18X1,5	7	10	kg	0,158	NC16H020001
		Psi	6090	inch	-	2,46		0,94		0,28	0,39	lb	0,35	
QC VGA 12S MALE	12,5	MPa	42	mm	43	70	-	27	M20X1,5	8	12	kg	0,251	NC15H030000
		Psi	6090	inch	1,69	2,76		1,06		0,31	0,47	0,47	0,55	
QC VGA 12S FEMALE		MPa	42	mm	-	59,5	M36X2	27	M20X1,5	8	12	kg	0,254	NC16H030000
		Psi	6090	inch	-	2,34		1,06		0,31	0,47	lb	0,56	
QC VGA 14S MALE		MPa	42	mm	43	72	-	27	M22X1,5	8	14	kg	0,26	NC15H030001
		Psi	6090	inch	1,69	2,83		1,06		0,31	0,55	0,55	0,57	
QC VGA 14S FEMALE		MPa	42	mm	-	61,5	M36X2	27	M22X1,5	8	14	kg	0,258	NC16H030001
		Psi	6090	inch	-	2,42		1,06		0,31	0,55	lb	0,57	
QC VGA 16S MALE		MPa	42	mm	43	72	-	27	M24X1,5	12	16	kg	0,281	NC15H030002
		Psi	6090	inch	1,69	2,83		1,06		0,47	0,63	0,63	0,62	
QC VGA 16S FEMALE		MPa	42	mm	-	61,5	M36X2	27	M24X1,5	12	16	kg	0,278	NC16H030002
		Psi	6090	inch	-	2,42		1,06		0,47	0,63	lb	0,61	
QC VGA 16S MALE	20	MPa	42	mm	48	79	-	34	M24X1,5	12	16	kg	0,374	NC15H040000
		Psi	6090	inch	1,89	3,11		1,34		0,47	0,63	0,63	0,82	
QC VGA 16S FEMALE		MPa	42	mm	-	78	M42X2	34	M24X1,5	12	16	kg	0,266	NC16H040000
		Psi	6090	inch	-	3,07		1,34		0,47	0,63	lb	0,59	
QC VGA 20S MALE		MPa	42	mm	48	81	-	34	M30X2	16	20	kg	0,383	NC15H040001
		Psi	6090	inch	1,89	3,19		1,34		0,63	0,79	0,79	0,84	
QC VGA 20S FEMALE		MPa	42	mm	-	80	M42X2	34	M30X2	16	20	kg	0,436	NC16H040001
		Psi	6090	inch	-	3,15		1,34		0,63	0,79	lb	0,96	
QC VGA 20S MALE	25	MPa	35	mm	57	100,5	-	41	M30X2	16	20	kg	0,723	NC15H050000
		Psi	5075	inch	2,24	3,96		1,61		0,63	0,79	0,79	1,59	
QC VGA 20S FEMALE		MPa	35	mm	-	97	M48x2	41	M30X2	16	20	kg	0,721	NC16H050000
		Psi	5075	inch	-	3,82		1,61		0,63	0,79	lb	1,59	
QC VGA 25S MALE		MPa	35	mm	57	102,5	-	41	M36X2	20	25	kg	0,742	NC15H050001
		Psi	5075	inch	2,24	4,04		1,61		0,79	0,98	0,98	1,64	
QC VGA 25S FEMALE		MPa	35	mm	-	99	M48x2	41	M36X2	20	25	kg	0,74	NC16H050001
		Psi	5075	inch	-	3,90		1,61		0,79	0,98	lb	1,63	
QC VGA 30S MALE		MPa	35	mm	57	104,5	-	46	M42X2	25	30	kg	0,821	NC15H050002
		Psi	5075	inch	2,24	4,11		1,81		0,98	1,18	1,18	1,81	
QC VGA 30S FEMALE		MPa	35	mm	-	101	M48x2	46	M42X2	25	30	kg	0,813	NC16H050002
		Psi	5075	inch	-	3,98		1,81		0,98	1,18	lb	1,79	

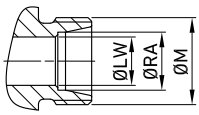
The company reserves the right to operate dimensional changes without prior notice.



SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female) MALE THREAD METRIC ISO 8434-1-S (DIN 2353)

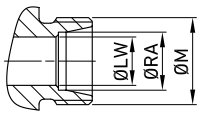
SS Stainless Steel

TYPE	DN	PN			ØA	C	Øz	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
"QC VGA 8S MALE"	10	MPa	42	mm	34	69	-	24	M16X1,5	5	8	kg	0,169	NC15H02S000
		Psi	6090	inch	1,34	2,72		0,94		0,20	0,31	0,31	0,37	
"QC VGA 8S FEMALE"		MPa	42	mm	-	62,5	M28X2	24	M16X1,5	5	8	kg	0,172	NC16H02S000
		Psi	6090	inch	-	2,46		0,94		0,20	0,31	lb	0,38	
"QC VGA 10S MALE "		MPa	42	mm	34	69	-	24	M18X1,5	7	10	kg	0,169	NC15H02S001
		Psi	6090	inch	1,34	2,72		0,94		0,28	0,39	0,39	0,37	
"QC VGA 10S FEMALE "		MPa	42	mm	-	62,5	M28X2	24	M18X1,5	7	10	kg	0,158	NC16H02S001
		Psi	6090	inch	-	2,46		0,94		0,28	0,39	lb	0,35	
"QC VGA 12S MALE"	12,5	MPa	42	mm	43	70	-	27	M20X1,5	8	12	kg	0,251	NC15H03S000
		Psi	6090	inch	1,69	2,76		1,06		0,31	0,47	0,47	0,55	
"QC VGA 12S FEMALE"		MPa	42	mm	-	59,5	M36X2	27	M20X1,5	8	12	kg	0,254	NC16H03S000
		Psi	6090	inch	-	2,34		1,06		0,31	0,47	lb	0,56	
"QC VGA 14S MALE"		MPa	42	mm	43	72	-	27	M22X1,5	8	14	kg	0,26	NC15H03S001
		Psi	6090	inch	1,69	2,83		1,06		0,31	0,55	0,55	0,57	
"QC VGA 14S FEMALE"		MPa	42	mm	-	61,5	M36X2	27	M22X1,5	8	14	kg	0,258	NC16H03S001
		Psi	6090	inch	-	2,42		1,06		0,31	0,55	lb	0,57	
"QC VGA 16S MALE"		MPa	42	mm	43	72	-	27	M24X1,5	12	16	kg	0,281	NC15H03S002
		Psi	6090	inch	1,69	2,83		1,06		0,47	0,63	0,63	0,62	
"QC VGA 16S FEMALE"		MPa	42	mm	-	61,5	M36X2	27	M24X1,5	12	16	kg	0,278	NC16H03S002
		Psi	6090	inch	-	2,42		1,06		0,47	0,63	lb	0,61	
"QC VGA 16S MALE"	20	MPa	42	mm	48	79	-	34	M24X1,5	12	16	kg	0,374	NC15H04S000
		Psi	6090	inch	1,89	3,11		1,34		0,47	0,63	0,63	0,82	
"QC VGA 16S FEMALE"		MPa	42	mm	-	78	M42X2	34	M24X1,5	12	16	kg	0,266	NC16H04S000
		Psi	6090	inch	-	3,07		1,34		0,47	0,63	lb	0,59	
"QC VGA 20S MALE"		MPa	42	mm	48	81	-	34	M30X2	16	20	kg	0,383	NC15H04S001
		Psi	6090	inch	1,89	3,19		1,34		0,63	0,79	0,79	0,84	
"QC VGA 20S FEMALE"		MPa	42	mm	-	80	M42X2	34	M30X2	16	20	kg	0,436	NC16H04S001
		Psi	6090	inch	-	3,15		1,34		0,63	0,79	lb	0,96	
"QC VGA 20S MALE"	25	MPa	35	mm	57	100,5	-	41	M30X2	16	20	kg	0,723	NC15H05S000
		Psi	5075	inch	2,24	3,96		1,61		0,63	0,79	0,79	1,59	
"QC VGA 20S FEMALE"		MPa	35	mm	-	97	M48x2	41	M30X2	16	20	kg	0,721	NC16H05S000
		Psi	5075	inch	-	3,82		1,61		0,63	0,79	lb	1,59	
"QC VGA 25S MALE"		MPa	35	mm	57	102,5	-	41	M36X2	20	25	kg	0,742	NC15H05S001
		Psi	5075	inch	2,24	4,04		1,61		0,79	0,98	0,98	1,64	
"QC VGA 25S FEMALE"		MPa	35	mm	-	99	M48x2	41	M36X2	20	25	kg	0,74	NC16H05S001
		Psi	5075	inch	-	3,90		1,61		0,79	0,98	lb	1,63	
"QC VGA 30S MALE"		MPa	35	mm	57	104,5	-	46	M42X2	25	30	kg	0,821	NC15H05S002
		Psi	5075	inch	2,24	4,11		1,81		0,98	1,18	1,18	1,81	
"QC VGA 30S FEMALE"		MPa	35	mm	-	101	M48x2	46	M42X2	25	30	kg	0,813	NC16H05S002
		Psi	5075	inch	-	3,98		1,81		0,98	1,18	lb	1,79	



SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353)

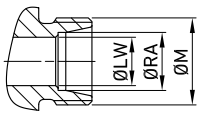
															CS Carbon Steel
TYPE	DN	PN			ØA	C	Øz	ch	ØM	ØLW	ØRA	WEIGHT			ITEM CODE
QC VGA 8L MALE	6.3	MPa	42	mm	30	61	-	19	M14X1,5	6	8	kg	0,114		NC15L010000
		Psi	6090	inch	1,18	2,40		0,75		0,24	0,31	0,31	0,25		
QC VGA 8L FEMALE		MPa	42	mm	-	57,5	M24X2	19	M14X1,5	6	8	kg	0,1		NC16L010000
		Psi	6090	inch	-	2,26		0,75		0,24	0,31	lb	0,22		
QC VGA 6L MALE	10	MPa	42	mm	34	67	-	24	M12X1,5	4	6	kg	0,19		NC15L020000
		Psi	6090	inch	1,34	2,64		0,94		0,16	0,24	0,24	0,42		
QC VGA 6L FEMALE		MPa	42	mm	-	60,5	M28X2	24	M12X1,5	4	6	kg	0,166		NC16L020000
		Psi	6090	inch	-	2,38		0,94		0,16	0,24	lb	0,37		
QC VGA 8L MALE		MPa	42	mm	34	67	-	24	M14X1,5	6	8	kg	0,165		NC15L020001
		Psi	6090	inch	1,34	2,64		0,94		0,24	0,31	0,31	0,36		
QC VGA 8L FEMALE		MPa	42	mm	-	60,5	M28X2	24	M14X1,5	6	8	kg	0,167		NC16L020001
		Psi	6090	inch	-	2,38		0,94		0,24	0,31	lb	0,37		
QC VGA 10L MALE		MPa	42	mm	34	68	-	24	M16X1,5	8	10	kg	0,166		NC15L020002
		Psi	6090	inch	1,34	2,68		0,94		0,31	0,39	0,39	0,37		
QC VGA 10L FEMALE		MPa	42	mm	-	61,5	M28X2	24	M16X1,5	8	10	kg	0,173		NC16L020002
		Psi	6090	inch	-	2,42		0,94		0,31	0,39	lb	0,38		
QC VGA 10L MALE	12,5	MPa	42	mm	43	69	-	27	M16X1,5	8	10	kg	0,247		NC15L030000
		Psi	6090	inch	1,69	2,72		1,06		0,31	0,39	0,39	0,54		
QC VGA 10L FEMALE		MPa	42	mm	-	58,5	M36X2	27	M16X1,5	8	10	kg	0,27		NC16L030000
		Psi	6090	inch	-	2,30		1,06		0,31	0,39	lb	0,60		
QC VGA 12L MALE		MPa	42	mm	43	69	-	27	M18X1,5	10	12	kg	0,247		NC15L030001
		Psi	6090	inch	1,69	2,72		1,06		0,39	0,47	0,47	0,54		
QC VGA 12L FEMALE		MPa	42	mm	-	58,5	M36X2	27	M18X1,5	10	12	kg	0,25		NC16L030001
		Psi	6090	inch	-	2,30		1,06		0,39	0,47	lb	0,55		
QC VGA 15L MALE		MPa	42	mm	43	70	-	27	M22X1,5	12	15	kg	0,253		NC15L030002
		Psi	6090	inch	1,69	2,76		1,06		0,47	0,59	0,59	0,56		
QC VGA 15L FEMALE		MPa	42	mm	-	59,5	M36X2	27	M22X1,5	12	15	kg	0,251		NC16L030002
		Psi	6090	inch	-	2,34		1,06		0,47	0,59	lb	0,55		
QC VGA 18L MALE		MPa	42	mm	43	70	-	27	M26X1,5	15	18	kg	0,258		NC15L030003
		Psi	6090	inch	1,69	2,76		1,06		0,59	0,71	0,71	0,57		
QC VGA 18L FEMALE		MPa	42	mm	-	59,5	M36X2	27	M26X1,5	15	18	kg	0,261		NC16L030003
		Psi	6090	inch	-	2,34		1,06		0,59	0,71	lb	0,58		



SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353)

CS Carbon Steel

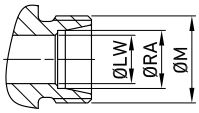
TYPE	DN	PN			ØA	C	Øz	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC VGA 18L MALE	20	MPa	42	mm	48	77	-	34	M26X1,5	15	18	kg	0,372	NC15L040000
		Psi	6090	inch	1,89	3,03		1,34		0,59	0,71	0,71	0,82	
QC VGA 18L FEMALE		MPa	42	mm	-	76	M42X2	34	M26X1,5	15	18	kg	0,424	NC16L040000
		Psi	6090	inch	-	2,99		1,34		0,59	0,71	lb	0,93	
QC VGA 22L MALE		MPa	42	mm	48	79	-	34	M30X2	19	22	kg	0,375	NC15L040001
		Psi	6090	inch	1,89	3,11		1,34		0,75	0,87	0,87	0,83	
QC VGA 22L FEMALE		MPa	42	mm	-	78	M42X2	34	M30X2	19	22	kg	0,854	NC16L040001
		Psi	6090	inch	-	3,07		1,34		0,75	0,87	lb	1,88	
QC VGA 22L MALE	25	MPa	35	mm	57	98,5	-	41	M30X2	19	22	kg	0,708	NC15L050000
		Psi	5075	inch	2,24	3,88		1,61		0,75	0,87	0,87	1,56	
QC VGA 22L FEMALE		MPa	35	mm	-	95	M48X2	41	M30X2	19	22	kg	0,701	NC16L050000
		Psi	5075	inch	-	3,74		1,61		0,75	0,87	lb	1,55	
QC VGA 28L MALE		MPa	35	mm	57	98,5	-	41	M36X2	24	28	kg	0,707	NC15L050001
		Psi	5075	inch	2,24	3,88		1,61		0,94	1,10	1,10	1,56	
QC VGA 28L FEMALE		MPa	35	mm	-	95	M48X2	41	M36X2	24	28	kg	0,7	NC16L050001
		Psi	5075	inch	-	3,74		1,61		0,94	1,10	lb	1,54	
QC VGA 35L MALE		MPa	35	mm	57	100	-	46	M45X2	30	35	kg	0,784	NC15L050002
		Psi	5075	inch	2,24	3,94		1,81		1,18	1,38	1,38	1,73	
QC VGA 35L FEMALE		MPa	35	mm	-	97	M48X2	46	M45X2	30	35	kg	0,777	NC16L050002
		Psi	5075	inch	-	3,82		1,81		1,18	1,38	lb	1,71	



SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353)

SS Stainless Steel

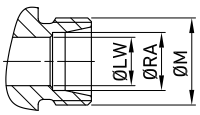
TYPE	DN	PN			ØA	C	Øz	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC VGA 8L MALE	6.3	MPa	42	mm	30	61	-	19	M14X1,5	6	8	kg	0,114	NC15L01S000
		Psi	6090	inch	1,18	2,40		0,75		0,24	0,31	0,31	0,25	
QC VGA 8L FEMALE		MPa	42	mm	-	50,5	M24X2	19	M14X1,5	6	8	kg	0,1	NC16L01S000
		Psi	6090	inch	-	1,99		0,75		0,24	0,31	lb	0,22	
QC VGA 6L MALE	10	MPa	42	mm	34	67	-	24	M12X1,5	4	6	kg	0,19	NC15L02S000
		Psi	6090	inch	1,34	2,64		0,94		0,16	0,24	0,24	0,42	
QC VGA 6L FEMALE		MPa	42	mm	-	60,5	M28X2	24	M12X1,5	4	6	kg	0,166	NC16L02S000
		Psi	6090	inch	-	2,38		0,94		0,16	0,24	lb	0,37	
QC VGA 8L MALE		MPa	42	mm	34	67	-	24	M14X1,5	6	8	kg	0,165	NC15L02S001
		Psi	6090	inch	1,34	2,64		0,94		0,24	0,31	0,31	0,36	
QC VGA 8L FEMALE		MPa	42	mm	-	60,5	M28X2	24	M14X1,5	6	8	kg	0,167	NC16L02S001
		Psi	6090	inch	-	2,38		0,94		0,24	0,31	lb	0,37	
QC VGA 10L MALE		MPa	42	mm	34	68	-	24	M16X1,5	8	10	kg	0,166	NC15L02S002
		Psi	6090	inch	1,34	2,68		0,94		0,31	0,39	0,39	0,37	
QC VGA 10L FEMALE		MPa	42	mm	-	61,5	M28X2	24	M16X1,5	8	10	kg	0,173	NC16L0S0002
		Psi	6090	inch	-	2,42		0,94		0,31	0,39	lb	0,38	
QC VGA 10L MALE	12,5	MPa	42	mm	43	69	-	27	M16X1,5	8	10	kg	0,247	NC15L03S000
		Psi	6090	inch	1,69	2,72		1,06		0,31	0,39	0,39	0,54	
QC VGA 10L FEMALE		MPa	42	mm	-	58,5	M36X2	27	M16X1,5	8	10	kg	0,27	NC16L03S000
		Psi	6090	inch	-	2,30		1,06		0,31	0,39	lb	0,60	
QC VGA 12L MALE		MPa	42	mm	43	69	-	27	M18X1,5	10	12	kg	0,247	NC15L03S001
		Psi	6090	inch	1,69	2,72		1,06		0,39	0,47	0,47	0,54	
QC VGA 12L FEMALE		MPa	42	mm	-	58,5	M36X2	27	M18X1,5	10	12	kg	0,25	NC16L03S001
		Psi	6090	inch	-	2,30		1,06		0,39	0,47	lb	0,55	
QC VGA 15L MALE		MPa	42	mm	43	70	-	27	M22X1,5	12	15	kg	0,253	NC15L03S002
		Psi	6090	inch	1,69	2,76		1,06		0,47	0,59	0,59	0,56	
QC VGA 15L FEMALE		MPa	42	mm	-	59,5	M36X2	27	M22X1,5	12	15	kg	0,251	NC16L03S002
		Psi	6090	inch	-	2,34		1,06		0,47	0,59	lb	0,55	
QC VGA 18L MALE		MPa	42	mm	43	70	-	27	M26X1,5	15	18	kg	0,258	NC15L03S003
		Psi	6090	inch	1,69	2,76		1,06		0,59	0,71	0,71	0,57	
QC VGA 18L FEMALE		MPa	42	mm	-	59,5	M36X2	27	M26X1,5	15	18	kg	0,261	NC16L03S003
		Psi	6090	inch	-	2,34		1,06		0,59	0,71	lb	0,58	



SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female) MALE THREAD METRIC ISO 8434-1-L (DIN 2353)

SS Stainless Steel

TYPE	DN	PN			ØA	C	Øz	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC VGA 18L MALE	20	MPa	42	mm	48	77	-	34	M26X1,5	15	18	kg	0,372	NC15L04S000
		Psi	6090	inch	1,89	3,03		1,34		0,59	0,71	0,71	0,82	
QC VGA 18L FEMALE		MPa	42	mm	-	76	M42X2	34	M26X1,5	15	18	kg	0,424	NC16L04S000
		Psi	6090	inch	-	2,99		1,34		0,59	0,71	lb	0,93	
QC VGA 22L MALE		MPa	42	mm	48	79	-	34	M30X2	19	22	kg	0,375	NC15L04S001
		Psi	6090	inch	1,89	3,11		1,34		0,75	0,87	0,87	0,83	
QC VGA 22L FEMALE		MPa	42	mm	-	78	M42X2	34	M30X2	19	22	kg	0,854	NC16L04S001
		Psi	6090	inch	-	3,07		1,34		0,75	0,87	lb	1,88	
QC VGA 22L MALE	25	MPa	35	mm	57	98,5	-	41	M30X2	19	22	kg	0,708	NC15L05S000
		Psi	5075	inch	2,24	3,88		1,61		0,75	0,87	0,87	1,56	
QC VGA 22L FEMALE		MPa	35	mm	-	95	M48X2	41	M30X2	19	22	kg	0,701	NC16L05S000
		Psi	5075	inch	-	3,74		1,61		0,75	0,87	lb	1,55	
QC VGA 28L MALE		MPa	35	mm	57	98,5	-	41	M36X2	24	28	kg	0,707	NC15L05S001
		Psi	5075	inch	2,24	3,88		1,61		0,94	1,10	1,10	1,56	
QC VGA 28L FEMALE		MPa	35	mm	-	95	M48X2	41	M36X2	24	28	kg	0,7	NC16L05S001
		Psi	5075	inch	-	3,74		1,61		0,94	1,10	lb	1,54	
QC VGA 35L MALE		MPa	35	mm	57	100	-	46	M45X2	30	35	kg	0,784	NC15L05S002
		Psi	5075	inch	2,24	3,94		1,81		1,18	1,38	1,38	1,73	
QC VGA 35L FEMALE		MPa	35	mm	-	97	M48X2	46	M45X2	30	35	kg	0,777	NC16L05S002
		Psi	5075	inch	-	3,82		1,81		1,18	1,38	lb	1,71	

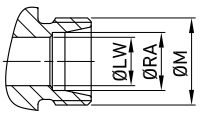


SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female)
MALE THREAD METRIC ISO 8434-1-S (DIN 2353) BULKHEAD

CS Carbon Steel

TYPE	DN	PN			ØA	C	Øz	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC VGA 10S BK MALE	12,5	MPa	42	mm	43	85	-	27	M18X1,5	7	10	kg	0,453	NC15I030000
		Psi	6090	inch	1,69	3,35		1,06		0,28	0,39	lb	1,00	
QC VGA 10S BK FEMALE		MPa	42	mm	-	74,5	M36X2	27	M18X1,5	7	10	kg	0,271	NC16I030000
		Psi	6090	inch	-	2,93		1,06		0,28	0,39	lb	0,60	
QC VGA 12S BK MALE		MPa	42	mm	43	85	-	27	M20X1,5	8	12	kg	0,457	NC15I030001
		Psi	6090	inch	1,69	3,35		1,06		0,31	0,47	lb	1,01	
QC VGA 12S BK FEMALE		MPa	42	mm	-	74,5	M36X2	27	M20X1,5	8	12	kg	0,275	NC16I030001
		Psi	6090	inch	-	2,93		1,06		0,31	0,47	lb	0,61	
QC VGA 16S BK MALE		MPa	42	mm	43	87	-	27	M24X1,5	12	16	kg	0,471	NC15I030002
		Psi	6090	inch	1,69	3,43		1,06		0,47	0,63	lb	1,04	
QC VGA 16S BK FEMALE		MPa	42	mm	-	76,5	M36X2	27	M24X1,5	12	16	kg	0,283	NC16I030002
		Psi	6090	inch	-	3,01		1,06		0,47	0,63	lb	0,62	
QC VGA 16S BK MALE	20	MPa	42	mm	48	94	-	34	M24X1,5	12	16	kg	0,674	NC15I040000
		Psi	6090	inch	1,89	3,70		1,34		0,47	0,63	lb	1,49	
QC VGA 16S BK FEMALE		MPa	42	mm	-	93	M42X2	34	M24X1,5	12	16	kg	0,447	NC16I040000
		Psi	6090	inch	-	3,66		1,34		0,47	0,63	lb	0,99	
QC VGA 20S BK MALE		MPa	42	mm	48	103	-	34	M30X2	16	20	kg	0,716	NC15I040001
		Psi	6090	inch	1,89	4,06		1,34		0,63	0,79	lb	1,58	
QC VGA 20S BK FEMALE		MPa	42	mm	-	102	M42X2	34	M30X2	16	20	kg	0,484	NC16I040001
		Psi	6090	inch	-	4,02		1,34		0,63	0,79	lb	1,07	
QC VGA 20S BK MALE	25	MPa	35	mm	57	122,5	-	41	M30X2	16	20	kg	1,217	NC15I050000
		Psi	5075	inch	2,24	4,82		1,61		0,63	0,79	lb	2,68	
QC VGA 20S BK FEMALE		MPa	35	mm	-	119	M48X2	41	M30X2	16	20	kg	0,749	NC16I050000
		Psi	5075	inch	-	4,69		1,61		0,63	0,79	lb	1,65	
QC VGA 25S BK MALE		MPa	35	mm	57	122,5	-	41	M36X2	20	25	kg	1,398	NC15I050001
		Psi	5075	inch	2,24	4,82		1,61		0,79	0,98	lb	3,08	
QC VGA 25S BK FEMALE		MPa	35	mm	-	119	M48X2	41	M36X2	20	25	kg	0,84	NC16I050001
		Psi	5075	inch	-	4,69		1,61		0,79	0,98	lb	1,85	
QC VGA 30S BK MALE		MPa	35	mm	57	124,5	-	46	M42X2	25	30	kg	1,566	NC15I050002
		Psi	5075	inch	2,24	4,90		1,81		0,98	1,18	lb	3,45	
QC VGA 30S BK FEMALE		MPa	35	mm	--	121	M48X2	46	M42X2	25	30	kg	0,948	NC16I050002
		Psi	5075	inch	-	4,76		1,81		0,98	1,18	lb	2,09	

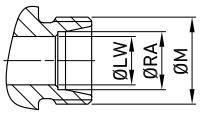
The company reserves the right to operate dimensional changes without prior notice.



SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female)
MALE THREAD METRIC ISO 8434-1-S (DIN 2353) BULKHEAD

SS Stainless Steel

TYPE	DN	PN			ØA	C	Øz	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC VGA 10S BK MALE	12,5	MPa	42	mm	43	85	-	27	M18X1,5	7	10	kg	0,453	NC15I03S000
		Psi	6090	inch	1,69	3,35		1,06		0,28	0,39	lb	1,00	
QC VGA 10S BK FEMALE		MPa	42	mm	-	74,5	M36X2	27	M18X1,5	7	10	kg	0,271	NC16I03S000
		Psi	6090	inch	-	2,93		1,06		0,28	0,39	lb	0,60	
QC VGA 12S BK MALE		MPa	42	mm	43	85	-	27	M20X1,5	8	12	kg	0,457	NC15I03S001
		Psi	6090	inch	1,69	3,35		1,06		0,31	0,47	lb	1,01	
QC VGA 12S BK FEMALE		MPa	42	mm	-	74,5	M36X2	27	M20X1,5	8	12	kg	0,275	NC16I03S001
		Psi	6090	inch	-	2,93		1,06		0,31	0,47	lb	0,61	
QC VGA 16S BK MALE		MPa	42	mm	43	87	-	27	M24X1,5	12	16	kg	0,471	NC15I03S002
		Psi	6090	inch	1,69	3,43		1,06		0,47	0,63	lb	1,04	
QC VGA 16S BK FEMALE		MPa	42	mm	-	76,5	M36X2	27	M24X1,5	12	16	kg	0,283	NC16I03S002
		Psi	6090	inch	-	3,01		1,06		0,47	0,63	lb	0,62	
QC VGA 16S BK MALE	20	MPa	42	mm	48	94	-	34	M24X1,5	12	16	kg	0,674	NC15I04S000
		Psi	6090	inch	1,89	3,70		1,34		0,47	0,63	lb	1,49	
QC VGA 16S BK FEMALE		MPa	42	mm	-	93	M42X2	34	M24X1,5	12	16	kg	0,447	NC16I04S000
		Psi	6090	inch	-	3,66		1,34		0,47	0,63	lb	0,99	
QC VGA 20S BK MALE		MPa	42	mm	48	103	-	34	M30X2	16	20	kg	0,716	NC15I04S001
		Psi	6090	inch	1,89	4,06		1,34		0,63	0,79	lb	1,58	
QC VGA 20S BK FEMALE		MPa	42	mm	-	102	M42X2	34	M30X2	16	20	kg	0,484	NC16I04S001
		Psi	6090	inch	-	4,02		1,34		0,63	0,79	lb	1,07	
QC VGA 20S BK MALE	25	MPa	35	mm	57	122,5	-	41	M30X2	16	20	kg	1,217	NC15I05S000
		Psi	5075	inch	2,24	4,82		1,61		0,63	0,79	lb	2,68	
QC VGA 20S BK FEMALE		MPa	35	mm	-	119	M48X2	41	M30X2	16	20	kg	0,749	NC16I05S000
		Psi	5075	inch	-	4,69		1,61		0,63	0,79	lb	1,65	
QC VGA 25S BK MALE		MPa	35	mm	57	122,5	-	41	M36X2	20	25	kg	1,398	NC15I05S001
		Psi	5075	inch	2,24	4,82		1,61		0,79	0,98	lb	3,08	
QC VGA 25S BK FEMALE		MPa	35	mm	-	119	M48X2	41	M36X2	20	25	kg	0,84	NC16I05S001
		Psi	5075	inch	-	4,69		1,61		0,79	0,98	lb	1,85	
QC VGA 30S BK MALE		MPa	35	mm	57	124,5	-	46	M42X2	25	30	kg	1,566	NC15I05S002
		Psi	5075	inch	2,24	4,90		1,81		0,98	1,18	lb	3,45	
QC VGA 30S BK FEMALE		MPa	35	mm	--	121	M48X2	46	M42X2	25	30	kg	0,948	NC16I05S002
		Psi	5075	inch	-	4,76		1,81		0,98	1,18	lb	2,09	

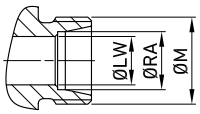


SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353) BULKHEAD

CS Carbon Steel

TYPE	DN	PN			ØA	C	Øz	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC VGA 8L BK MALE	10	MPa	42	mm	34	82		24	M14X1,5	6	8	kg	0,173	NC15M020000
		Psi	6090	inch	1,34	3,23		0,94		0,24	0,31	0,31	0,38	
QC VGA 8L BK FEMALE		MPa	42	mm	-	75,5	M28X2	24	M14X1,5	6	8	kg	0,161	NC16M020000
		Psi	6090	inch	-	2,97		0,94		0,24	0,31	lb	0,35	
QC VGA 10L BK MALE		MPa	42	mm	34	83		24	M16X1,5	8	10	kg	0,175	NC15M020001
		Psi	6090	inch	1,34	3,27		0,94		0,31	0,39	0,39	0,39	
QC VGA 10L BK FEMALE		MPa	42	mm	-	76,5	M28X2	24	M16X1,5	8	10	kg	0,178	NC16M020001
		Psi	6090	inch	-	3,01		0,94		0,31	0,39	lb	0,39	
QC VGA 10L BK MALE	12,5	MPa	42	mm	43	84		27	M16X1,5	8	10	kg	0,261	NC15M030000
		Psi	6090	inch	1,69	3,31		1,06		0,31	0,39	0,47	0,58	
QC VGA 10L BK FEMALE		MPa	42	mm	-	73,5	M36X2	27	M16X1,5	8	10	kg	0,289	NC16M030000
		Psi	6090	inch	-	2,89		1,06		0,31	0,39	lb	0,64	
QC VGA 12L BK MALE		MPa	42	mm	43	85		27	M18X1,5	10	12	kg	0,263	NC15M030001
		Psi	6090	inch	1,69	3,35		1,06		0,39	0,47	0,55	0,58	
QC VGA 12L BK FEMALE		MPa	42	mm	-	74,5	M36X2	27	M18X1,5	10	12	kg	0,266	NC16M030001
		Psi	6090	inch	-	2,93		1,06		0,39	0,47	lb	0,59	
QC VGA 15L BK MALE		MPa	42	mm	43	85		27	M22X1,5	12	15	kg	0,271	NC15M030002
		Psi	6090	inch	1,69	3,35		1,06		0,47	0,59	0,55	0,60	
QC VGA 15L BK FEMALE		MPa	42	mm	-	74,5	M36X2	27	M22X1,5	12	15	kg	0,274	NC16M030002
		Psi	6090	inch	-	2,93		1,06		0,47	0,59	0,55	0,60	
QC VGA 18L BK MALE		MPa	42	mm	43	85		27	M26X1,5	15	18	kg	0,279	NC15M030003
		Psi	6090	inch	1,69	3,35		1,06		0,59	0,71	0,63	0,62	
QC VGA 18L BK FEMALE		MPa	42	mm	-	74,5	M36X2	27	M26X1,5	15	18	kg	0,282	NC16M030003
		Psi	6090	inch	-	2,93		1,06		0,59	0,71	lb	0,62	
QC VGA 15L BK MALE	20	MPa	42	mm	48	92		34	M22X1,5	12	15	kg	0,385	NC15M040000
		Psi	6090	inch	1,89	3,62		1,34		0,47	0,59	0,63	0,85	
QC VGA 15L BK FEMALE		MPa	42	mm	-	91	M42X2	34	M22X1,5	12	15	kg	0,438	NC16M040000
		Psi	6090	inch	-	3,58		1,34		0,47	0,59	lb	0,97	
QC VGA 18L BK MALE		MPa	42	mm	48	92		34	M26X1,5	15	18	kg	0,398	NC15M040001
		Psi	6090	inch	1,89	3,62		1,34		0,59	0,71	0,79	0,88	
QC VGA 18L BK FEMALE		MPa	42	mm	-	91	M42X2	34	M26X1,5	15	18	kg	0,446	NC16M040001
		Psi	6090	inch	-	3,58		1,34		0,59	0,71	lb	0,98	
QC VGA 22L BK MALE		MPa	42	mm	48	99		34	M30X2	19	22	kg	0,413	NC15M040002
		Psi	6090	inch	1,89	3,90		1,34		0,75	0,87	0,79	0,91	
QC VGA 22L BK FEMALE		MPa	42	mm	-	98	M42X2	34	M30X2	19	22	kg	0,466	NC16M040002
		Psi	6090	inch	-	3,86		1,34		0,75	0,87	lb	1,03	
QC VGA 22L BK MALE	25	MPa	35	mm	57	118,5		41	M30X2	19	22	kg	0,767	NC15M050000
		Psi	5075	inch	2,24	4,67		1,61		0,75	0,87	0,98	1,69	
QC VGA 22L BK FEMALE		MPa	35	mm	-	115	M48x2	41	M30X2	19	22	kg	0,764	NC16M050000
		Psi	5075	inch	-	4,53		1,61		0,75	0,87	lb	1,68	
QC VGA 28L BK MALE		MPa	35	mm	57	118,5		41	M36X2	24	28	kg	0,786	NC15M050001
		Psi	5075	inch	2,24	4,67		1,61		0,94	1,10	1,18	1,73	
QC VGA 28L BK FEMALE		MPa	35	mm	-	115	M48x2	41	M36X2	24	28	kg	0,784	NC16M050001
		Psi	5075	inch	-	4,53		1,61		0,94	1,10	lb	1,73	

The company reserves the right to operate dimensional changes without prior notice.



SCREW-TO-CONNECT-COUPLINGS ISO 14541 (male / female)
MALE THREAD METRIC ISO 8434-1-L (DIN 2353) BULKHEAD

SS Stainless Steel

TYPE	DN	PN			ØA	C	Øz	ch	ØM	ØLW	ØRA	WEIGHT		ITEM CODE
QC VGA 8L BK MALE	10	MPa	42	mm	34	82		24	M14X1,5	6	8	kg	0,173	NC15M02S000
		Psi	6090	inch	1,34	3,23		0,00		0,94	0,24	0,31	0,38	
QC VGA 8L BK FEMALE		MPa	42	mm	-	75,5	M28X2	24	M14X1,5	6	8	kg	0,161	NC16M02S000
		Psi	6090	inch	-	2,97		0,94		0,24	0,31	lb	0,35	
QC VGA 10L BK MALE		MPa	42	mm	34	83		24	M16X1,5	8	10	kg	0,175	NC15M02S001
		Psi	6090	inch	1,34	3,27		0,00		0,94	0,31	0,39	0,39	
QC VGA 10L BK FEMALE		MPa	42	mm	-	76,5	M28X2	24	M16X1,5	8	10	kg	0,178	NC16M02S001
		Psi	6090	inch	-	3,01		0,94		0,31	0,39	lb	0,39	
QC VGA 10L BK MALE	12,5	MPa	42	mm	43	84		27	M16X1,5	8	10	kg	0,261	NC15M03S000
		Psi	6090	inch	1,69	3,31		0,00		1,06	0,31	0,39	0,58	
QC VGA 10L BK FEMALE		MPa	42	mm	-	73,5	M36X2	27	M16X1,5	8	10	kg	0,289	NC16M03S000
		Psi	6090	inch	-	2,89		1,06		0,31	0,39	lb	0,64	
QC VGA 12L BK MALE		MPa	42	mm	43	85		27	M18X1,5	10	12	kg	0,263	NC15M03S001
		Psi	6090	inch	1,69	3,35		0,00		1,06	0,39	0,47	0,58	
QC VGA 12L BK FEMALE		MPa	42	mm	-	74,5	M36X2	27	M18X1,5	10	12	kg	0,266	NC16M03S001
		Psi	6090	inch	-	2,93		1,06		0,39	0,47	lb	0,59	
QC VGA 15L BK MALE		MPa	42	mm	43	85		27	M22X1,5	12	15	kg	0,271	NC15M03S002
		Psi	6090	inch	1,69	3,35		0,00		1,06	0,47	0,59	0,60	
QC VGA 15L BK FEMALE		MPa	42	mm	-	74,5	M36X2	27	M22X1,5	12	15	kg	0,274	NC16M03S002
		Psi	6090	inch	-	2,93		1,06		0,47	0,59	0,55	0,60	
QC VGA 18L BK MALE		MPa	42	mm	43	85		27	M26X1,5	15	18	kg	0,279	NC15M03S003
		Psi	6090	inch	1,69	3,35		0,00		1,06	0,59	0,71	0,62	
QC VGA 18L BK FEMALE		MPa	42	mm	-	74,5	M36X2	27	M26X1,5	15	18	kg	0,282	NC16M03S003
		Psi	6090	inch	-	2,93		1,06		0,59	0,71	lb	0,62	
QC VGA 15L BK MALE	20	MPa	42	mm	48	92		34	M22X1,5	12	15	kg	0,385	NC15M04S000
		Psi	6090	inch	1,89	3,62		0,00		1,34	0,47	0,59	0,85	
QC VGA 15L BK FEMALE		MPa	42	mm	-	91	M42X2	34	M22X1,5	12	15	kg	0,438	NC16M04S000
		Psi	6090	inch	-	3,58		1,34		0,47	0,59	lb	0,97	
QC VGA 18L BK MALE		MPa	42	mm	48	92		34	M26X1,5	15	18	kg	0,398	NC15M04S001
		Psi	6090	inch	1,89	3,62		0,00		1,34	0,59	0,71	0,88	
QC VGA 18L BK FEMALE		MPa	42	mm	-	91	M42X2	34	M26X1,5	15	18	kg	0,446	NC16M04S001
		Psi	6090	inch	-	3,58		1,34		0,59	0,71	lb	0,98	
QC VGA 22L BK MALE		MPa	42	mm	48	99		34	M30X2	19	22	kg	0,413	NC15M04S002
		Psi	6090	inch	1,89	3,90		0,00		1,34	0,75	0,87	0,91	
QC VGA 22L BK FEMALE		MPa	42	mm	-	98	M42X2	34	M30X2	19	22	kg	0,466	NC16M04S002
		Psi	6090	inch	-	3,86		1,34		0,75	0,87	lb	1,03	
QC VGA 22L BK MALE	25	MPa	35	mm	57	118,5		41	M30X2	19	22	kg	0,767	NC15M05S000
		Psi	5075	inch	2,24	4,67		0,00		1,61	0,75	0,87	1,69	
QC VGA 22L BK FEMALE		MPa	35	mm	-	115	M48x2	41	M30X2	19	22	kg	0,764	NC16M05S000
		Psi	5075	inch	-	4,53		1,61		0,75	0,87	lb	1,68	
QC VGA 28L BK MALE		MPa	35	mm	57	118,5		41	M36X2	24	28	kg	0,786	NC15M05S001
		Psi	5075	inch	2,24	4,67		0,00		1,61	0,94	1,10	1,73	
QC VGA 28L BK FEMALE		MPa	35	mm	-	115	M48x2	41	M36X2	24	28	kg	0,784	NC16M05S001
		Psi	5075	inch	-	4,53		1,61		0,94	1,10	lb	1,73	

VGB

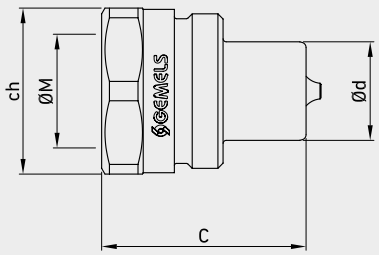
QUICK COUPLINGS

Edition. 21.3

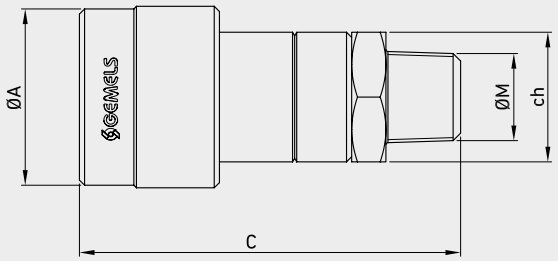
CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 14540
- Sizes: from DN6 up to DN10
- Pressure: up to PN700

Male



Female



Available also in patented version: ball valve with integrated quick coupling.



CODE DESCRIPTION STRUCTURE

QC	1/4	M/F	6,3	1	B

Type of coupling
VGB

Ends
ASME B1.20.1
NPT
N 1/4 M
N 3/8 M

MALE
FEMALE

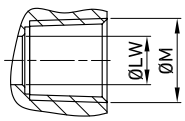
DN/ISO
6,3

Body Material
● **1** = 1,0737

Seal material
● **B** = NBR **E** = FKM*



*On request
Cups
Plugs
with ball instead of poppet



QUICK COUPLINGS ISO 14540 VGB (MALE/FEMALE) MALE THREAD ASME B1.20.1 NPT WITH POPPET

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		ITEM CODE
QC VGB N 1/4M MALE	6,3	MPa	70	mm	-	32,5	15,9	19	NPT 1/4	kg	0,113	NC17N010000
		Psi	10150	inch	-	1,28	0,63			lb	0,25	
QC VGB N 1/4M FEMALE	6,3	MPa	70	mm	28,5	60,8	-	22	NPT 1/4	kg	0,07	NC18N010000
		Psi	10150	inch	1,12	2,39	-			lb	0,15	
QC VGB N 3/8M MALE	10	MPa	70	mm	-	35	19	32	NPT 3/8	kg	0,221	NC17N020000
		Psi	10150	inch	-	1,38	0,75			lb	0,49	
QC VGB N 3/8M FEMALE	10	MPa	70	mm	35	75,3	-	25	NPT 3/8	kg	0,111	NC18N020000
		Psi	10150	inch	1,38	2,96	-			lb	0,24	

QUICK COUPLINGS ISO 14540 VGB (MALE/FEMALE) MALE THREAD ASME B1.20.1 NPT WITH BALL

CS Carbon Steel

TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		ITEM CODE
QC VGB N 1/4M BALL MALE	6,3	MPa	70	mm	-	32,5	15,9	19	NPT 1/4	kg	0,113	NC17N010001
		Psi	10150	inch	-	1,28	0,63			lb	0,25	
QC VGB N 1/4M BALL FEMALE	6,3	MPa	70	mm	28,5	60,8	-	22	NPT 1/4	kg	0,07	NC18N010001
		Psi	10150	inch	1,12	2,39	-			lb	0,15	
QC VGB N 3/8M BALL MALE	10	MPa	70	mm	-	35	19	32	NPT 3/8	kg	0,221	NC17N020001
		Psi	10150	inch	-	1,38	0,75			lb	0,49	
QC VGB N 3/8M BALL FEMALE	10	MPa	70	mm	35	75,3	-	25	NPT 3/8	kg	0,111	NC18N020001
		Psi	10150	inch	1,38	2,96	-			lb	0,24	

DG

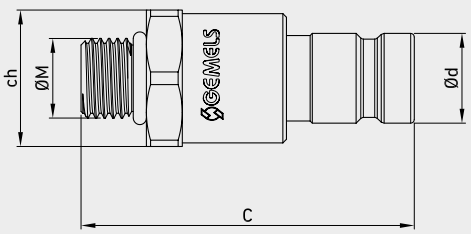
QUICK COUPLINGS

Edition. 21.2

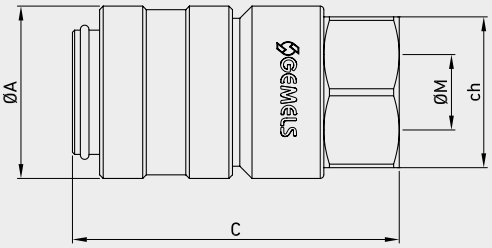
CS Carbon Steel

- Type: Quick Couplings
- Models: ISO 15171-1
- Sizes: from DN6
- Pressure: up to PN500

Male



Female



Available also in patented version:
ball valve with integrated quick coupling.





CODE DESCRIPTION STRUCTURE

QC	1/4	M/F	DN6,3	1	B

Type of coupling
DG

Ends

ISO 1179-1 BSPP	ASME B1.20.1 NPT	ISO 11926-1 (SAE J1926-1) ORB
G1/8	N 1/8	SAE 4
G1/4	N 1/4	

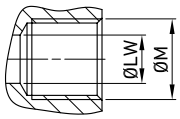
MALE
FEMALE

DN/ISO
6,3

Body Material
● **1** = 1,0737

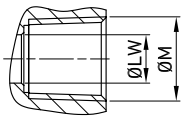
Seal material
B = NBR **E** = FKM*

*On request
- Cups
- Plugs



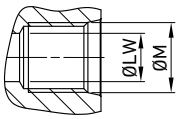
QUICK COUPLINGS ISO 15171-1 DG (male-female) FEMALE THREAD ISO 1179-1 BSPP

												CS Carbon Steel
TYPE	DN	PN		ØA		C	Ød	ch	ØM	WEIGHT		ITEM CODE
QC DG G 1/8 MALE	6,3	MPa	50	mm	-	42,8	12,6	19	G 1/8	kg	0,039	NC19G010000
		Psi	7250	inch	-	1,69	0,50			lb	0,09	
QC DG G 1/8 FEMALE		MPa	50	mm	24	50	-	21	G 1/8	kg	0,048	NC20G010000
		Psi	7250	inch	0,94	1,97	-			lb	0,11	
QC DG G 1/4 MALE	6,3	MPa	50	mm	-	42,8	12,6	19	G 1/4	kg	0,049	NC19G010001
		Psi	7250	inch	-	1,69	0,50			lb	0,11	
QC DG G 1/4 FEMALE		MPa	50	mm	24	50	-	21	G 1/4	kg	0,05	NC20G010001
		Psi	7250	inch	0,94	1,97	-			lb	0,11	



QUICK COUPLINGS ISO 15171-1 DG (male-female) FEMALE THREAD ASME B1.20.1 NPT

												CS Carbon Steel
TYPE	DN	PN		ØA		C	Ød	ch	ØM	WEIGHT		ITEM CODE
QC DG N 1/8 MALE	6,3	MPa	50	mm	-	42,8	12,6	19	N 1/8	kg	0,039	NC19N010000
		Psi	7250	inch	-	1,69	0,50			lb	0,09	
QC DG N 1/8 FEMALE		MPa	50	mm	24	50	-	21	N 1/8	kg	0,048	NC20N010000
		Psi	7250	inch	0,94	1,97	-			lb	0,11	
QC DG N 1/4 MALE	6,3	MPa	50	mm	-	42,8	12,6	19	N 1/4	kg	0,049	NC19N010001
		Psi	7250	inch	-	1,69	0,50			lb	0,11	
QC DG N 1/4 FEMALE		MPa	50	mm	24	50	-	21	N 1/4	kg	0,05	NC20N010001
		Psi	7250	inch	0,94	1,97	-			lb	0,11	



QUICK COUPLINGS ISO 15171-1 DG (male-female) FEMALE THREAD ISO 11926-1 (SAE J1926-1) ORB

TYPE	DN	PN			ØA	C	Ød	ch	ØM	WEIGHT		CS Carbon Steel ITEM CODE
QC DG SAE4 MALE	6,3	MPa	50	mm	-	42,8	12,6	19	SAE 4 M	kg	0,049	NC19T010000
		Psi	7250	inch	-	1,69	0,50			lb	0,11	
QC DG SAE 4 FEMALE		MPa	50	mm	24	50	-	21	SAE 4	kg	0,05	NC20S010000
		Psi	7250	inch	0,94	1,97	-			lb	0,11	

BALL VALVES WITH INTEGRATED QUICK COUPLINGS

GE2 FF / GE2 A / GE2 PP / GE2 VGA

PATENT

Edition. 21.2

CS Carbon Steel

- Carbon Steel
- Model: Ball Valve GE2 with Integrated Quick Coupling **FLAT FACE**
- Sizes: from DN10 up to DN25
- Pressure: up to PN420

- Model: Ball Valve GE2 with Integrated Quick Coupling **ISO A**
- Sizes: from DN10 up to DN25
- Pressure: up to PN420

- Model: Ball Valve GE2 with Integrated Quick Coupling **PUSH-PULL**
- Sizes: from DN10 up to DN25
- Pressure: up to PN420

- Model: Ball Valve GE2 with Integrated Quick Coupling **VGA**
- Sizes: from DN10 up to DN25
- Pressure: up to PN420

AVAILABLE ALSO IN OTHER MODELS OF BALL VALVES AND QUICK COULPLINGS





CODE DESCRIPTION STRUCTURE

GE2 **G1/2** **DN13** **FF**

Type and way of valve
GE2 2-way

Ends

Nominal dimension

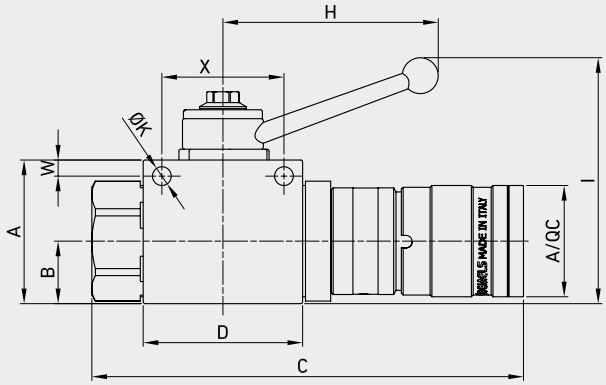
GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES		TYPE AND WAY OF QC	M/F	NOMINAL DIMENSION
G 3/8	N 3/8	SAE6	12S	10L	DN10	ISO 16028 FF	MALE	10
G 1/2	N 1/2	SAE8	14S	12L	DN13	ISO 7241/A	FEMALE	12,5
G 3/4	N 3/4	SAE12	16S	15L	DN20	ISO 7241/A PUSH-PULL		20
G 1	N 1	SAE16	20S	18L	DN25	Screw to connect couplings ISO 14541		25
			25S	22L				
			30S	28L				
			38S	35L				

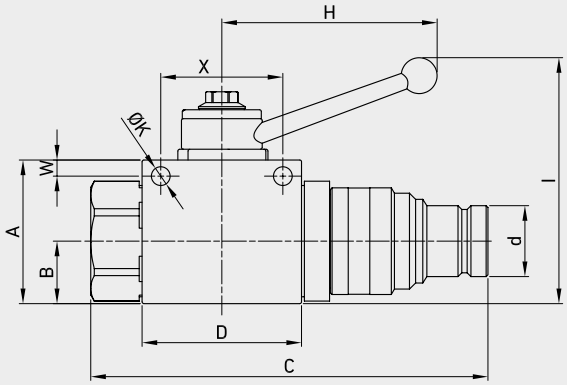
GE2 FF

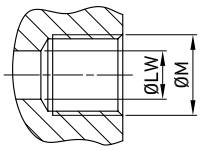




FIXING HOLES INCLUDED







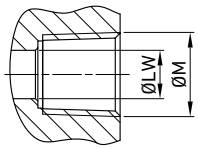
GE2 DIN/ISO 228 BSP + ISO 16028 FLAT FACE

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 G3/8 + QC FF 10 MALE	6	MPa	42	mm	40	17,4	110,6	44,4	19,75	11	54,25	35	110	93	-	G 3/8	5,25	4,5	34	9	10	NC05G0200GET230
		Psi	6090	inch	1,57	0,69	4,35	1,75	0,78	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	
GE2 G3/8 + QC FF 10 FEMALE	10	MPa	42	mm	40	17,4	120,2	44,4	-	11	54,25	35	110	93	31	G 3/8	5,25	4,5	34	9	10	NC06G0200GET230
		Psi	6090	inch	1,57	0,69	4,73	1,75	-	0,43	2,14	1,38	4,33	3,66	1,22		0,21	0,18	1,34	0,35	0,39	
GE2 G1/2 + QC FF 12,5 MALE	13	MPa	42	mm	43	19,7	123,5	48,4	24,5	11	57	37	110	97	-	G 1/2	5,25	5	36	9	13	NC05G0300GET330
		Psi	6090	inch	1,69	0,78	4,86	1,91	0,96	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	
GE2 G1/2 + QC FF 12,5 FEMALE	20	MPa	42	mm	43	19,7	129,5	48,4	-	11	57	37	110	97	38	G 1/2	5,25	5	36	9	13	NC06G0300GET330
		Psi	6090	inch	1,69	0,78	5,10	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	
GE2 G3/4 + QC FF 19 MALE	25	MPa	35	mm	57	25,4	139	62,5	29,95	14	75,5	49	180	105	-	G 3/4	6,25	6	50	14	20	NC05G0400GET430
		Psi	5075	inch	2,24	1,00	5,47	2,46	1,18	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	
GE2 G3/4 + QC FF 19 FEMALE	25	MPa	35	mm	57	25,4	150	62,5	-	14	75,5	49	180	105	45	G 3/4	6,25	6	50	14	20	NC06G0400GET430
		Psi	5075	inch	2,24	1,00	5,91	2,46	-	0,55	2,97	1,93	7,09	4,13	1,77		0,25	0,24	1,97	0,55	0,79	
GE2 G1 + QC FF 25 MALE	25	MPa	35	mm	65	29,5	172,5	66,5	36	14	83,5	55	180	113	-	G 1	6,25	6	50	14	25	NC05G0500GET530
		Psi	5075	inch	2,56	1,16	6,79	2,62	1,42	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	
GE2 G1 + QC FF 25 FEMALE	25	MPa	35	mm	65	29,5	172,5	66,5	-	14	83,5	55	180	113	54,5	G 1	6,25	6	50	14	25	NC06G0500GET530
		Psi	5075	inch	2,56	1,16	6,79	2,62	-	0,55	3,29	2,17	7,09	4,45	2,15		0,25	0,24	1,97	0,55	0,98	

The company reserves the right to operate dimensional changes without prior notice.

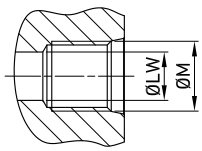
GE2 FF



GE2 ANSI/ASME B1.20.1 NPT + ISO 16028 FLAT FACE

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 N3/8 + QC FF 10 MALE	10	MPa	42	mm	40	17,4	110,6	44,4	19,75	11	54,25	35	110	93	-	N 3/8	5,25	4,5	34	9	10	NC05N0200GET230
		Psi	6090	inch	1,57	0,69	4,35	1,75	0,78	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	
GE2 N3/8 + QC FF 10 FEMALE	10	MPa	42	mm	40	17,4	120,2	44,4	-	11	54,25	35	110	93	31	N 3/8	5,25	4,5	34	9	10	NC06N0200GET230
		Psi	6090	inch	1,57	0,69	4,73	1,75	-	0,43	2,14	1,38	4,33	3,66	1,22		0,21	0,18	1,34	0,35	0,39	
GE2 N1/2 + QC FF 12,5 MALE	13	MPa	42	mm	43	19,7	123,5	48,4	24,5	11	57	37	110	97	-	N 1/2	5,25	5	36	9	13	NC05N0300GET330
		Psi	6090	inch	1,69	0,78	4,86	1,91	0,96	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	
GE2 N1/2 + QC FF 12,5 FEMALE	13	MPa	42	mm	43	19,7	129,5	48,4	-	11	57	37	110	97	38	N 1/2	5,25	5	36	9	13	NC06N0300GET330
		Psi	6090	inch	1,69	0,78	5,10	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	
GE2 N3/4 + QC FF 19 MALE	19	MPa	35	mm	57	25,4	139	62,5	29,95	14	75,5	49	180	105	-	N 3/4	6,25	6	50	14	20	NC05N0400GET430
		Psi	5075	inch	2,24	1,00	5,47	2,46	1,18	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	
GE2 N3/4 + QC FF 19 FEMALE	19	MPa	35	mm	57	25,4	150	62,5	-	14	75,5	49	180	105	45	N 3/4	6,25	6	50	14	20	NC06N0400GET430
		Psi	5075	inch	2,24	1,00	5,91	2,46	-	0,55	2,97	1,93	7,09	4,13	1,77		0,25	0,24	1,97	0,55	0,79	
GE2 N1 + QC FF 25 MALE	25	MPa	35	mm	65	29,5	172,5	66,5	36	14	83,5	55	180	113	-	N 1	6,25	6	50	14	25	NC05N0500GET530
		Psi	5075	inch	2,56	1,16	6,79	2,62	1,42	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	
GE2 N1 + QC FF 25 FEMALE	25	MPa	35	mm	65	29,5	172,5	66,5	-	14	83,5	55	180	113	54,5	N 1	6,25	6	50	14	25	NC06N0500GET530
		Psi	5075	inch	2,56	1,16	6,79	2,62	-	0,55	3,29	2,17	7,09	4,45	2,15		0,25	0,24	1,97	0,55	0,98	



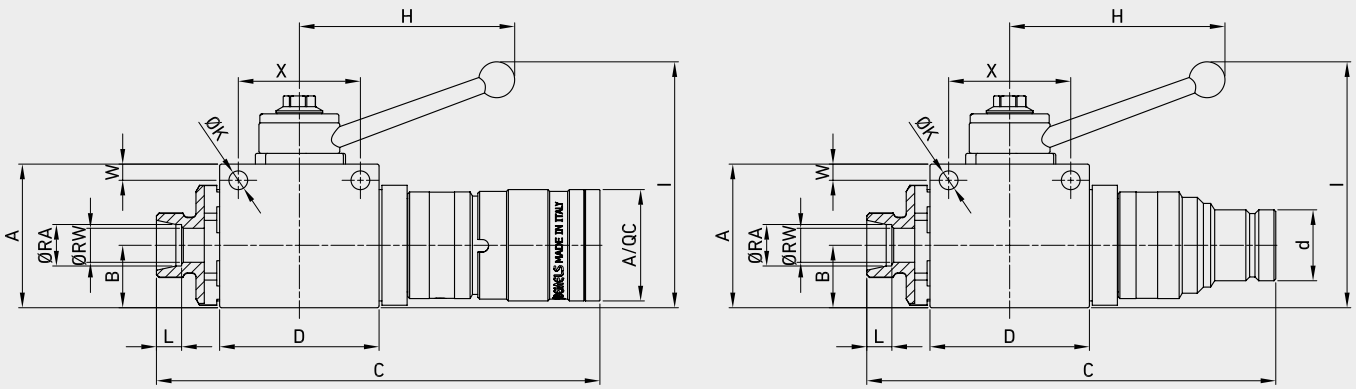
GE2 SAE J1926-1 + ISO 16028 FLAT FACE

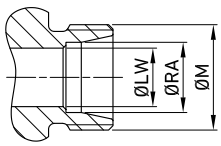
CS Carbon Steel

TYPE	DN	PN			A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 SAE6 + QC FF 10 MALE	10	MPa	42	mm	40	17,5	110,6	44,4	19,75	11,1	54,25	35	110	93	-	9/16 UNF	5,25	4,5	34	9	10	NC05S0200GET230
		Psi	6090	inch	1,57	0,69	4,35	1,75	0,78	0,44	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	
GE2 SAE6 + QC FF 10 FEMALE	10	MPa	42	mm	40	17,5	120,2	44,4	-	11,1	54,25	35	110	93	31	9/16 UNF	5,25	4,5	34	9	10	NC06S0200GET230
		Psi	6090	inch	1,57	0,69	4,73	1,75	-	0,44	2,14	1,38	4,33	3,66	1,22		0,21	0,18	1,34	0,35	0,39	
GE2 SAE8 + QC FF 12,5 MALE	13	MPa	42	mm	43	19,7	123,5	48,4	24,5	11,1	57,25	37	110	97	-	3/4 UNF	5,25	5	36	9	13	NC05S0300GET330
		Psi	6090	inch	1,69	0,78	4,86	1,91	0,96	0,44	2,25	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	
GE2 SAE8 + QC FF 12,5 FEMALE	13	MPa	42	mm	43	19,7	129,5	48,4	-	11,1	57,25	37	110	97	38	3/4 UNF	5,25	5	36	9	13	NC06S0300GET330
		Psi	6090	inch	1,69	0,78	5,10	1,91	-	0,44	2,25	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	
GE2 SAE12 + QC FF 19 MALE	19	MPa	35	mm	57	25,4	139	62,5	29,95	14,35	75,5	49	180	105	-	1 1/16 UNF	6,25	6	50	14	20	NC05S0400GET430
		Psi	5075	inch	2,24	1,00	5,47	2,46	1,18	0,56	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	
GE2 SAE12 + QC FF 19 FEMALE	19	MPa	35	mm	57	25,4	150	62,5	-	14,35	75,5	49	180	105	45	1 1/16 UNF	6,25	6	50	14	20	NC06S0400GET430
		Psi	5075	inch	2,24	1,00	5,91	2,46	-	0,56	2,97	1,93	7,09	4,13	1,77		0,25	0,24	1,97	0,55	0,79	
GE2 SAE16 + QC FF 25 MALE	25	MPa	35	mm	65	29,5	172,5	66,5	36	14,35	83,5	55	180	113	-	1 5/16 UNF	6,25	6	50	14	25	NC05S0500GET530
		Psi	5075	inch	2,56	1,16	6,79	2,62	1,42	0,56	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	
GE2 SAE16 + QC FF 25 FEMALE	25	MPa	35	mm	65	29,5	172,5	66,5	-	14,35	83,5	55	180	113	54,5	1 5/16 UNF	6,25	6	50	14	25	NC06S0500GET530
		Psi	5075	inch	2,56	1,16	6,79	2,62	-	0,56	3,29	2,17	7,09	4,45	2,15		0,25	0,24	1,97	0,55	0,98	

GE2 FF

FIXING HOLES INCLUDED





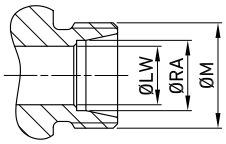
GE2 DIN 2353 HEAVY SERIES + ISO 16028 FLAT FACE

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ØRA	ITEM CODE
GE2 12S + QC FF 10 MALE	10	MPa 42	mm	40	17,4	112,1	44,4	19,75	11	54,25	35	110	93	-	M20x1,5	5,25	4,5	34	9	10	12	NC05H0200GET230
		Psi 6090	inch	1,57	0,69	4,41	1,75	0,78	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 12S + QC FF 10 FEMALE	10	MPa 42	mm	40	17,4	121,7	44,4	-	11	54,25	35	110	93	31	M20x1,5	5,25	4,5	34	9	10	12	NC06H0200GET230
		Psi 6090	inch	1,57	0,69	4,79	1,75	-	0,43	2,14	1,38	4,33	3,66	1,22		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 14S + QC FF 10 MALE	10	MPa 42	mm	40	17,4	115,3	44,4	19,75	11	54,25	35	110	93	-	M22x1,5	5,25	4,5	34	9	10	14	NC05H0201GET230
		Psi 6090	inch	1,57	0,69	4,54	1,75	0,78	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	0,55	
GE2 14S + QC FF 10 FEMALE	10	MPa 42	mm	40	17,4	125	44,4	-	11	54,25	35	110	93	31	M22x1,5	5,25	4,5	34	9	10	14	NC06H0201GET230
		Psi 6090	inch	1,57	0,69	4,92	1,75	-	0,43	2,14	1,38	4,33	3,66	1,22		0,21	0,18	1,34	0,35	0,39	0,55	
GE2 16S + QC FF 12,5 MALE	13	MPa 42	mm	43	19,7	126,5	48,4	24,5	11	57	37	110	97	-	M24x1,5	5,25	5	36	9	13	16	NC05H0300GET330
		Psi 6090	inch	1,69	0,78	4,98	1,91	0,96	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,63	
GE2 16S + QC FF 12,5 FEMALE	13	MPa 42	mm	43	19,7	132,5	48,4	-	11	57	37	110	97	38	M24x1,5	5,25	5	36	9	13	16	NC06H0300GET330
		Psi 6090	inch	1,69	0,78	5,22	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	0,63	
GE2 20S + QC FF 12,5 MALE	13	MPa 42	mm	43	19,7	128,5	48,4	24,5	11	57	37	110	97	-	M30x2	5,25	5	36	9	13	20	NC05H0301GET330
		Psi 6090	inch	1,69	0,78	5,06	1,91	0,96	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,79	
GE2 20S + QC FF 12,5 FEMALE	13	MPa 42	mm	43	19,7	134,5	48,4	-	11	57	37	110	97	38	M30x2	5,25	5	36	9	13	20	NC06H0301GET330
		Psi 6090	inch	1,69	0,78	5,30	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	0,79	
GE2 25S + QC FF 19 MALE	19	MPa 35	mm	57	25,4	147,2	62,5	29,95	14	75,5	49	180	105	-	M36x2	6,25	6	50	14	20	25	NC05H0400GET430
		Psi 5075	inch	2,24	1,00	5,80	2,46	1,18	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	0,98	
GE2 25S + QC FF 19 FEMALE	19	MPa 35	mm	57	25,4	158	62,5	-	14	75,5	49	180	105	45	M36x2	6,25	6	50	14	20	25	NC06H0400GET430
		Psi 5075	inch	2,24	1,00	6,22	2,46	-	0,55	2,97	1,93	7,09	4,13	1,77		0,25	0,24	1,97	0,55	0,79	0,98	
GE2 30S + QC FF 25 MALE	25	MPa 35	mm	65	29,5	176,5	66,5	36	14	83,5	55	180	113	-	M42x2	6,25	6	50	14	25	30	NC05H0500GET530
		Psi 5075	inch	2,56	1,16	6,95	2,62	1,42	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,18	
GE2 30S + QC FF 25 FEMALE	25	MPa 35	mm	65	29,5	176,5	66,5	-	14	83,5	55	180	113	54,5	M42x2	6,25	6	50	14	25	30	NC06H0500GET530
		Psi 5075	inch	2,56	1,16	6,95	2,62	-	0,55	3,29	2,17	7,09	4,45	2,15		0,25	0,24	1,97	0,55	0,98	1,18	
GE2 38S + QC FF 25 MALE	25	MPa 35	mm	65	29,5	182	66,5	36	14	83,5	55	180	113	-	M52x2	6,25	6	50	14	25	38	NC05H0501GET530
		Psi 5075	inch	2,56	1,16	7,17	2,62	1,42	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,50	
GE2 38S + QC F F 25 FEMALE	25	MPa 35	mm	65	29,5	182	66,5	-	14	83,5	55	180	113	54,5	M52x2	6,25	6	50	14	25	38	NC06H0501GET530
		Psi 5075	inch	2,56	1,16	7,17	2,62	-	0,55	3,29	2,17	7,09	4,45	2,15		0,25	0,24	1,97	0,55	0,98	1,50	

The company reserves the right to operate dimensional changes without prior notice.

GE2 FF



GE2 DIN 2353 LIGHT SERIES + ISO 16028 FLAT FACE

CS Carbon Steel

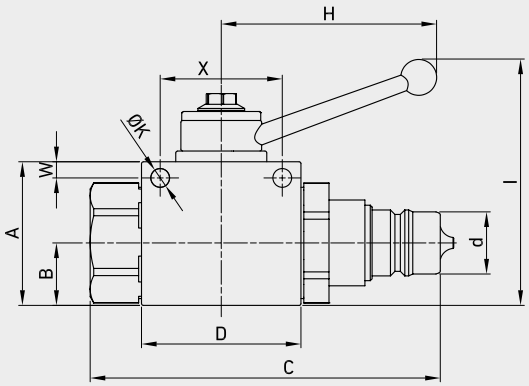
TYPE	DN	PN		A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ØRA	ITEM CODE
GE2 10L + QC FF 10 MALE	10	MPa 42	mm	40	17,4	112,3	44,4	19,75	11	54,25	35	110	93	-	M16x1,5	5,25	4,5	34	9	8	10	NC05L0200GET230
		Psi 6090	inch	1,57	0,69	4,42	1,75	0,78	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,31	0,39	
GE2 10L + QC FF 10 FEMALE	10	MPa 42	mm	40	17,4	122	44,4	-	11	54,25	35	110	93	31	M16x1,5	5,25	4,5	34	9	8	10	NC06L0200GET230
		Psi 6090	inch	1,57	0,69	4,80	1,75	-	0,43	2,14	1,38	4,33	3,66	1,22		0,21	0,18	1,34	0,35	0,31	0,39	
GE2 12L + QC FF 10 MALE	10	MPa 42	mm	40	17,4	113,9	44,4	19,75	11	54,25	35	110	93	-	M18x1,5	5,25	4,5	34	9	10	12	NC05L0201GET230
		Psi 6090	inch	1,57	0,69	4,48	1,75	0,78	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 12L + QC FF 10 FEMALE	10	MPa 42	mm	40	17,4	123,5	44,4	-	11	54,25	35	110	93	31	M18x1,5	5,25	4,5	34	9	10	12	NC06L0201GET230
		Psi 6090	inch	1,57	0,69	4,86	1,75	-	0,43	2,14	1,38	4,33	3,66	1,22		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 15L + QC FF 12,5 MALE	13	MPa 42	mm	43	19,7	125,5	48,4	24,5	11	57	37	110	97	-	M22x1,5	5,25	5	36	9	13	15	NC05L0300GET330
		Psi 6090	inch	1,69	0,78	4,94	1,91	0,96	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,59	
GE2 15L + QC FF 12,5 FEMALE	13	MPa 42	mm	43	19,7	131,5	48,4	-	11	57	37	110	97	38	M22x1,5	5,25	5	36	9	13	15	NC06L0300GET330
		Psi 6090	inch	1,69	0,78	5,18	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	0,59	
GE2 18L + QC FF 12,5 MALE	13	MPa 42	mm	43	19,7	125,5	48,4	24,5	11	57	37	110	97	-	M26x1,5	5,25	5	36	9	13	18	NC05L0301GET330
		Psi 6090	inch	1,69	0,78	4,94	1,91	0,96	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,71	
GE2 18L + QC FF 12,5 FEMALE	13	MPa 42	mm	43	19,7	131,5	48,4	-	11	57	37	110	97	38	M26x1,5	5,25	5	36	9	13	18	NC06L0301GET330
		Psi 6090	inch	1,69	0,78	5,18	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	0,71	
GE2 22L + QC FF 19 MALE	19	MPa 35	mm	57	25,4	146,7	62,5	29,95	14	75,5	49	180	105	-	M30x2	6,25	6	50	14	20	22	NC05L0400GET430
		Psi 5075	inch	2,24	1,00	5,78	2,46	1,18	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	0,87	
GE2 22L + QC FF 19 FEMALE	19	MPa 35	mm	57	25,4	157,7	62,5	-	14	75,5	49	180	105	45	M30x2	6,25	6	50	14	20	22	NC06L0400GET430
		Psi 5075	inch	2,24	1,00	6,21	2,46	-	0,55	2,97	1,93	7,09	4,13	1,77		0,25	0,24	1,97	0,55	0,79	0,87	
GE2 28L + QC FF 25 MALE	25	MPa 35	mm	65	29,5	175	66,5	36	14	83,5	55	180	113	-	M36x2	6,25	6	50	14	25	28	NC05L0500GET530
		Psi 5075	inch	2,56	1,16	6,89	2,62	1,42	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,10	
GE2 28L + QC FF 25 FEMALE	25	MPa 35	mm	65	29,5	175	66,5	-	14	83,5	55	180	113	54,5	M36x2	6,25	6	50	14	25	28	NC06L0500GET530
		Psi 5075	inch	2,56	1,16	6,89	2,62	-	0,55	3,29	2,17	7,09	4,45	2,15		0,25	0,24	1,97	0,55	0,98	1,10	
GE2 35L + QC FF 25 MALE	25	MPa 35	mm	65	29,5	176	66,5	36	14	83,5	55	180	113	-	M45x2	6,25	6	50	14	25	35	NC05L0501GET530
		Psi 5075	inch	2,56	1,16	6,93	2,62	1,42	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,38	
GE2 35L + QC FF 25 FEMALE	25	MPa 35	mm	65	29,5	176	66,5	-	14	83,5	55	180	113	54,5	M45x2	6,25	6	50	14	25	35	NC06L0501GET530
		Psi 5075	inch	2,56	1,16	6,93	2,62	-	0,55	3,29	2,17	7,09	4,45	2,15		0,25	0,24	1,97	0,55	0,98	1,38	

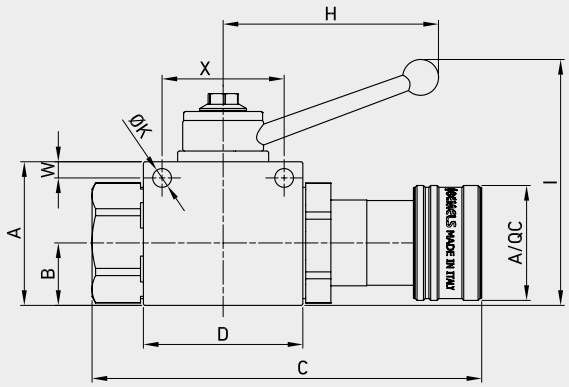
GE2 A

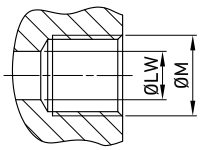




FIXING HOLES INCLUDED







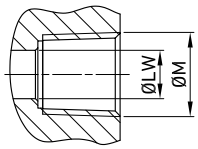
GE2 DIN/ISO 228 BSP + ISO 7241/A

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 G3/8 + QC A 10 MALE	10	MPa 42	mm	40	17,4	97,5	44,4	17,3	11	54,25	35	110	93	-	G 3/8	5,25	4,5	34	9	10	NC01G0200GET230
		Psi 6090	inch	1,57	0,69	3,84	1,75	0,68	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	
GE2 G3/8 + QC A 10 FEMALE	10	MPa 42	mm	40	17,4	108,5	44,4	-	11	54,25	35	110	93	32	G 3/8	5,25	4,5	34	9	10	NC02G0200GET230
		Psi 6090	inch	1,57	0,69	4,27	1,75	-	0,43	2,14	1,38	4,33	3,66	1,26		0,21	0,18	1,34	0,35	0,39	
GE2 G1/2 + QC A 12,5 MALE	13	MPa 35	mm	43	19,7	114,5	48,4	20,5	11	57	37	110	97	-	G 1/2	5,25	5	36	9	13	NC01G0300GET330
		Psi 5075	inch	1,69	0,78	4,51	1,91	0,81	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	
GE2 G1/2 + QC A 12,5 FEMALE	13	MPa 35	mm	43	19,7	121	48,4	-	11	57	37	110	97	38,25	G 1/2	5,25	5	36	9	13	NC02G0300GET330
		Psi 5075	inch	1,69	0,78	4,76	1,91	-	0,43	2,24	1,46	4,33	3,82	1,51		0,21	0,20	1,42	0,35	0,51	
GE2 G3/4 + QC A 20 MALE	20	MPa 25	mm	57	25,4	131	62,5	29,1	14	75,5	49	180	105	-	G 3/4	6,25	6	50	14	20	NC01G0400GET430
		Psi 3625	inch	2,24	1,00	5,16	2,46	1,15	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	
GE2 G3/4 + QC A 20 FEMALE	20	MPa 25	mm	57	25,4	146,5	62,5	-	14	75,5	49	180	105	48	G 3/4	6,25	6	50	14	20	NC02G0400GET430
		Psi 3625	inch	2,24	1,00	5,77	2,46	-	0,55	2,97	1,93	7,09	4,13	1,89		0,25	0,24	1,97	0,55	0,79	
GE2 G1 + QC A 25 MALE	25	MPa 25	mm	65	29,5	166,5	66,5	34,34	14	83,5	55	180	113	-	G 1	6,25	6	50	14	25	NC01G0500GET530
		Psi 3625	inch	2,56	1,16	6,56	2,62	1,35	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	
GE2 G1 + QC A 25 FEMALE	25	MPa 25	mm	65	29,5	182	66,5	-	14	83,5	55	180	113	56	G 1	6,25	6	50	14	25	NC02G0500GET530
		Psi 3625	inch	2,56	1,16	7,17	2,62	-	0,55	3,29	2,17	7,09	4,45	2,20		0,25	0,24	1,97	0,55	0,98	

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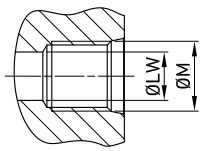
GE2 A



GE2 ANSI/ASME B1.20.1 NPT + ISO 7241/A

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 N3/8 + QC A 10 MALE	10	MPa	42	mm	40	17,4	97,5	44,4	17,3	11	54,25	35	110	93	-	N 3/8	5,25	4,5	34	9	10	NC01N0200GET230
		Psi	6090	inch	1,57	0,69	3,84	1,75	0,68	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	
GE2 N3/8 + QC A 10 FEMALE	10	MPa	42	mm	40	17,4	108,5	44,4	-	11	54,25	35	110	93	32	N 3/8	5,25	4,5	34	9	10	NC02N0200GET230
		Psi	6090	inch	1,57	0,69	4,27	1,75	-	0,43	2,14	1,38	4,33	3,66	1,26		0,21	0,18	1,34	0,35	0,39	
GE2 N1/2 + QC A 12,5 MALE	13	MPa	35	mm	43	19,7	114,5	48,4	20,5	11	57	37	110	97	-	N 1/2	5,25	5	36	9	13	NC01N0300GET330
		Psi	5075	inch	1,69	0,78	4,51	1,91	0,81	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	
GE2 N1/2 + QC A 12,5 FEMALE	13	MPa	35	mm	43	19,7	121	48,4	-	11	57	37	110	97	38,25	N 1/2	5,25	5	36	9	13	NC02N0300GET330
		Psi	5075	inch	1,69	0,78	4,76	1,91	-	0,43	2,24	1,46	4,33	3,82	1,51		0,21	0,20	1,42	0,35	0,51	
GE2 N3/4 + QC A 20 MALE	20	MPa	25	mm	57	25,4	131	62,5	29,1	14	75,5	49	180	105	-	N 3/4	6,25	6	50	14	20	NC01N0400GET430
		Psi	3625	inch	2,24	1,00	5,16	2,46	1,15	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	
GE2 N3/4 + QC A 20 FEMALE	20	MPa	25	mm	57	25,4	146,5	62,5	-	14	75,5	49	180	105	48	N 3/4	6,25	6	50	14	20	NC02N0400GET430
		Psi	3625	inch	2,24	1,00	5,77	2,46	-	0,55	2,97	1,93	7,09	4,13	1,89		0,25	0,24	1,97	0,55	0,79	
GE2 N1 + QC A 25 MALE	25	MPa	25	mm	65	29,5	166,5	66,5	34,34	14	83,5	55	180	113	-	N 1	6,25	6	50	14	25	NC01N0500GET530
		Psi	3625	inch	2,56	1,16	6,56	2,62	1,35	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	
GE2 N1 + QC A 25 FEMALE	25	MPa	25	mm	65	29,5	182	66,5	-	14	83,5	55	180	113	56	N 1	6,25	6	50	14	25	NC02N0500GET530
		Psi	3625	inch	2,56	1,16	7,17	2,62	-	0,55	3,29	2,17	7,09	4,45	2,20		0,25	0,24	1,97	0,55	0,98	



GE2 SAE J1926-1 + ISO 7241/A

CS Carbon Steel

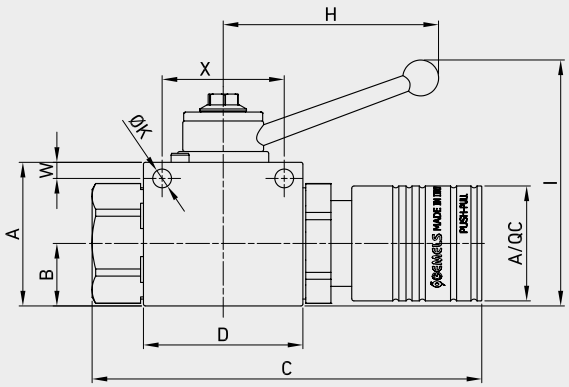
TYPE	DN	PN			A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 SAE6 + QC A 10 MALE	10	MPa	42	mm	40	17,5	110,6	44,4	19,75	11,1	54,25	35	110	93	-	9/16 UNF	5,25	4,5	34	9	10	NC01S0200GET230
		Psi	6090	inch	1,57	0,69	4,35	1,75	0,78	0,44	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	
GE2 SAE6 + QC A 10 FEMALE	10	MPa	42	mm	40	17,5	120,2	44,4	-	11,1	54,25	35	110	93	31	9/16 UNF	5,25	4,5	34	9	10	NC02S0200GET230
		Psi	6090	inch	1,57	0,69	4,73	1,75	-	0,44	2,14	1,38	4,33	3,66	1,22		0,21	0,18	1,34	0,35	0,39	
GE2 SAE8 + QC A 12,5 MALE	13	MPa	35	mm	43	19,7	123,5	48,4	24,5	11,1	57,25	37	110	97	-	3/4 UNF	5,25	5	36	9	13	NC01S0300GET330
		Psi	5075	inch	1,69	0,78	4,86	1,91	0,96	0,44	2,25	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	
GE2 SAE8 + QC A 12,5 FEMALE	13	MPa	35	mm	43	19,7	129,5	48,4	-	11,1	57,25	37	110	97	38	3/4 UNF	5,25	5	36	9	13	NC02S0300GET330
		Psi	5075	inch	1,69	0,78	5,10	1,91	-	0,44	2,25	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	
GE2 SAE12 + QC A 20 MALE	19	MPa	25	mm	57	25,4	139	62,5	29,95	14,35	75,5	49	180	105	-	1 1/16 UNF	6,25	6	50	14	20	NC01S0400GET430
		Psi	3625	inch	2,24	1,00	5,47	2,46	1,18	0,56	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	
GE2 SAE12 + QC A 20 FEMALE	19	MPa	25	mm	57	25,4	150	62,5	-	14,35	75,5	49	180	105	45	1 1/16 UNF	6,25	6	50	14	20	NC02S0400GET430
		Psi	3625	inch	2,24	1,00	5,91	2,46	-	0,56	2,97	1,93	7,09	4,13	1,77		0,25	0,24	1,97	0,55	0,79	
GE2 SAE16 + QC A 25 MALE	25	MPa	25	mm	65	29,5	172,5	66,5	36	14,35	83,5	55	180	113	-	1 5/16 UNF	6,25	6	50	14	25	NC01S0500GET530
		Psi	3625	inch	2,56	1,16	6,79	2,62	1,42	0,56	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	
GE2 SAE16 + QC A 25 FEMALE	25	MPa	25	mm	65	29,5	172,5	66,5	-	14,35	83,5	55	180	113	54,5	1 5/16 UNF	6,25	6	50	14	25	NC02S0500GET530
		Psi	3625	inch	2,56	1,16	6,79	2,62	-	0,56	3,29	2,17	7,09	4,45	2,15		0,25	0,24	1,97	0,55	0,98	

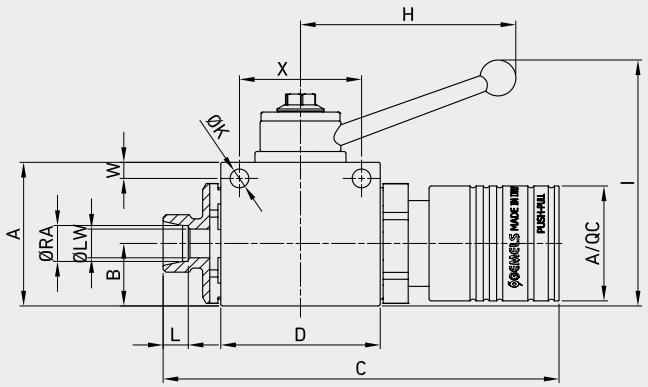
GE2 PP

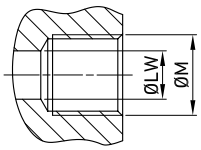




FIXING HOLES INCLUDED







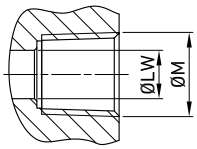
GE2 DIN/ISO 228 BSP + ISO 7241/A FOR MALE/FEMALE PUSH-PULL

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 G3/8 + QC PP 10 FEMALE	10	MPa 42	mm	40	17,4	108,5	44,4	-	11	54,25	35	110	93	32	G 3/8	5,25	4,5	34	9	10	NC12G0200GET230
		Psi 6090	inch	1,57	0,69	4,27	1,75	-	0,43	2,14	1,38	4,33	3,66	1,26		0,21	0,18	1,34	0,35	0,39	
GE2 G1/2 + QC PP 12,5 FEMALE	13	MPa 35	mm	43	19,7	121	48,4	-	11	57	37	110	97	38	G 1/2	5,25	5	36	9	13	NC12G0300GET330
		Psi 5075	inch	1,69	0,78	4,76	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	
GE2 G3/4 + QC PP 20 FEMALE	20	MPa 25	mm	57	25,4	146,5	62,5	-	14	75,5	49	180	105	47	G 3/4	6,25	6	50	14	20	NC12G0400GET430
		Psi 3625	inch	2,24	1,00	5,77	2,46	-	0,55	2,97	1,93	7,09	4,13	1,85		0,25	0,24	1,97	0,55	0,79	
GE2 G1 + QC PP 25 FEMALE	25	MPa 25	mm	65	29,5	182	66,5	-	14	83,5	55	180	113	55	G 1	6,25	6	50	14	25	NC12G0500GET530
		Psi 3625	inch	2,56	1,16	7,17	2,62	-	0,55	3,29	2,17	7,09	4,45	2,17		0,25	0,24	1,97	0,55	0,98	

The company reserves the right to operate dimensional changes without prior notice.

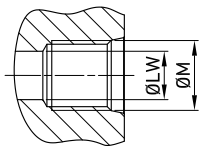
GE2 PP



GE2 ANSI/ASME B1.20.1 NPT + ISO 7241/A FOR MALE/FEMALE PUSH-PULL

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 N3/8 + QC PP 10 FEMALE	10	MPa	42	mm	40	17,4	108,5	44,4	-	11	54,25	35	110	93	32	N 3/8	5,25	4,5	34	9	10	NC12N0200GET230
		Psi	6090	inch	1,57	0,69	4,27	1,75	-	0,43	2,14	1,38	4,33	3,66	1,26		0,21	0,18	1,34	0,35	0,39	
GE2 N1/2 + QC PP 12,5 FEMALE	13	MPa	35	mm	43	19,7	121	48,4	-	11	57	37	110	97	38	N 1/2	5,25	5	36	9	13	NC12N0300GET330
		Psi	5075	inch	1,69	0,78	4,76	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	
GE2 N3/4 + QC PP 20 FEMALE	20	MPa	25	mm	57	25,4	146,5	62,5	-	14	75,5	49	180	105	47	N 3/4	6,25	6	50	14	20	NC12N0400GET430
		Psi	3625	inch	2,24	1,00	5,77	2,46	-	0,55	2,97	1,93	7,09	4,13	1,85		0,25	0,24	1,97	0,55	0,79	
GE2 N1 + QC PP 25 FEMALE	25	MPa	25	mm	65	29,5	182	66,5	-	14	83,5	55	180	113	55	N 1	6,25	6	50	14	25	NC12N0500GET530
		Psi	3625	inch	2,56	1,16	7,17	2,62	-	0,55	3,29	2,17	7,09	4,45	2,17		0,25	0,24	1,97	0,55	0,98	

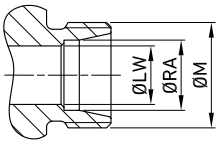


GE2 SAE J1926-1 + ISO 7241/A FOR MALE/FEMALE PUSH-PULL

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 SAE6 + QC PP 10 FEMALE	10	MPa	42	mm	40	17,5	108,5	44,4	-	11,1	54,25	35	110	93	32	9/16 UNF	5,25	4,5	34	9	10	NC12S0200GET230
		Psi	6090	inch	1,57	0,69	4,27	1,75	-	0,44	2,14	1,38	4,33	3,66	1,26		0,21	0,18	1,34	0,35	0,39	
GE2 SAE8 + QC PP 12,5 FEMALE	13	MPa	35	mm	43	19,7	121	48,4	-	11,1	57,25	37	110	97	38	3/4 UNF	5,25	5	36	9	13	NC12S0300GET330
		Psi	5075	inch	1,69	0,78	4,76	1,91	-	0,44	2,25	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	
GE2 SAE12 + QC PP 20 FEMALE	20	MPa	25	mm	57	25,4	146,5	62,5	-	14,35	75,5	49	180	105	47	1 1/16 UNF	6,25	6	50	14	20	NC12S0400GET430
		Psi	3625	inch	2,24	1,00	5,77	2,46	-	0,56	2,97	1,93	7,09	4,13	1,85		0,25	0,24	1,97	0,55	0,79	
GE2 G1 + QC PP 25 FEMALE	25	MPa	25	mm	65	29,5	182	66,5	-	14,35	83,5	55	180	113	55	1 5/16 UNF	6,25	6	50	14	25	NC12S0500GET530
		Psi	3625	inch	2,56	1,16	7,17	2,62	-	0,56	3,29	2,17	7,09	4,45	2,17		0,25	0,24	1,97	0,55	0,98	

GE2 PP



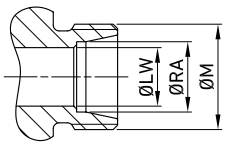
GE2 DIN 2353 HEAVY SERIES + ISO 7241/A FOR MALE/FEMALE PUSH-PULL

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ØRA	ITEM CODE
GE2 12S + QC PP 10 MALE	10	MPa 42	mm	40	17,4	99	44,4	17,3	11	54,25	35	110	93	-	M20x1,5	5,25	4,5	34	9	10	12	NC11H0200GET230
		Psi 6090	inch	1,57	0,69	3,90	1,75	0,68	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 12S + QC PP 10 FEMALE	10	MPa 42	mm	40	17,4	110	44,4	-	11	54,25	35	110	93	32	M20x1,5	5,25	4,5	34	9	10	12	NC12H0200GET230
		Psi 6090	inch	1,57	0,69	4,33	1,75	-	0,43	2,14	1,38	4,33	3,66	1,26		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 14S + QC PP 10 MALE	10	MPa 42	mm	40	17,4	102,2	44,4	17,3	11	54,25	35	110	93	-	M22x1,5	5,25	4,5	34	9	10	14	NC11H0201GET230
		Psi 6090	inch	1,57	0,69	4,02	1,75	0,68	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	0,55	
GE2 14S + QC PP 10 FEMALE	10	MPa 42	mm	40	17,4	113,2	44,4	-	11	54,25	35	110	93	32	M22x1,5	5,25	4,5	34	9	10	14	NC12H0201GET230
		Psi 6090	inch	1,57	0,69	4,46	1,75	-	0,43	2,14	1,38	4,33	3,66	1,26		0,21	0,18	1,34	0,35	0,39	0,55	
GE2 16S + QC PP 12,5 MALE	13	MPa 35	mm	43	19,7	117,5	48,4	20,5	11	57	37	110	97	-	M24x1,5	5,25	5	36	9	13	16	NC11H0300GET330
		Psi 5075	inch	1,69	0,78	4,63	1,91	0,81	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,63	
GE2 16S + QC PP 12,5 FEMALE	13	MPa 35	mm	43	19,7	124	48,4	-	11	57	37	110	97	38	M24x1,5	5,25	5	36	9	13	16	NC12H0300GET330
		Psi 5075	inch	1,69	0,78	4,88	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	0,63	
GE2 20S + QC PP 12,5 MALE	13	MPa 35	mm	43	19,7	119,5	48,4	20,5	11	57	37	110	97	-	M30x2	5,25	5	36	9	13	20	NC11H0301GET330
		Psi 5075	inch	1,69	0,78	4,70	1,91	0,81	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,79	
GE2 20S + QC PP 12,5 FEMALE	13	MPa 35	mm	43	19,7	126	48,4	-	11	57	37	110	97	38	M30x2	5,25	5	36	9	13	20	NC12H0301GET330
		Psi 5075	inch	1,69	0,78	4,96	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	0,79	
GE2 25S + QC PP 20 MALE	20	MPa 25	mm	57	25,4	142,5	62,5	29	14	75,5	49	180	105	-	M36x2	6,25	6	50	14	20	25	NC11H0400GET430
		Psi 3625	inch	2,24	1,00	5,61	2,46	1,14	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	0,98	
GE2 25S + QC PP 20 FEMALE	20	MPa 25	mm	57	25,4	154,5	62,5	-	14	75,5	49	180	105	47	M36x2	6,25	6	50	14	20	25	NC12H0400GET430
		Psi 3625	inch	2,24	1,00	6,08	2,46	-	0,55	2,97	1,93	7,09	4,13	1,85		0,25	0,24	1,97	0,55	0,79	0,98	
GE2 30S + QC PP 25 MALE	25	MPa 25	mm	65	29,5	170,6	66,5	34,34	14	83,5	55	180	113	-	M42x2	6,25	6	50	14	25	30	NC11H0500GET530
		Psi 3625	inch	2,56	1,16	6,72	2,62	1,35	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,18	
GE2 30S + QC PP 25 FEMALE	25	MPa 25	mm	65	29,5	186,1	66,5	-	14	83,5	55	180	113	55	M42x2	6,25	6	50	14	25	30	NC12H0500GET530
		Psi 3625	inch	2,56	1,16	7,33	2,62	-	0,55	3,29	2,17	7,09	4,45	2,17		0,25	0,24	1,97	0,55	0,98	1,18	
GE2 38S + QC PP 25 MALE	25	MPa 25	mm	65	29,5	176	66,5	34,34	14	83,5	55	180	113	-	M52x2	6,25	6	50	14	25	38	NC11H0501GET530
		Psi 3625	inch	2,56	1,16	6,93	2,62	1,35	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,50	
GE2 38S + QC PP 25 FEMALE	25	MPa 25	mm	65	29,5	191,5	66,5	-	14	83,5	55	180	113	55	M52x2	6,25	6	50	14	25	38	NC12H0501GET530
		Psi 3625	inch	2,56	1,16	7,54	2,62	-	0,55	3,29	2,17	7,09	4,45	2,17		0,25	0,24	1,97	0,55	0,98	1,50	

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GE2 PP



GE2 DIN 2353 LIGHT SERIES + ISO 7241/A FOR MALE/FEMALE PUSH-PULL

CS Carbon Steel

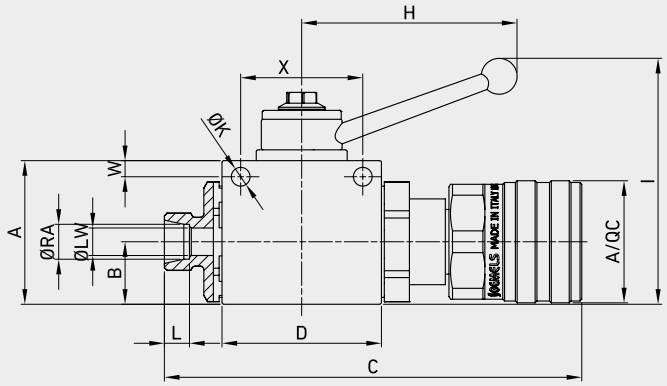
TYPE	DN	PN		A	B	C	D	d	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ØRA	ITEM CODE
GE2 10L + QC PP 10 MALE	10	MPa 42	mm	40	17,4	99,2	44,4	17,3	11	54,25	35	110	93	-	M16x1,5	5,25	4,5	34	9	8	10	NC11L0200GET230
		Psi 6090	inch	1,57	0,69	3,91	1,75	0,68	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,31	0,39	
GE2 10L + QC PP 10 FEMALE	10	MPa 42	mm	40	17,4	110,2	44,4	-	11	54,25	35	110	93	32	M16x1,5	5,25	4,5	34	9	8	10	NC12L0200GET230
		Psi 6090	inch	1,57	0,69	4,34	1,75	-	0,43	2,14	1,38	4,33	3,66	1,26		0,21	0,18	1,34	0,35	0,31	0,39	
GE2 12L + QC PP 10 MALE	10	MPa 42	mm	40	17,4	100,8	44,4	17,3	11	54,25	35	110	93	-	M18x1,5	5,25	4,5	34	9	10	12	NC11L0201GET230
		Psi 6090	inch	1,57	0,69	3,97	1,75	0,68	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 12L + QC PP 10 FEMALE	10	MPa 42	mm	40	17,4	111,8	44,4	-	11	54,25	35	110	93	32	M18x1,5	5,25	4,5	34	9	10	12	NC12L0201GET230
		Psi 6090	inch	1,57	0,69	4,40	1,75	-	0,43	2,14	1,38	4,33	3,66	1,26		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 15L + QC PP 12,5 MALE	13	MPa 35	mm	43	19,7	116,5	48,4	20,5	11	57	37	110	97	-	M22x1,5	5,25	5	36	9	13	15	NC11L0300GET330
		Psi 5075	inch	1,69	0,78	4,59	1,91	0,81	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,59	
GE2 15L + QC PP 12,5 FEMALE	13	MPa 35	mm	43	19,7	123	48,4	-	11	57	37	110	97	38	M22x1,5	5,25	5	36	9	13	15	NC12L0300GET330
		Psi 5075	inch	1,69	0,78	4,84	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	0,59	
GE2 18L + QC PP 12,5 MALE	13	MPa 35	mm	43	19,7	116,5	48,4	20,5	11	57	37	110	97	-	M26x1,5	5,25	5	36	9	13	18	NC11L0301GET330
		Psi 5075	inch	1,69	0,78	4,59	1,91	0,81	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,71	
GE2 18L + QC PP 12,5 FEMALE	13	MPa 35	mm	43	19,7	123	48,4	-	11	57	37	110	97	38	M26x1,5	5,25	5	36	9	13	18	NC12L0301GET330
		Psi 5075	inch	1,69	0,78	4,84	1,91	-	0,43	2,24	1,46	4,33	3,82	1,50		0,21	0,20	1,42	0,35	0,51	0,71	
GE2 22L + QC PP 20 MALE	20	MPa 25	mm	57	25,4	142	62,5	29,1	14	75,5	49	180	105	-	M30x2	6,25	6	50	14	20	22	NC11L0400GET430
		Psi 3625	inch	2,24	1,00	5,59	2,46	1,15	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	0,87	
GE2 22L + QC PP 20 FEMALE	20	MPa 25	mm	57	25,4	154	62,5	-	14	75,5	49	180	105	47	M30x2	6,25	6	50	14	20	22	NC12L0400GET430
		Psi 3625	inch	2,24	1,00	6,06	2,46	-	0,55	2,97	1,93	7,09	4,13	1,85		0,25	0,24	1,97	0,55	0,79	0,87	
GE2 28L + QC PP 25 MALE	25	MPa 25	mm	65	29,5	169	66,5	34,4	14	83,5	55	180	113	-	M36x2	6,25	6	50	14	25	28	NC11L0500GET530
		Psi 3625	inch	2,56	1,16	6,65	2,62	1,35	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,10	
GE2 28L + QC PP 25 FEMALE	25	MPa 25	mm	65	29,5	184,5	66,5	-	14	83,5	55	180	113	55	M36x2	6,25	6	50	14	25	28	NC12L0500GET530
		Psi 3625	inch	2,56	1,16	7,26	2,62	-	0,55	3,29	2,17	7,09	4,45	2,17		0,25	0,24	1,97	0,55	0,98	1,10	
GE2 35L + QC PP 25 MALE	25	MPa 25	mm	65	29,5	170	66,5	34,34	14	83,5	55	180	113	-	M45x2	6,25	6	50	14	25	35	NC11L0501GET530
		Psi 3625	inch	2,56	1,16	6,69	2,62	1,35	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,38	
GE2 35L + QC PP 25 FEMALE	25	MPa 25	mm	65	29,5	185,5	66,5	-	14	83,5	55	180	113	55	M45x2	6,25	6	50	14	25	35	NC12L0501GET530
		Psi 3625	inch	2,56	1,16	7,30	2,62	-	0,55	3,29	2,17	7,09	4,45	2,17		0,25	0,24	1,97	0,55	0,98	1,38	

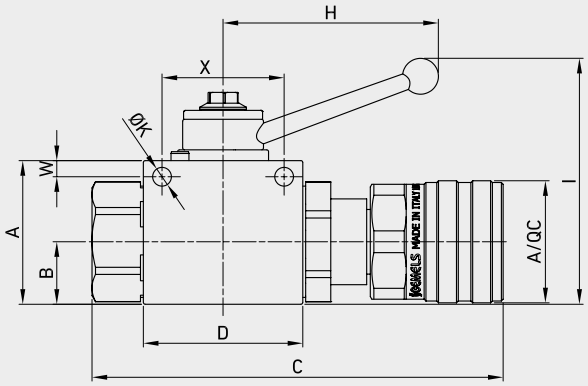
GE2 VGA

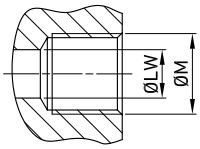




FIXING HOLES INCLUDED







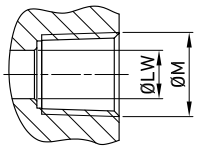
GE2 DIN/ISO 228 BSP + ISO 14541 SCREW-TO-CONNECT-COUPLINGS

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 G3/8 + QC VGA 10 MALE	10	MPa	42	mm	40	17,4	114,5	44,4	11	54,25	35	110	93	34	G 3/8	5,25	4,5	34	9	10	NC15G0200GET230
		Psi	6090	inch	1,57	0,69	4,51	1,75	0,43	2,14	1,38	4,33	3,66	1,34		0,21	0,18	1,34	0,35	0,39	
GE2 G3/8 + QC VGA 10 FEMALE	10	MPa	42	mm	40	17,4	110	44,4	11	54,25	35	110	93	-	G 3/8	5,25	4,5	34	9	10	NC16G0200GET230
		Psi	6090	inch	1,57	0,69	4,33	1,75	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	
GE2 G1/2 + QC VGA 12,5 MALE	13	MPa	42	mm	43	19,7	127,3	48,4	11	57	37	110	97	43	G 1/2	5,25	5	36	9	13	NC15G0300GET330
		Psi	6090	inch	1,69	0,78	5,01	1,91	0,43	2,24	1,46	4,33	3,82	1,69		0,21	0,20	1,42	0,35	0,51	
GE2 G1/2 + QC VGA 12,5 FEMALE	13	MPa	42	mm	43	19,7	117	48,4	11	57	37	110	97	-	G 1/2	5,25	5	36	9	13	NC16G0300GET330
		Psi	6090	inch	1,69	0,78	4,61	1,91	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	
GE2 G3/4 + QC VGA 20 MALE	20	MPa	42	mm	57	25,4	146,5	62,5	14	75,5	49	180	105	48	G 3/4	6,25	6	50	14	20	NC15G0400GET430
		Psi	6090	inch	2,24	1,00	5,77	2,46	0,55	2,97	1,93	7,09	4,13	1,89		0,25	0,24	1,97	0,55	0,79	
GE2 G3/4 + QC VGA 20 FEMALE	20	MPa	42	mm	57	25,4	145,1	62,5	14	75,5	49	180	105	-	G 3/4	6,25	6	50	14	20	NC16G0400GET430
		Psi	6090	inch	2,24	1,00	5,71	2,46	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	
GE2 G1 + QC VGA 25 MALE	25	MPa	35	mm	65	29,5	178,5	66,5	14	83,5	55	180	113	57	G 1	6,25	6	50	14	25	NC15G0500GET530
		Psi	5075	inch	2,56	1,16	7,03	2,62	0,55	3,29	2,17	7,09	4,45	2,24		0,25	0,24	1,97	0,55	0,98	
GE2 G1 + QC VGA 25 FEMALE	25	MPa	35	mm	65	29,5	175	66,5	14	83,5	55	180	113	-	G 1	6,25	6	50	14	25	NC16G0500GET530
		Psi	5075	inch	2,56	1,16	6,89	2,62	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	

The company reserves the right to operate dimensional changes without prior notice.

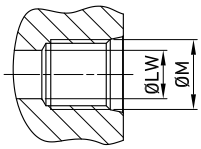
GE2 VGA



GE2 ANSI/ASME B1.20.1 NPT + ISO 14541 SCREW-TO-CONNECT-COUPLINGS

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 N3/8 + QC VGA 10 MALE	10	MPa	42	mm	40	17,4	114,5	44,4	11	54,25	35	110	93	34	N 3/8	5,25	4,5	34	9	10	NC15N0200GET230
		Psi	6090	inch	1,57	0,69	4,51	1,75	0,43	2,14	1,38	4,33	3,66	1,34		0,21	0,18	1,34	0,35	0,39	
GE2 N3/8 + QC VGA 10 FEMALE	10	MPa	42	mm	40	17,4	110	44,4	11	54,25	35	110	93	-	N 3/8	5,25	4,5	34	9	10	NC16N0200GET230
		Psi	6090	inch	1,57	0,69	4,33	1,75	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	
GE2 N1/2 + QC VGA 12,5 MALE	13	MPa	42	mm	43	19,7	127,3	48,4	11	57	37	110	97	43	N 1/2	5,25	5	36	9	13	NC15N0300GET330
		Psi	6090	inch	1,69	0,78	5,01	1,91	0,43	2,24	1,46	4,33	3,82	1,69		0,21	0,20	1,42	0,35	0,51	
GE2 N1/2 + QC VGA 12,5 FEMALE	13	MPa	42	mm	43	19,7	117	48,4	11	57	37	110	97	-	N 1/2	5,25	5	36	9	13	NC16N0300GET330
		Psi	6090	inch	1,69	0,78	4,61	1,91	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	
GE2 N3/4 + QC VGA 20 MALE	20	MPa	42	mm	57	25,4	146,5	62,5	14	75,5	49	180	105	48	N 3/4	6,25	6	50	14	20	NC15N0400GET430
		Psi	6090	inch	2,24	1,00	5,77	2,46	0,55	2,97	1,93	7,09	4,13	1,89		0,25	0,24	1,97	0,55	0,79	
GE2 N3/4 + QC VGA 20 FEMALE	20	MPa	42	mm	57	25,4	145,1	62,5	14	75,5	49	180	105	-	N 3/4	6,25	6	50	14	20	NC16N0400GET430
		Psi	6090	inch	2,24	1,00	5,71	2,46	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	
GE2 N1 + QC VGA 25 MALE	25	MPa	35	mm	65	29,5	178,5	66,5	14	83,5	55	180	113	57	N 1	6,25	6	50	14	25	NC15N0500GET530
		Psi	5075	inch	2,56	1,16	7,03	2,62	0,55	3,29	2,17	7,09	4,45	2,24		0,25	0,24	1,97	0,55	0,98	
GE2 N1 + QC VGA 25 FEMALE	25	MPa	35	mm	65	29,5	175	66,5	14	83,5	55	180	113	-	N 1	6,25	6	50	14	25	NC16N0500GET530
		Psi	5075	inch	2,56	1,16	6,89	2,62	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	



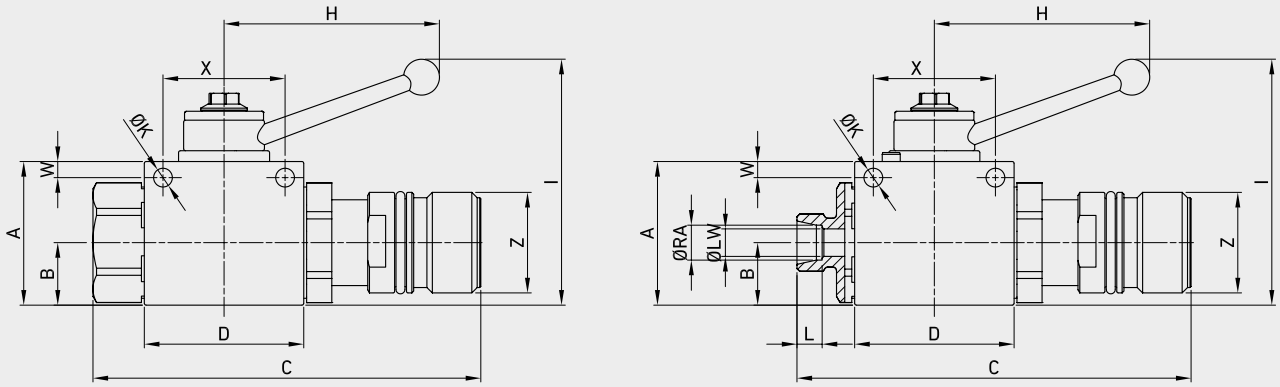
GE2 SAE J1926-1 + ISO 14541 SCREW-TO-CONNECT-COUPLINGS

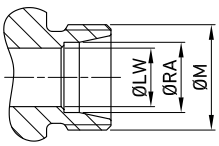
CS Carbon Steel

TYPE	DN	PN			A	B	C	D	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ITEM CODE
GE2 SAE6 + QC VGA 10 MALE	10	MPa	42	mm	40	17,5	114,5	44,4	11,1	54,25	35	110	93	34	9/16 UNF	5,25	4,5	34	9	10	NC15S0200GET230
		Psi	6090	inch	1,57	0,69	4,51	1,75	0,44	2,14	1,38	4,33	3,66	1,34		0,21	0,18	1,34	0,35	0,39	
GE2 SAE6 + QC VGA 10 FEMALE	10	MPa	42	mm	40	17,5	110	44,4	11,1	54,25	35	110	93	-	9/16 UNF	5,25	4,5	34	9	10	NC16S0200GET230
		Psi	6090	inch	1,57	0,69	4,33	1,75	0,44	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	
GE2 SAE8 + QC VGA 12,5 MALE	13	MPa	42	mm	43	19,7	127,3	48,4	11,1	57,25	37	110	97	43	3/4 UNF	5,25	5	36	9	13	NC15S0300GET330
		Psi	6090	inch	1,69	0,78	5,01	1,91	0,44	2,25	1,46	4,33	3,82	1,69		0,21	0,20	1,42	0,35	0,51	
GE2 SAE8 + QC VGA 12,5 FEMALE	13	MPa	42	mm	43	19,7	117	48,4	11,1	57,25	37	110	97	-	3/4 UNF	5,25	5	36	9	13	NC16S0300GET330
		Psi	6090	inch	1,69	0,78	4,61	1,91	0,44	2,25	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	
GE2 SAE12 + QC VGA 20 MALE	20	MPa	42	mm	57	25,4	146,5	62,5	14,35	75,5	49	180	105	48	1 1/16 UNF	6,25	6	50	14	20	NC15S0400GET430
		Psi	6090	inch	2,24	1,00	5,77	2,46	0,56	2,97	1,93	7,09	4,13	1,89		0,25	0,24	1,97	0,55	0,79	
GE2 SAE12 + QC VGA 20 FEMALE	20	MPa	42	mm	57	25,4	145,1	62,5	14,35	75,5	49	180	105	-	1 1/16 UNF	6,25	6	50	14	20	NC16S0400GET430
		Psi	6090	inch	2,24	1,00	5,71	2,46	0,56	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	
GE2 G1 + QC VGA 25 MALE	25	MPa	35	mm	65	29,5	178,5	66,5	14,35	83,5	55	180	113	57	1 5/16 UNF	6,25	6	50	14	25	NC15S0500GET530
		Psi	5075	inch	2,56	1,16	7,03	2,62	0,56	3,29	2,17	7,09	4,45	2,24		0,25	0,24	1,97	0,55	0,98	
GE2 G1 + QC VGA 25 FEMALE	25	MPa	35	mm	65	29,5	175	66,5	14,35	83,5	55	180	113	-	1 5/16 UNF	6,25	6	50	14	25	NC16S0500GET530
		Psi	5075	inch	2,56	1,16	6,89	2,62	0,56	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	

GE2 VGA

FIXING HOLES INCLUDED





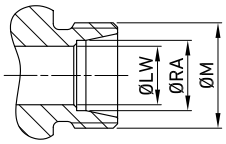
GE2 DIN 2353 HEAVY SERIES + ISO 14541 SCREW-TO-CONNECT-COUPLINGS

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ØRA	ITEM CODE
GE2 12S + QC VGA 10 MALE	10	MPa 42	mm	40	17,4	116	44,4	11	54,25	35	110	93	34	M20x1,5	5,25	4,5	34	9	10	12	NC15H0200GET230
		Psi 6090	inch	1,57	0,69	4,57	1,75	0,43	2,14	1,38	4,33	3,66	1,34		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 12S + QC VGA 10 FEMALE	10	MPa 42	mm	40	17,4	109,5	44,4	11	54,25	35	110	93	-	M20x1,5	5,25	4,5	34	9	10	12	NC16H0200GET230
		Psi 6090	inch	1,57	0,69	4,31	1,75	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 14S + QC VGA 10 MALE	10	MPa 42	mm	40	17,4	119,2	44,4	11	54,25	35	110	93	34	M22x1,5	5,25	4,5	34	9	10	14	NC15H0201GET230
		Psi 6090	inch	1,57	0,69	4,69	1,75	0,43	2,14	1,38	4,33	3,66	1,34		0,21	0,18	1,34	0,35	0,39	0,55	
GE2 14S + QC VGA 10 FEMALE	10	MPa 42	mm	40	17,4	112,7	44,4	11	54,25	35	110	93	-	M22x1,5	5,25	4,5	34	9	10	14	NC16H0201GET230
		Psi 6090	inch	1,57	0,69	4,44	1,75	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	0,55	
GE2 16S + QC VGA 12,5 MALE	13	MPa 42	mm	43	19,7	130,3	48,4	11	57	37	110	97	43	M24x1,5	5,25	5	36	9	13	16	NC15H0300GET330
		Psi 6090	inch	1,69	0,78	5,13	1,91	0,43	2,24	1,46	4,33	3,82	1,69		0,21	0,20	1,42	0,35	0,51	0,63	
GE2 16S + QC VGA 12,5 FEMALE	13	MPa 42	mm	43	19,7	120	48,4	11	57	37	110	97	-	M24x1,5	5,25	5	36	9	13	16	NC16H0300GET330
		Psi 6090	inch	1,69	0,78	4,72	1,91	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,63	
GE2 20S + QC VGA 12,5 MALE	13	MPa 42	mm	43	19,7	132	48,4	11	57	37	110	97	43	M30x2	5,25	5	36	9	13	20	NC15H0301GET330
		Psi 6090	inch	1,69	0,78	5,20	1,91	0,43	2,24	1,46	4,33	3,82	1,69		0,21	0,20	1,42	0,35	0,51	0,79	
GE2 20S + QC VGA 12,5 FEMALE	13	MPa 42	mm	43	19,7	122	48,4	11	57	37	110	97	-	M30x2	5,25	5	36	9	13	20	NC16H0301GET330
		Psi 6090	inch	1,69	0,78	4,80	1,91	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,79	
GE2 25S + QC VGA 20 MALE	20	MPa 42	mm	57	25,4	154	62,5	14	75,5	49	180	105	48	M36x2	6,25	6	50	14	20	25	NC15H0400GET430
		Psi 6090	inch	2,24	1,00	6,06	2,46	0,55	2,97	1,93	7,09	4,13	1,89		0,25	0,24	1,97	0,55	0,79	0,98	
GE2 25S + QC VGA 20 FEMALE	20	MPa 42	mm	57	25,4	153,1	62,5	14	75,5	49	180	105	-	M36x2	6,25	6	50	14	20	25	NC16H0400GET430
		Psi 6090	inch	2,24	1,00	6,03	2,46	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	0,98	
GE2 30S + QC VGA 25 MALE	25	MPa 35	mm	65	29,5	182,6	66,5	14	83,5	55	180	113	57	M42x2	6,25	6	50	14	25	30	NC15H0500GET530
		Psi 5075	inch	2,56	1,16	7,19	2,62	0,55	3,29	2,17	7,09	4,45	2,24		0,25	0,24	1,97	0,55	0,98	1,18	
GE2 30S + QC VGA 25 FEMALE	25	MPa 35	mm	65	29,5	179,1	66,5	14	83,5	55	180	113	-	M42x2	6,25	6	50	14	25	30	NC16H0500GET530
		Psi 5075	inch	2,56	1,16	7,05	2,62	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,18	
GE2 38S + QC VGA 25 MALE	25	MPa 35	mm	65	29,5	188	66,5	14	83,5	55	180	113	57	M52x2	6,25	6	50	14	25	38	NC15H0501GET530
		Psi 5075	inch	2,56	1,16	7,40	2,62	0,55	3,29	2,17	7,09	4,45	2,24		0,25	0,24	1,97	0,55	0,98	1,50	
GE2 38S + QC VGA 25 FEMALE	25	MPa 35	mm	65	29,5	184,5	66,5	14	83,5	55	180	113	-	M52x2	6,25	6	50	14	25	38	NC16H0501GET530
		Psi 5075	inch	2,56	1,16	7,26	2,62	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,50	

The company reserves the right to operate dimensional changes without prior notice.

GE2 VGA



GE2 DIN 2353 LIGHT SERIES + ISO 14541 SCREW-TO-CONNECT-COUPLINGS

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	A/QC	ØM	ØK*	W*	X*	SW	ØLW	ØRA	ITEM CODE
GE2 10L + QC VGA 10 MALE	10	MPa 42	mm	40	17,4	116,2	44,4	11	54,25	35	110	93	34	M16x1,5	5,25	4,5	34	9	8	10	NC15L0200GET230
		Psi 6090	inch	1,57	0,69	4,57	1,75	0,43	2,14	1,38	4,33	3,66	1,34		0,21	0,18	1,34	0,35	0,31	0,39	
GE2 10L + QC VGA 10 FEMALE	10	MPa 42	mm	40	17,4	109,7	44,4	11	54,25	35	110	93	-	M16x1,5	5,25	4,5	34	9	8	10	NC16L0200GET230
		Psi 6090	inch	1,57	0,69	4,32	1,75	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,31	0,39	
GE2 12L + QC VGA 10 MALE	10	MPa 42	mm	40	17,4	117,8	44,4	11	54,25	35	110	93	34	M18x1,5	5,25	4,5	34	9	10	12	NC15L0201GET230
		Psi 6090	inch	1,57	0,69	4,64	1,75	0,43	2,14	1,38	4,33	3,66	1,34		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 12L + QC VGA 10 FEMALE	10	MPa 42	mm	40	17,4	111,3	44,4	11	54,25	35	110	93	-	M18x1,5	5,25	4,5	34	9	10	12	NC16L0201GET230
		Psi 6090	inch	1,57	0,69	4,38	1,75	0,43	2,14	1,38	4,33	3,66	-		0,21	0,18	1,34	0,35	0,39	0,47	
GE2 15L + QC VGA 12,5 MALE	13	MPa 42	mm	43	19,7	129,3	48,4	11	57	37	110	97	43	M22x1,5	5,25	5	36	9	13	15	NC15L0300GET330
		Psi 6090	inch	1,69	0,78	5,09	1,91	0,43	2,24	1,46	4,33	3,82	1,69		0,21	0,20	1,42	0,35	0,51	0,59	
GE2 15L + QC VGA 12,5 FEMALE	13	MPa 42	mm	43	19,7	119	48,4	11	57	37	110	97	-	M22x1,5	5,25	5	36	9	13	15	NC16L0300GET330
		Psi 6090	inch	1,69	0,78	4,69	1,91	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,59	
GE2 18L + QC VGA 12,5 MALE	13	MPa 42	mm	43	19,7	129,3	48,4	11	57	37	110	97	43	M26x1,5	5,25	5	36	9	13	18	NC15L0301GET330
		Psi 6090	inch	1,69	0,78	5,09	1,91	0,43	2,24	1,46	4,33	3,82	1,69		0,21	0,20	1,42	0,35	0,51	0,71	
GE2 18L + QC VGA 12,5 FEMALE	13	MPa 42	mm	43	19,7	119	48,4	11	57	37	110	97	-	M26x1,5	5,25	5	36	9	13	18	NC16L0301GET330
		Psi 6090	inch	1,69	0,78	4,69	1,91	0,43	2,24	1,46	4,33	3,82	-		0,21	0,20	1,42	0,35	0,51	0,71	
GE2 22L + QC VGA 20 MALE	20	MPa 42	mm	57	25,4	153,5	62,5	14	75,5	49	180	105	48	M30x2	6,25	6	50	14	20	22	NC15L0400GET430
		Psi 6090	inch	2,24	1,00	6,04	2,46	0,55	2,97	1,93	7,09	4,13	1,89		0,25	0,24	1,97	0,55	0,79	0,87	
GE2 22L + QC VGA 20 FEMALE	20	MPa 42	mm	57	25,4	152,6	62,5	14	75,5	49	180	105	-	M30x2	6,25	6	50	14	20	22	NC16L0400GET430
		Psi 6090	inch	2,24	1,00	6,01	2,46	0,55	2,97	1,93	7,09	4,13	-		0,25	0,24	1,97	0,55	0,79	0,87	
GE2 28L + QC VGA 25 MALE	25	MPa 35	mm	65	29,5	181	66,5	14	83,5	55	180	113	57	M36x2	6,25	6	50	14	25	28	NC15L0500GET530
		Psi 5075	inch	2,56	1,16	7,13	2,62	0,55	3,29	2,17	7,09	4,45	2,24		0,25	0,24	1,97	0,55	0,98	1,10	
GE2 28L + QC VGA 25 FEMALE	25	MPa 35	mm	65	29,5	177,5	66,5	14	83,5	55	180	113	-	M36x2	6,25	6	50	14	25	28	NC16L0500GET530
		Psi 5075	inch	2,56	1,16	6,99	2,62	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,10	
GE2 35L + QC VGA 25 MALE	25	MPa 35	mm	65	29,5	182	66,5	14	83,5	55	180	113	57	M45x2	6,25	6	50	14	25	35	NC15L0501GET530
		Psi 5075	inch	2,56	1,16	7,17	2,62	0,55	3,29	2,17	7,09	4,45	2,24		0,25	0,24	1,97	0,55	0,98	1,38	
GE2 35L + QC VGA 25 FEMALE	25	MPa 35	mm	65	29,5	178,5	66,5	14	83,5	55	180	113	-	M45x2	6,25	6	50	14	25	35	NC16L0501GET530
		Psi 5075	inch	2,56	1,16	7,03	2,62	0,55	3,29	2,17	7,09	4,45	-		0,25	0,24	1,97	0,55	0,98	1,38	





BALL VALVES

HIGH PRESSURE BALL VALVES FOR HYDRAULIC FIELD

For hydraulic and industrial field, since 50 years **GEMELS** produces high pressure ball valves, known all over the world as synonym of maximum reliability and high quality. **GEMELS** is one of the World Leader Manufacturer. The range includes valves with 2way/3way/4way and with different threads. We can also study customized products for our clients according to the application.

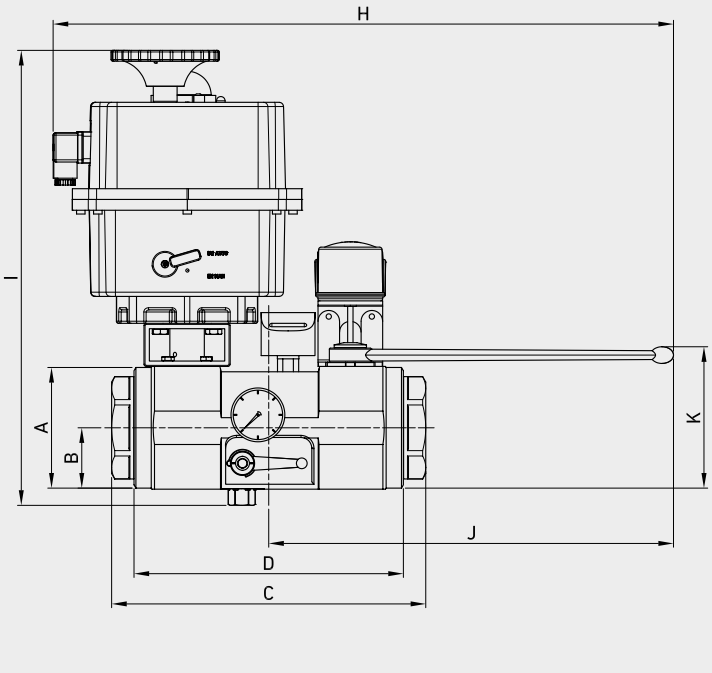
CUSTOMIZED LEAN SOLUTION

Edition. 21.4



LEAN CUSTOMIZED SOLUTIONS

GEMELS studies and designs special lean customized solutions for our customers based on the specific requests. Thanks to the close collaboration between **GEMELS** technical department and the engineering department of our customers, we are able to study the best and most suitable solution for the application where our products will be mounted. **GEMELS** can realize prototypes and samples. Our customized solutions can range over different fields, like agriculture, fire-fighting, construction and building, lifting, automotive, steel plant, heavy equipment and marine.





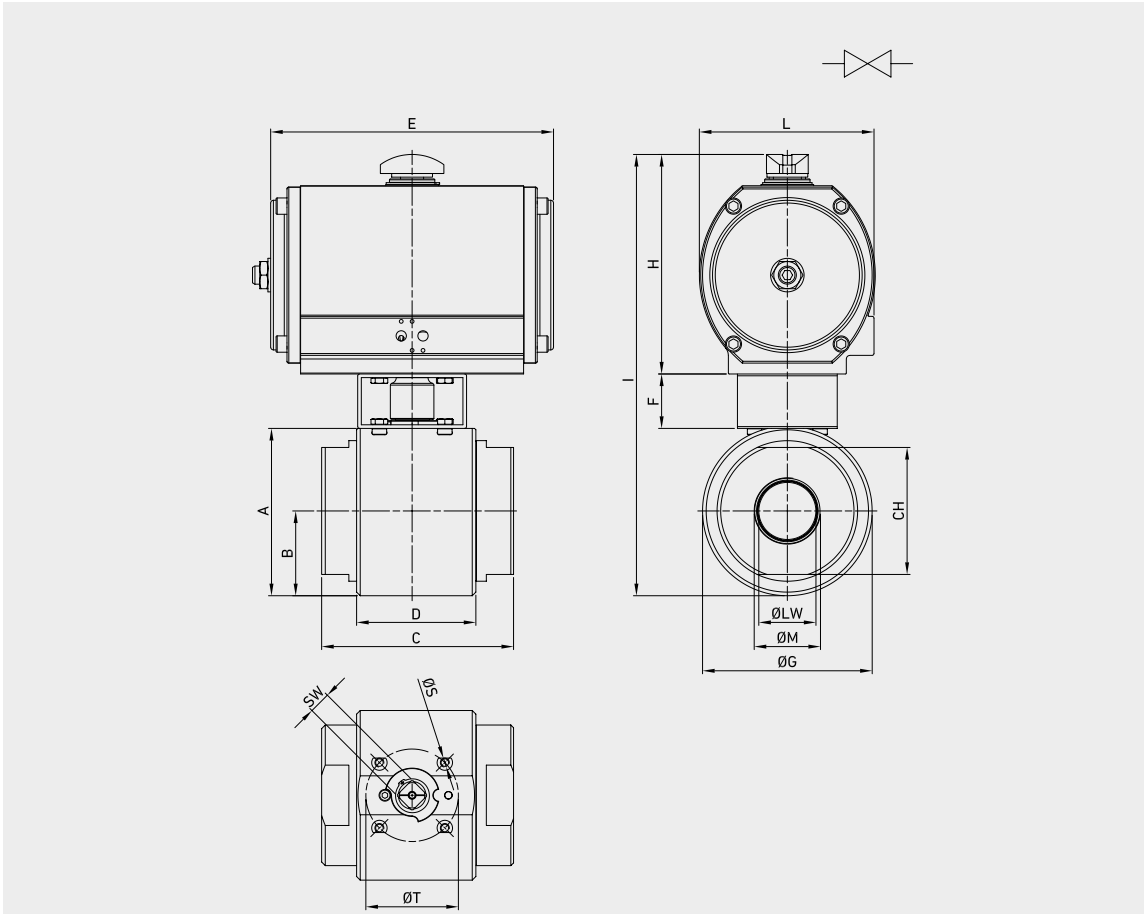
FOR FIRE FIGHTING

TYPE / ITEM CODE	DN		A	B	C	D	G	G1	H	I	J	K	L	CH	ØLW
GB2 S6 1 1/2	4	mm	112	56	292	250	118	137,5	576	422	376	131	216	85	48
		inch	4,41	2,20	11,50	9,84	4,65	5,41	22,68	16,61	14,80	5,16	8,50		1,89

On request, VDS and FM approvals could be available



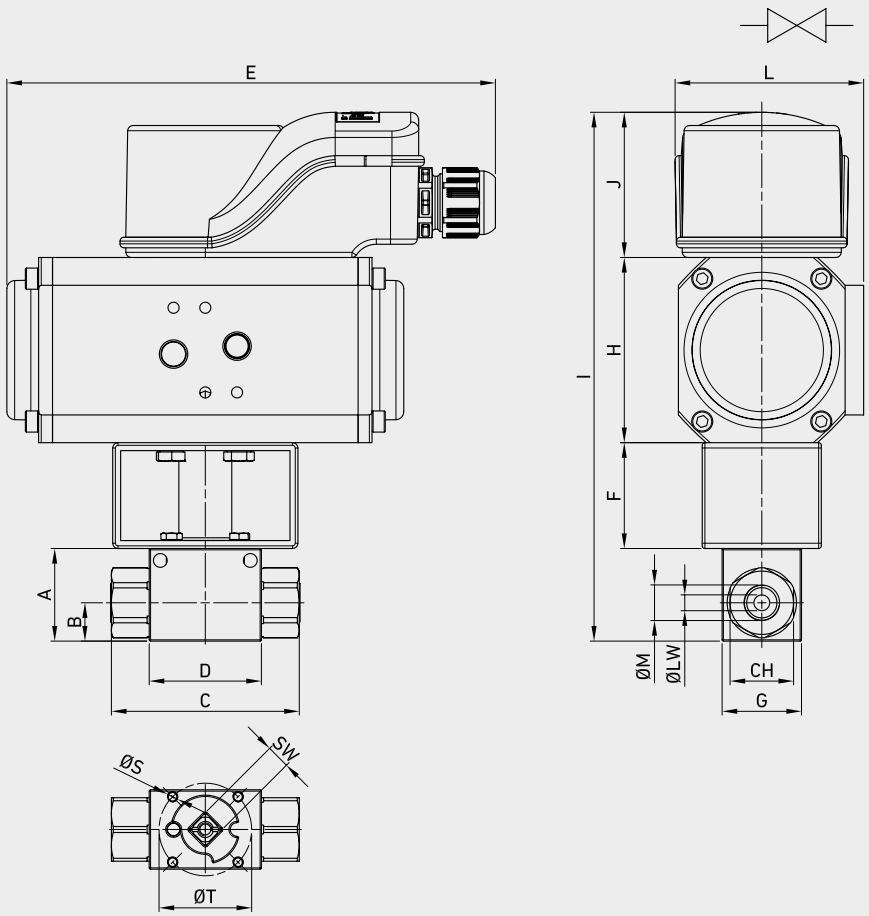




FOR FIRE FIGHTING

TYPE / ITEM CODE	DN		A	B	C	D	E	F	ØG	H	I	L	ØM	CH	ØS	ØT	ISO 5211	SW	ØLW
GHP G 1/2	13	mm	53	27,5	119	79	150	40	55	96	190	70	G 1/2	38	M5	36	F03	9	13
		inch	2,09	1,08	4,69	3,11	5,91	1,57	2,17	3,78	7,48	2,76				1,42		0,35	0,51
GHP G 3/4	20	mm	70	38,5	149	99	206	40	77	143	253	112,5	G 3/4	55	M6	50	F05	14	20
		inch	2,76	1,52	5,87	3,90	8,11	1,57	3,03	5,63	9,96	4,43				1,97		0,55	0,79
GHP G 1	20	mm	80,5	45	168	105	206	40	90	143	263	112,5	G 1	60	M6	50	F05	14	25
		inch	3,17	1,77	6,61	4,13	8,11	1,57	3,54	5,63	10,35	4,43				1,97		0,55	0,98
GHP G 1 1/4	20	mm	95	48,5	156	106	218	40	97	165	300	137	G 1 1/4	70	M6	50	F05	17	32
		inch	3,74	1,91	6,14	4,17	8,58	1,57	3,82	6,50	11,81	5,39				1,97		0,67	1,26
GHP G 1 1/2	20	mm	111,5	58	166,5	110,5	218	40	116	165	317	137	G 1 1/2	75	M6	50	F05	17	40
		inch	4,39	2,28	6,56	4,35	8,58	1,57	4,57	6,50	12,48	5,39				1,97		0,67	1,57
GHP G 2	20	mm	118,5	61,5	175	115	266	40	123	200	359	158	G 2	85	M6	50	F05	17	49
		inch	4,67	2,42	6,89	4,53	10,47	1,57	4,84	7,87	14,13	6,22				1,97		0,67	1,93
GHP G 2 1/2	20	mm	184,5	93,5	211,5	131,5	266	60	187	200	425	158	G 2 1/2	140	M10	102	F10	24	63
		inch	7,26	3,68	8,33	5,18	10,47	2,36	7,36	7,87	16,73	6,22				4,02		0,94	2,48
GHP G 3	20	mm	200	102	239	162,5	358	60	204	248	508	198	G 3	140	M10	102	F10	24	74
		inch	7,87	4,02	9,41	6,40	14,09	2,36	8,03	9,76	20,00	7,80				4,02		0,94	2,91
GHP G 4	100	mm	236	120	295,5	219	358	60	240	248	544	198	G 4	170	M10	102	F10	24	95
		inch	9,29	4,72	11,63	8,62	14,09	2,36	9,45	9,76	21,42	7,80				4,02		0,94	3,74

On request, VDS and FM approvals could be available







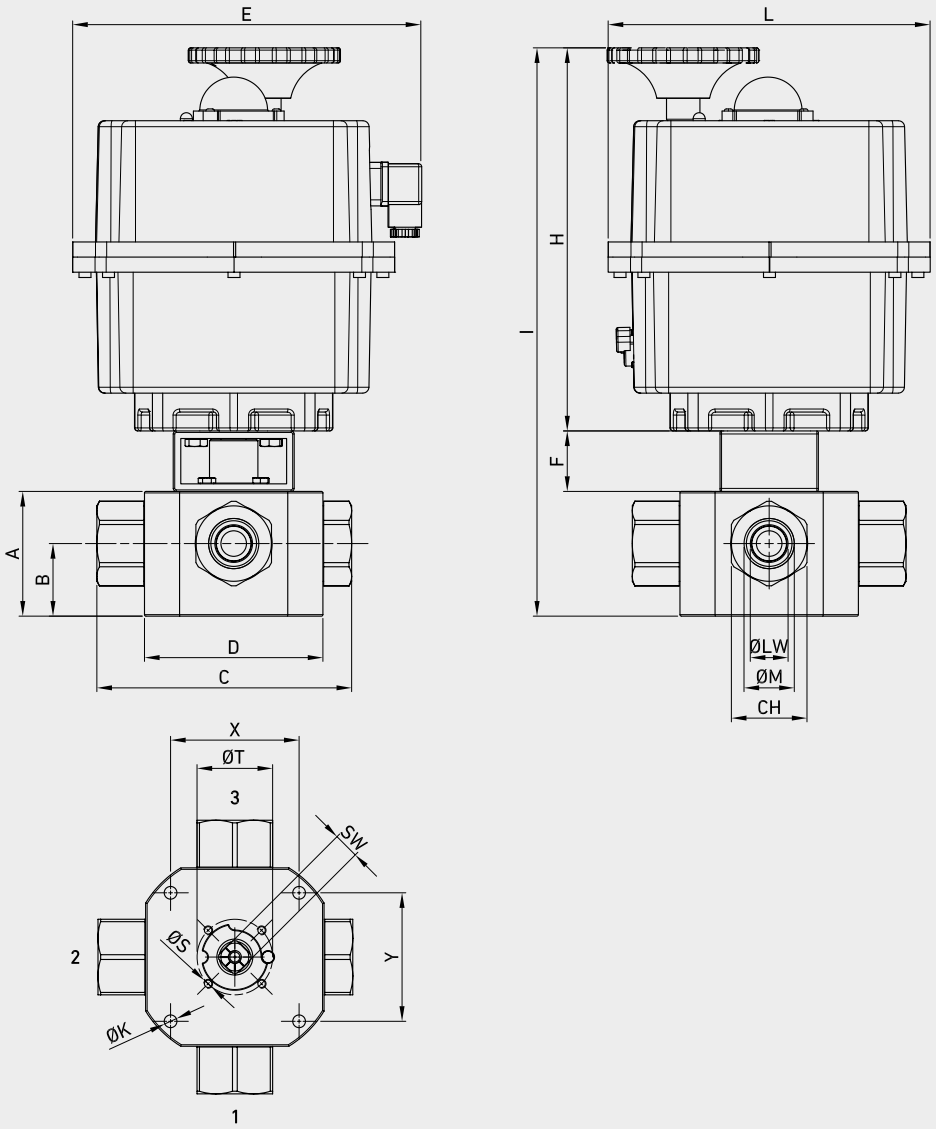
FOR FIRE FIGHTING

TYPE / ITEM CODE	DN		A	B	C	D	E	F	G	H	I	J	L	ØM	CH	ØS	ØT	ISO 5211	SW	ØLW
GE2 G 1/8	4	mm	35	14,5	71	42,4	185	40	30	70	200	55	72	G 1/8	24	M4	35	F03	9	4
		inch	1,38	0,57	2,80	1,67	7,28	1,57	1,18	2,76	7,87	2,17	2,83				1,38		0,35	0,16
GE2 G 1/4	6	mm	35	14,5	71	42,4	185	40	30	70	200	55	72	G 1/4	24	M4	35	F03	9	6
		inch	1,38	0,57	2,80	1,67	7,28	1,57	1,18	2,76	7,87	2,17	2,83				1,38		0,35	0,24
GE2 G 3/8	10	mm	40	17,4	73	44,4	185	40	35	70	205	55	72	G 3/8	30	M5	36	F03	9	10
		inch	1,57	0,69	2,87	1,75	7,28	1,57	1,38	2,76	8,07	2,17	2,83				1,42		0,35	0,39
GE2 G 1/2	13	mm	43	19,65	83	48,4	185	40	37	70	208	55	72	G 1/2	32	M5	36	F03	9	13
		inch	1,69	0,77	3,27	1,91	7,28	1,57	1,46	2,76	8,19	2,17	2,83				1,42		0,35	0,51
GE2 G 3/4	20	mm	57	25,4	95	62,5	213	40	49	118	270	55	113	G 3/4	41	M6	50	F05	14	20
		inch	2,24	1,00	3,74	2,46	8,39	1,57	1,93	4,65	10,63	2,17	4,45				1,97		0,55	0,79
GE2 G 1	25	mm	65	29,5	112,4	66,5	213	40	55	118	278	55	113	G 1	50	M6	50	F05	14	25
		inch	2,56	1,16	4,43	2,62	8,39	1,57	2,17	4,65	10,94	2,17	4,45				1,97		0,55	0,98
GE2 G 1 1/4 R	25	mm	65	29,5	120,4	66,5	213	40	55	118	278	55	113	G 1 1/4	55	M6	50	F05	14	25
		inch	2,56	1,16	4,74	2,62	8,39	1,57	2,17	4,65	10,94	2,17	4,45				1,97		0,55	0,98
GE2 G 1 1/2 R	25	mm	65	29,5	124,4	66,5	213	40	55	118	278	55	113	G 1 1/2	60	M6	50	F05	14	25
		inch	2,56	1,16	4,90	2,62	8,39	1,57	2,17	4,65	10,94	2,17	4,45				1,97		0,55	0,98

On request, VDS and FM approvals could be available

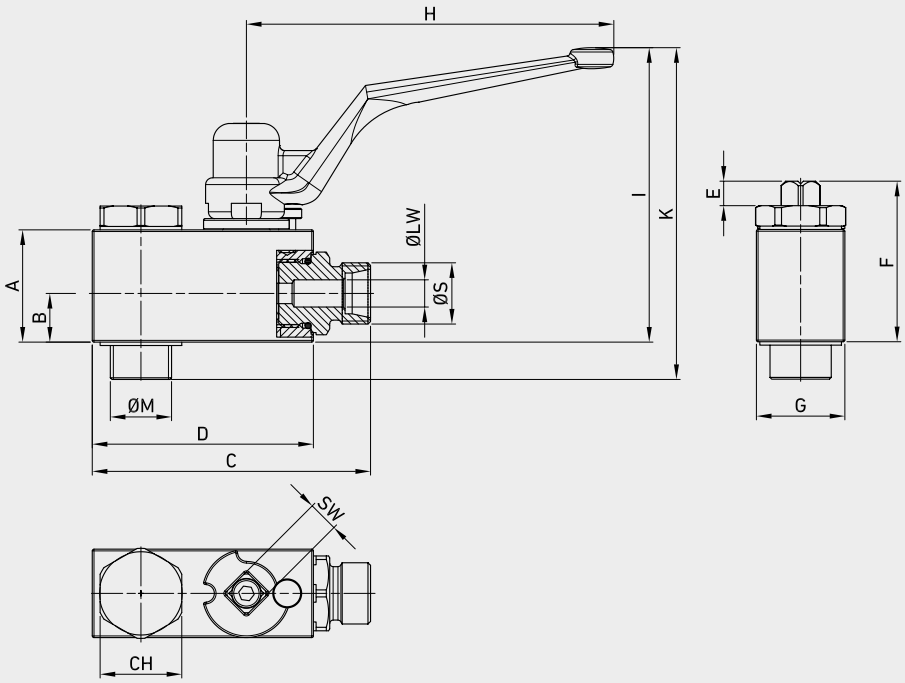






FOR AUTOMOTIVE

TYPE / ITEM CODE	DN		A	B	C	D	E	F	H	I	L	CH	ØK	ØT	ØS	X	Y	SW	ØM	ØLW
GEX G 2	25	mm	82,5	48	169	118	230	40	253	376	218	50	8,5	50	M6	85	85	17	G 1	25
		inch	3,25	1,89	6,65	4,65	9,06	1,57	9,96	14,80	8,58		0,33	1,97		3,35	3,35	0,67		0,98





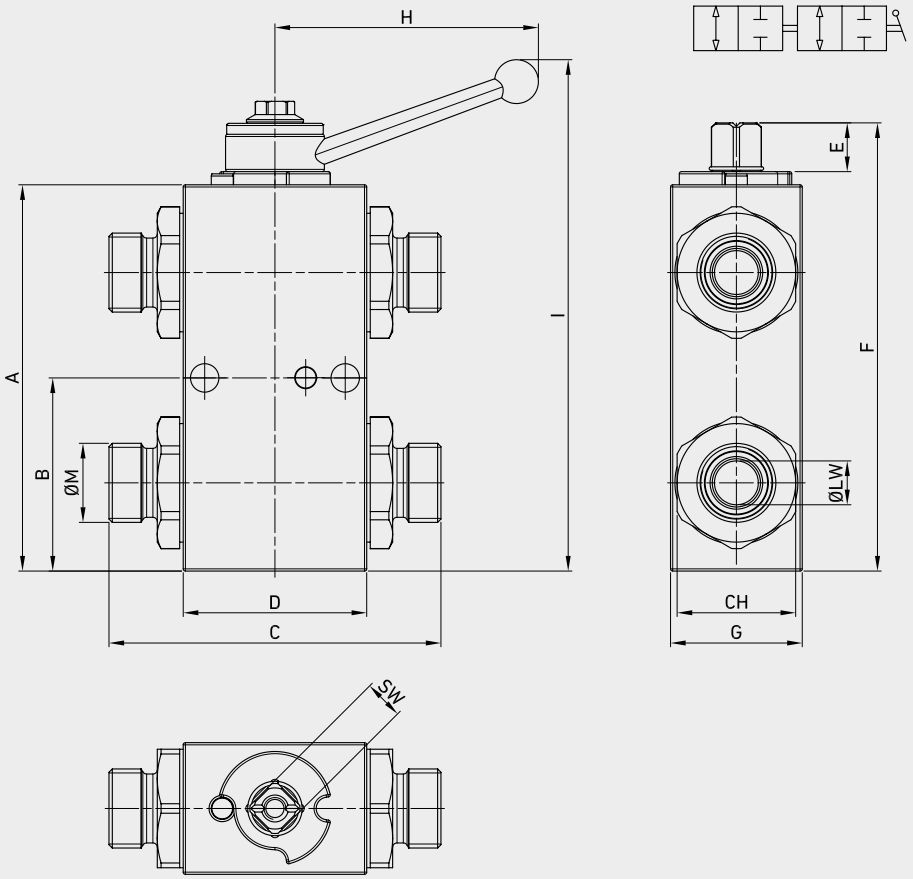


FOR AGRICULTURAL

TYPE / ITEM CODE	DN		A	B	C	D	E	F	G	H	I	SW	CH	ØLW	K	ØM	ØS
GE1 EXTENDED 1/4	6	mm	33	14,3	81,8	65	7,2	47,2	26	108	87	9	24	6	97,5	M18x1,5	M18x1,5
		inch	1,30	0,56	3,22	2,56	0,28	1,86	1,02	4,25	3,43	0,35		0,24	3,84		

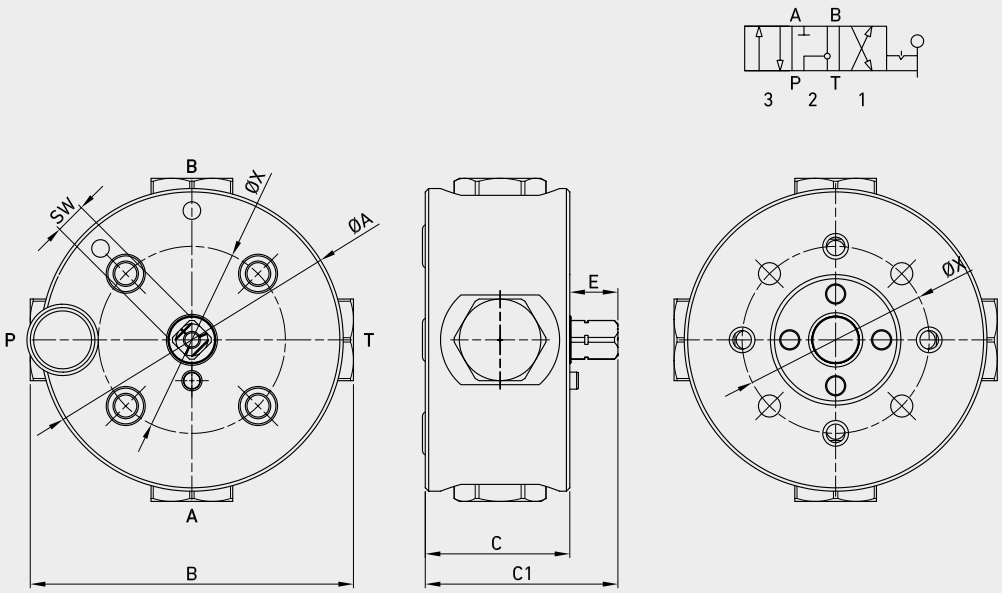






FOR AGRICULTURAL

TYPE / ITEM CODE	DN		A	B	C	D	E	F	G	H	I	Ø M	CH	SW	ØLW
GE1 TANDEM DIN12L	10	mm	88	44	75,6	41,8	11,1	102	30	60	116	M18x1,5	27	9	10
		inch	3,46	1,73	2,98	1,65	0,44	4,02	1,18	2,36	4,57			0,35	0,39
GE1 TANDEM G3/8	10	mm	88	44	71	41,8	11,1	102	30	104	130	G3/8	27	9	10
		inch	3,46	1,73	2,80	1,65	0,44	4,02	1,18	4,09	5,12			0,35	0,39
GE1 TANDEM DIN15L	13	mm	88	44	83	44,4	11,1	102	35	110	131	M22x1,5	30	9	13
		inch	3,46	1,73	3,27	1,75	0,44	4,02	1,38	4,33	5,16			0,35	0,51
GE1 TANDEM G1/2	13	mm	88	44	83	44,4	11,1	102	35	110	131	G1/2	30	9	12
		inch	3,46	1,73	3,27	1,75	0,44	4,02	1,38	4,33	5,16			0,35	0,47





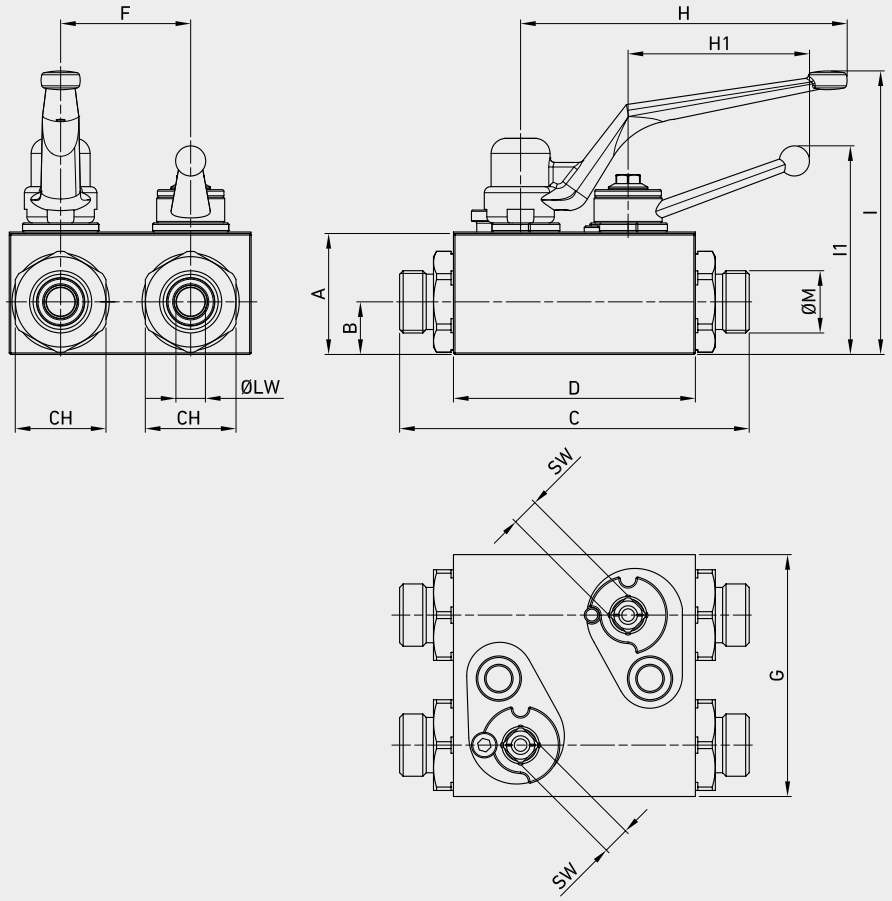


FOR AGRICULTURAL

TYPE / ITEM CODE	DN		ØA	B	C	C1	E	ØX	SW
GP4K 1/4	6	mm	89	95	42,5	57	14	55	9
		inch	3,50	3,74	1,67	2,24	0,55	2,17	0,35

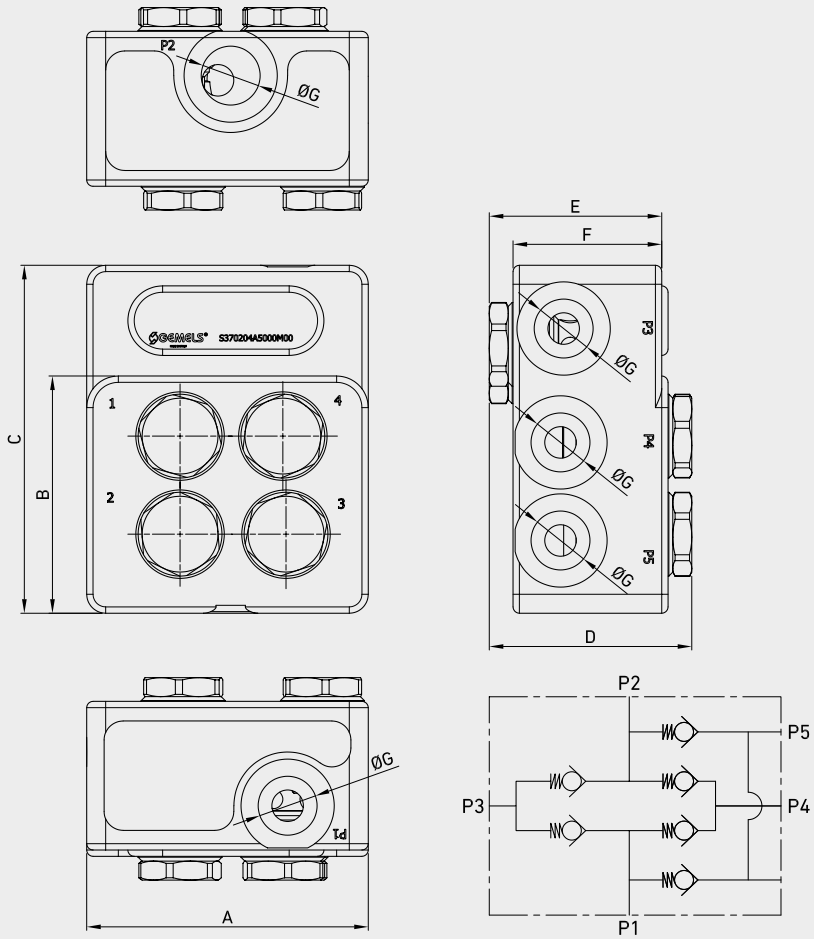






FOR AGRICULTURAL

TYPE / ITEM CODE		A	B	C	D	F	G	H	H1	I	I1	ØM	ØLW	CH	SW
GT 3/8	mm	40	17,4	115,6	80	43	80	180	60	94	69	M15x1,5	10	30	9
	inch	1,57	0,69	4,55	3,15	1,69	3,15	7,09	2,36	3,70	2,72		0,39		0,35

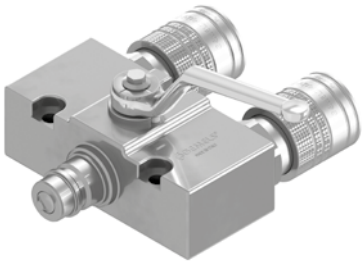




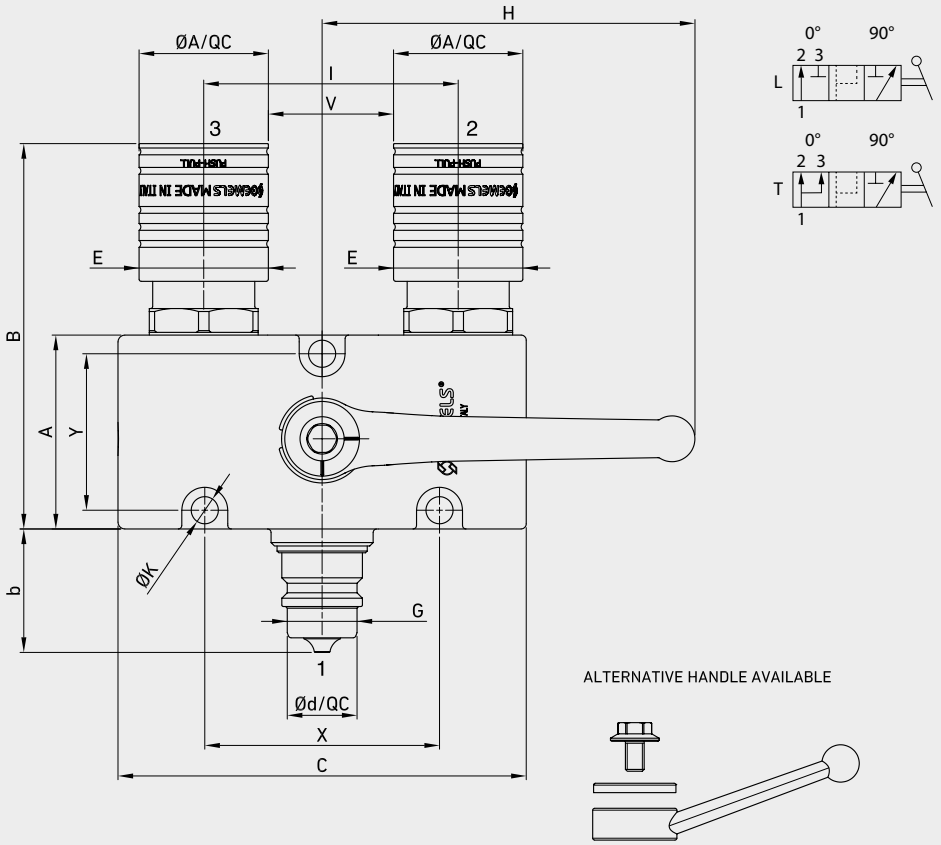


FOR AGRICULTURAL

TYPE / ITEM CODE	DN		A	B	C	D	E	F	ØG
GEMFOLD G1/2 85/50L	25	mm	89	75	110	64	54,5	47	G 1/2
		inch	3,50	2,95	4,33	2,52	2,15	1,85	-



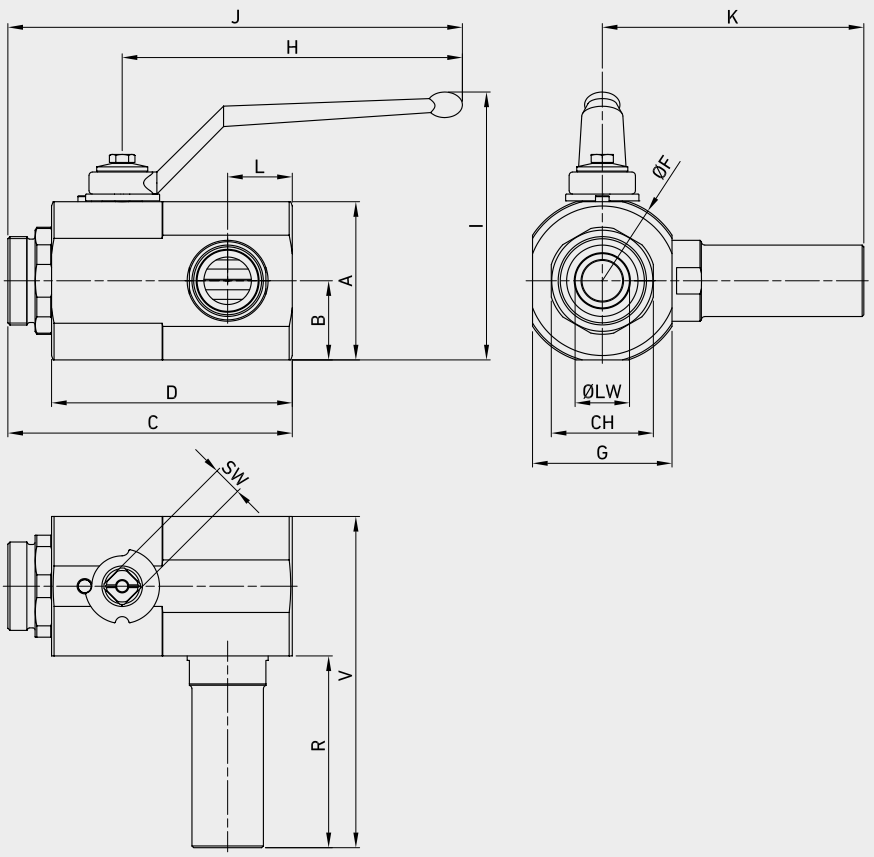




FOR AGRICULTURAL

TYPE / ITEM CODE	DN		A	ØA/QC	B	b	C	Ød/QC	E	F	G	H	I	ØK	X	Y	V	SW
GQ3K	13	mm	57	38	113,3	36,3	120	20,5	ISO A/PP Female	ISO A/PP Female	ISO A Male	110	75	8	69	46	36,8	17
		inch	2,24	1,50	4,46	1,43	4,72	0,81				4,33	2,95	0,31	2,72	1,81	1,45	0,67

On request
- available with all models of quick couplings
- available also with short handles





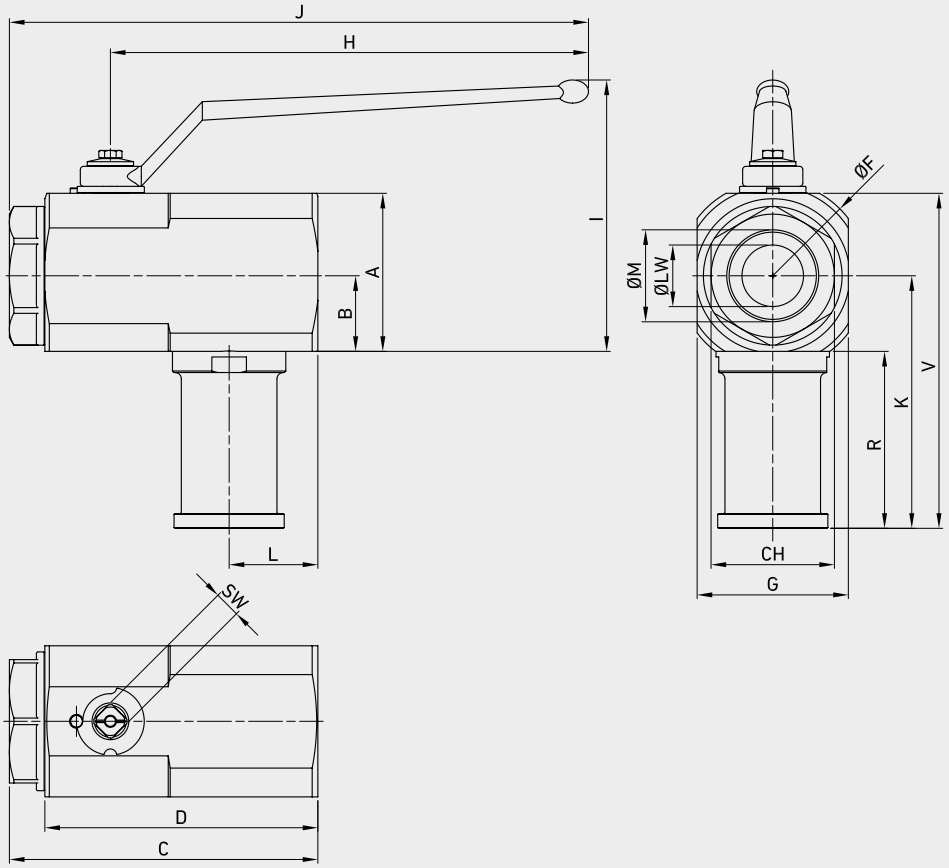


FOR BUILDING

TYPE / ITEM CODE	DN		A	B	C	D	H	I	L	J	ØM	ØLW	CH	G	ØF	K	R	V	SW
VA DN25 35L PIPE 35L	25	mm	71	35,5	146	119,6	180	120	38	240	M45x2	25	55	74	83,5	178	141	215	14
		inch	2,80	1,40	5,75	4,71	7,09	4,72	1,50	9,45		0,98		2,91	3,29	7,01	5,55	8,46	0,55
VA DN32 42L PIPE 42L	32	mm	93	46,5	163,2	137,5	200	158	38	263	M52x2	32	60	82	98	161	120	202	17
		inch	3,66	1,83	6,43	5,41	7,87	6,22	1,50	10,35		1,26		3,23	3,86	6,34	4,72	7,95	0,67
VA DN32 G1 1/4 PIPE 35L	32	mm	93	46,5	157,5	137,5	200	158	38	257,5	G 1 1/4	32	70	82	98	126	141	167	17
		inch	3,66	1,83	6,20	5,41	7,87	6,22	1,50	10,14		1,26		3,23	3,86	4,96	5,55	6,57	0,67
VA DN32 G1 1/2 PIPE 42L	32	mm	93	46,5	157,5	137,5	200	158	38	257,5	G 1 1/2	32	70	82	98	161	120	202	17
		inch	3,66	1,83	6,20	5,41	7,87	6,22	1,50	10,14		1,26		3,23	3,86	6,34	4,72	7,95	0,67



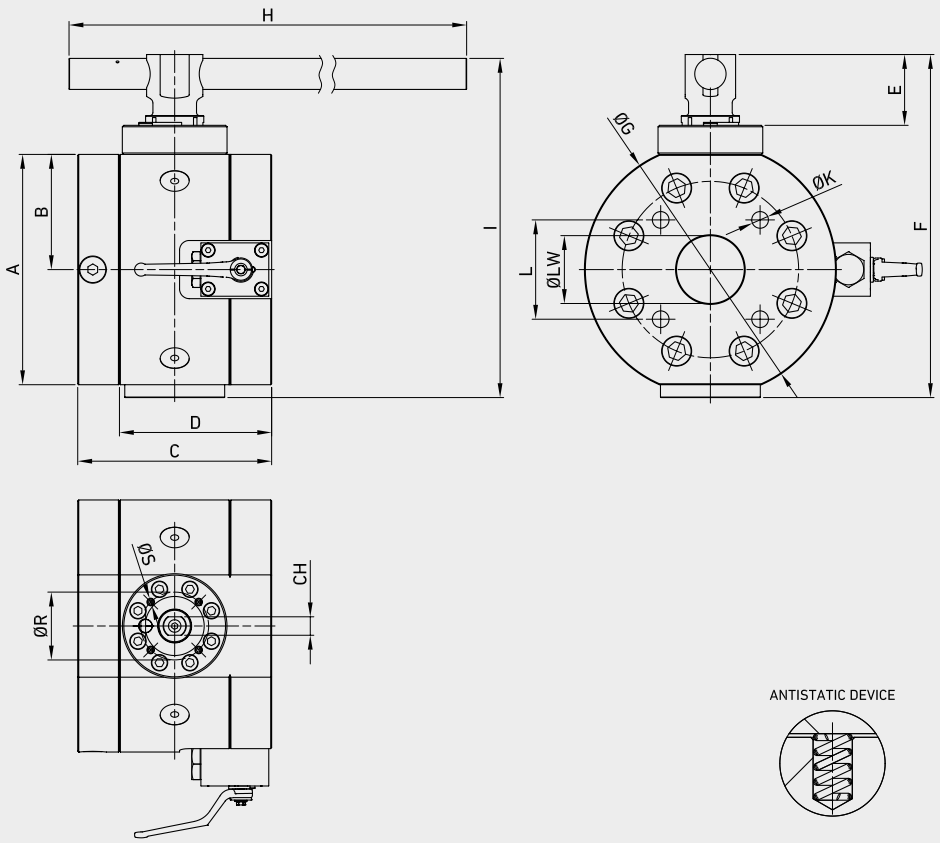




FOR BUILDING

TYPE / ITEM CODE	DN		A	B	C	D	H	I	L	J	ØM	ØLW	CH	G	ØF	K	R	V	SW
VA DN40 G2R PIPE SAE3000	40	mm	102,5	49	200	177	310	176	57,5	375,5	G2	40	80	98	123	164	115	217	17
		inch	4,04	1,93	7,87	6,97	12,20	6,93	2,26	14,78		1,57		3,86	4,84	6,46	4,53	8,54	0,67
VA DN40 G2R PIPE 42L	40	mm	102,5	49	200	177	200	167	57,5	265,5	G2	40	80	98	123	128,5	79,5	182	17
		inch	4,04	1,93	7,87	6,97	7,87	6,57	2,26	10,45		1,57		3,86	4,84	5,06	3,13	7,17	0,67
VA DN40 G2R PIPE G2M	40	mm	102,5	49	200	177	200	167	57,5	265,5	G2	40	80	98	123	158	109	211,5	17
		inch	4,04	1,93	7,87	6,97	7,87	6,57	2,26	10,45		1,57		3,86	4,84	6,22	4,29	8,33	0,67

On request
Supply and assembly of NUT and CUTTING RING
Supply of KIT for pipe separately
Pipe available with different threads





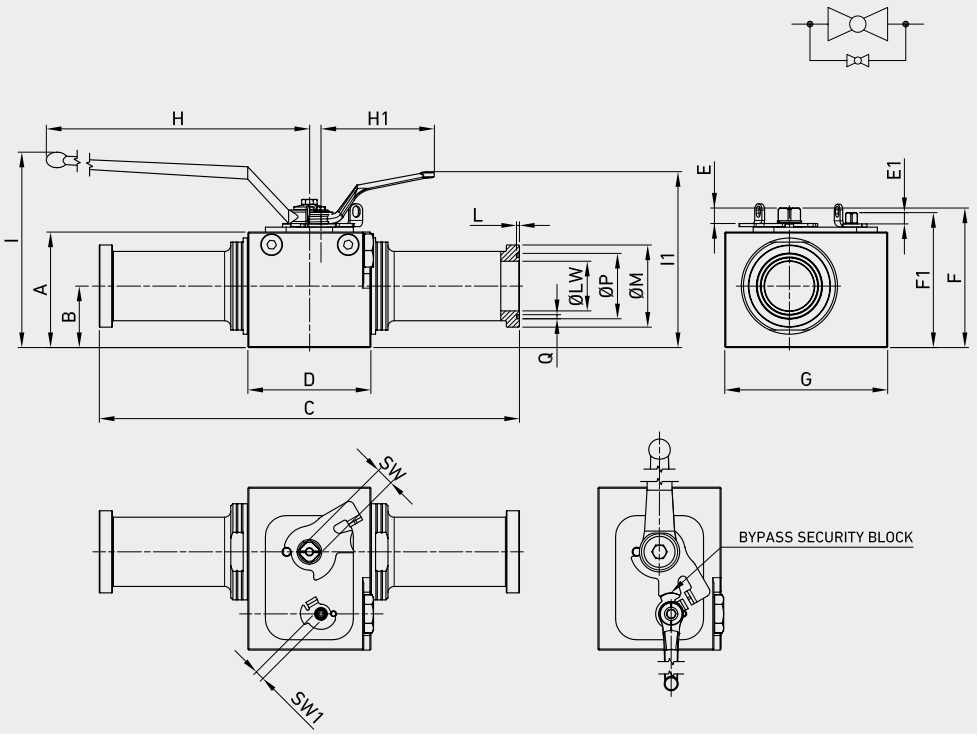


FOR STEEL PLANT

TYPE / ITEM CODE	DN		A	B	C	D	E	F	ØG	H	I	L	ØK	ØT	ØS	ISO5211	CH	ØLW
GRY 3"	74	mm	238	119	200	157	73	354	260	650	350	102,5	4xM20	70	M8	F07	19	74
		inch	9,37	4,69	7,87	6,18	2,87	13,94	10,24	25,59	13,78	4,04		2,76				2,91
GRY 4"	100	mm	300	150	280	223,5	77	412	300	650	400	113,2	4xM24	102	M10	F10	24	100
		inch	11,81	5,91	11,02	8,80	3,03	16,22	11,81	25,59	15,75	4,46		4,02				3,94

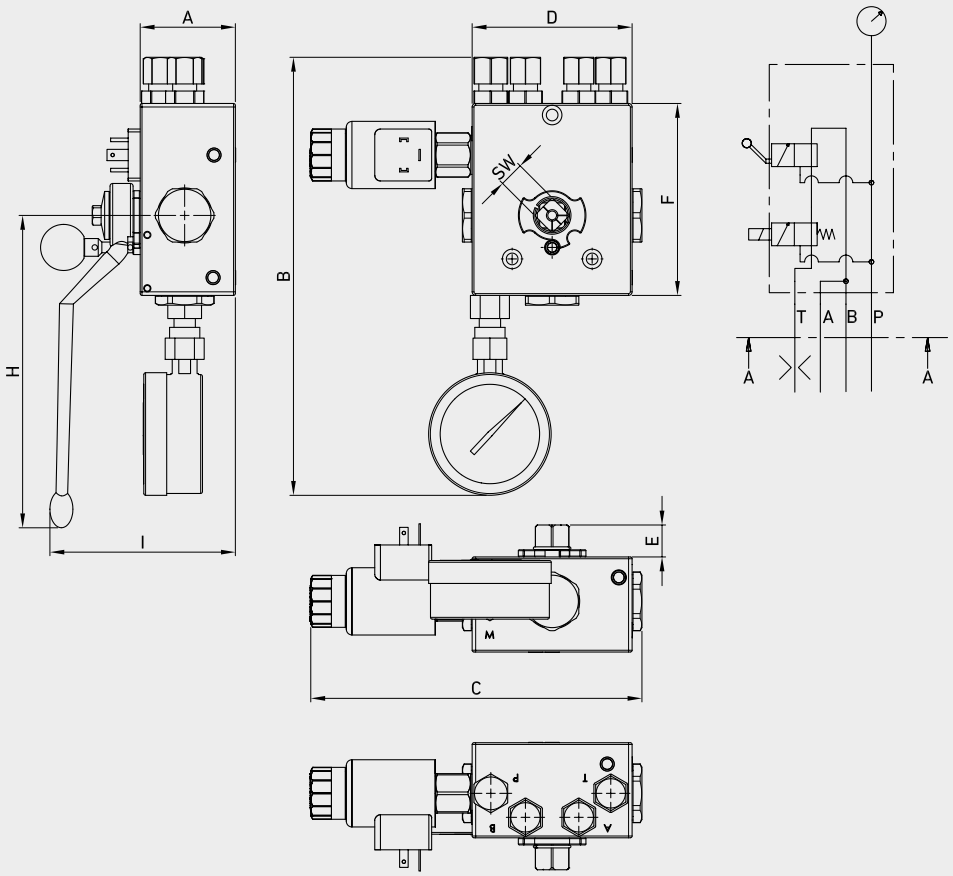






FOR STEEL PLANT

TYPE / ITEM CODE	DN		PN		A	B	C	D	E	E1	F	F1	G	H	H1	I	I1	ØM	ØP	Q	SW	SW1	ØLW
GBYS6 (SAE J518 S6000 EXTRA LONG)	50	MPa	42	mm	112	60	406	119	15	11	135	131	157,5	310	110	189	170	79,4	63,25	3,94	17	9	48
		Psi	6090	inch	4,41	2,36	15,98	4,69	0,59	0,43	5,31	5,16	6,20	12,20	4,33	7,44	6,69	3,13	2,49	0,16	0,67	0,35	1,89





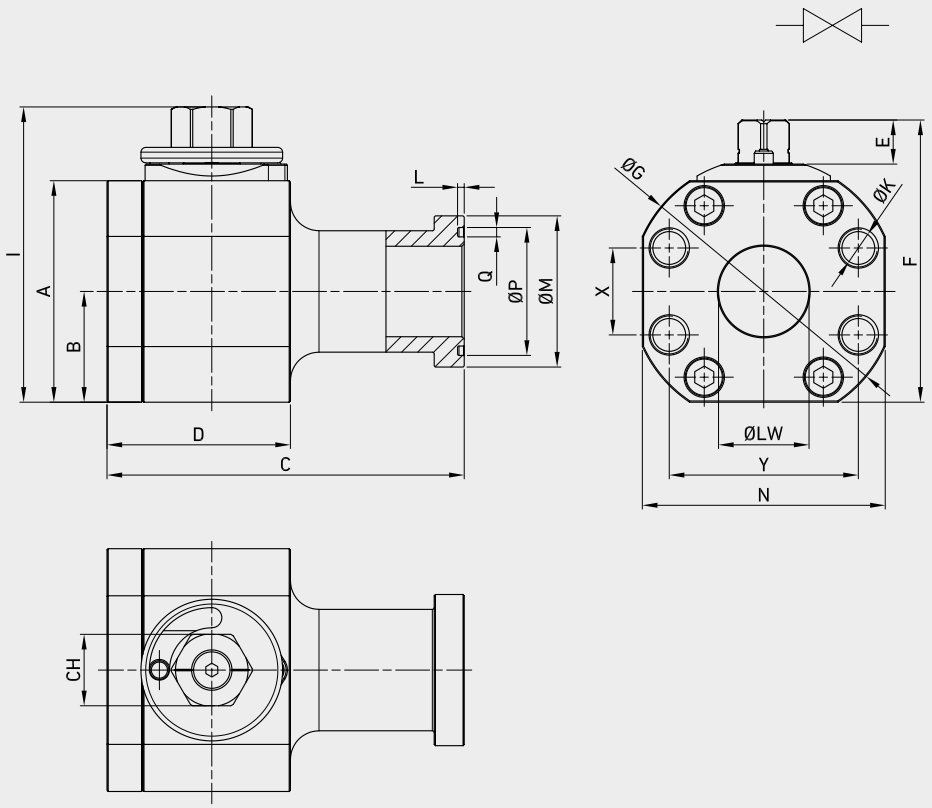


FOR MARINE

TYPE / ITEM CODE	DN		A	B	C	D	E	F	H	I	SW
G3DB 3/8	10	mm	53,5	247	186	90	18	108	178	104	14
		inch	2,11	9,72	7,32	3,54	0,71	4,25	7,01	4,09	0,55



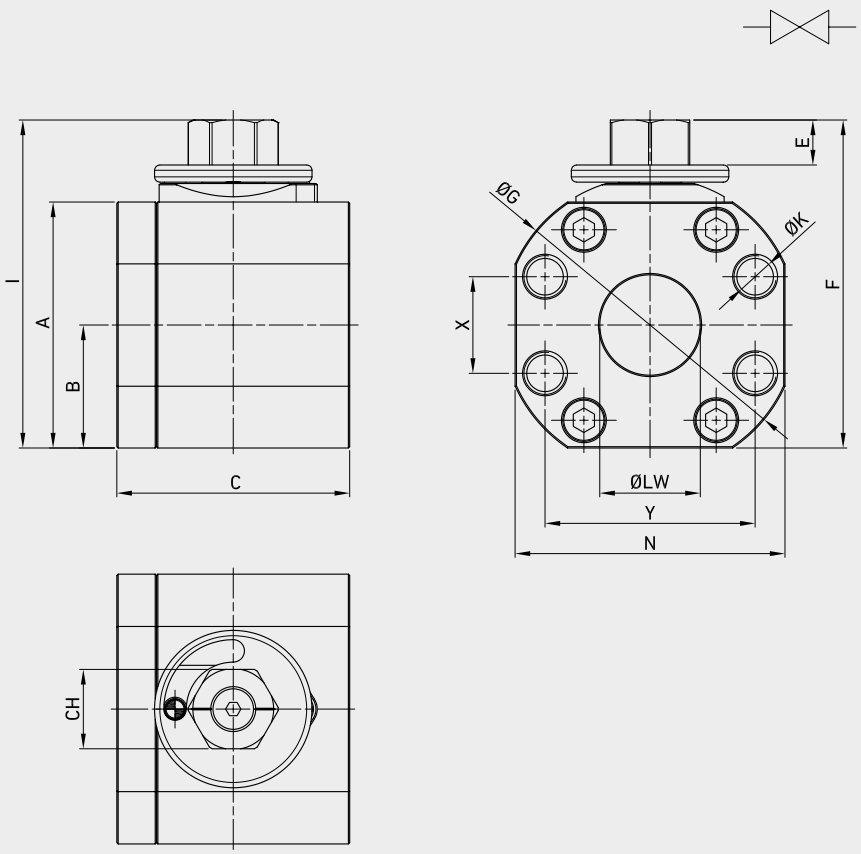




FOR BUILDING / HEAVY EQUIPMENT

TYPE / ITEM CODE	DN		A	B	C	D	E	F	ØG	I	L	ØM	N	CH	ØP	Q	X	Y	ØK	ØLW
GB2 S6 1 1/2	4	mm	93	46,5	150	77	18,5	118,5	112	124	2,79	63,5	102	30	53,72	3,94	36,5	79,4	4xM16	38
		inch	3,66	1,83	5,91	3,03	0,73	4,67	4,41	4,88	0,11	2,50	4,02		2,11	0,16	1,44	3,13		1,50
GB2 S3 2	25	mm	93	46,5	150	77	18,5	118,5	112	124	2,79	71,75	102	30	63,25	3,94	42,9	77,8	4xM12	38
		inch	3,66	1,83	5,91	3,03	0,73	4,67	4,41	4,88	0,11	2,82	4,02		2,49	0,16	1,69	3,06		1,50

The company reserves the right to operate dimensional changes without prior notice.





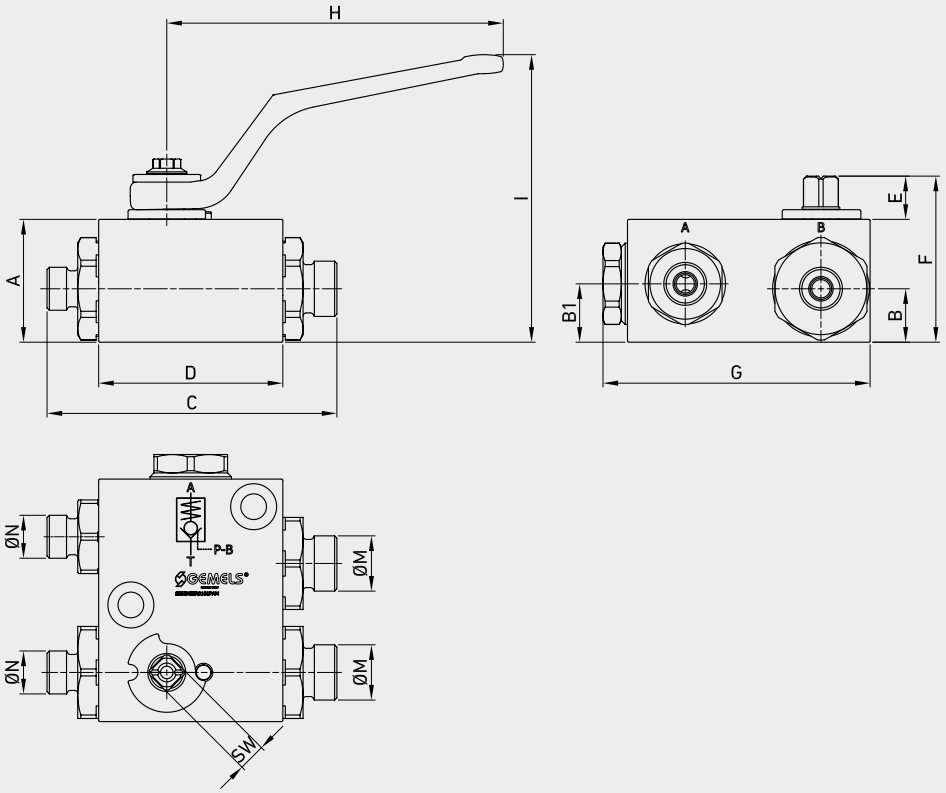


FOR BUILDING / HEAVY EQUIPMENT

TYPE / ITEM CODE	DN		A	B	C	D	E	F	ØG	I	L	ØM	N	CH	ØP	Q	X	Y	ØK	ØLW
GB2 S3 2	25	mm	93	46,5	88	-	18,5	118,5	112	124	-	-	102	30	-	-	36,5	79,4	4xM16	38
		inch	3,66	1,83	3,46	-	0,73	4,67	4,41	4,88	-	-	4,02		-	-	1,44	3,13		1,50







FOR BUILDING / HEAVY EQUIPMENT

TYPE / ITEM CODE	DN		A	B	B1	C	D	E	F	G	H	I	ØM	ØN	SW
GESP4 DIN12L/8L VBPSE 3/8 DN10	10	mm	40	17,4	19	94,4	60	14,1	54,1	87	110	94	DIN 12L	DIN 8L	9
		inch	1,57	0,69	0,75	3,72	2,36	0,56	2,13	3,43	4,33	3,70	-	-	0,35

The company reserves the right to operate dimensional changes without prior notice.



GH2

2-WAY HIGH PRESSURE BALL VALVES

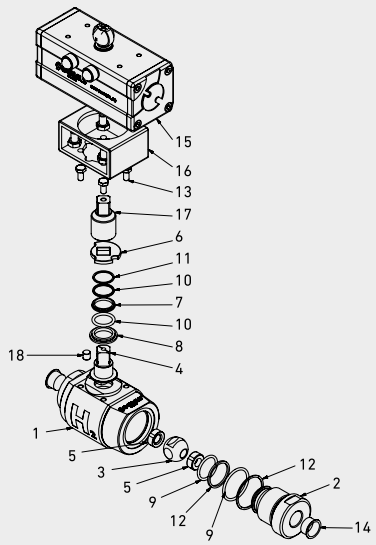
- **For hydrogen application**
- **Up to PN1000**

Edition. 21.1

SS Stainless Steel

- Type: ball valve 2 way high cycle
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE
- Pressure: up to PN1000

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	SS Stainless Steel MATERIAL
1	Body	1	ASTM A479 TP.316
2	Adapter	1	ASTM A479 TP.316
3	Ball	1	ASTM A182 FXM-19
4	Stem	1	ASTM A182 FXM-19
5	Ball seat	2	GEM_PA
6	Washer	1	AISI 316
7	Upper Bushing	1	GEM_PA
8	Lower Bushing	1	GEM_PA
9	Adapter o-ring	2	FKM AED
10	Stem o-ring	2	FKM AED
11	Stem Back-up	1	PTFE
12	Adapter Back-up	2	PTFE
13	Screws	8	ISO 4017 A4
14	Caps	2	PVC
15	Actuator	1	N/A
16	Connector	1	1.0737
17	Joint	1	1.0737
18	Pin	1	AISI 316





CODE DESCRIPTION STRUCTURE

GH2	G1/2	DN13	4	4	J	4	A	B

Type and way of valve

GH2 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1
G 1/4	N 1/4	SAE4
G 3/8	N 3/8	SAE6
G 1/2	N 1/2	SAE8
G 3/4	N 3/4	SAE12
G 1	N 1	SAE16

Size

From DN6 to DN25

Body Material

ASTM A479 TP.316

Adapter material

ASTM A479 TP.316

Steam material

ASTM A182 FXM-19

Ball Material

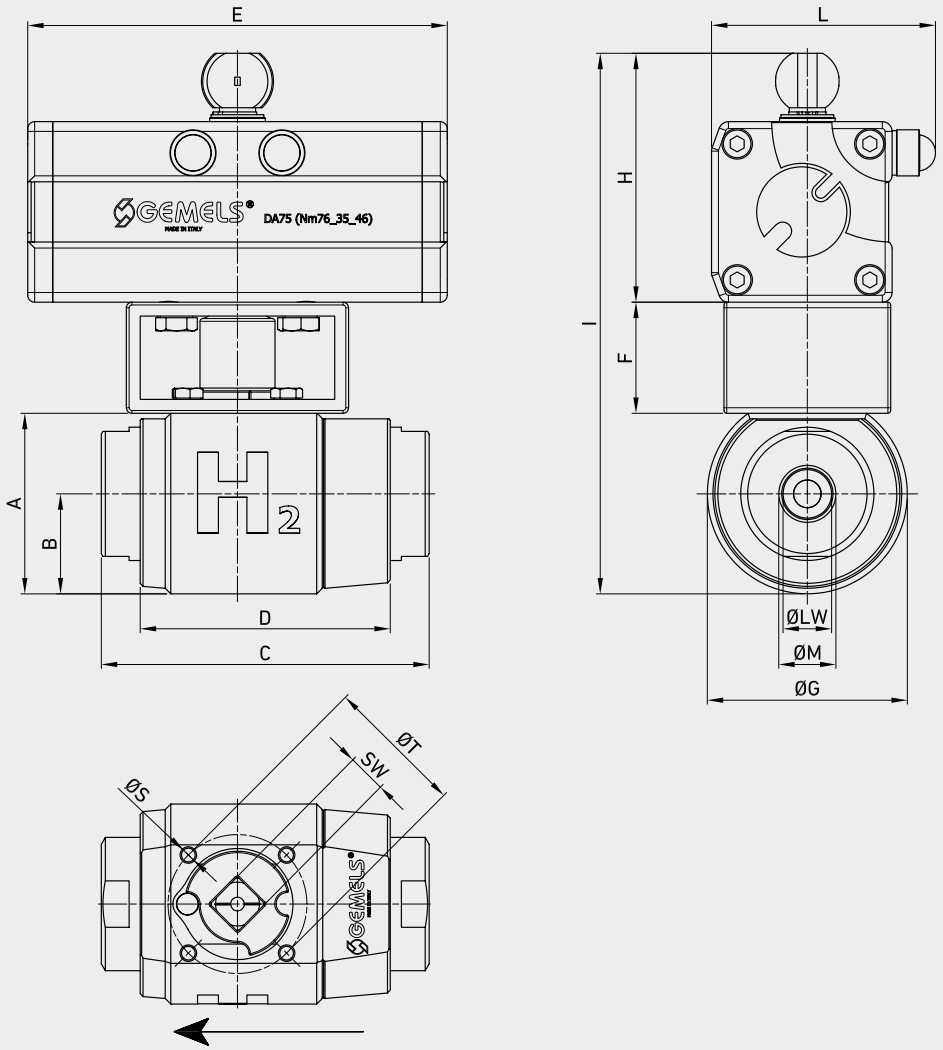
ASTM A182 FXM-19

Seat material

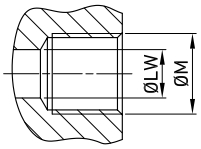
GEM PA

Seal material

FKM AED

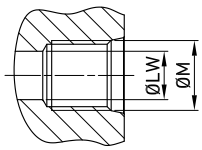


The company reserves the right to operate dimensional changes without prior notice.



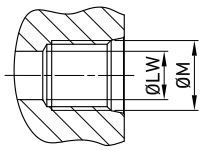
GH2 DIN/ISO 228 BSP

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ISO5211	SW	ØLW
GH2	6	MPa 100	mm	65	36	118	90	151	40	72	90	195	G 1/4	M6	70	F07	14	10
		Psi 14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	10	MPa 100	mm	65	36	118	90	151	40	72	90	195	G 3/8	M6	70	F07	14	10
		Psi 14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	13	MPa 100	mm	65	36	118	90	151	40	72	90	195	G 1/2	M6	70	F07	14	10
		Psi 14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	20	MPa 100	mm	65	36	118	90	151	40	72	90	195	G 3/4	M6	70	F07	14	10
		Psi 14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	25	MPa 100	mm	65	36	118	90	151	40	72	90	195	G 1	M6	70	F07	14	10
		Psi 14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39



GH2 ANSI/ASME B1.20.1 NPT

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ISO5211	SW	ØLW
GH2	6	MPa 100	mm	65	36	118	90	151	40	72	90	195	N 1/4	M6	70	F07	14	10
		Psi 14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	10	MPa 100	mm	65	36	118	90	151	40	72	90	195	N 3/8	M6	70	F07	14	10
		Psi 14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	13	MPa 100	mm	65	36	118	90	151	40	72	90	195	N 1/2	M6	70	F07	14	10
		Psi 14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	20	MPa 100	mm	65	36	118	90	151	40	72	90	195	N 3/4	M6	70	F07	14	10
		Psi 14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	25	MPa 100	mm	65	36	118	90	151	40	72	90	195	N 1	M6	70	F07	14	10
		Psi 14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39



GH2 SAE J1926-1

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ISO5211	SW	ØLW
GH2	6	MPa	100	mm	65	36	118	90	151	40	72	90	195	7/16 UNF	M6	70	F07	14	10
		Psi	14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	10	MPa	100	mm	65	36	118	90	151	40	72	90	195	9/16 UNF	M6	70	F07	14	10
		Psi	14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	13	MPa	100	mm	65	36	118	90	151	40	72	90	195	3/4 UNF	M6	70	F07	14	10
		Psi	14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	20	MPa	100	mm	65	36	118	90	151	40	72	90	195	1 1/16 UNF	M6	70	F07	14	10
		Psi	14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39
GH2	25	MPa	100	mm	65	36	118	90	151	40	72	90	195	1 5/16 UNF	M6	70	F07	14	10
		Psi	14500	inch	2,56	1,42	4,65	3,54	5,94	1,57	2,83	3,54	7,68			2,76		0,55	0,39


H2
Hydrogen H2
zero emission

GEM

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.0

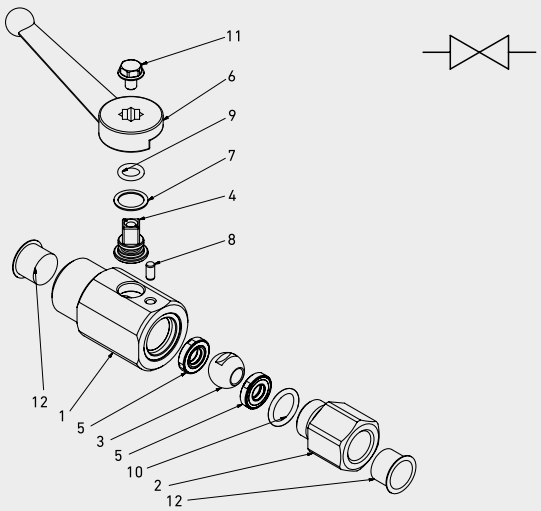
CS Carbon Steel

- Type: ball valve 2 way
- Sizes: DN6
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

SS Stainless Steel

- Type: ball valve 2 way
- Sizes: DN6
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -30°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0737	1,4305
2	Adapter	1	1,0737	1,4305
3	Ball	1	1,0737	1,4404
4	Stem	1	1,0737	1,4305
5	Ball seat	2	POM	POM
6	Handle	1	ZINC	ZINC
7	Stem ring	1	POM	POM
8	Pin	1	1,0737	1,4301
9	Stem o-ring	1	NBR	NBR
10	Adapter o-ring	2	NBR	NBR
11	Screw	1	DIN 6921 8.8	DIN 6921 A2
12	Caps	2	PVC	PVC





CODE DESCRIPTION STRUCTURE

GEM	G 1/4	DN6	1	1	1	1	A	B

Type and way of valve

GEM 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1
G 1/4	N 1/4	SAE4

Size

DN6

Body Material

- **1** = 1,0737
- **3** = 1,4305

Adapter material

- **1** = 1,0737
- **3** = 1,4305

Stem material

- **1** = 1,0737 **3** = 1,4305*
- **3** = 1,4305

Ball Material

- **4** = 1,4404
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **C** = PTFE*

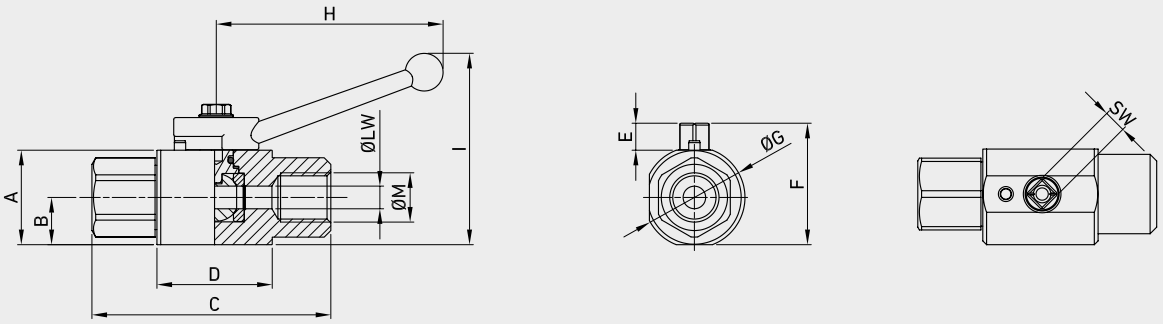
Seal material

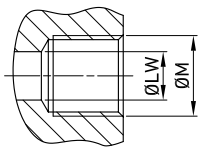
B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN50 Mpa
- Locking device

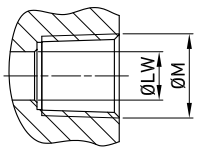
For further special requests please consult our technical/commercial service.





GEM DIN/ISO 228 BSP

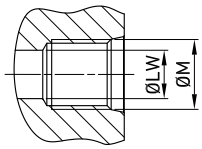
TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØM	SW	ØLW	WEIGHT		CS Carbon Steel	SS Stainless Steel
																			ITEM CODE	
GEM G 1/4	6	MPa	50	mm	25	12,5	63	31,5	7	32,5	26,8	60	51	G 1/4	6	6	kg	0,195	G12GGT15011A000	G12GGT15033A000
		Psi	7250	inch	0,98	0,49	2,48	1,24	0,28	1,28	1,06	2,36	2,01		0,24	0,24	lb	0,43		



GEM ANSI/ASME B1.20.1 NPT

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØM	SW	ØLW	WEIGHT		CS Carbon Steel	SS Stainless Steel
																			ITEM CODE	
GEM N 1/4	6	MPa	50	mm	25	12,5	63	31,5	7	32,5	26,8	60	51	N 1/4	6	6	kg	0,195	G12NNT15011A000	G12NNT15033A000
		Psi	7250	inch	0,98	0,49	2,48	1,24	0,28	1,28	1,06	2,36	2,01		0,24	0,24	lb	0,43		

The company reserves the right to operate dimensional changes without prior notice.



GEM SAE J1926-1

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØM	SW	ØLW	WEIGHT		CS Carbon Steel	SS Stainless Steel
																			ITEM CODE	
GEM SAE4	6	MPa	50	mm	25	12,5	63	31,5	7	32,5	26,8	60	51	7/16-20 UNF	6	6	kg	0,195	G12EEE05011A000	G12EEE05033A000
		Psi	7250	inch	0,98	0,49	2,48	1,24	0,28	1,28	1,06	2,36	2,01		0,24	0,24	lb	0,43		

GE1

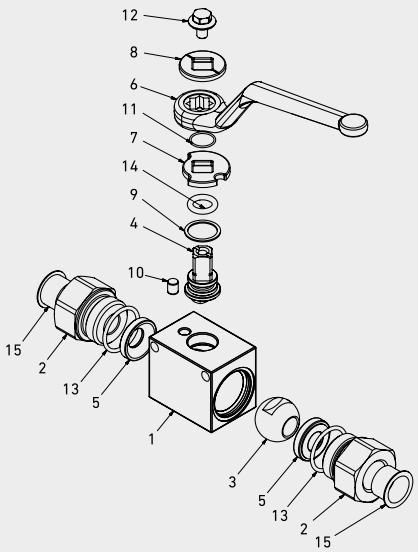
2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.0

CS Carbon Steel

- Type: ball valve 2 way
- Sizes: from DN6 up to DN13
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Adapter	2	1,0737
3	Ball	1	1,0737
4	Stem	1	1,0737
5	Ball seat	2	POM
6	Handle	1	ZINC
7	Washer	1	1,0116
8	Washer	1	1,0116
9	Stem ring	1	POM
10	Pin	1	1,0737
11	Seeger	1	1,4301
12	Adapter o-ring	2	NBR
13	Stem o-ring	1	NBR
14	Screw	1	Din 6921 8.8
15	Caps	2	PVC





SMALLER DESIGN

CODE DESCRIPTION STRUCTURE

GE1	G 1/4	DN6	1	1	1	1	A	B

Type and way of valve

GE1 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1
G 1/4	N 1/4	SAE4
G 3/8	N 3/8	SAE6
G 1/2	N 1/2	SAE8

Size

from DN6 to DN13

Body Material

● **1** = 1,0737

Adapter material

● **1** = 1,0737

Stem material

● **1** = 1,0737 **4** = 1,4404*

Ball Material

● **1** = 1,0737 **4** = 1,4404*

Seat material

A = POM

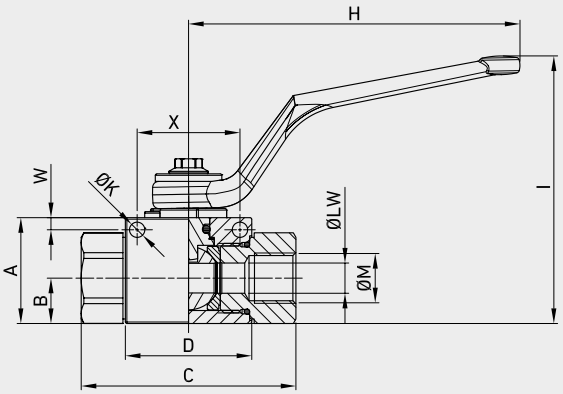
Seal material

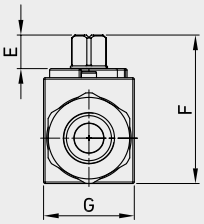
B = NBR

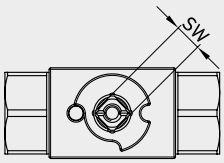
*On request

- Reduced bore
- Special threads
- Pressure class up to PN50 MPa
- Pneumatic and electrical actuator
- Security block
- Locking device

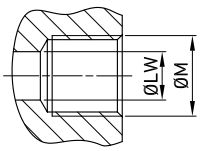
For further special requests please consult our technical/commercial service.







SMALLER DESIGN

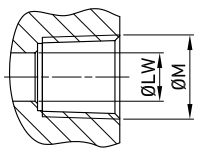


GE1 DIN/ISO 228 BSP

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØK	W	X	SW	ØLW	WEIGHT	ITEM CODE
GE1 G 1/4	6	MPa	50	mm	33	14,3	69	39,4	11,1	47,25	26	110	87	G 1/4	5,10	4	34	9	6	kg 0,378	GE1GGT15011A000
		Psi	7250	inch	1,30	0,56	2,72	1,55	0,44	1,86	1,02	4,33	3,43		0,20	0,16	1,34	0,35	0,24	lb 0,83	
GE1 G 3/8	10	MPa	50	mm	35	15	71	41,8	11,1	49,25	30	110	89	G 3/8	5,1	4	34	9	10	kg 0,467	GE1GGT25011A000
		Psi	7250	inch	1,38	0,59	2,80	1,65	0,44	1,94	1,18	4,33	3,50		0,20	0,16	1,34	0,35	0,39	lb 1,03	
GE1 G 1/2	13	MPa	50	mm	40	18,3	83	44,4	11,1	54,25	35	110	94	G 1/2	5,1	4	36	9	13	kg 0,635	GE1GGT35011A000
		Psi	7250	inch	1,57	0,72	3,27	1,75	0,44	2,14	1,38	4,33	3,70		0,20	0,16	1,42	0,35	0,51	lb 1,40	

FIXING HOLES INCLUDED



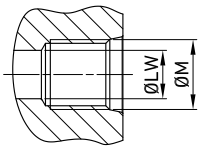
GE1 ANSI/ASME B1.20.1 NPT

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØK	W	X	SW	ØLW	WEIGHT	ITEM CODE
GE1 N 1/4	6	MPa	50	mm	33	14,3	69	39,4	11,1	47,25	26	110	87	N 1/4	5,10	4	34	9	6	kg 0,378	GE1NNT15011A000
		Psi	7250	inch	1,30	0,56	2,72	1,55	0,44	1,86	1,02	4,33	3,43		0,20	0,16	1,34	0,35	0,24	lb 0,83	
GE1 N 3/8	10	MPa	50	mm	35	15	71	41,8	11,1	49,25	30	110	89	N 3/8	5,1	4	34	9	10	kg 0,467	GE1NNT25011A000
		Psi	7250	inch	1,38	0,59	2,80	1,65	0,44	1,94	1,18	4,33	3,50		0,20	0,16	1,34	0,35	0,39	lb 1,03	
GE1 N 1/2	13	MPa	50	mm	40	18,3	83	44,4	11,1	54,25	35	110	94	N 1/2	5,1	4	36	9	13	kg 0,635	GE1NNT35011A000
		Psi	7250	inch	1,57	0,72	3,27	1,75	0,44	2,14	1,38	4,33	3,70		0,20	0,16	1,42	0,35	0,51	lb 1,40	

FIXING HOLES INCLUDED

The company reserves the right to operate dimensional changes without prior notice.



GE1 SAE J1926-1

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	E	F	G	H	I	ØM	ØK	W	X	SW	ØLW	WEIGHT	ITEM CODE
GE1 SAE4	6	MPa	50	mm	33	14,3	69	39,4	11,1	47,25	26	110	87	7/16 UNF	5,10	4	34	9	6	kg 0,378	GE1EEE05011A000
		Psi	7250	inch	1,30	0,56	2,72	1,55	0,44	1,86	1,02	4,33	3,43		0,20	0,16	1,34	0,35	0,24	lb 0,83	
GE1 SAE6	10	MPa	50	mm	35	15	71	41,8	11,1	49,25	30	110	89	9/16 UNF	5,1	4	34	9	10	kg 0,467	GE1EEE15011A000
		Psi	7250	inch	1,38	0,59	2,80	1,65	0,44	1,94	1,18	4,33	3,50		0,20	0,16	1,34	0,35	0,39	lb 1,03	
GE1 SAE8	13	MPa	50	mm	40	18,3	83	44,4	11,1	54,25	35	110	94	3/4 UNF	5,1	4	36	9	13	kg 0,635	GE1EEE25011A000
		Psi	7250	inch	1,57	0,72	3,27	1,75	0,44	2,14	1,38	4,33	3,70		0,20	0,16	1,42	0,35	0,51	lb 1,40	

FIXING HOLES INCLUDED

GE2

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.2

CS Carbon Steel

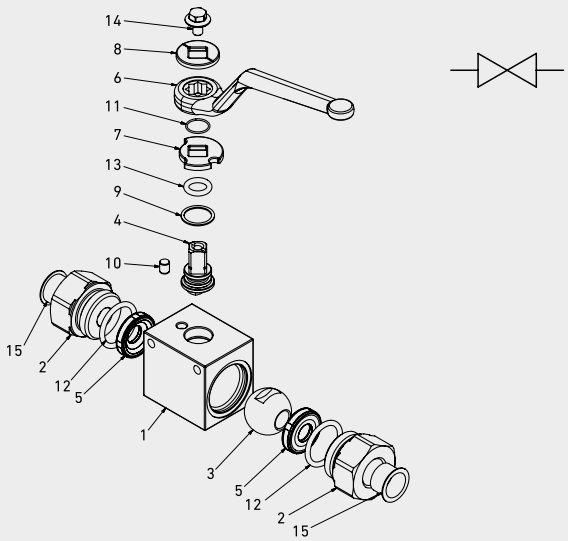
- Type: ball valve 2 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE-DIN
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

SS Stainless Steel

- Type: ball valve 2 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE-DIN
- Pressure: up to PN500
- Temp range: from -30°C to +100°C

DNV Certified

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0737	1,4404
2	Adapter	2	1,0737	1,4404
3	Ball	1	1,0737	1,4404
4	Stem	1	1,0737	1,4404
5	Ball seat	2	POM	POM
6	Handle	1	ZINC	ZINC
7	Washer	1	1,0116	1,4301
8	Washer	1	1,0116	1,4301
9	Stem ring	1	POM	POM
10	Pin	1	1,0737	1,4301
11	Seeger	1	1,4301	1,4301
12	Adapter o-ring	2	NBR	NBR
13	Stem o-ring	1	NBR	NBR
14	Screw	1	Din 6921 8.8	Din 6921 A2
15	Caps	2	PVC	PVC





CODE DESCRIPTION STRUCTURE

GE2	G 1/2	DN13	1	1	1	1	A	B

Type and way of valve

GE2 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES
G 1/4	N 1/4	SAE4	8S	6L
G 3/8	N 3/8	SAE6	10S	8L
G 1/2	N 1/2	SAE8	12S	10L
G 3/4	N 3/4	SAE12	14S	12L
G 1	N 1	SAE16	16S	15L
G 1 1/4 R	N 1 1/4 R	SAE20R	20S	18L
G 1 1/2 R	N 1 1/2 R	SAE24R	25S	22L
			30S	28L
			38S	35L
				42L

Size

from DN6 to DN25

Body Material

- **1** = 1,0737
- **4** = 1,4404

Adapter material

- **1** = 1,0737
- **4** = 1,4404

Stem material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Ball Material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

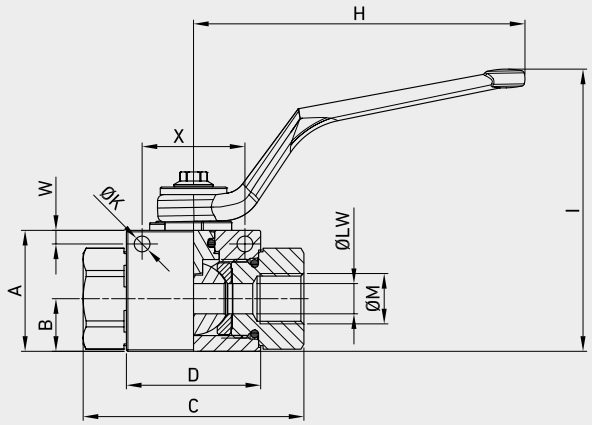
Seal material

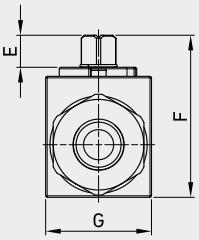
B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

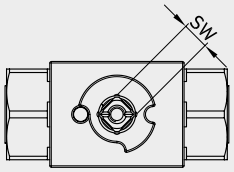
***On request**

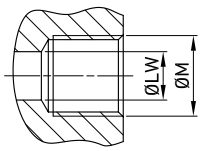
- Reduced bore
- Special threads
- Pressure class up to PN50 MPa
- Pneumatic and electrical actuator
- Security block
- Locking device
- Fixing holes for SS valves

For further special requests please consult our technical/commercial service.









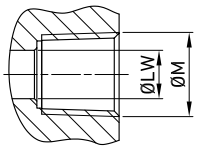
GE2 DIN/ISO 228 BSP

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØK*	W*	X*	SW	ØLW	WEIGHT	Carbon Steel	Stainless Steel
																				ITEM CODE	
GE2 G 1/4	6	MPa	50	mm 35	14,5	71	42,4	11	49	30	110	87	G 1/4	5,25	4,5	34	9	6	kg 0,49	GE2GGT15011A000	GE2GGT15044A000
		Psi	7250	inch 1,38	0,57	2,80	1,67	0,43	1,93	1,18	4,33	3,43		0,21	0,18	1,34	0,35	0,24	lb 1,08		
GE2 G 3/8	10	MPa	50	mm 40	17,4	73	44,4	11	54,25	35	110	93	G 3/8	5,25	4,5	34	9	10	kg 0,644	GE2GGT25011A000	GE2GGT25044A000
		Psi	7250	inch 1,57	0,69	2,87	1,75	0,43	2,14	1,38	4,33	3,66		0,21	0,18	1,34	0,35	0,39	lb 1,42		
GE2 G 1/2	13	MPa	50	mm 43	19,7	83	48,4	11	57	37	110	97	G 1/2	5,25	5	36	9	13	kg 0,757	GE2GGT35011A000	GE2GGT35044A000
		Psi	7250	inch 1,69	0,78	3,27	1,91	0,43	2,24	1,46	4,33	3,82		0,21	0,20	1,42	0,35	0,51	lb 1,67		
GE2 G 3/4	20	MPa	42	mm 57	25,4	95	62,5	14	75,5	49	180	105	G 3/4	6,25	6	50	14	20	kg 1,438	GE2GGT44011A000	GE2GGT44044A000
		Psi	6090	inch 2,24	1,00	3,74	2,46	0,55	2,97	1,93	7,09	4,13		0,25	0,24	1,97	0,55	0,79	lb 3,17		
GE2 G 1	25	MPa	42	mm 65	29,5	112	66,5	14	83,5	55	180	113	G 1	6,25	6	50	14	25	kg 2,223	GE2GGT53011A000	GE2GGT53044A000
		Psi	6090	inch 2,56	1,16	4,41	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 4,90		
GE2 G 1 1/4 R	25	MPa	35	mm 65	29,5	120	66,5	14	83,5	55	180	113	G 1 1/4	6,25	6	50	14	25	kg 2,273	GE2GGR63011A000	GE2GGR63044A000
		Psi	5075	inch 2,56	1,16	4,72	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,01		
GE2 G 1 1/2 R	25	MPa	35	mm 65	29,5	124	66,5	14	83,5	55	180	113	G 1 1/2	6,25	6	50	14	25	kg 2,386	GE2GGR73011A000	GE2GGR73044A000
		Psi	5075	inch 2,56	1,16	4,88	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,26		

FIXING HOLES INCLUDED

Size only for carbon steel valves with fixing holes included.

The company reserves the right to operate dimensional changes without prior notice.

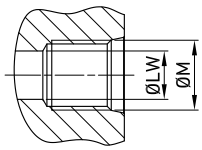


GE2 ANSI/ASME B1.20.1 NPT

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØK*	W*	X*	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
GE2 N 1/4	6	MPa	50	mm 35	14,5	71	42,4	11	49	30	110	87	N 1/4	5,25	4,5	34	9	6	kg 0,49	GE2NNT15011A000	GE2NNT15044A000
		Psi	7250	inch 1,38	0,57	2,80	1,67	0,43	1,93	1,18	4,33	3,43		0,21	0,18	1,34	0,35	0,24	lb 1,08		
GE2 N 3/8	10	MPa	50	mm 40	17,4	73	44,4	11	54,25	35	110	93	N 3/8	5,25	4,5	34	9	10	kg 0,644	GE2NNT25011A000	GE2NNT25044A000
		Psi	7250	inch 1,57	0,69	2,87	1,75	0,43	2,14	1,38	4,33	3,66		0,21	0,18	1,34	0,35	0,39	lb 1,42		
GE2 N 1/2	13	MPa	50	mm 43	19,7	83	48,4	11	57	37	110	97	N 1/2	5,25	5	36	9	13	kg 0,757	GE2NNT35011A000	GE2NNT35044A000
		Psi	7250	inch 1,69	0,78	3,27	1,91	0,43	2,24	1,46	4,33	3,82		0,21	0,20	1,42	0,35	0,51	lb 1,67		
GE2 N 3/4	20	MPa	42	mm 57	25,4	95	62,5	14	75,5	49	180	105	N 3/4	6,25	6	50	14	20	kg 1,438	GE2NNT44011A000	GE2NNT44044A000
		Psi	6090	inch 2,24	1,00	3,74	2,46	0,55	2,97	1,93	7,09	4,13		0,25	0,24	1,97	0,55	0,79	lb 3,17		
GE2 N 1	25	MPa	42	mm 65	29,5	112	66,5	14	83,5	55	180	113	N 1	6,25	6	50	14	25	kg 2,223	GE2NNT53011A000	GE2NNT53044A000
		Psi	6090	inch 2,56	1,16	4,41	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 4,90		
GE2 N 1 1/4 R	25	MPa	35	mm 65	29,5	120	66,5	14	83,5	55	180	113	N 1 1/4	6,25	6	50	14	25	kg 2,273	GE2NNR63011A000	GE2NNR63044A000
		Psi	5075	inch 2,56	1,16	4,72	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,01		
GE2 N 1 1/2 R	25	MPa	35	mm 65	29,5	124	66,5	14	83,5	55	180	113	N 1 1/2	6,25	6	50	14	25	kg 2,386	GE2NNR73011A000	GE2NNR73044A000
		Psi	5075	inch 2,56	1,16	4,88	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,26		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED

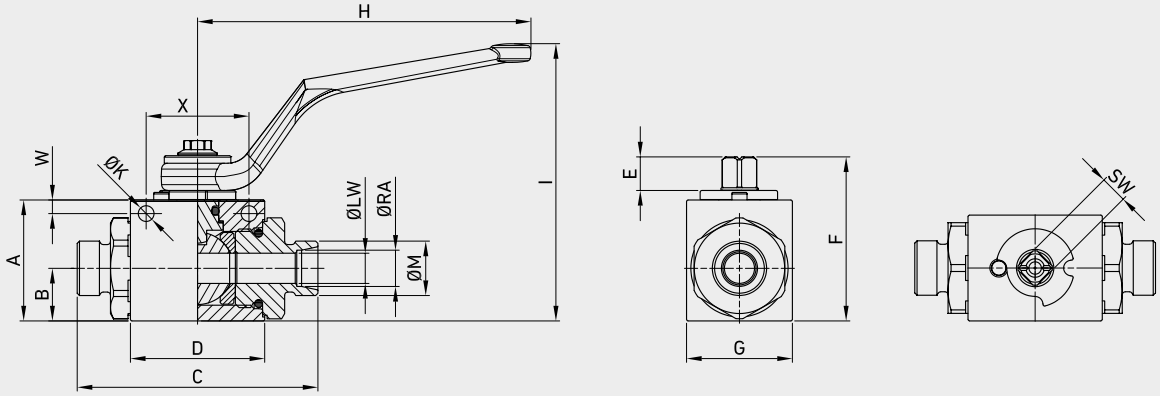


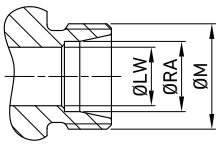
GE2 SAE J1926-1

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØK*	W*	X*	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
GE2 SAE4	6	MPa	50	mm 35	14,5	71	42,4	11,1	49	30	110	87	7/16	5,25	4,5	34	9	6	kg 0,512	GE2EEE05011A000	GE2EEE05044A000
		Psi	7250	inch 1,38	0,57	2,80	1,67	0,44	1,93	1,18	4,33	3,43	UNF	0,21	0,18	1,34	0,35	0,24	lb 1,13		
GE2 SAE6	10	MPa	50	mm 40	17,5	73	44,8	11,1	54,25	35	110	93	9/16	5,25	4,5	34	9	10	kg 0,5	GE2EEE15011A000	GE2EEE15044A000
		Psi	7250	inch 1,57	0,69	2,87	1,76	0,44	2,14	1,38	4,33	3,66	UNF	0,21	0,18	1,34	0,35	0,39	lb 1,10		
GE2 SAE8	13	MPa	50	mm 43	19,7	83	48,4	11,1	57,25	37	110	97	3/4	5,25	5	36	9	13	kg 0,779	GE2EEE25011A000	GE2EEE25044A000
		Psi	7250	inch 1,69	0,78	3,27	1,91	0,44	2,25	1,46	4,33	3,82	UNF	0,21	0,20	1,42	0,35	0,51	lb 1,72		
GE2 SAE12	20	MPa	42	mm 57	25,4	95	62,5	14,35	75,5	49	180	105	1 1/16	6,25	6	50	9	10	kg 1,441	GE2EEE34011A000	GE2EEE34044A000
		Psi	6090	inch 2,24	1,00	3,74	2,46	0,56	2,97	1,93	7,09	4,13	UNF	0,25	0,24	1,97	0,35	0,39	lb 3,18		
GE2 SAE16	25	MPa	42	mm 65	29,5	112,4	66,5	14,35	83,5	55	180	113	1 5/16	6,25	6	50	9	13	kg 2,335	GE2EEE43011A000	GE2EEE43044A000
		Psi	6090	inch 2,56	1,16	4,43	2,62	0,56	3,29	2,17	7,09	4,45	UNF	0,25	0,24	1,97	0,35	0,51	lb 5,15		
GE2 SAE20R	25	MPa	35	mm 65	29,5	120,4	66,5	14,35	83,5	55	180	113	1 5/8	6,25	6	50	9	10	kg 2,307	GE2EEE53011A000	GE2EEE53044A000
		Psi	5075	inch 2,56	1,16	4,74	2,62	0,56	3,29	2,17	7,09	4,45	UNF	0,25	0,24	1,97	0,35	0,39	lb 5,09		
GE2 SAE24R	25	MPa	35	mm 65	29,5	124,4	66,5	14,35	83,5	55	180	113	1 7/8	6,25	6	50	9	13	kg 2,399	GE2EEE63011A000	GE2EEE63044A000
		Psi	5075	inch 2,56	1,16	4,90	2,62	0,56	3,29	2,17	7,09	4,45	UNF	0,25	0,24	1,97	0,35	0,51	lb 5,29		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED



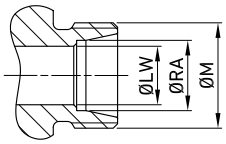


GE2 DIN 2353 HEAVY SERIES

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØK*	W*	X*	SW	ØLW	ØRA	WEIGHT	CS Carbon Steel ITEM CODE	SS Stainless Steel ITEM CODE
GE2 8S	6	MPa 50	mm	35	14,5	76	42,4	11,1	49,25	30	110	87	M16x1,5	5,25	4,5	34	9	4	8	kg 0,501	GE2DDS05011A000	GE2DDS05044A000
		Psi 7250	inch	1,38	0,57	2,99	1,67	0,44	1,94	1,18	4,33	3,43		0,21	0,18	1,34	0,35	0,16	0,31	lb 1,10		
GE2 10S	6	MPa 50	mm	35	14,5	76	42,4	11,1	49,25	30	110	87	M18x1,5	5,25	4,5	34	9	6	10	kg 0,501	GE2DDS15011A000	GE2DDS15044A000
		Psi 7250	inch	1,38	0,57	2,99	1,67	0,44	1,94	1,18	4,33	3,43		0,21	0,18	1,34	0,35	0,24	0,39	lb 1,10		
GE2 12S	8	MPa 50	mm	35	14,5	76	42,4	11	49,25	30	110	87	M20x1,5	5,25	4,5	34	9	8	12	kg 0,501	GE2DDRS5011A000	GE2DDRS5044A000
		Psi 7250	inch	1,38	0,57	2,99	1,67	0,43	1,94	1,18	4,33	3,43		0,21	0,18	1,34	0,35	0,31	0,47	lb 1,10		
GE2 12S	10	MPa 50	mm	40	17,4	76	44,4	11	54,25	35	110	93	M20x1,5	5,25	4,5	34	9	10	12	kg 0,599	GE2DDS25011A000	GE2DDS25044A000
		Psi 7250	inch	1,57	0,69	2,99	1,75	0,43	2,14	1,38	4,33	3,66		0,21	0,18	1,34	0,35	0,39	0,47	lb 1,32		
GE2 14S	10	MPa 50	mm	40	17,4	82,5	44,4	11	54,25	35	110	93	M22x1,5	5,25	4,5	34	9	10	14	kg 0,629	GE2DDS35011A000	GE2DDS35044A000
		Psi 7250	inch	1,57	0,69	3,25	1,75	0,43	2,14	1,38	4,33	3,66		0,21	0,18	1,34	0,35	0,39	0,55	lb 1,39		
GE2 16S	13	MPa 50	mm	43	19,7	89	48,4	11	57	37	110	97	M24x1,5	5,25	5	36	9	13	16	kg 0,67	GE2DDS45011A000	GE2DDS45044A000
		Psi 7250	inch	1,69	0,78	3,50	1,91	0,43	2,24	1,46	4,33	3,82		0,21	0,20	1,42	0,35	0,51	0,63	lb 1,48		
GE2 20S	13	MPa 50	mm	43	19,7	93	48,4	11	57	37	110	97	M30x2	5,25	5	36	9	13	20	kg 0,786	GE2DDS55011A000	GE2DDS55044A000
		Psi 7250	inch	1,69	0,78	3,66	1,91	0,43	2,24	1,46	4,33	3,82		0,21	0,20	1,42	0,35	0,51	0,79	lb 1,73		
GE2 25S	20	MPa 40	mm	57	25,4	111	62,5	14	75,5	49	180	105	M36x2	6,25	6	50	14	20	25	kg 1,485	GE2DDS64011A000	GE2DDS64044A000
		Psi 5800	inch	2,24	1,00	4,37	2,46	0,55	2,97	1,93	7,09	4,13		0,25	0,24	1,97	0,55	0,79	0,98	lb 3,27		
GE2 30S	25	MPa 35	mm	65	29,5	121	66,5	14	83,5	55	180	113	M42x2	6,25	6	50	14	25	30	kg 2,145	GE2DDS73011A000	GE2DDS73044A000
		Psi 5075	inch	2,56	1,16	4,76	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	1,18	lb 4,73		
GE2 38S	25	MPa 35	mm	65	29,5	131	66,5	14	83,5	55	180	113	M52x2	6,25	6	50	14	25	38	kg 2,373	GE2DDS83011A000	GE2DDS83044A000
		Psi 5075	inch	2,56	1,16	5,16	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	1,50	lb 5,23		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED

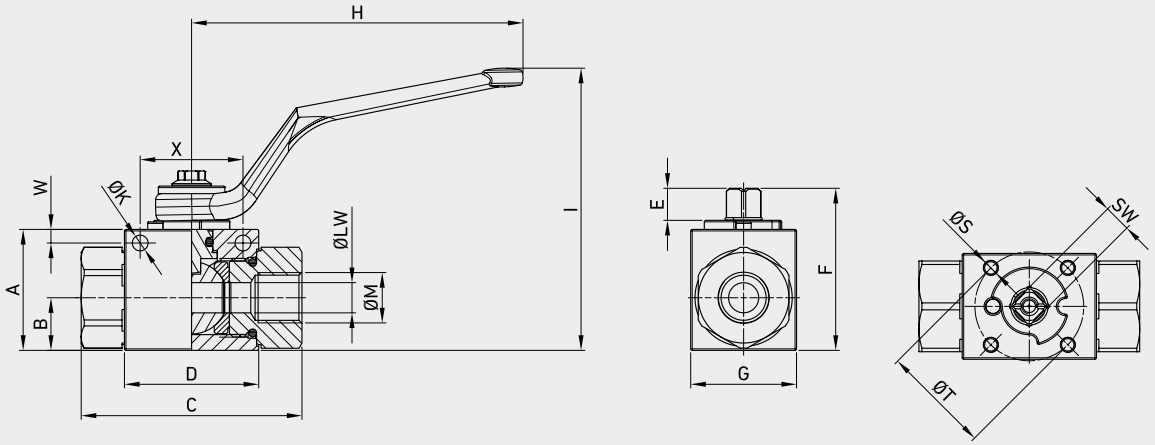


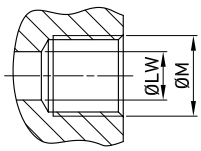
GE2 DIN 2353 LIGHT SERIES

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØK*	W*	X*	SW	ØLW	ØRA	WEIGHT	Carbon Steel ITEM CODE	Stainless Steel ITEM CODE
GE2 6L	6	MPa 50	mm	35	14,5	76	42,4	11	49	30	110	87	M12x1,5	5,25	4,5	34	9	6	6	kg 0,475	GE2DDL05011A000	GE2DDL05044A000
		Psi 7250	inch	1,38	0,57	2,99	1,67	0,43	1,93	1,18	4,33	3,43		0,21	0,18	1,34	0,35	0,24	0,24	lb 1,05		
GE2 8L	6	MPa 50	mm	35	14,5	76	42,4	11	49	30	110	87	M14x1,5	5,25	4,5	34	9	6	8	kg 0,477	GE2DDL15011A000	GE2DDL15044A000
		Psi 7250	inch	1,38	0,57	2,99	1,67	0,43	1,93	1,18	4,33	3,43		0,21	0,18	1,34	0,35	0,24	0,31	lb 1,05		
GE2 10L	6	MPa 50	mm	35	14,5	76	42,4	11	49	30	110	87	M16x1,5	5,25	4,5	34	9	6	10	kg 0,475	GE2DDRL5011A000	GE2DDRL5044A000
		Psi 7250	inch	1,38	0,57	2,99	1,67	0,43	1,93	1,18	4,33	3,43		0,21	0,18	1,34	0,35	0,24	0,39	lb 1,05		
GE2 10L	10	MPa 50	mm	40	17,4	76,5	44,4	11	54,25	35	110	93	M16x1,5	5,25	4,5	34	9	8	10	kg 0,597	GE2DDL25011A000	GE2DDL25044A000
		Psi 7250	inch	1,57	0,69	3,01	1,75	0,43	2,14	1,38	4,33	3,66		0,21	0,18	1,34	0,35	0,31	0,39	lb 1,32		
GE2 12L	10	MPa 50	mm	40	17,4	79,5	44,4	11	54,25	35	110	93	M18x1,5	5,25	4,5	34	9	10	12	kg 0,616	GE2DDL35011A000	GE2DDL35044A000
		Psi 7250	inch	1,57	0,69	3,13	1,75	0,43	2,14	1,38	4,33	3,66		0,21	0,18	1,34	0,35	0,39	0,47	lb 1,36		
GE2 15L	13	MPa 50	mm	43	19,7	87	48,4	11	57	37	110	97	M22x1,5	5,25	5	36	9	13	15	kg 0,731	GE2DDL45011A000	GE2DDL45044A000
		Psi 7250	inch	1,69	0,78	3,43	1,91	0,43	2,24	1,46	4,33	3,82		0,21	0,20	1,42	0,35	0,51	0,59	lb 1,61		
GE2 18L	13	MPa 50	mm	43	19,7	87	48,4	11	57	37	110	97	M26x1,5	5,25	5	36	9	13	18	kg 0,748	GE2DDL55011A000	GE2DDL55044A000
		Psi 7250	inch	1,69	0,78	3,43	1,91	0,43	2,24	1,46	4,33	3,82		0,21	0,20	1,42	0,35	0,51	0,71	lb 1,65		
GE2 22L	20	MPa 40	mm	57	25,4	110	62,5	14	75,5	49	180	105	M30x2	6,25	6	50	14	20	22	kg 1,463	GE2DDL64011A000	GE2DDL64044A000
		Psi 5800	inch	2,24	1,00	4,33	2,46	0,55	2,97	1,93	7,09	4,13		0,25	0,24	1,97	0,55	0,79	0,87	lb 3,23		
GE2 28L	25	MPa 35	mm	65	29,5	117	66,5	14	83,5	55	180	113	M36x2	6,25	6	50	14	25	28	kg 2,131	GE2DDL73011A000	GE2DDL73044A000
		Psi 5075	inch	2,56	1,16	4,61	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	1,10	lb 4,70		
GE2 35L	25	MPa 35	mm	65	29,5	119	66,5	14	83,5	55	180	113	M45x2	6,25	6	50	14	25	35	kg 2,163	GE2DDL83011A000	GE2DDL83044A000
		Psi 5075	inch	2,56	1,16	4,69	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	1,38	lb 4,77		
GE2 42L	25	MPa 35	mm	65	29,5	119	66,5	14	83,5	55	180	113	M52x2	6,25	6	50	14	25	42	kg 2,256	GE2DDL93011A000	GE2DDL93044A000
		Psi 5075	inch	2,56	1,16	4,69	2,62	0,55	3,29	2,17	7,09	4,45		0,25	0,24	1,97	0,55	0,98	1,65	lb 4,97		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED





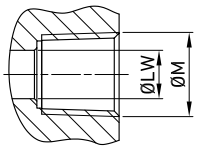
GE2 DIN/ISO 228 BSP

Assembling threads per IS05211

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ØK*	W*	X*	ISO5211	SW	ØLW	WEIGHT	Carbon Steel	Stainless Steel
																							ITEM CODE	
GE2 G 1/4	6	MPa	50	mm 35	14,5	71	42,4	11	49	30	110	87	G 1/4	M4	35	5,25	4,5	34	F03	9	6	kg 0,49	GE2GGT15011AF50	GE2GGT15044AF50
		Psi	7250	inch 1,38	0,57	2,80	1,67	0,43	1,93	1,18	4,33	3,43			1,38	0,21	0,18	1,34		0,35	0,24	lb 1,08		
GE2 G 3/8	10	MPa	50	mm 40	17,4	73	44,4	11	54,25	35	110	93	G 3/8	M5	36	5,25	4,5	34	F03	9	10	kg 0,644	GE2GGT25011AF50	GE2GGT25044AF50
		Psi	7250	inch 1,57	0,69	2,87	1,75	0,43	2,14	1,38	4,33	3,66			1,42	0,21	0,18	1,34		0,35	0,39	lb 1,42		
GE2 G 1/2	13	MPa	50	mm 43	19,7	83	48,4	11	57	37	110	97	G 1/2	M5	36	5,25	5	36	F03	9	13	kg 0,757	GE2GGT35011AF50	GE2GGT35044AF50
		Psi	7250	inch 1,69	0,78	3,27	1,91	0,43	2,24	1,46	4,33	3,82			1,42	0,21	0,20	1,42		0,35	0,51	lb 1,67		
GE2 G 3/4	20	MPa	42	mm 57	25,4	95	62,5	14	75,5	49	180	105	G 3/4	M6	50	6,25	6	50	F05	14	20	kg 1,438	GE2GGT44011AF50	GE2GGT44044AF50
		Psi	6090	inch 2,24	1,00	3,74	2,46	0,55	2,97	1,93	7,09	4,13			1,97	0,25	0,24	1,97		0,55	0,79	lb 3,17		
GE2 G 1	25	MPa	42	mm 65	29,5	112	66,5	14	83,5	55	180	113	G 1	M6	50	6,25	6	50	F05	14	25	kg 2,223	GE2GGT53011AF50	GE2GGT53044AF50
		Psi	6090	inch 2,56	1,16	4,41	2,62	0,55	3,29	2,17	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 4,90		
GE2 G 1 1/4 R	25	MPa	35	mm 65	29,5	120	66,5	14	83,5	55	180	113	G 1 1/4	M6	50	6,25	6	50	F05	14	25	kg 2,273	GE2GGR63011AF50	GE2GGR63044AF50
		Psi	5075	inch 2,56	1,16	4,72	2,62	0,55	3,29	2,17	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 5,01		
GE2 G 1 1/2 R	25	MPa	35	mm 65	29,5	124	66,5	14	83,5	55	180	113	G 1 1/2	M6	50	6,25	6	50	F05	14	25	kg 2,386	GE2GGR73011AF50	GE2GGR73044AF50
		Psi	5075	inch 2,56	1,16	4,88	2,62	0,55	3,29	2,17	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 5,26		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED



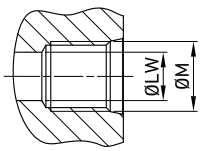
GE2 ANSI/ASME B1.20.1 NPT

Assembling threads per ISO5211

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ØK*	W*	X*	ISO5211	SW	ØLW	WEIGHT	Carbon Steel	Stainless Steel
GE2 N 1/4	6	MPa	50	mm	35	14,5	71	42,4	11	49	30	110	87	N 1/4	M4	35	5,25	4,5	34	F03	9	6	kg	0,49	GE2NNT15011AF50	GE2NNT15044AF50
		Psi	7250	inch	1,38	0,57	2,80	1,67	0,43	1,93	1,18	4,33	3,43			1,38	0,21	0,18	1,34		0,35	0,24	lb	1,08		
GE2 N 3/8	10	MPa	50	mm	40	17,4	73	44,4	11	54,25	35	110	93	N 3/8	M5	36	5,25	4,5	34	F03	9	10	kg	0,644	GE2NNT25011AF50	GE2NNT25044AF50
		Psi	7250	inch	1,57	0,69	2,87	1,75	0,43	2,14	1,38	4,33	3,66			1,42	0,21	0,18	1,34		0,35	0,39	lb	1,42		
GE2 N 1/2	13	MPa	50	mm	43	19,7	83	48,4	11	57	37	110	97	N 1/2	M5	36	5,25	5	36	F03	9	13	kg	0,757	GE2NNT35011AF50	GE2NNT35044AF50
		Psi	7250	inch	1,69	0,78	3,27	1,91	0,43	2,24	1,46	4,33	3,82			1,42	0,21	0,20	1,42		0,35	0,51	lb	1,67		
GE2 N 3/4	20	MPa	42	mm	57	25,4	95	62,5	14	75,5	49	180	105	N 3/4	M6	50	6,25	6	50	F05	14	20	kg	1,438	GE2NNT44011AF50	GE2NNT44044AF50
		Psi	6090	inch	2,24	1,00	3,74	2,46	0,55	2,97	1,93	7,09	4,13			1,97	0,25	0,24	1,97		0,55	0,79	lb	3,17		
GE2 N 1	25	MPa	42	mm	65	29,5	112	66,5	14	83,5	55	180	113	N 1	M6	50	6,25	6	50	F05	14	25	kg	2,223	GE2NNT53011AF50	GE2NNT53044AF50
		Psi	6090	inch	2,56	1,16	4,41	2,62	0,55	3,29	2,17	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb	4,90		
GE2 N 1 1/4 R	25	MPa	35	mm	65	29,5	120	66,5	14	83,5	55	180	113	N 1 1/4	M6	50	6,25	6	50	F05	14	25	kg	2,273	GE2NNR63011AF50	GE2NNR63044AF50
		Psi	5075	inch	2,56	1,16	4,72	2,62	0,55	3,29	2,17	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb	5,01		
GE2 N 1 1/2 R	25	MPa	35	mm	65	29,5	124	66,5	14	83,5	55	180	113	N 1 1/2	M6	50	6,25	6	50	F05	14	25	kg	2,386	GE2NNR73011AF50	GE2NNR73044AF50
		Psi	5075	inch	2,56	1,16	4,88	2,62	0,55	3,29	2,17	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb	5,26		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED



GE2 SAE J1926-1

Assembling threads per ISO5211

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ØK*	W*	X*	ISO5211	SW	ØLW	WEIGHT	Carbon Steel	Stainless Steel
GE2 SAE4	6	MPa	50	mm	35	14,5	71	42,4	11,1	49	30	110	87	7/16 UNF	M4	35	0,21	0,18	1,34	F03	9	6	kg	0,512	GE2EEE05011AF50	GE2EEE05044AF50
		Psi	7250	inch	1,38	0,57	2,80	1,67	0,44	1,93	1,18	4,33	3,43			1,38	5,25	4,5	34		0,35	0,24	lb	1,13		
GE2 SAE6	10	MPa	50	mm	40	17,5	73	44,8	11,1	54,25	35	110	93	9/16 UNF	M4	35	0,21	0,18	1,34	F03	9	10	kg	0,5	GE1EEE15011AF50	GE2EEE15044AF50
		Psi	7250	inch	1,57	0,69	2,87	1,76	0,44	2,14	1,38	4,33	3,66			1,38	5,25	5	36		0,35	0,39	lb	1,10		
GE2 SAE8	13	MPa	50	mm	43	19,7	83	48,4	11,1	57,25	37	110	97	3/4 UNF	M5	36	0,21	0,20	1,42	F03	9	13	kg	0,779	GE1EEE25011AF50	GE2EEE25044AF50
		Psi	7250	inch	1,69	0,78	3,27	1,91	0,44	2,25	1,46	4,33	3,82			1,42	6,25	6	50		0,35	0,51	lb	1,72		
GE2 SAE12	20	MPa	50	mm	57	25,4	95	62,5	14,35	75,5	49	180	105	1 1/16 UNF	M5	36	0,25	0,24	1,97	F05	9	20	kg	1,441	GE2EEE34011AF50	GE2EEE34044AF50
		Psi	7250	inch	2,24	1,00	3,74	2,46	0,56	2,97	1,93	7,09	4,13			1,42	6,25	6	50		0,35	0,79	lb	3,18		
GE2 SAE16	25	MPa	42	mm	65	29,5	112,4	66,5	14,35	83,5	55	180	113	1 5/16 UNF	M6	50	0,25	0,24	1,97	F05	9	25	kg	2,335	GE2EEE43011AF50	GE2EEE43044AF50
		Psi	6090	inch	2,56	1,16	4,43	2,62	0,56	3,29	2,17	7,09	4,45			1,97	6,25	6	50		0,35	0,98	lb	5,15		
GE2 SAE20R	25	MPa	35	mm	65	29,5	120,4	66,5	14,35	83,5	55	180	113	1 5/8 UNF	M6	50	0,25	0,24	1,97	F05	9	25	kg	2,307	GE2EEE53011AF50	GE2EEE53044AF50
		Psi	5075	inch	2,56	1,16	4,74	2,62	0,56	3,29	2,17	7,09	4,45			1,97	6,25	6	50		0,35	0,98	lb	5,09		
GE2 SAE24R	25	MPa	35	mm	65	29,5	124,4	66,5	14,35	83,5	55	180	113	1 7/8 UNF	M6	50	0,25	0,24	1,97	F05	9	25	kg	2,399	GE2EEE63011AF50	GE2EEE63044AF50
		Psi	5075	inch	2,56	1,16	4,90	2,62	0,56	3,29	2,17	7,09	4,45			1,97	0,25	0,24	1,97		0,35	0,98	lb	5,29		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED

GE2 HC High Cyclicity

2-WAY HIGH PRESSURE BALL VALVES

1.000.000 CYCLES

Edition. 21.0

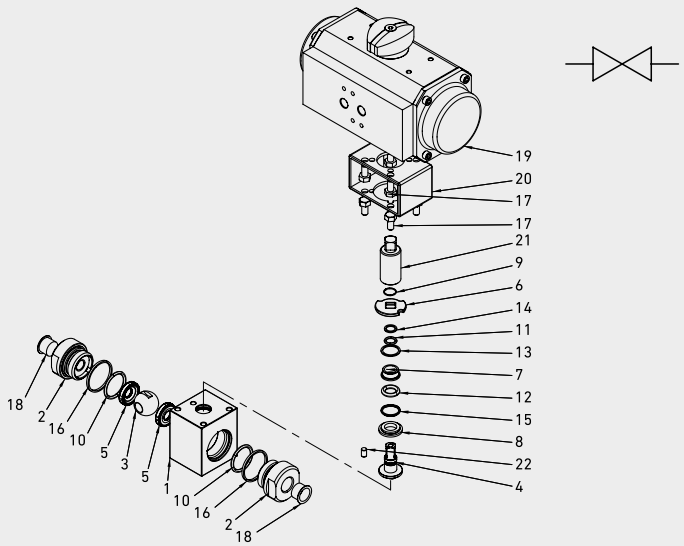
CS Carbon Steel

- Type: ball valve 2 way high cycles
- Sizes: from DN6 up to DN32
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

SS Stainless Steel

- Type: ball valve 2 way high cycles
- Sizes: from DN6 up to DN32
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -30°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY DN10-13	Q.TY DN20-25-32	CS Carbon Steel	SS Stainless Steel
				MATERIAL	
1	Body	1	1	1,0737	1,4404
2	Adapter	2	2	1,0460	1,4404
3	Ball	1	1	1,4404	1,4404
4	Stem	1	1	1,4542	1,4542
5	Ball seat	2	2	POM	POM
6	Washer	1	1	1,0116	1,0116
7	Upper Bushing	1	1	POM - A1000	POM -A1000
8	Lower Bushing	1	1	POM - A1000	POM -A1000
9	Seeger	1	1	1,4301	1,4301
10	Adapter o-ring	2	2	NBR	NBR
11	Stem o-ring	1	1	NBR	NBR

POS	DESCRIPTION	Q.TY DN10-13	Q.TY DN20-25-32	CS Carbon Steel	SS Stainless Steel
				MATERIAL	
12	Stem o-ring	1	/	NBR	NBR
13	Stem Back-up	1	1	PTFE	PTFE
14	Stem Back-up	1	/	PTFE	PTFE
15	Stem quad-ring	1	1	NBR	NBR
16	Closure gasket	2	2	GRAPHITE	GRAPHITE
17	Screws	8	8	ISO 4017 8.8	ISO 4017 8.8
18	Caps	2	2	PVC	PVC
19	Actuator	1	1	N/A	N/A
20	Connector	1	1	1,0737	1,0737
21	Joint	1	1	1,0737	1,0737
22	Pin	1	1	1,0737	1,4404





STANDARD DESIGN: BARE STEM WITH ACTUATOR HOLES

CODE DESCRIPTION STRUCTURE

GE2 HC	G 1/2	DN13	1	2	M	4	A	B

Type and way of valve

GE2 HC 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1
G 1/4	N 1/4	SAE4
G 3/8	N 3/8	SAE6
G 1/2	N 1/2	SAE8
G 3/4	N 3/4	SAE12
G 1	N 1	SAE16
G 1 1/4	N 1 1/4	SAE20

Size

from DN6 to DN32

Body Material

- **1** = 1,0737
- **4** = 1,4404

Adapter material

- **2** = 1,0460
- **4** = 1,4404

Stem material

- **M** = 1,4542
- **M** = 1,4542

Ball Material

- **4** = 1,4404
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

Seal material

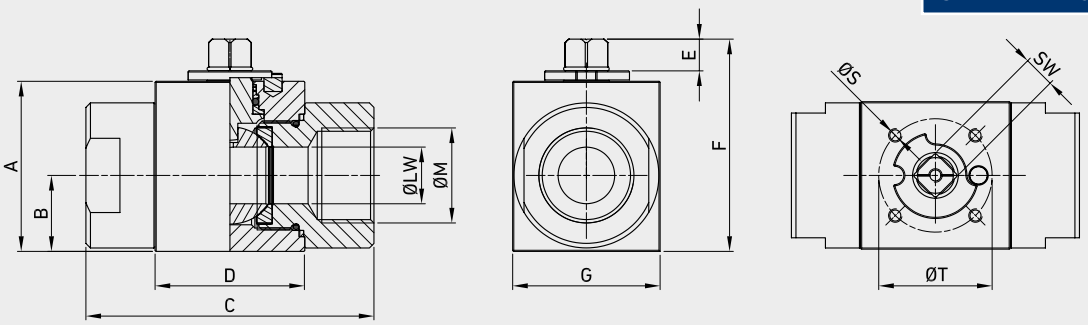
B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

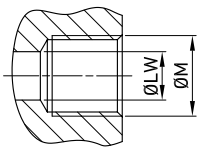
*On request

- Pneaumatic and electrical actuator

For further special requests please consult our technical/commercial service.

STANDARD DESIGN: BARE STEM WITH ACTUATOR HOLES



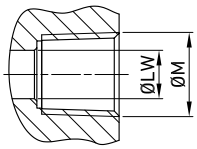


GE2 HC DIN/ISO 228 BSP

CS Carbon Steel — SS Stainless Steel

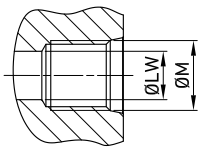
TYPE	DN	PN			A	B	C	D	E	F	G	ØM	ØS	ØT	ISO5211	SW	ØLW	WEIGHT	ITEM CODE	
GE2 G 1/4	6	MPa	50	mm	57	24,5	73	44	11	71,3	49	G 1/4	M6	50	F05	9	10	kg 0,505	G590202A1301TAA	G590202A2P01TAA
		Psi	7250	inch	2,24	0,96	2,87	1,73	0,43	2,81	1,93			1,97		0,35	0,39	lb 1,11		
GE2 G 3/8	10	MPa	50	mm	57	24,5	73	44	11	71,3	49	G 3/8	M6	50	F05	9	10	kg 0,744	G590203A1301TAA	G590203A2P01TAA
		Psi	7250	inch	2,24	0,96	2,87	1,73	0,43	2,81	1,93			1,97		0,35	0,39	lb 1,64		
GE2 G 1/2	13	MPa	50	mm	57	23,5	81	48	11	71,3	49	G 1/2	M6	50	F05	9	13	kg 1,238	G590204A1301TAA	G590204A2P01TAA
		Psi	7250	inch	2,24	0,93	3,19	1,89	0,43	2,81	1,93			1,97		0,35	0,51	lb 2,73		
GE2 G 3/4	20	MPa	40	mm	65	27	98	62	14	83,7	55	G 3/4	M6	50	F05	14	20	kg 1,818	G590205A1301RAA	G590205A2P01RAA
		Psi	5800	inch	2,56	1,06	3,86	2,44	0,55	3,30	2,17			1,97		0,55	0,79	lb 4,01		
GE2 G 1	25	MPa	35	mm	75	33,5	106	66	14	93,6	65	G 1	M6	50	F05	14	25	kg 2,323	G590206A1301PAA	G590206A2P01PAA
		Psi	5075	inch	2,95	1,32	4,17	2,60	0,55	3,69	2,56			1,97		0,55	0,98	lb 5,12		
GE2 G 1 1/4 R	25	MPa	35	mm	75	33,5	127	66	14	93,6	65	G 1/4	M6	50	F05	14	25	kg 2,573	G590207R1301PAA	G590207R2P01PAA
		Psi	5075	inch	2,95	1,32	5,00	2,60	0,55	3,69	2,56			1,97		0,55	0,98	lb 5,67		
GE2 G 1 1/4	32	MPa	35	mm	87	40,75	127	83	14	93,6	80	G 1/4	M8	70	F07	14	32	kg 2,890	G590207A1301PAA	G590207A2P01PAA
		Psi	5075	inch	3,43	1,60	5,00	3,27	0,55	3,69	3,15			2,76		0,55	1,26	lb 6,37		

The company reserves the right to operate dimensional changes without prior notice.



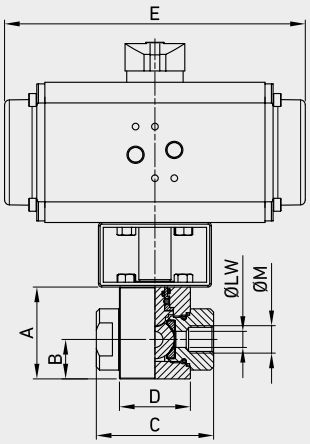
GE2 HC ANSI/ASME B1.20.1 NPT

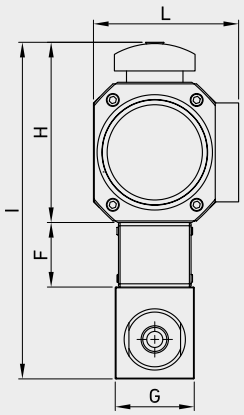
TYPE	DN	PN			A	B	C	D	E	F	G	ØM	ØS	ØT	ISO5211	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
																			ITEM CODE	
GE2 N 1/4	6	MPa	50	mm	57	24,5	73	44	11	71,3	49	N 1/4	M6	50	F05	9	10	kg 0,505	G590902A1301TAA	G590902A2P01TAA
		Psi	7250	inch	2,24	0,96	2,87	1,73	0,43	2,81	1,93			1,97		0,35	0,39	lb 1,11		
GE2 N 3/8	10	MPa	50	mm	57	24,5	73	44	11	71,3	49	N 3/8	M6	50	F05	9	10	kg 0,744	G590903A1301TAA	G590903A2P01TAA
		Psi	7250	inch	2,24	0,96	2,87	1,73	0,43	2,81	1,93			1,97		0,35	0,39	lb 1,64		
GE2 N 1/2	13	MPa	50	mm	57	23,5	81	48	11	71,3	49	N 1/2	M6	50	F05	9	13	kg 1,238	G590904A1301TAA	G590904A2P01TAA
		Psi	7250	inch	2,24	0,93	3,19	1,89	0,43	2,81	1,93			1,97		0,35	0,51	lb 2,73		
GE2 N 3/4	20	MPa	40	mm	65	27	98	62	14	83,7	55	N 3/4	M6	50	F05	14	20	kg 1,818	G590905A1301RAA	G590905A2P01RAA
		Psi	5800	inch	2,56	1,06	3,86	2,44	0,55	3,30	2,17			1,97		0,55	0,79	lb 4,01		
GE2 N 1	25	MPa	35	mm	75	33,5	106	66	14	93,6	65	N 1	M6	50	F05	14	25	kg 2,323	G590906A1301PAA	G590906A2P01PAA
		Psi	5075	inch	2,95	1,32	4,17	2,60	0,55	3,69	2,56			1,97		0,55	0,98	lb 5,12		
GE2 N 1 1/4 R	25	MPa	35	mm	75	33,5	127	66	14	93,6	65	N 1/4	M6	50	F05	14	25	kg 2,573	G590907R1301PAA	G590907R2P01PAA
		Psi	5075	inch	2,95	1,32	5,00	2,60	0,55	3,69	2,56			1,97		0,55	0,98	lb 5,67		
GE2 N 1 1/4	32	MPa	35	mm	87	40,75	127	83	14	93,6	80	N 1/4	M8	70	F07	14	32	kg 2,890	G590907A1301PAA	G590907A2P01PAA
		Psi	5075	inch	3,43	1,60	5,00	3,27	0,55	3,69	3,15			2,76		0,55	1,26	lb 6,37		



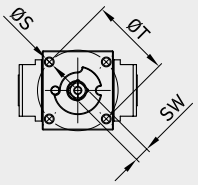
GE2 HC SAE J1926-1

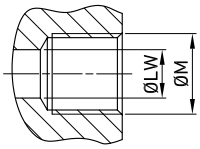
TYPE	DN	PN			A	B	C	D	E	F	G	ØM	ØS	ØT	ISO5211	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
																			ITEM CODE	
GE2 SAE4	6	MPa	50	mm	57	24,5	73	44	11	71,3	49	7/16 UNF	M6	50	F05	9	10	kg 0,505	G590B02A1301TAA	G590B02A2P01TAA
		Psi	7250	inch	2,24	0,96	2,87	1,73	0,43	2,81	1,93			1,97		0,35	0,39	lb 1,11		
GE2 SAE6	10	MPa	50	mm	57	24,5	73	44	11	71,3	49	9/16 UNF	M6	50	F05	9	10	kg 0,744	G590B03A1301TAA	G590B03A2P01TAA
		Psi	7250	inch	2,24	0,96	2,87	1,73	0,43	2,81	1,93			1,97		0,35	0,39	lb 1,64		
GE2 SAE8	13	MPa	50	mm	57	23,5	81	48	11	71,3	49	3/4 UNF	M6	50	F05	9	13	kg 1,238	G590B04A1301TAA	G590B04A2P01TAA
		Psi	7250	inch	2,24	0,93	3,19	1,89	0,43	2,81	1,93			1,97		0,35	0,51	lb 2,73		
GE2 SAE12	20	MPa	40	mm	65	27	98	62	14	83,7	55	1 1/16 UNF	M6	50	F05	14	20	kg 1,818	G590B05A1301RAA	G590B05A2P01RAA
		Psi	5800	inch	2,56	1,06	3,86	2,44	0,55	3,30	2,17			1,97		0,55	0,79	lb 4,01		
GE2 SAE16	25	MPa	35	mm	75	33,5	106	66	14	93,6	65	1 5/16 UNF	M6	50	F05	14	25	kg 2,323	G590B06A1301PAA	G590B06A2P01PAA
		Psi	5075	inch	2,95	1,32	4,17	2,60	0,55	3,69	2,56			1,97		0,55	0,98	lb 5,12		
GE2 SAE20R	25	MPa	35	mm	75	33,5	127	66	14	93,6	65	1 5/8 UNF	M6	50	F05	14	25	kg 2,573	G590B07R1301PAA	G590B07R2P01PAA
		Psi	5075	inch	2,95	1,32	5,00	2,60	0,55	3,69	2,56			1,97		0,55	0,98	lb 5,67		
GE2 SAE20	32	MPa	35	mm	87	40,75	127	83	14	93,6	80	1 5/8 UNF	M8	70	F07	14	32	kg 2,890	G590B07A1301PAA	G590B07A2P01PAA
		Psi	5075	inch	3,43	1,60	5,00	3,27	0,55	3,69	3,15			2,76		0,55	1,26	lb 6,37		





CUSTOMIZED VALVES WITH SELECTED ACTUATORS



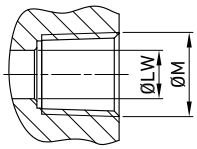


GE2 HC DIN/ISO 228 BSP

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØM	ØS	ØT	ISO5211	SW	ØLW	WEIGHT
GE2 G 1/4	6	MPa 50	mm	57	24,5	73	44	187	40	49	112	209	90	G 1/4	M6	50	F05	9	10	kg 1,11
		Psi 7250	inch	2,24	0,96	2,87	1,73	7,36	1,57	1,93	4,41	8,23	3,54			1,97		0,35	0,39	lb 2,45
GE2 G 3/8	10	MPa 50	mm	57	24,5	73	44	187	40	49	112	209	90	G 3/8	M6	50	F05	9	10	kg 1,060
		Psi 7250	inch	2,24	0,96	2,87	1,73	7,36	1,57	1,93	4,41	8,23	3,54			1,97		0,35	0,39	lb 2,34
GE2 G 1/2	13	MPa 50	mm	57	23,5	81	48	187	40	49	112	209	90	G 1/2	M6	50	F05	9	13	kg 1,187
		Psi 7250	inch	2,24	0,93	3,19	1,89	7,36	1,57	1,93	4,41	8,23	3,54			1,97		0,35	0,51	lb 2,62
GE2 G 3/4	20	MPa 40	mm	65	27	98	62	206	40	55	143	248	113	G 3/4	M6	50	F05	14	20	kg 1,935
		Psi 5800	inch	2,56	1,06	3,86	2,44	8,11	1,57	2,17	5,63	9,76	4,45			1,97		0,55	0,79	lb 4,27
GE2 G 1	25	MPa 35	mm	75	33,5	106	66	206	40	65	143	258	113	G 1	M6	50	F05	14	25	kg 2,787
		Psi 5075	inch	2,95	1,32	4,17	2,60	8,11	1,57	2,56	5,63	10,16	4,45			1,97		0,55	0,98	lb 6,14
GE2 G 1 1/4 R	25	MPa 35	mm	75	33,5	127	66	206	40	65	143	258	113	G 1/4	M6	50	F05	14	25	kg 4,768
		Psi 5075	inch	2,95	1,32	5,00	2,60	8,11	1,57	2,56	5,63	10,16	4,45			1,97		0,55	0,98	lb 10,51
GE2 G 1 1/4	32	MPa 35	mm	87	40,75	127	83	218	40	80	165	292	136,7	G 1/4	M8	70	F07	14	32	kg 4,933
		Psi 5075	inch	3,43	1,60	5,00	3,27	8,58	1,57	3,15	6,50	11,50	5,38			2,76		0,55	1,26	lb 10,88

Customized valves with selected actuators

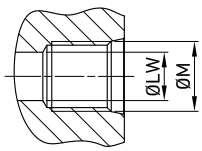
The company reserves the right to operate dimensional changes without prior notice.



GE2 HC ANSI/ASME B1.20.1 NPT

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØM	ØS	ØT	ISO5211	SW	ØLW	WEIGHT
GE2 N 1/4	6	MPa 50	mm	57	24,5	73	44	187	40	49	112	209	90	N 1/4	M6	50	F05	9	10	kg 1,11
		Psi 7250	inch	2,24	0,96	2,87	1,73	7,36	1,57	1,93	4,41	8,23	3,54			1,97		0,35	0,39	lb 2,45
GE2 N 3/8	10	MPa 50	mm	57	24,5	73	44	187	40	49	112	209	90	N 3/8	M6	50	F05	9	10	kg 1,210
		Psi 7250	inch	2,24	0,96	2,87	1,73	7,36	1,57	1,93	4,41	8,23	3,54			1,97		0,35	0,39	lb 2,67
GE2 N 1/2	13	MPa 50	mm	57	23,5	81	48	187	40	49	112	209	90	N 1/2	M6	50	F05	9	13	kg 1,184
		Psi 7250	inch	2,24	0,93	3,19	1,89	7,36	1,57	1,93	4,41	8,23	3,54			1,97		0,35	0,51	lb 2,61
GE2 N 3/4	20	MPa 40	mm	65	27	98	62	206	40	55	143	248	113	N 3/4	M6	50	F05	14	20	kg 2,04
		Psi 5800	inch	2,56	1,06	3,86	2,44	8,11	1,57	2,17	5,63	9,76	4,45			1,97		0,55	0,79	lb 4,50
GE2 N 1	25	MPa 35	mm	75	33,5	106	66	206	40	65	143	258	113	N 1	M6	50	F05	14	25	kg 3,08
		Psi 5075	inch	2,95	1,32	4,17	2,60	8,11	1,57	2,56	5,63	10,16	4,45			1,97		0,55	0,98	lb 6,79
GE2 N 1 1/4 R	25	MPa 35	mm	75	33,5	127	66	206	40	65	143	258	113	N 1/4	M6	50	F05	14	25	kg 3,08
		Psi 5075	inch	2,95	1,32	5,00	2,60	8,11	1,57	2,56	5,63	10,16	4,45			1,97		0,55	0,98	lb 6,79
GE2 N 1 1/4	32	MPa 35	mm	87	40,75	127	83	218	40	80	165	292	136,7	N 1/4	M8	70	F07	14	32	kg 4,933
		Psi 5075	inch	3,43	1,60	5,00	3,27	8,58	1,57	3,15	6,50	11,50	5,38			2,76		0,55	1,26	lb 10,88

Customized valves with selected actuators



GE2 HC SAE J1926-1

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØM	ØS	ØT	ISO5211	SW	ØLW	WEIGHT
GE2 SAE4	6	MPa 50	mm	57	24,5	73	44	187	40	49	112	209	90	7/16 UNF	M6	50	F05	9	10	kg 1,11
		Psi 7250	inch	2,24	0,96	2,87	1,73	7,36	1,57	1,93	4,41	8,23	3,54			1,97		0,35	0,39	lb 2,45
GE2 SAE6	10	MPa 50	mm	57	24,5	73	44	187	40	49	112	209	90	9/16 UNF	M6	50	F05	9	10	kg 1,210
		Psi 7250	inch	2,24	0,96	2,87	1,73	7,36	1,57	1,93	4,41	8,23	3,54			1,97		0,35	0,39	lb 2,67
GE2 SAE8	13	MPa 50	mm	57	23,5	81	48	187	40	49	112	209	90	3/4 UNF	M6	50	F05	9	13	kg 1,187
		Psi 7250	inch	2,24	0,93	3,19	1,89	7,36	1,57	1,93	4,41	8,23	3,54			1,97		0,35	0,51	lb 2,62
GE2 SAE12	20	MPa 40	mm	65	27	98	62	206	40	55	143	248	113	1 1/16 UNF	M6	50	F05	14	20	kg 1,935
		Psi 5800	inch	2,56	1,06	3,86	2,44	8,11	1,57	2,17	5,63	9,76	4,45			1,97		0,55	0,79	lb 4,27
GE2 SAE16	25	MPa 35	mm	75	33,5	106	66	206	40	65	143	258	113	1 5/16 UNF	M6	50	F05	14	25	kg 2,787
		Psi 5075	inch	2,95	1,32	4,17	2,60	8,11	1,57	2,56	5,63	10,16	4,45			1,97		0,55	0,98	lb 6,14
GE2 SAE20R	25	MPa 35	mm	75	33,5	127	66	206	40	65	143	258	113	1 5/8 UNF	M6	50	F05	14	25	kg 4,768
		Psi 5075	inch	2,95	1,32	5,00	2,60	8,11	1,57	2,56	5,63	10,16	4,45			1,97		0,55	0,98	lb 10,51
GE2 SAE20	32	MPa 35	mm	87	40,75	127	83	218	40	80	165	292	136,7	1 5/8 UNF	M8	70	F07	14	32	kg 4,934
		Psi 5075	inch	3,43	1,60	5,00	3,27	8,58	1,57	3,15	6,50	11,50	5,38			2,76		0,55	1,26	lb 10,88

Customized valves with selected actuators

GE3

3-WAY HIGH PRESSURE BALL VALVES

Edition. 21.1

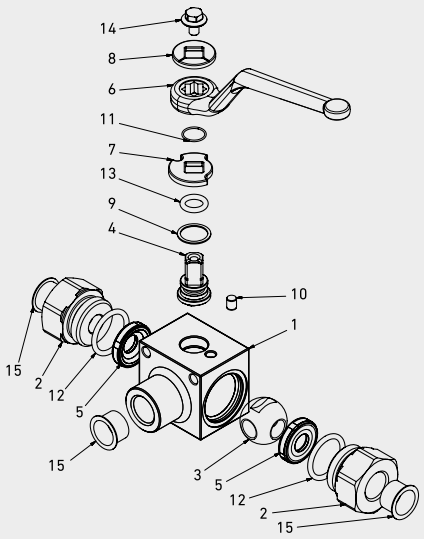
CS Carbon Steel

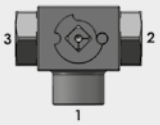
- Type: ball valve 3 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE-DIN
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

SS Stainless Steel

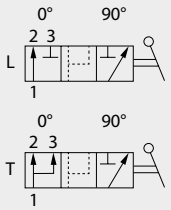
- Type: ball valve 3 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE-DIN
- Pressure: up to PN500
- Temp range: from -30°C to +100°C

STANDARD COMPOSITION OF VALVE





WARNING!
Pressure inlet only from center port 1



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0737	1,4404
2	Adapter	2	1,0737	1,4404
3	Ball	1	1,0737	1,4404
4	Stem	1	1,0737	1,4404
5	Ball seat	2	POM	POM
6	Handle	1	ZINC	ZINC
7	Washer	1	1,0116	1,4301
8	Washer	1	1,0116	1,4301
9	Stem ring	1	POM	POM
10	Pin	1	1,0737	1,4301
11	Seeger	1	1,4301	1,4301
12	Adapter o-ring	2	NBR	NBR
13	Stem o-ring	1	NBR	NBR
14	Screw	1	Din 6921 8.8	Din 6921 A2
15	Caps	3	PVC	PVC





CODE DESCRIPTION STRUCTURE

GE3	G 1/2	DN13	1	1	1	1	A	B

Type and way of valve

GE3 3-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES
G 1/4	N 1/4	SAE4	8S	6L
G 3/8	N 3/8	SAE6	10S	8L
G 1/2	N 1/2	SAE8	12S	10L
G 3/4	N 3/4	SAE12	14S	12L
G 1	N 1	SAE16	16S	15L
G 1 1/4 R	N 1 1/4 R	SAE20R	20S	18L
G 1 1/2 R	N 1 1/2 R	SAE24R	25S	22L
			30S	28L
			38S	35L

Size

from DN6 to DN25

Body Material

● **1** = 1,0737
● **4** = 1,4404

Adapter material

● **1** = 1,0737
● **4** = 1,4404

Stem material

● **1** = 1,0737 **4** = 1,4404*
● **4** = 1,4404

Ball Material

● **1** = 1,0737 **4** = 1,4404*
● **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

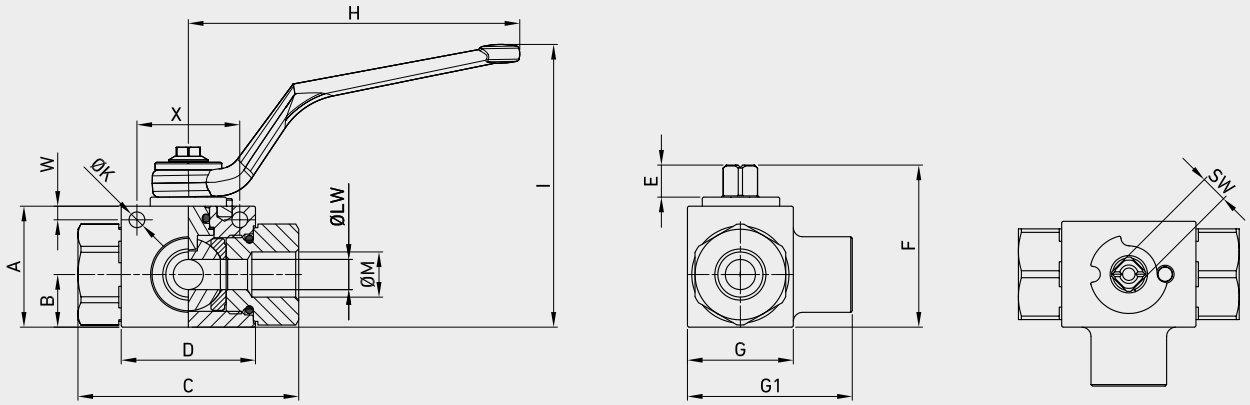
Seal material

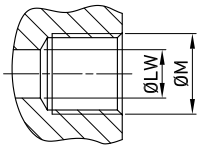
B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

***On request**

- Reduced bore
- Special threads
- Pressure class up to PN40 MPa
- Pneumatic and electrical actuator
- Security block
- Locking device
- Fixing holes for SS valves

For further special requests please consult our technical/commercial service.



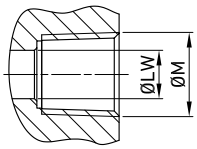


GE3 DIN/ISO 228 BSP

TYPE	DN	PN		A	B	C	D	E	F	G	G1	H	I	ØM	ØK*	W*	X*	SW	ØLW	WEIGHT	CS Carbon Steel ITEM CODE	SS Stainless Steel ITEM CODE
GE3 G 1/4	6	MPa	50	mm	35	14,5	71	42,4	11	49	30	48,5	110	87	G 1/4	5,25	4,5	34	9	6	kg 0,536	GE3GGT14011A000	GE3GGT14044A000
		Psi	7250	inch	1,38	0,57	2,80	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,24	lb 1,18		
GE3 G 3/8	10	MPa	50	mm	40	17,4	73	44,4	11	54,25	35	54,5	110	93	G 3/8	5,25	4,5	34	9	10	kg 0,695	GE3GGT24011A000	GE3GGT24044A000
		Psi	7250	inch	1,57	0,69	2,87	1,75	0,43	2,14	1,38	2,15	4,33	3,66		0,21	0,18	1,34	0,35	0,39	lb 1,53		
GE3 G 1/2	13	MPa	50	mm	43	19,7	83	48,4	11	57	37	58,5	110	97	G 1/2	5,25	5	36	9	13	kg 0,825	GE3GGT33011A000	GE3GGT33044A000
		Psi	7250	inch	1,69	0,78	3,27	1,91	0,43	2,24	1,46	2,30	4,33	3,82		0,21	0,20	1,42	0,35	0,51	lb 1,82		
GE3 G 3/4	20	MPa	42	mm	57	25,4	95	62,5	14	75,5	49	75	180	105	G 3/4	6,25	6	50	14	20	kg 1,583	GE3GGT44011A000	GE3GGT43044A000
		Psi	6090	inch	2,24	1,00	3,74	2,46	0,55	2,97	1,93	2,95	7,09	4,13		0,25	0,24	1,97	0,55	0,79	lb 3,49		
GE3 G 1	25	MPa	42	mm	65	29,5	112	66,5	14	83,5	55	89	180	113	G 1	6,25	6	50	14	25	kg 2,421	GE3GGT53011A000	GE3GGT53044A000
		Psi	6090	inch	2,56	1,16	4,41	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,34		
GE3 G 1 1/4 R	25	MPa	35	mm	65	29,5	120	66,5	14	83,5	55	89	180	113	G 1 1/4	6,25	6	50	14	25	kg 2,601	GE3GGR63011A000	GE3GGR63044A000
		Psi	5075	inch	2,56	1,16	4,72	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,73		
GE3 G 1 1/2 R	25	MPa	35	mm	65	29,5	124	66,5	14	83,5	55	89	180	113	G 1 1/2	6,25	6	50	14	25	kg 2,756	GE3GGR73011A000	GE3GGR73044A000
		Psi	5075	inch	2,56	1,16	4,88	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 6,08		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED

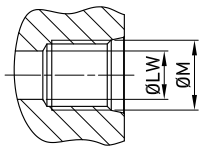


GE3 ANSI/ASME B1.20.1 NPT

TYPE	DN	PN		A	B	C	D	E	F	G	G1	H	I	ØM	ØK*	W*	X*	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
GE3 N 1/4	6	MPa	50	mm	35	14,5	71	42,4	11	49	30	48,5	110	87	N 1/4	5,25	4,5	34	9	6	kg 0,536	GE3NNT14011A000	GE3NNT14044A000
		Psi	7250	inch	1,38	0,57	2,80	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,24	lb 1,18		
GE3 N 3/8	10	MPa	50	mm	40	17,4	73	44,4	11	54,25	35	54,5	110	93	N 3/8	5,25	4,5	34	9	10	kg 0,695	GE3NNT24011A000	GE3NNT24044A000
		Psi	7250	inch	1,57	0,69	2,87	1,75	0,43	2,14	1,38	2,15	4,33	3,66		0,21	0,18	1,34	0,35	0,39	lb 1,53		
GE3 N 1/2	13	MPa	50	mm	43	19,7	83	48,4	11	57	37	58,5	110	97	N 1/2	5,25	5	36	9	13	kg 0,825	GE3NNT33011A000	GE3NNT33044A000
		Psi	7250	inch	1,69	0,78	3,27	1,91	0,43	2,24	1,46	2,30	4,33	3,82		0,21	0,20	1,42	0,35	0,51	lb 1,82		
GE3 N 3/4	20	MPa	42	mm	57	25,4	95	62,5	14	75,5	49	75	180	105	N 3/4	6,25	6	50	14	20	kg 1,583	GE3NNT44011A000	GE3NNT43044A000
		Psi	6090	inch	2,24	1,00	3,74	2,46	0,55	2,97	1,93	2,95	7,09	4,13		0,25	0,24	1,97	0,55	0,79	lb 3,49		
GE3 N 1	25	MPa	42	mm	65	29,5	112	66,5	14	83,5	55	89	180	113	N 1	6,25	6	50	14	25	kg 2,421	GE3NNT53011A000	GE3NNT53044A000
		Psi	6090	inch	2,56	1,16	4,41	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,34		
GE3 N 1 1/4 R	25	MPa	35	mm	65	29,5	120	66,5	14	83,5	55	89	180	113	N 1 1/4	6,25	6	50	14	25	kg 2,601	GE3NNR63011A000	GE3NNR63044A000
		Psi	5075	inch	2,56	1,16	4,72	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,73		
GE3 N 1 1/2 R	25	MPa	35	mm	65	29,5	124	66,5	14	83,5	55	89	180	113	N 1 1/2	6,25	6	50	14	25	kg 2,756	GE3NNR73011A000	GE3NNR73044A000
		Psi	5075	inch	2,56	1,16	4,88	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 6,08		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED

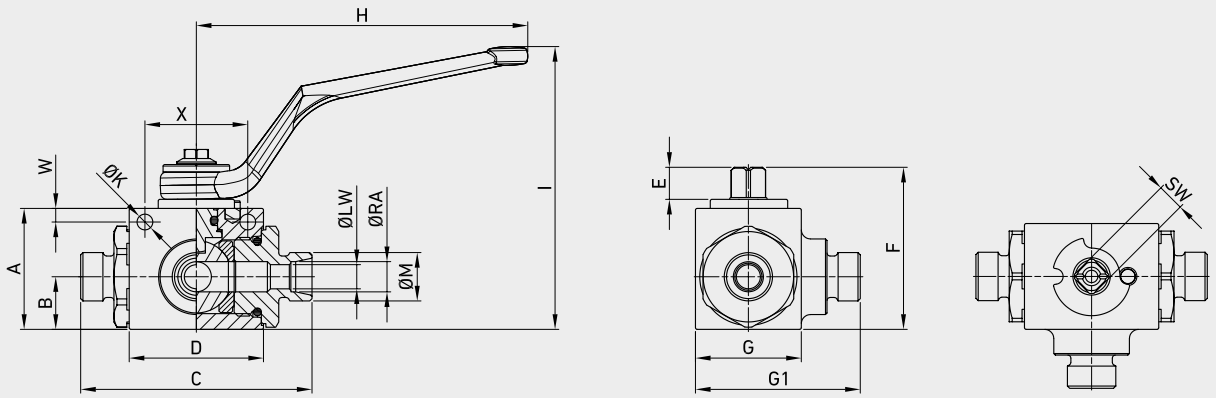


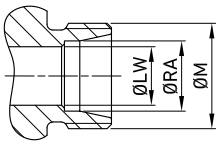
GE3 SAE J1926-1

TYPE	DN	PN		A	B	C	D	E	F	G	G1	H	I	ØM	ØK*	W*	X*	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
GE3 SAE4	6	MPa	50	mm	35	14,5	71	42,4	11	49	30	48,5	110	87	7/16 UNF	5,25	4,5	34	9	6	kg 0,512	GE3EEE04011A000	GE3EEE04044A000
		Psi	7250	inch	1,38	0,57	2,80	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,24	lb 1,13		
GE3 SAE6	10	MPa	50	mm	40	17,5	73	44,8	11	54,25	35	54,5	110	93	9/16 UNF	5,25	4,5	34	9	10	kg 0,695	GE3EEE14011A000	GE3EEE14044A000
		Psi	7250	inch	1,57	0,69	2,87	1,76	0,43	2,14	1,38	2,15	4,33	3,66		0,21	0,18	1,34	0,35	0,39	lb 1,53		
GE3 SAE8	13	MPa	50	mm	43	19,7	83	48,4	11	57	37	58,5	110	97	3/4 UNF	5,25	5	36	9	13	kg 0,825	GE3EEE23011A000	GE3EEE23044A000
		Psi	7250	inch	1,69	0,78	3,27	1,91	0,43	2,24	1,46	2,30	4,33	3,82		0,21	0,20	1,42	0,35	0,51	lb 1,82		
GE3 SAE12	20	MPa	42	mm	57	25,4	95	62,5	14	75,5	49	75	180	105	1 1/16 UNF	6,25	6	50	14	20	kg 1,583	GE3EEE34011A000	GE3EEE34044A000
		Psi	6090	inch	2,24	1,00	3,74	2,46	0,55	2,97	1,93	2,95	7,09	4,13		0,25	0,24	1,97	0,55	0,79	lb 3,49		
GE3 SAE16	25	MPa	42	mm	65	29,4	112	66,5	14	83,5	55	89	180	113	1 5/16 UNF	6,25	6	50	14	25	kg 2,421	GE3EEE43011A000	GE3EEE43044A000
		Psi	6090	inch	2,56	1,16	4,41	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,34		
GE3 SAE20R	25	MPa	35	mm	65	29,4	120	66,5	14	83,5	55	89	180	113	1 5/8 UNF	6,25	6	50	14	25	kg 2,601	GE3EEE53011A000	GE3EEE53044A000
		Psi	5075	inch	2,56	1,16	4,72	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,73		
GE3 SAE24R	25	MPa	35	mm	65	29,4	124	66,5	14	83,5	55	89	180	113	1 7/8 UNF	6,25	6	50	14	25	kg 2,756	GE3EEE63011A000	GE3EEE63044A000
		Psi	5075	inch	2,56	1,16	4,88	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 6,08		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED



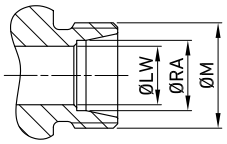


GE3 DIN 2353 HEAVY SERIES

TYPE	DN	PN			A	B	C	D	E	F	G	G1	H	I	ØM	ØK*	W*	X*	SW	ØLW	ØRA	WEIGHT		CS Carbon Steel ITEM CODE	SS Stainless Steel ITEM CODE
GE3 8S	6	MPa	50	mm	35	14,5	76	42,4	11	49	30	48,5	110	87	M16x1,5	5,25	4,5	34	9	4	8	kg	0,53	GE3DDS04011A000	GE3DDS04044A000
		Psi	7250	inch	1,38	0,57	2,99	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,16	0,31	lb	1,17		
GE3 10S	6	MPa	50	mm	35	14,5	76	42,4	11	49	30	48,5	110	87	M18x1,5	5,25	4,5	34	9	6	10	kg	0,532	GE3DDS14011A000	GE3DDS14044A000
		Psi	7250	inch	1,38	0,57	2,99	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,24	0,39	lb	1,17		
GE3 12S	8	MPa	50	mm	35	14,5	76	42,4	11	49	30	48,5	110	87	M20x1,5	5,25	4,5	34	9	8	12	kg	0,535	GE3DDRS4011A000	GE3DDRS4044A000
		Psi	7250	inch	1,38	0,57	2,99	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,31	0,47	lb	1,18		
GE3 12S	10	MPa	50	mm	40	17,4	76	44,4	11	54,25	35	54,5	110	93	M20x1,5	5,25	4,5	34	9	10	12	kg	0,633	GE3DDS24011A000	GE3DDS24044A000
		Psi	7250	inch	1,57	0,69	2,99	1,75	0,43	2,14	1,38	2,15	4,33	3,66		0,21	0,18	1,34	0,35	0,39	0,47	lb	1,40		
GE3 14S	10	MPa	50	mm	40	17,4	82,5	44,4	11	54,25	35	54,5	110	93	M22x1,5	5,25	4,5	34	9	10	14	kg	0,665	GE3DDS34011A000	GE3DDS34044A000
		Psi	7250	inch	1,57	0,69	3,25	1,75	0,43	2,14	1,38	2,15	4,33	3,66		0,21	0,18	1,34	0,35	0,39	0,55	lb	1,47		
GE3 16S	13	MPa	50	mm	43	19,7	89	48,4	11	57	37	59	110	97	M24x1,5	5,25	5	36	9	13	16	kg	0,722	GE3DDS43011A000	GE3DDS43044A000
		Psi	7250	inch	1,69	0,78	3,50	1,91	0,43	2,24	1,46	2,32	4,33	3,82		0,21	0,20	1,42	0,35	0,51	0,63	lb	1,59		
GE3 20S	13	MPa	50	mm	43	19,7	93	48,4	11	57	37	59	110	97	M30x2	5,25	5	36	9	13	20	kg	0,861	GE3DDS53011A000	GE3DDS53044A000
		Psi	7250	inch	1,69	0,78	3,66	1,91	0,43	2,24	1,46	2,32	4,33	3,82		0,21	0,20	1,42	0,35	0,51	0,79	lb	1,90		
GE3 25S	20	MPa	35	40	mm	57	25,4	111	62,5	14	75,5	49	75	180	105	M36x2	6,25	6	50	14	20	25	kg	1,639	GE3DDS64011A000	GE3DDS63044A000
		Psi	5075	5800	inch	2,24	1,00	4,37	2,46	0,55	2,97	1,93	2,95	7,09	4,13		0,25	0,24	1,97	0,55	0,79	0,98	lb	3,61		
GE3 30S	25	MPa	35		mm	65	29,5	121	66,5	14	83,5	55	89	180	113	M42x2	6,25	6	50	14	25	30	kg	2,361	GE3DDS73011A000	GE3DDS73044A000
		Psi	5075		inch	2,56	1,16	4,76	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	1,18	lb	5,21		
GE3 38S	25	MPa	35		mm	65	29,5	131	66,5	14	83,5	55	89	180	113	M52x2	6,25	6	50	14	25	38	kg	2,655	GE3DDS83011A000	GE3DDS83044A000
		Psi	5075		inch	2,56	1,16	5,16	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	1,50	lb	5,85		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED

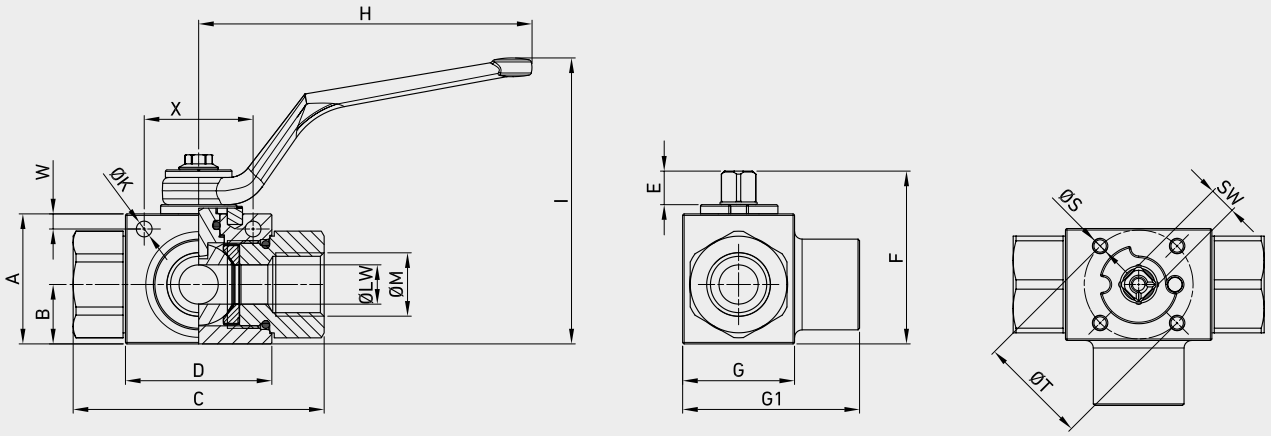


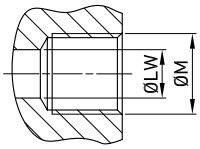
GE3 DIN 2353 LIGHT SERIES

TYPE	DN	PN			A	B	C	D	E	F	G	G1	H	I	ØM	ØK*	W*	X*	SW	ØLW	ØRA	WEIGHT		CS Carbon Steel	SS Stainless Steel
GE3 6L	6	MPa	50	mm	35	14,5	76	42,4	11	49	30	48,5	110	87	M12x1,5	5,25	4,5	34	9	6	6	kg	0,53	ITEM CODE	GE3DDL04011A000	GE3DDL04044A000
		Psi	7250	inch	1,38	0,57	2,99	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,24	0,24	lb	1,17			
GE3 8L	6	MPa	50	mm	35	14,5	76	42,4	11	49	30	48,5	110	87	M14x1,5	5,25	4,5	34	9	6	8	kg	0,532		GE3DDL14011A000	GE3DDL14044A000
		Psi	7250	inch	1,38	0,57	2,99	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,24	0,31	lb	1,17			
GE3 10L	6	MPa	50	mm	35	14,5	76	42,4	11	49	30	48,5	110	87	M16x1,5	5,25	4,5	34	9	6	10	kg	0,535		GE3DDRL4011A000	GE3DDRL4044A000
		Psi	7250	inch	1,38	0,57	2,99	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,24	0,39	lb	1,18			
GE3 10L	10	MPa	50	mm	40	17,4	76,5	44,4	11	54,25	35	54,5	110	93	M16x1,5	5,25	4,5	34	9	10	10	kg	0,633		GE3DDL24011A000	GE3DDL24044A000
		Psi	7250	inch	1,57	0,69	3,01	1,75	0,43	2,14	1,38	2,15	4,33	3,66		0,21	0,18	1,34	0,35	0,39	0,39	lb	1,40			
GE3 12L	10	MPa	50	mm	40	17,4	79,5	44,4	11	54,25	35	54,5	110	93	M18x1,5	5,25	4,5	34	9	10	12	kg	0,665		GE3DDL34011A000	GE3DDL34044A000
		Psi	7250	inch	1,57	0,69	3,13	1,75	0,43	2,14	1,38	2,15	4,33	3,66		0,21	0,18	1,34	0,35	0,39	0,47	lb	1,47			
GE3 15L	13	MPa	50	mm	43	19,7	87	48,4	11	57	37	59	110	97	M22x1,5	5,25	5	36	9	13	15	kg	0,722		GE3DDL43011A000	GE3DDL43044A000
		Psi	7250	inch	1,69	0,78	3,43	1,91	0,43	2,24	1,46	2,32	4,33	3,82		0,21	0,20	1,42	0,35	0,51	0,59	lb	1,59			
GE3 18L	13	MPa	50	mm	43	19,7	87	48,4	11	57	37	59	110	97	M26x1,5	5,25	5	36	9	13	18	kg	0,861		GE3DDL53011A000	GE3DDL53044A000
		Psi	7250	inch	1,69	0,78	3,43	1,91	0,43	2,24	1,46	2,32	4,33	3,82		0,21	0,20	1,42	0,35	0,51	0,71	lb	1,90			
GE3 22L	20	MPa	35	40	mm	57	25,4	110	62,5	14	75,5	49	75	180	105	M30x2	6,25	6	50	14	20	22	kg	1,639		GE3DDL64011A000	GE3DDL63044A000
		Psi	5075	5800	inch	2,24	1,00	4,33	2,46	0,55	2,97	1,93	2,95	7,09	4,13		0,25	0,24	1,97	0,55	0,79	0,87	lb	3,61			
GE3 28L	25	MPa	35		mm	65	29,5	117	66,5	14	83,5	55	89	180	113	M36x2	6,25	6	50	14	25	28	kg	2,361		GE3DDL73011A000	GE3DDL73044A000
		Psi	5075		inch	2,56	1,16	4,61	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	1,10	lb	5,21			
GE3 35L	25	MPa	35		mm	65	29,5	119	66,5	14	83,5	55	89	180	113	M45x2	6,25	6	50	14	25	35	kg	2,361		GE3DDL83011A000	GE3DDL83044A000
		Psi	5075		inch	2,56	1,16	4,69	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	1,38	lb	5,21			

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED





GE3 DIN/ISO 228 BSP

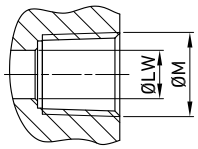
Assembling threads per ISO5211

CS Carbon Steel — SS Stainless Steel

TYPE	DN	PN		A	B	C	D	E	F	G	G1	H	I	ØM	ØS	ØT	ØK*	W*	X*	ISO5211	SW	ØLW	WEIGHT	ITEM CODE	
GE3 G 1/4	6	MPa	50	mm	35	14,5	71	42,4	11	49	30	48,5	110	87	G 1/4	M4	35	5,25	4,5	34	F03	9	6	kg 0,536	GE3GGT14011AF50	GE3GGT14044AF50
		Psi	7250	inch	1,38	0,57	2,80	1,67	0,43	1,93	1,18	1,91	4,33	3,43			1,38	0,21	0,18	1,34		0,35	0,24	lb 1,18		
GE3 G 3/8	10	MPa	50	mm	40	17,4	73	44,4	11	54,25	35	54,5	110	93	G 3/8	M5	36	5,25	4,5	34	F03	9	10	kg 0,695	GE3GGT24011AF50	GE3GGT24044AF50
		Psi	7250	inch	1,57	0,69	2,87	1,75	0,43	2,14	1,38	2,15	4,33	3,66			1,42	0,21	0,18	1,34		0,35	0,39	lb 1,53		
GE3 G 1/2	13	MPa	50	mm	43	19,7	83	48,4	11	57	37	58,5	110	97	G 1/2	M5	36	5,25	5	36	F03	9	13	kg 0,825	GE3GGT33011AF50	GE3GGT33044AF50
		Psi	7250	inch	1,69	0,78	3,27	1,91	0,43	2,24	1,46	2,30	4,33	3,82			1,42	0,21	0,20	1,42		0,35	0,51	lb 1,82		
GE3 G 3/4	20	MPa	42	mm	57	25,4	95	62,5	14	75,5	49	75	180	105	G 3/4	M6	50	6,25	6	50	F05	14	20	kg 1,583	GE3GGT44011AF50	GE3GGT43044AF50
		Psi	6090	inch	2,24	1,00	3,74	2,46	0,55	2,97	1,93	2,95	7,09	4,13			1,97	0,25	0,24	1,97		0,55	0,79	lb 3,49		
GE3 G 1	25	MPa	42	mm	65	29,5	112	66,5	14	83,5	55	89	180	113	G 1	M6	50	6,25	6	50	F05	14	25	kg 2,421	GE3GGT53011AF50	GE3GGT53044AF50
		Psi	6090	inch	2,56	1,16	4,41	2,62	0,55	3,29	2,17	3,50	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 5,34		
GE3 G 1 1/4 R	25	MPa	35	mm	65	29,5	120	66,5	14	83,5	55	89	180	113	G 1 1/4	M6	50	6,25	6	50	F05	14	25	kg 2,601	GE3GGR63011AF50	GE3GGR63044AF50
		Psi	5075	inch	2,56	1,16	4,72	2,62	0,55	3,29	2,17	3,50	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 5,73		
GE3 G 1 1/2 R	25	MPa	35	mm	65	29,5	124	66,5	14	83,5	55	89	180	113	G 1 1/2	M6	50	6,25	6	50	F05	14	25	kg 2,756	GE3GGR73011AF50	GE3GGR73044AF50
		Psi	5075	inch	2,56	1,16	4,88	2,62	0,55	3,29	2,17	3,50	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 6,08		

FIXING HOLES INCLUDED

Size only for carbon steel valves with fixing holes included.



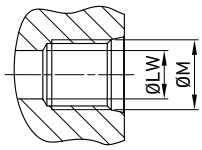
GE3 ANSI/ASME B1.20.1 NPT

Assembling threads per IS05211

TYPE	DN	PN		A	B	C	D	E	F	G	G1	H	I	ØM	ØS	ØT	ØK*	W*	X*	ISO5211	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
GE3 N 1/4	6	MPa	50	mm 35	14,5	71	42,4	11	49	30	48,5	110	87	N	M4	35	5,25	4,5	34	F03	9	6	kg 0,536	GE3NNT14011AF50	GE3NNT14044AF50
		Psi	7250	inch 1,38	0,57	2,80	1,67	0,43	1,93	1,18	1,91	4,33	3,43	1/4		1,38	0,21	0,18	1,34		0,35	0,24	lb 1,18		
GE3 N 3/8	10	MPa	50	mm 40	17,4	73	44,4	11	54,3	35	54,5	110	93	N	M5	36	5,25	4,5	34	F03	9	10	kg 0,695	GE3NNT24011AF50	GE3NNT24044AF50
		Psi	7250	inch 1,57	0,69	2,87	1,75	0,43	2,14	1,38	2,15	4,33	3,66	3/8		1,42	0,21	0,18	1,34		0,35	0,39	lb 1,53		
GE3 N 1/2	13	MPa	50	mm 43	19,7	83	48,4	11	57	37	58,5	110	97	N	M5	36	5,25	5	36	F03	9	13	kg 0,825	GE3NNT33011AF50	GE3NNT33044AF50
		Psi	7250	inch 1,69	0,78	3,27	1,91	0,43	2,24	1,46	2,30	4,33	3,82	1/2		1,42	0,21	0,20	1,42		0,35	0,51	lb 1,82		
GE3 N 3/4	20	MPa	42	mm 57	25,4	95	62,5	14	75,5	49	75	180	105	N	M6	50	6,25	6	50	F05	14	20	kg 1,583	GE3NNT 44011AF50	GE3NNT43044AF50
		Psi	6090	inch 2,24	1,00	3,74	2,46	0,55	2,97	1,93	2,95	7,09	4,13	3/4		1,97	0,25	0,24	1,97		0,55	0,79	lb 3,49		
GE3 N 1	25	MPa	42	mm 65	29,5	112	66,5	14	83,5	55	89	180	113	N 1	M6	50	6,25	6	50	F05	14	25	kg 2,421	GE3NNT53011AF50	GE3NNT53044AF50
		Psi	6090	inch 2,56	1,16	4,41	2,62	0,55	3,29	2,17	3,50	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 5,34		
GE3 N 1 1/4 R	25	MPa	35	mm 65	29,5	120	66,5	14	83,5	55	89	180	113	N 1 1/4	M6	50	6,25	6	50	F05	14	25	kg 2,601	GE3NNR63011AF50	GE3NNR63044AF50
		Psi	5075	inch 2,56	1,16	4,72	2,62	0,55	3,29	2,17	3,50	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 5,73		
GE3 N 1 1/2 R	25	MPa	35	mm 65	29,5	124	66,5	14	83,5	55	89	180	113	N 1 1/2	M6	50	6,25	6	50	F05	14	25	kg 2,756	GE3NNR73011AF50	GE3NNR73044AF50
		Psi	5075	inch 2,56	1,16	4,88	2,62	0,55	3,29	2,17	3,50	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 6,08		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED



GE3 SAE J1926-1

Assembling threads per IS05211

TYPE	DN	PN		A	B	C	D	E	F	G	G1	H	I	ØM	ØS	ØT	ØK*	W*	X*	ISO5211	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
GE3 SAE4	6	MPa	50	mm 35	14,5	71	42,4	11	49	30	48,5	110	87	7/16 UNF	M4	35	5,25	4,5	34	F03	9	6	kg 0,512	GE3EEE04011AF50	GE3EEE04044AF50
		Psi	7250	inch 1,38	0,57	2,80	1,67	0,43	1,93	1,18	1,91	4,33	3,43			1,38	0,21	0,18	1,34		0,35	0,24	lb 1,13		
GE3 SAE6	10	MPa	50	mm 40	17,5	73	44,8	11	54,3	35	54,5	110	93	9/16 UNF	M4	35	5,25	4,5	34	F03	9	10	kg 0,695	GE3EEE14011AF50	GE3EEE14044AF50
		Psi	7250	inch 1,57	0,69	2,87	1,76	0,43	2,14	1,38	2,15	4,33	3,66			1,38	0,21	0,18	1,34		0,35	0,39	lb 1,53		
GE3 SAE8	13	MPa	50	mm 43	19,7	83	48,4	11	57	37	58,5	110	97	3/4 UNF	M5	36	5,25	5	36	F03	9	13	kg 0,825	GE3EEE23011AF50	GE3EEE23044AF50
		Psi	7250	inch 1,69	0,78	3,27	1,91	0,43	2,24	1,46	2,30	4,33	3,82			1,42	0,21	0,20	1,42		0,35	0,51	lb 1,82		
GE3 SAE12	20	MPa	42	mm 57	25,4	95	62,5	14	75,5	49	75	180	105	1 1/16 UNF	M5	36	6,25	6	50	F03	14	20	kg 1,583	GE3EEE34011AF50	GE3EEE34044AF50
		Psi	6090	inch 2,24	1,00	3,74	2,46	0,55	2,97	1,93	2,95	7,09	4,13			1,42	0,25	0,24	1,97		0,55	0,79	lb 3,49		
GE3 SAE16	25	MPa	42	mm 65	29,4	112	66,5	14	83,5	55	89	180	113	1 5/16 UNF	M6	50	6,25	6	50	F05	14	25	kg 2,421	GE3EEE43011AF50	GE3EEE43044AF50
		Psi	6090	inch 2,56	1,16	4,41	2,62	0,55	3,29	2,17	3,50	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 5,34		
GE3 SAE20R	25	MPa	35	mm 65	29,4	120	66,5	14	83,5	55	89	180	113	1 5/8 UNF	M6	50	6,25	6	50	F05	14	25	kg 2,601	GE3EEE53011AF50	GE3EEE53044AF50
		Psi	5075	inch 2,56	1,16	4,72	2,62	0,55	3,29	2,17	3,50	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 5,73		
GE3 SAE24R	25	MPa	35	mm 65	29,4	124	66,5	14	83,5	55	89	180	113	1 7/8 UNF	M6	50	6,25	6	50	F05	14	25	kg 2,756	GE3EEE63011AF50	GE3EEE63044AF50
		Psi	5075	inch 2,56	1,16	4,88	2,62	0,55	3,29	2,17	3,50	7,09	4,45			1,97	0,25	0,24	1,97		0,55	0,98	lb 6,08		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED

GE5

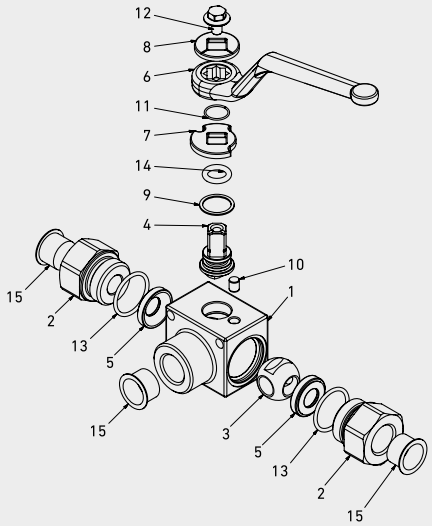
3-WAY HIGH PRESSURE BALL VALVES

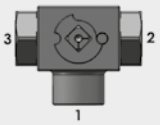
Edition. 21.0

CS Carbon Steel

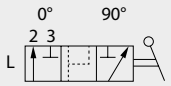
- Type: ball valve 3 way
- Sizes: from DN6 up to DN13
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

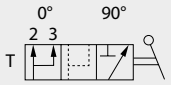
STANDARD COMPOSITION OF VALVE





WARNING!
Pressure inlet only from center port 1





POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Adapter	2	1,0737
3	Ball	1	1,0737
4	Stem	1	1,0737
5	Ball seat	2	POM
6	Handle	1	ZINC
7	Washer	1	1,0116
8	Washer	1	1,0116
9	Stem ring	1	POM
10	Pin	1	1,0737
11	Seeger	1	1,4301
12	Adapter o-ring	2	NBR
13	Stem o-ring	1	NBR
14	Screw	1	Din 6921 8.8
15	Caps	3	PVC





SMALLER DESIGN

CODE DESCRIPTION STRUCTURE

GE5	G3/8	DN10	1	1	1	1	A	B

Type and way of valve

GE5 3-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1
G 1/4	N 1/4	SAE4
G 3/8	N 3/8	SAE6
G 1/2	N 1/2	SAE8

Size

from DN6 to DN13

Body Material

● **1** = 1,0737

Adapter material

● **1** = 1,0737

Stem material

● **1** = 1,0737 **4** = 1,4404*

Ball Material

● **1** = 1,0737 **4** = 1,4404*

Seat material

A = POM

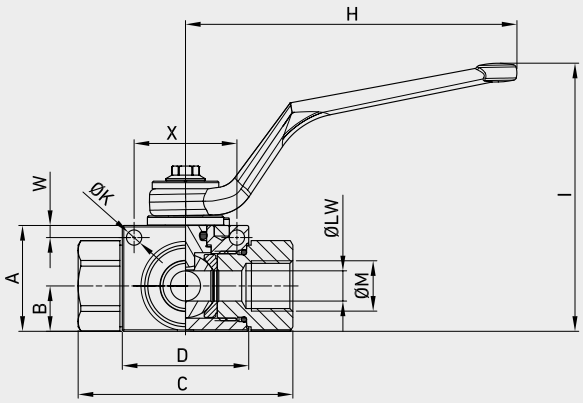
Seal material

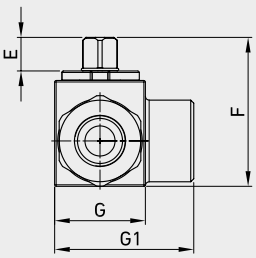
B = NBR

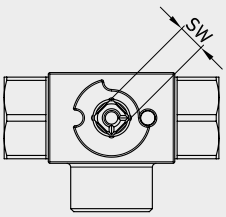
*On request

- Reduced bore
- Special threads
- Pressure class up to PN50 Mpa
- Pneumatic and electrical actuator
- Security block
- Locking device

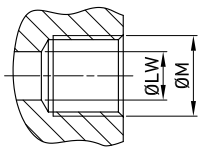
For further special requests please consult our technical/commercial service.







SMALLER DESIGN

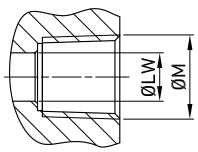


GE5 DIN/ISO 228 BSP

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	E	F	G	G1	H	I	ØM	ØK	W	X	SW	ØLW	WEIGHT	ITEM CODE
GE5 G 1/4	6	MPa	50	mm	33	14,3	69	40,4	11,1	47,15	26	42	110	87	G 1/4	5,10	4	34	9	6	kg 0,411	GE5GGT15011A000
		Psi	7250	inch	1,30	0,56	2,72	1,59	0,44	1,86	1,02	1,65	4,33	3,43		0,20	0,16	1,34	0,35	0,24	lb 0,91	
GE5 G 3/8	10	MPa	50	mm	35	15	71	41,8	11,1	49,15	30	46	110	89	G 3/8	5,1	4	34	9	10	kg 0,512	GE5GGT25011A000
		Psi	7250	inch	1,38	0,59	2,80	1,65	0,44	1,94	1,18	1,81	4,33	3,50		0,20	0,16	1,34	0,35	0,39	lb 1,13	
GE5 G 1/2	13	MPa	50	mm	40	18,3	83	44,4	11,1	54,15	35	54	110	94	G 1/2	5,1	4	36	9	13	kg 0,72	GE5GGT35011A000
		Psi	7250	inch	1,57	0,72	3,27	1,75	0,44	2,13	1,38	2,13	4,33	3,70		0,20	0,16	1,42	0,35	0,51	lb 1,59	

FIXING HOLES INCLUDED

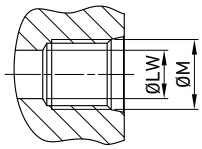


GE5 ANSI/ASME B1.20.1 NPT

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	E	F	G	G1	H	I	ØM	ØK	W	X	SW	ØLW	WEIGHT	ITEM CODE
GE5 N 1/4	6	MPa	50	mm	33	14,3	69	40,4	11,1	47,15	26	42	110	87	N 1/4	5,10	4	34	9	6	kg 0,411	GE5NNT15011A000
		Psi	7250	inch	1,30	0,56	2,72	1,59	0,44	1,86	1,02	1,65	4,33	3,43		0,20	0,16	1,34	0,35	0,24	lb 0,91	
GE5 N 3/8	10	MPa	50	mm	35	15	71	41,8	11,1	49,15	30	46	110	89	N 3/8	5,1	4	34	9	10	kg 0,512	GE5NNT25011A000
		Psi	7250	inch	1,38	0,59	2,80	1,65	0,44	1,94	1,18	1,81	4,33	3,50		0,20	0,16	1,34	0,35	0,39	lb 1,13	
GE5 N 1/2	13	MPa	50	mm	40	18,3	83	44,4	11,1	54,15	35	54	110	94	N 1/2	5,1	4	36	9	13	kg 0,72	GE5NNT35011A000
		Psi	7250	inch	1,57	0,72	3,27	1,75	0,44	2,13	1,38	2,13	4,33	3,70		0,20	0,16	1,42	0,35	0,51	lb 1,59	

FIXING HOLES INCLUDED



GE5 SAE J1926-1

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	E	F	G	G1	H	I	ØM	ØK	W	X	SW	ØLW	WEIGHT	ITEM CODE
GE5 SAE4	6	MPa	50	mm	33	14,3	69	40,4	11,1	47,15	26	42	110	87	7/16	5,10	4	34	9	6	kg 0,411	GE5EEE05011A000
		Psi	7250	inch	1,30	0,56	2,72	1,59	0,44	1,86	1,02	1,65	4,33	3,43	UNF	0,20	0,16	1,34	0,35	0,24	lb 0,91	
GE5 SAE6	10	MPa	50	mm	35	15	71	41,8	10,8	49,15	30	46	110	89	9/16	5,1	4	34	9	10	kg 0,512	GE5EEE15011A000
		Psi	7250	inch	1,38	0,59	2,80	1,65	0,43	1,94	1,18	1,81	4,33	3,50	UNF	0,20	0,16	1,34	0,35	0,39	lb 1,13	
GE5 SAE8	13	MPa	50	mm	40	18,3	83	44,4	11,1	54,15	35	54	110	94	3/4	5,1	4	36	9	13	kg 0,72	GE5EEE25011A000
		Psi	7250	inch	1,57	0,72	3,27	1,75	0,44	2,13	1,38	2,13	4,33	3,70	UNF	0,20	0,16	1,42	0,35	0,51	lb 1,59	

FIXING HOLES INCLUDED

GE3K

3-WAY HIGH PRESSURE BALL VALVES

Edition. 21.0

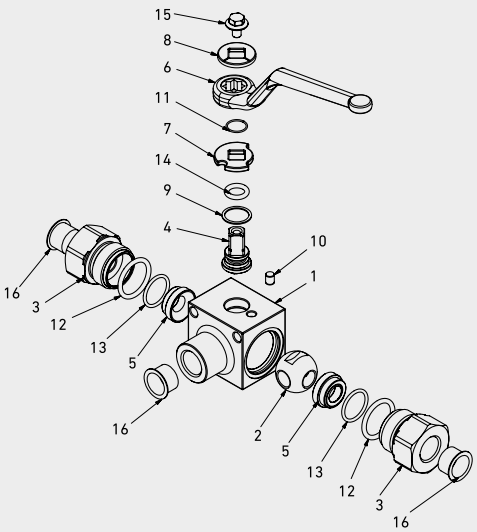
CS Carbon Steel

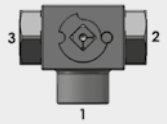
- Type: ball valve 3 way special seats, zero leakage
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

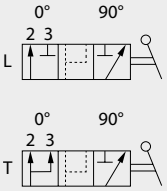
SS Stainless Steel

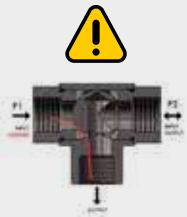
- Type: ball valve 3 way special seats, zero leakage
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -30°C to +100°C

STANDARD COMPOSITION OF VALVE









GE3K ball valve the seal on the left (a) is pushed towards the ball by the pressure (p1) the floating ball is pushed against the seal on the right (b) creating a wateright seal without any leakages.



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0737	1,4404
2	Adapter	2	1,0737	1,4404
3	Ball	1	1,0737	1,4404
4	Stem	1	1,0737	1,4404
5	Ball seat	2	POM	POM
6	Handle	1	ZINC	ZINC
7	Washer	1	1,0116	1,0116
8	Washer	1	1,0116	1,4301
9	Stem ring	1	POM	POM
10	Pin	1	1,0737	1,4301
11	Seeger	1	1,4301	1,4301
12	Adapter o-ring	2	NBR	NBR
13	Seal o-ring	2	NBR	NBR
14	Stem o-ring	1	NBR	NBR
15	Screw	1	Din 6921 8.8	Din 6921 A2
16	Caps	3	PVC	PVC





CODE DESCRIPTION STRUCTURE

GE3K	G1/2	DN13	1	1	1	1	A	B

Type and way of valve

GE3K 3-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1
G 1/4	N 1/4	SAE4
G 3/8	N 3/8	SAE6
G 1/2	N 1/2	SAE8
G 3/4	N 3/4	SAE12
G 1	N 1	SAE16
G 1 1/4 R	N 1 1/4 R	SAE20R
G 1 1/2 R	N 1 1/2 R	SAE24R

Size

from DN6 to DN25

Body Material

- **1** = 1,0737
- **4** = 1,4404

Adapter material

- **1** = 1,0737
- **4** = 1,4404

Stem material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Ball Material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Seat material

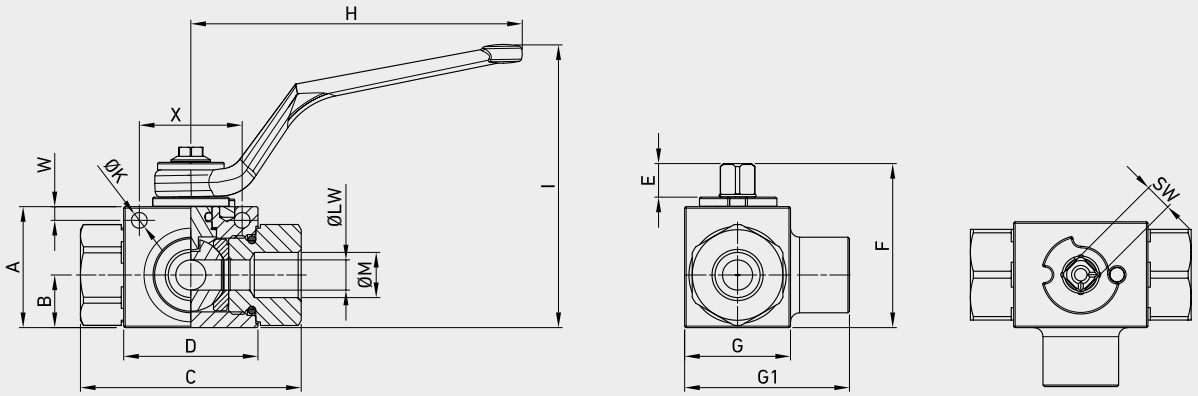
A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

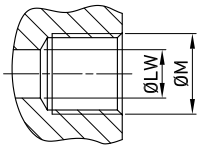
Seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request
- Reduced bore
- Special threads
- Pressure class up to PN40 Mpa
- Pneumatic and electrical actuator
- Security block
- Locking device

For further special requests please consult our technical/commercial service.



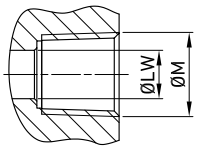


GE3K DIN/ISO 228 BSP

TYPE	DN	PN			A	B	C	D	E	F	G	G1	H	I	ØM	ØK*	W*	X*	SW	ØLW	WEIGHT	CS Carbon Steel ITEM CODE	SS Stainless Steel ITEM CODE
GE3K G 1/4	6	MPa	50	mm	35	14,5	71	42,4	11	49	30	48,5	110	87	G 1/4	5,25	4,5	34	9	6	kg 0,536	GK3GGT14011A000	GK3GGT14044A000
		Psi	7250	inch	1,38	0,57	2,80	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,24	lb 1,18		
GE3K G 3/8	10	MPa	50	mm	40	17,4	73	44,4	11	54,25	35	54,5	110	93	G 3/8	5,25	4,5	34	9	10	kg 0,695	GK3GGT24011A000	GK3GGT24044A000
		Psi	7250	inch	1,57	0,69	2,87	1,75	0,43	2,14	1,38	2,15	4,33	3,66		0,21	0,18	1,34	0,35	0,39	lb 1,53		
GE3K G 1/2	13	MPa	50	mm	43	19,7	83	48,4	11	57	37	58,5	110	97	G 1/2	5,25	5	36	9	13	kg 0,825	GK3GGT33011A000	GK3GGT33044A000
		Psi	7250	inch	1,69	0,78	3,27	1,91	0,43	2,24	1,46	2,30	4,33	3,82		0,21	0,20	1,42	0,35	0,51	lb 1,82		
GE3K G 3/4	20	MPa	40	35	mm	57	25,4	95	62,5	14	75,5	49	75	180	105	G 3/4	6,25	6	50	14	20	kg 1,583	GK3GGT44011A000	GK3GGT43044A000
		Psi	5800	5075	inch	2,24	1,00	3,74	2,46	0,55	2,97	1,93	2,95	7,09	4,13		0,25	0,24	1,97	0,55	0,79	lb 3,49		
GE3K G 1	25	MPa	35		mm	65	29,5	105	66,5	14	83,5	55	89	180	113	G 1	6,25	6	50	14	25	kg 2,421	GK3GGT53011A000	GK3GGT53044A000
		Psi	5075		inch	2,56	1,16	4,13	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,34		
GE3K G 1 1/4 R	25	MPa	35		mm	65	29,5	120	66,5	14	83,5	55	89	180	113	G 1 1/4	6,25	6	50	14	25	kg 2,601	GK3GGR63011A000	GK3GGR63044A000
		Psi	5075		inch	2,56	1,16	4,72	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,73		
GE3K G 1 1/2 R	25	MPa	35		mm	65	29,5	124	66,5	14	83,5	55	89	180	113	G 1 1/2	6,25	6	50	14	25	kg 2,756	GK3GGR73011A000	GK3GGR73044A000
		Psi	5075		inch	2,56	1,16	4,88	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 6,08		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED

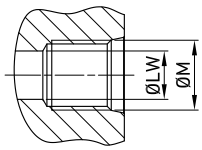


GE3K ANSI/ASME B1.20.1 NPT

TYPE	DN	PN			A	B	C	D	E	F	G	G1	H	I	ØM	ØK*	W*	X*	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
																						ITEM CODE	
GE3K N 1/4	6	MPa	50	mm	35	14,5	71	42,4	11	49	30	48,5	110	87	N 1/4	5,25	4,5	34	9	6	kg 0,536	GK3NNT14011A000	GK3NNT14044A000
		Psi	7250	inch	1,38	0,57	2,80	1,67	0,43	1,93	1,18	1,91	4,33	3,43		0,21	0,18	1,34	0,35	0,24	lb 1,18		
GE3K N 3/8	10	MPa	50	mm	40	17,4	73	44,4	11	54,25	35	54,5	110	93	N 3/8	5,25	4,5	34	9	10	kg 0,695	GK3NNT24011A000	GK3NNT24044A000
		Psi	7250	inch	1,57	0,69	2,87	1,75	0,43	2,14	1,38	2,15	4,33	3,66		0,21	0,18	1,34	0,35	0,39	lb 1,53		
GE3K N 1/2	13	MPa	50	mm	43	19,7	83	48,4	11	57	37	58,5	110	97	N 1/2	5,25	5	36	9	13	kg 0,825	GK3NNT33011A000	GK3NNT33044A000
		Psi	7250	inch	1,69	0,78	3,27	1,91	0,43	2,24	1,46	2,30	4,33	3,82		0,21	0,20	1,42	0,35	0,51	lb 1,82		
GE3K N 3/4	20	MPa	40	35	mm	57	25,4	95	62,5	14	75,5	49	75	180	105	N 3/4	6,25	6	50	14	20	kg 1,583	GK3NNT44011A000	GK3NNT43044A000
		Psi	5800	5075	inch	2,24	1,00	3,74	2,46	0,55	2,97	1,93	2,95	7,09	4,13		0,25	0,24	1,97	0,55	0,79	lb 3,49		
GE3K N 1	25	MPa	35		mm	65	29,5	105	66,5	14	83,5	55	89	180	113	N 1	6,25	6	50	14	25	kg 2,421	GK3NNT53011A000	GK3NNT53044A000
		Psi	5075		inch	2,56	1,16	4,13	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,34		
GE3K N 1 1/4 R	25	MPa	35		mm	65	29,5	120	66,5	14	83,5	55	89	180	113	N 1 1/4	6,25	6	50	14	25	kg 2,601	GK3NNR63011A000	GK3NNR63044A000
		Psi	5075		inch	2,56	1,16	4,72	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 5,73		
GE3K N 1 1/2 R	25	MPa	35		mm	65	29,5	124	66,5	14	83,5	55	89	180	113	N 1 1/2	6,25	6	50	14	25	kg 2,756	GK3NNR73011A000	GK3NNR73044A000
		Psi	5075		inch	2,56	1,16	4,88	2,62	0,55	3,29	2,17	3,50	7,09	4,45		0,25	0,24	1,97	0,55	0,98	lb 6,08		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED



GE3K SAE J1926-1

TYPE	DN	PN			A	B	C	D	E	F	G	G1	H	I	ØM	ØK*	W*	X*	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
																						ITEM CODE	
GE3K SAE4	6	MPa	50	mm	35	14,5	71	42,4	11	49	30	48,5	110	87	7/16	5,25	4,5	34	9	6	kg 0,536	GK3EEE04011A000	GK3EEE04044A000
		Psi	7250	inch	1,38	0,57	2,80	1,67	0,43	1,93	1,18	1,91	4,33	3,43	UNF	0,21	0,18	1,34	0,35	0,24	lb 1,18		
GE3K SAE6	10	MPa	50	mm	40	17,4	73	44,4	11	54,25	35	54,5	110	93	9/16	5,25	4,5	34	9	10	kg 0,695	GK3EEE14011A000	GK3EEE14044A000
		Psi	7250	inch	1,57	0,69	2,87	1,75	0,43	2,14	1,38	2,15	4,33	3,66	UNF	0,21	0,18	1,34	0,35	0,39	lb 1,53		
GE3K SAE8	13	MPa	50	mm	43	19,7	83	48,4	11	57	37	58,5	110	97	3/4	5,25	5	36	9	13	kg 0,825	GK3EEE23011A000	GK3EEE23044A000
		Psi	7250	inch	1,69	0,78	3,27	1,91	0,43	2,24	1,46	2,30	4,33	3,82	UNF	0,21	0,20	1,42	0,35	0,51	lb 1,82		
GE3K SAE12	20	MPa	40	35	mm	57	25,4	95	62,5	14	75,5	49	75	180	105	1 1/16	6,25	6	50	14	20	kg 1,583	GK3EEE34011A000	GK3EEE34044A000
		Psi	5800	5075	inch	2,24	1,00	3,74	2,46	0,55	2,97	1,93	2,95	7,09	4,13	UNF	0,25	0,24	1,97	0,55	0,79	lb 3,49		
GE3K SAE16	25	MPa	35		mm	65	29,5	105	66,5	14	83,5	55	89	180	113	1 5/16	6,25	6	50	14	25	kg 2,421	GK3EEE43011A000	GK3EEE43044A000
		Psi	5075		inch	2,56	1,16	4,13	2,62	0,55	3,29	2,17	3,50	7,09	4,45	UNF	0,25	0,24	1,97	0,55	0,98	lb 5,34		
GE3K SAE20R	25	MPa	35		mm	65	29,5	120	66,5	14	83,5	55	89	180	113	1 5/8	6,25	6	50	14	25	kg 2,601	GK3EEE53011A000	GK3EEE53044A000
		Psi	5075		inch	2,56	1,16	4,72	2,62	0,55	3,29	2,17	3,50	7,09	4,45	UNF	0,25	0,24	1,97	0,55	0,98	lb 5,73		
GE3K SAE24R	25	MPa	35		mm	65	29,5	124	66,5	14	83,5	55	89	180	113	1 7/8	6,25	6	50	14	25	kg 2,756	GK3EEE63011A000	GK3EEE63044A000
		Psi	5075		inch	2,56	1,16	4,88	2,62	0,55	3,29	2,17	3,50	7,09	4,45	UNF	0,25	0,24	1,97	0,55	0,98	lb 6,08		

Size only for carbon steel valves with fixing holes included.

FIXING HOLES INCLUDED

GEF

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.2

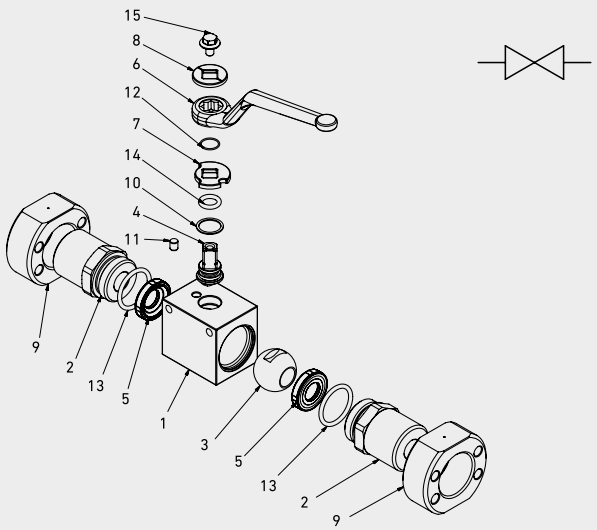
CS Carbon Steel

- Type: ball valve 2 way
- Sizes: from DN13 up to DN25
- Ends: ISO6162-1/-2 SAEJ518-1/-2
- Pressure: up to PN420 / S6000
- Temp range: -20°C to +100°C

SS Stainless Steel

- Type: ball valve 2 way
- Sizes: from DN13 up to DN25
- Ends: ISO6162-1/-2 SAEJ518-1/-2
- Pressure: up to PN420 / S6000
- Temp range: -30°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0737	1,4404
2	Adapter	2	1,0737	1,4404
3	Ball	1	1,0737	1,4404
4	Stem	1	1,0737	1,4404
5	Ball seat	2	POM	POM
6	Handle	1	ZINC	ZINC
7	Washer	1	1,0116	1,4301
8	Washer	1	1,0116	1,4301
9	Flange	2	1,0737	1,4404
10	Stem ring	1	POM	POM
11	Pin	1	1,0737	1,4301
12	Seeger	1	1,4301	1,4301
13	Adapter o-ring	2	NBR	NBR
14	Stem o-ring	1	NBR	NBR
15	Screw	1	Din 6921 8.8	Din 6921 A2





CODE DESCRIPTION STRUCTURE

GE	F3	DN13	1	1	1	1	A	B

Type and way of valve

GE 2-way

Ends

Valves dimension of pressure (PSI) F3	Valves dimension of pressure (PSI) F6
S3000	S6000

Size

from DN13 to DN25

Body Material

- **1** = 1,0737
- **4** = 1,4404

Adapter material

- **1** = 1,0737
- **4** = 1,4404

Stem material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Ball Material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

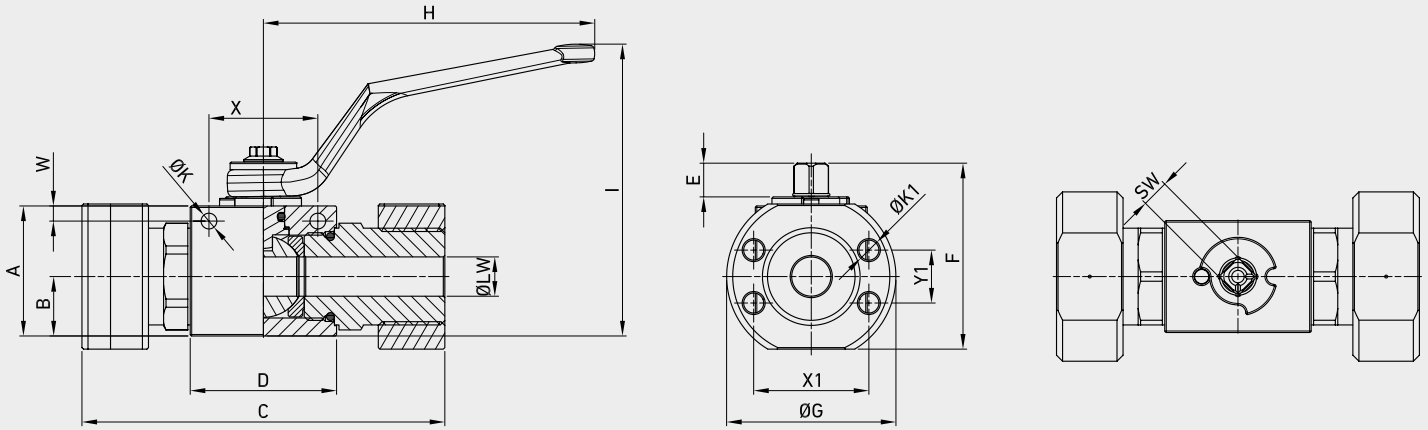
Seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN6000 Psi
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



GEF SAE J518 S3000 - F61

CS Carbon Steel — SS Stainless Steel

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK1	X1	Y1	ØK*	W*	X*	ØLW	SW	WEIGHT		ITEM CODE	
GEF3	13	MPa	35	mm	43	19,7	120	48,4	11	61,5	56	110	95	M8	38,1	17,5	5,25	5	36	13	9	kg	1,504	GE2FFC0L011A000	GE2FFC0L044A000
		Psi	5075	inch	1,69	0,78	4,72	1,91	0,43	2,42	2,20	4,33	3,74		1,50	0,69	0,21	0,20	1,42	0,51	0,35	lb	3,32		
GEF3	20	MPa	35	mm	57	25,4	136	62,5	14	80,1	72	180	105	M10	47,6	22,2	6,25	6	50	20	14	kg	2,608	GE2FFC1L011A000	GE2FFC1L044A000
		Psi	5075	inch	2,24	1,00	5,35	2,46	0,55	3,15	2,83	7,09	4,13		1,87	0,87	0,25	0,24	1,97	0,79	0,55	lb	5,75		
GEF3	25	MPa	35	mm	65	29,5	148	66,5	14	89	81	180	113	M10	52,4	26,2	6,25	6	50	25	14	kg	3,891	GE2FFC2L011A000	GE2FFC2L044A000
		Psi	5075	inch	2,56	1,16	5,83	2,62	0,55	3,50	3,19	7,09	4,45		2,06	1,03	0,25	0,24	1,97	0,98	0,55	lb	8,58		

Size only for carbon steel valves with fixing holes included.

GEF SAE J518 S3000 UNC - F61

CS Carbon Steel — SS Stainless Steel

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK1	X1	Y1	ØK*	W*	X*	ØLW	SW	WEIGHT		ITEM CODE	
GEF3	13	MPa	35	mm	43	19,7	120	48,4	11	61,5	56	110	95	5/16-18	38,1	17,5	5,25	5	36	13	9	kg	1,504	GE2FUC0L011A000	GE2FUC0L044A000
		Psi	5075	inch	1,69	0,78	4,72	1,91	0,43	2,42	2,20	4,33	3,74	UNC	1,50	0,69	0,21	0,20	1,42	0,51	0,35	lb	3,32		
GEF3	20	MPa	35	mm	57	25,4	136	62,5	14	80,1	72	180	105	3/8-16	47,6	22,2	6,25	6	50	20	14	kg	2,608	GE2FUC1L011A000	GE2FUC1L044A000
		Psi	5075	inch	2,24	1,00	5,35	2,46	0,55	3,15	2,83	7,09	4,13	UNC	1,87	0,87	0,25	0,24	1,97	0,79	0,55	lb	5,75		
GEF3	25	MPa	35	mm	65	29,5	148	66,5	14	89	81	180	113	3/8-16	52,4	26,2	6,25	6	50	25	14	kg	3,891	GE2FUC2L011A000	GE2FUC2L044A000
		Psi	5075	inch	2,56	1,16	5,83	2,62	0,55	3,50	3,19	7,09	4,45	UNC	2,06	1,03	0,25	0,24	1,97	0,98	0,55	lb	8,58		

Size only for carbon steel valves with fixing holes included.

GEF SAE J518 S6000 - F62

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK1	X1	Y1	ØK*	W*	X*	ØLW	SW	WEIGHT		Carbon Steel	Stainless Steel
																								ITEM CODE	
GEF6	13	MPa	42	mm	43	19,7	120	48,4	11	61,5	56	110	95	M8	40,5	18,2	5,25	5	36	13	9	kg	1,504	GE2FFC6G011A000	GE2FFC6G044A000
		Psi	6090	inch	1,69	0,78	4,72	1,91	0,43	2,42	2,20	4,33	3,74		1,59	0,72	0,21	0,20	1,42	0,51	0,35	lb	3,32		
GEF6	20	MPa	42	mm	57	25,4	136	62,5	14	80,1	72	180	105	M10	50,8	23,8	6,25	6	50	20	14	kg	2,608	GE2FFC74011A000	GE2FFC74044A000
		Psi	6090	inch	2,24	1,00	5,35	2,46	0,55	3,15	2,83	7,09	4,13		2,00	0,94	0,25	0,24	1,97	0,79	0,55	lb	5,75		
GEF6	25	MPa	42	mm	65	29,5	148	66,5	14	89	81	180	113	M12	57,2	27,8	6,25	6	50	25	14	kg	3,891	GE2FFC83011A000	GE2FFC83044A000
		Psi	6090	inch	2,56	1,16	5,83	2,62	0,55	3,50	3,19	7,09	4,45		2,25	1,09	0,25	0,24	1,97	0,98	0,55	lb	8,58		

Size only for carbon steel valves with fixing holes included.

GEF SAE J518 S6000 UNC - F62

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK1	X1	Y1	ØK*	W*	X*	ØLW	SW	WEIGHT		Carbon Steel	Stainless Steel
																								ITEM CODE	
GEF6	13	MPa	42	mm	43	19,7	120	48,4	11	61,5	56	110	95	5/16-18	40,5	18,2	5,25	5	36	13	9	kg	1,504	GE2FUC6G011A000	GE2FUC6G044A000
		Psi	6090	inch	1,69	0,78	4,72	1,91	0,43	2,42	2,20	4,33	3,74	UNC	1,59	0,72	0,21	0,20	1,42	0,51	0,35	lb	3,32		
GEF6	20	MPa	42	mm	57	25,4	136	62,5	14	75,5	72	180	105	3/8-16	50,8	23,8	6,25	6	50	20	14	kg	2,608	GE2FUC74011A000	GE2FUC74044A000
		Psi	6090	inch	2,24	1,00	5,35	2,46	0,55	2,97	2,83	7,09	4,13	UNC	2,00	0,94	0,25	0,24	1,97	0,79	0,55	lb	5,75		
GEF6	25	MPa	42	mm	65	29,5	148	66,5	14	89	81	180	113	7/16-14	57,2	27,8	6,25	6	50	25	14	kg	3,891	GE2FUC83011A000	GE2FUC83044A000
		Psi	6090	inch	2,56	1,16	5,83	2,62	0,55	3,50	3,19	7,09	4,45	UNC	2,25	1,09	0,25	0,24	1,97	0,98	0,55	lb	8,58		

Size only for carbon steel valves with fixing holes included.

GES

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.2

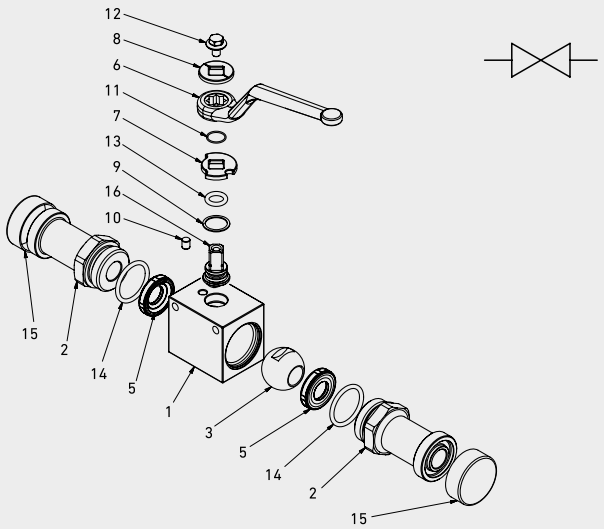
CS Carbon Steel

- Type: ball valve 2 way
- Sizes: from DN13 up to DN25
- Ends: SAE J518
- Pressure: up to PN420 / S6000
- Temp range: -20°C to +100°C

SS Stainless Steel

- Type: ball valve 2 way
- Sizes: from DN13 up to DN25
- Ends: SAE J518
- Pressure: up to PN420 / S6000
- Temp range: -30°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0737	1,4404
2	Adapter	2	1,0737	1,4404
3	Ball	1	1,0737	1,4404
4	Stem	1	1,0737	1,4404
5	Ball seat	2	POM	POM
6	Handle	1	ZINC	ZINC
7	Washer	1	1,0116	1,4301
8	Washer	1	1,0116	1,4301
9	Stem ring	1	POM	POM
10	Pin	1	1,0737	1,4301
11	Seeger	1	1,4301	1,4301
12	Adapter o-ring	2	NBR	NBR
13	Stem o-ring	1	NBR	NBR
14	Screw	1	Din 6921 8.8	Din 6921 A2
15	Caps	2	PVC	PVC





CODE DESCRIPTION STRUCTURE

GE	FS-S3	DN13	1	1	1	1	A	B

Type and way of valve

GE 2-way

Ends

Valves dimension of pressure (PSI) S3	Valves dimension of pressure (PSI) S6
S3000	S6000

Size

from DN13 to DN25

Body Material

- **1** = 1,0737
- **4** = 1,4404

Adapter material

- **1** = 1,0737
- **4** = 1,4404

Stem material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Ball Material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

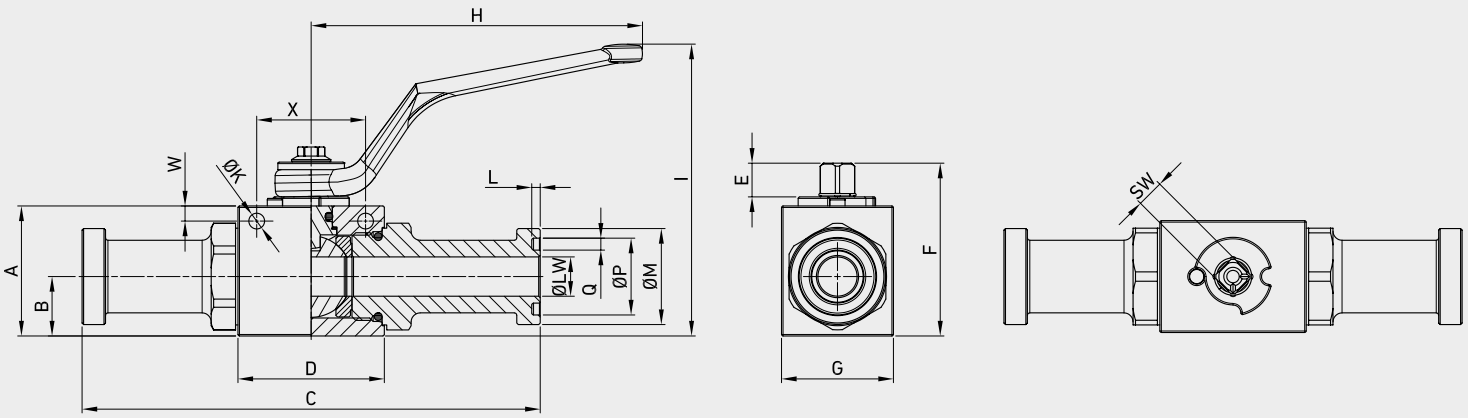
Seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN6000 Psi
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



GES SAE J518 S3000 - C61

																								Carbon Steel	Stainless Steel
TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØM	ØP	Q	ØK*	W*	X*	SW	ØLW	WEIGHT		ITEM CODE	
GES3	13	MPa	35	mm	43	19,7	151,5	48,4	11	57	37	110	99,5	2,79	30,2	25,4	3,94	5,25	5	36	9	13	kg	0,96	GE2SSC0L011A000	GE2SSC0L044A000
		Psi	5075	inch	1,69	0,78	5,96	1,91	0,43	2,24	1,46	4,33	3,92	0,11	1,19	1,00	0,16	0,21	0,20	1,42	0,35	0,51	lb	2,12		
GES3	20	MPa	35	mm	55	25,4	162	62,5	14	75,5	45	180	106,5	2,79	38,1	31,75	3,94	6,25	6	50	14	20	kg	1,717	GE2SSC1L011A000	GE2SSC1L044A000
		Psi	5075	inch	2,17	1,00	6,38	2,46	0,55	2,97	1,77	7,09	4,19	0,11	1,50	1,25	0,16	0,25	0,24	1,97	0,55	0,79	lb	3,79		
GES3	25	MPa	35	mm	65	29,5	178	66,5	14	83,5	55	180	116,5	2,79	44,4	39,2	3,94	6,25	6	50	14	25	kg	2,597	GE2SSC2L011A000	GE2SSC2L044A000
		Psi	5075	inch	2,56	1,16	7,01	2,62	0,55	3,29	2,17	7,09	4,59	0,11	1,75	1,54	0,16	0,25	0,24	1,97	0,55	0,98	lb	5,73		

Size only for carbon steel valves with fixing holes included.

GES3 SAE J518 S3000 EXTRA LONG - C61

																									Carbon Steel
TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØM	ØP	Q	ØK*	W*	X*	SW	ØLW	WEIGHT		ITEM CODE
GES3	13	MPa	35	mm	43	19,7	170	48,4	11,1	57,25	37	110	97	2,79	30,2	25,4	3,94	5,25	5	36	9	13	kg	1,02	GE2SXC0L011A000
		Psi	5075	inch	1,69	0,78	6,69	1,91	0,44	2,25	1,46	4,33	3,82	0,11	1,19	1,00	0,16	0,21	0,20	1,42	0,35	0,51	lb	2,25	
GES3	20	MPa	35	mm	57	25,4	200	62,5	14,35	75,5	49	180	105	2,79	38,1	31,75	3,94	6,25	6	50	14	19	kg	2,07	GE2SXC1L011A000
		Psi	5075	inch	2,24	1,00	7,87	2,46	0,56	2,97	1,93	7,09	4,13	0,11	1,50	1,25	0,16	0,25	0,24	1,97	0,55	0,75	lb	4,56	
GES3	25	MPa	35	mm	65	29,5	215	66,5	14,35	83,5	55	180	112,6	2,79	44,45	39,62	3,94	6,25	6	50	14	25	kg	2,79	GE2SXC2L011A000
		Psi	5075	inch	2,56	1,16	8,46	2,62	0,56	3,29	2,17	7,09	4,43	0,11	1,75	1,56	0,16	0,25	0,24	1,97	0,55	0,98	lb	6,15	

Size only for carbon steel valves with fixing holes included.

GES SAE J518 S6000 - C62

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØM	ØP	Q	ØK*	W*	X*	SW	ØLW	WEIGHT	CS Carbon Steel ITEM CODE	SS Stainless Steel ITEM CODE
GES6	13	MPa	42	mm	43	19,7	151,5	48,4	11	57	37	110	99,5	2,79	31,6	25,4	3,94	5,25	5	36	9	13	kg	0,956	GE2SSC6G011A000	GE2SSC6G044A000
		Psi	6090	inch	1,69	0,78	5,96	1,91	0,43	2,24	1,46	4,33	3,92	0,11	1,24	1,00	0,16	0,21	0,20	1,42	0,35	0,51	lb	2,11		
GES6	20	MPa	42	mm	55	25,4	174	62,5	14	75,5	45	180	106,5	2,79	41,3	31,75	3,94	6,25	6	50	14	20	kg	1,792	GE2SSC74011A000	GE2SSC74044A000
		Psi	6090	inch	2,17	1,00	6,85	2,46	0,55	2,97	1,77	7,09	4,19	0,11	1,63	1,25	0,16	0,25	0,24	1,97	0,55	0,79	lb	3,95		
GES6	25	MPa	42	mm	65	29,5	198	66,5	14	83,5	55	180	116,5	2,79	47,8	39,2	3,94	6,25	6	50	14	25	kg	2,759	GE2SSC83011A000	GE2SSC83044A000
		Psi	6090	inch	2,56	1,16	7,80	2,62	0,55	3,29	2,17	7,09	4,59	0,11	1,88	1,54	0,16	0,25	0,24	1,97	0,55	0,98	lb	6,08		

Size only for carbon steel valves with fixing holes included.

GES6 SAE J518 S6000 EXTRA LONG - C62

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØM	ØP	Q	ØK*	W*	X*	SW	ØLW	WEIGHT	CS Carbon Steel ITEM CODE
GES6	13	MPa	42	mm	43	19,7	180	48,4	11,1	57,25	37	110	97	2,79	31,75	25,4	3,94	5,25	5	36	9	13	kg	1,05	GE2SXC6G011A000
		Psi	6090	inch	1,69	0,78	7,09	1,91	0,44	2,25	1,46	4,33	3,82	0,11	1,25	1,00	0,16	0,21	0,20	1,42	0,35	0,51	lb	2,31	
GES6	20	MPa	42	mm	57	25,4	200	62,5	14,35	75,5	49	180	105	2,79	41,3	31,75	3,94	6,25	6	50	14	19	kg	2,11	GE2SXC74011A000
		Psi	6090	inch	2,24	1,00	7,87	2,46	0,56	2,97	1,93	7,09	4,13	0,11	1,63	1,25	0,16	0,25	0,24	1,97	0,55	0,75	lb	4,65	
GES6	25	MPa	42	mm	65	29,5	250	66,5	14,35	83,5	55	180	112,6	2,79	47,63	39,62	3,94	6,25	6	50	14	25	kg	3,07	GE2SXC83011A000
		Psi	6090	inch	2,56	1,16	9,84	2,62	0,56	3,29	2,17	7,09	4,43	0,11	1,88	1,56	0,16	0,25	0,24	1,97	0,55	0,98	lb	6,77	

Size only for carbon steel valves with fixing holes included.

GEF-S

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.2

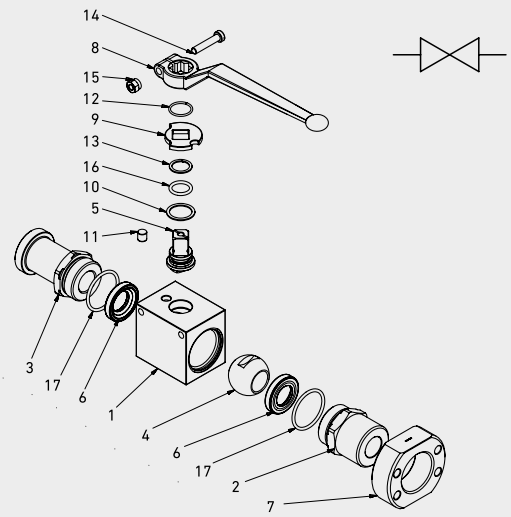
CS Carbon Steel

- Type: ball valve 2 way
- Sizes: from DN13 up to DN25
- Ends: ISO6162-1/-2 SAEJ518-1/-2
- Pressure: up to PN420 / S6000
- Temp range: from -20°C to +100°C

SS Stainless Steel

- Type: ball valve 2 way
- Sizes: from DN13 up to DN25
- Ends: ISO6162-1/-2 SAEJ518-1/-2
- Pressure: up to PN420 / S6000
- Temp range: from -30°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL	SS Stainless Steel MATERIAL
1	Body	1	1,0737	1,4404
2	Adapter	1	1,0737	1,4404
3	Plug	1	1,0737	1,4404
4	Ball	1	1,0737	1,4404
5	Stem	1	1,0737	1,4404
6	Ball seat	2	POM	POM
7	Flange	1	1,0737	1,4404
8	Handle	1	ZINC	ZINC
9	Washer	1	1,0116	1,4404
10	Stem ring	1	POM	POM
11	Pin	1	1,0737	1,4404
12	Seeger	1	1,4301	1,4301
13	Stem back up	1	PTFE	PTFE
14	Lever screw	1	ISO1207 8.8	ISO1207 8.8
15	Lever nut	1	ISO7040	ISO7040
16	Stem o-ring	1	NBR	NBR
17	Adapter o-ring	2	NBR	NBR





CODE DESCRIPTION STRUCTURE

GE	F3-S3	DN13	1	1	1	1	A	B

Type and way of valve

GE 2-way

Ends

Valves dimension of pressure (PSI) F3/S3	Valves dimension of pressure (PSI) F6/S6
S3000	S6000

Size

from DN13 to DN25

Body Material

- **1** = 1,0737
- **4** = 1,4404

Adapter material

- **1** = 1,0737
- **4** = 1,4404

Stem material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Ball Material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

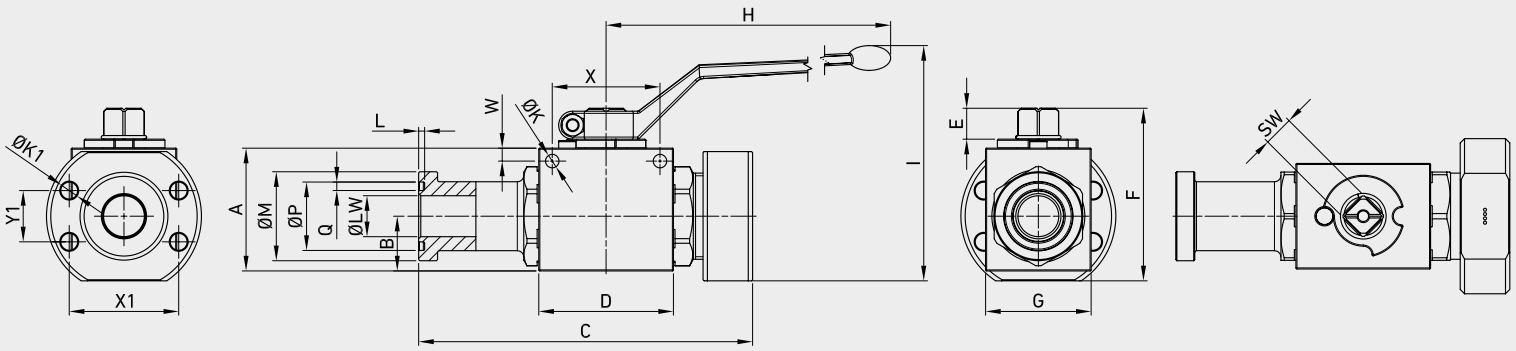
Seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN6000 Psi
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



GEFS3

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØK1	ØM	ØP	Q	ØK*	W*	X*	X1	Y1	ØLW	SW	WEIGHT	Carbon Steel	Stainless Steel
																										ITEM CODE	
GEFS3	13	MPa	35	mm 43	19,7	135,7	48,4	11,1	61,5	37	110	101	2,79	M8	30,2	25,4	3,94	5,25	5	36	38,1	17,5	13	9	kg 1,223	GE2SFC0L011A000	GE2SFC0L044A000
		Psi	5075	inch 1,69	0,77	5,34	1,91	0,44	2,42	1,46	4,33	3,98	0,11		1,19	1,00	0,16	0,21	0,20	1,42	1,50	0,69	0,51	0,35	lb 2,70		
GEFS3	20	MPa	35	mm 57	25,4	149	62,5	14,35	80,1	49	180	109	2,79	M10	38,1	31,75	3,94	6,25	6	50	47,6	22,2	19	14	kg 2,349	GE2SFC1L011A000	GE2SFC1L044A000
		Psi	5075	inch 2,24	1,00	5,87	2,46	0,56	3,15	1,93	7,09	4,29	0,11		1,50	1,25	0,16	0,25	0,24	1,97	1,87	0,87	0,75	0,55	lb 5,18		
GEFS3	25	MPa	35	mm 65	29,5	163	66,5	14,35	89	55	180	118	2,79	M10	44,45	39,62	3,94	6,25	6	50	52,4	26,2	25	14	kg 3,216	GE2SFC2L011A000	GE2SFC2L044A000
		Psi	5075	inch 2,56	1,16	6,42	2,62	0,56	3,50	2,17	7,09	4,65	0,11		1,75	1,56	0,16	0,25	0,24	1,97	2,06	1,03	0,98	0,55	lb 7,09		

Size only for carbon steel valves with fixing holes included.

GEFS3 U

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØK1	ØM	ØP	Q	ØK*	W*	X*	X1	Y1	ØLW	SW	WEIGHT	Carbon Steel	Stainless Steel
																										ITEM CODE	
GEFS3	13	MPa	35	mm 43	19,7	135,7	48,4	11,1	61,5	37	110	101	2,79	5/16-48	30,2	25,4	3,94	5,25	5	36	38,1	17,5	13	9	kg 1,2	GE2S0C0L011A000	GE2S0C0L044A000
		Psi	5075	inch 1,69	0,78	5,34	1,91	0,44	2,42	1,46	4,33	3,98	0,11	UNC	1,19	1,00	0,16	0,21	0,20	1,42	1,50	0,69	0,51	0,35	lb 2,70		
GEFS3	20	MPa	35	mm 57	25,4	149	62,5	14,35	80,1	49	180	109	2,79	3/8-16	38,1	31,75	3,94	6,25	6	50	47,6	22,2	19	14	kg 2,35	GE2S0C1L011A000	GE2S0C1L044A000
		Psi	5075	inch 2,24	1,00	5,87	2,46	0,56	3,15	1,93	7,09	4,29	0,11	UNC	1,50	1,25	0,16	0,25	0,24	1,97	1,87	0,87	0,75	0,55	lb 5,18		
GEFS3	25	MPa	35	mm 65	29,5	163	66,5	14,35	89	55	180	118	2,79	3/8-16	44,45	39,62	3,94	6,25	6	50	52,4	26,2	25	14	kg 3,2	GE2S0C2L011A000	GE2S0C2L044A000
		Psi	5075	inch 2,56	1,16	6,42	2,62	0,56	3,50	2,17	7,09	4,65	0,11	UNC	1,75	1,56	0,16	0,25	0,24	1,97	2,06	1,03	0,98	0,55	lb 7,09		

Size only for carbon steel valves with fixing holes included.

GEFS6

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØK1	ØM	ØP	Q	ØK*	W*	X*	X1	Y1	ØLW	SW	WEIGHT	CS Carbon Steel	SS Stainless Steel
GEFS6	13	MPa	42	mm	43	19,7	135,8	48,4	11,1	61,5	37	110	101	2,79	M8	31,75	25,4	3,94	5,25	5	36	40,5	18,2	13	9	kg	1,217	GE2SFC6G011A000	GE2SFC6G044A000
		Psi	6090	inch	1,69	0,77	5,34	1,91	0,44	2,42	1,46	4,33	3,98	0,11		1,25	1,00	0,16	0,21	0,20	1,42	1,59	0,72	0,51	0,35	lb	2,68		
GEFS6	20	MPa	42	mm	57	25,4	155	62,5	14,35	80,1	49	180	109	2,79	M10	41,3	31,75	3,94	6,25	6	50	50,8	23,8	19	14	kg	2,273	GE2SFC74011A000	GE2SFC74044A000
		Psi	6090	inch	2,24	1,00	6,10	2,46	0,56	3,15	1,93	7,09	4,29	0,11		1,63	1,25	0,16	0,25	0,24	1,97	2,00	0,94	0,75	0,55	lb	5,01		
GEFS6	25	MPa	42	mm	65	29,5	173	66,5	14,35	89	55	180	118	2,79	M12	47,63	39,62	3,94	6,25	6	50	57,2	27,8	25	14	kg	3,309	GE2SFC83011A000	GE2SFC83044A000
		Psi	6090	inch	2,56	1,16	6,81	2,62	0,56	3,50	2,17	7,09	4,65	0,11		1,88	1,56	0,16	0,25	0,24	1,97	2,25	1,09	0,98	0,55	lb	7,30		

Size only for carbon steel valves with fixing holes included.

GEFS6 U

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	L	ØK1	ØM	ØP	Q	ØK*	W*	X*	X1	Y1	ØLW	SW	WEIGHT	CS Carbon Steel	SS Stainless Steel
GEFS6	13	MPa	42	mm	43	19,7	135,8	48,4	11,1	61,5	37	110	101	2,79	5/16-18	31,75	25,4	3,94	5,25	5	36	40,5	18,2	13	9	kg	1,217	GE2S0C6G011A000	GE2S0C6G044A000
		Psi	6090	inch	1,69	0,77	5,34	1,91	0,44	2,42	1,46	4,33	3,98	0,11	UNC	1,25	1,00	0,16	0,21	0,20	1,42	1,59	0,72	0,51	0,35	lb	2,68		
GEFS6	20	MPa	42	mm	57	25,4	155	62,5	14,35	80,1	49	180	109	2,79	3/8-16	41,3	31,75	3,94	6,25	6	50	50,8	23,8	19	14	kg	2,273	GE2S0C74011A000	GE2S0C74044A000
		Psi	6090	inch	2,24	1,00	6,10	2,46	0,56	3,15	1,93	7,09	4,29	0,11	UNC	1,63	1,25	0,16	0,25	0,24	1,97	2,00	0,94	0,75	0,55	lb	5,01		
GEFS6	25	MPa	42	mm	65	29,5	173	66,5	14,35	89	55	180	118	2,79	7/16-14	47,63	39,62	3,94	6,25	6	50	57,2	27,8	25	14	kg	3,309	GE2S0C83011A000	GE2S0C83044A000
		Psi	6090	inch	2,56	1,16	6,81	2,62	0,56	3,50	2,17	7,09	4,65	0,11	UNC	1,88	1,56	0,16	0,25	0,24	1,97	2,25	1,09	0,98	0,55	lb	7,30		

Size only for carbon steel valves with fixing holes included.

GB1

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.1

CS Carbon Steel

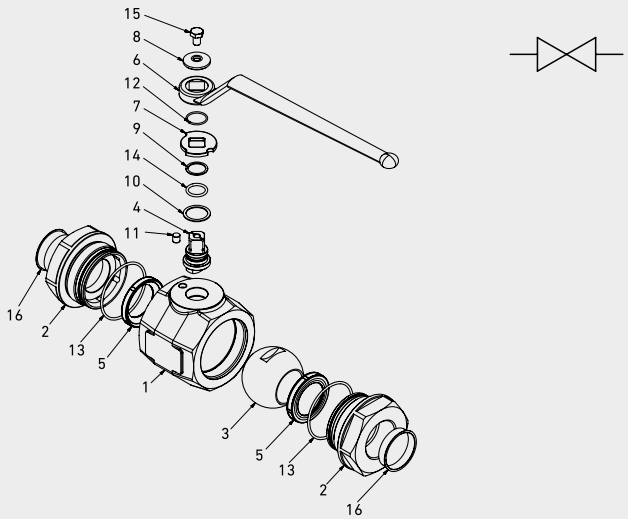
- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: BSP-NPT-SAE
- Pressure: up to PN420
- Temp range: from -30°C to +100°C (body -46°C)

SS Stainless Steel

- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: BSP-NPT-SAE
- Pressure: up to PN420
- Temp range: from -30°C to +100°C (body -46°C)

DNV Certified

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0570	1,4404
2	Adapter	2	1,0570	1,4404
3	Ball	1	1,0737	1,4404
4	Stem	1	1,0737	1,4301
5	Ball seat	2	POM	POM
6	Handle	1	1,0116	1.0116
7	Washer	1	1,0116	1,4031
8	Washer	1	1,0737	1,4031
9	Back-up	1	PTFE	PTFE
10	Stem ring	1	POM	POM
11	Pin	1	1,0737	1,4404
12	Seeger	1	1,4301	1,4301
13	Adapter o-ring	4	NBR	NBR
14	Stem o-ring	1	NBR	NBR
15	Screw	1	ISO4017 8.8	ISO4017 A2
16	Caps	2	PVC	PVC





CODE DESCRIPTION STRUCTURE

GB1	G 1 1/2	DN32	L	L	1	1	A	B

Type and way of valve

GB1 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1
G 1 1/4	N 1 1/4	SAE20
G 1 1/2	N 1 1/2	SAE24
G 2	N 2	SAE32

Size

from DN32 to DN50

Body Material

- **L** = 1,0570
- **4** = 1,4404

Adapter material

- **L** = 1,0570
- **4** = 1,4404

Stem material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Ball Material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

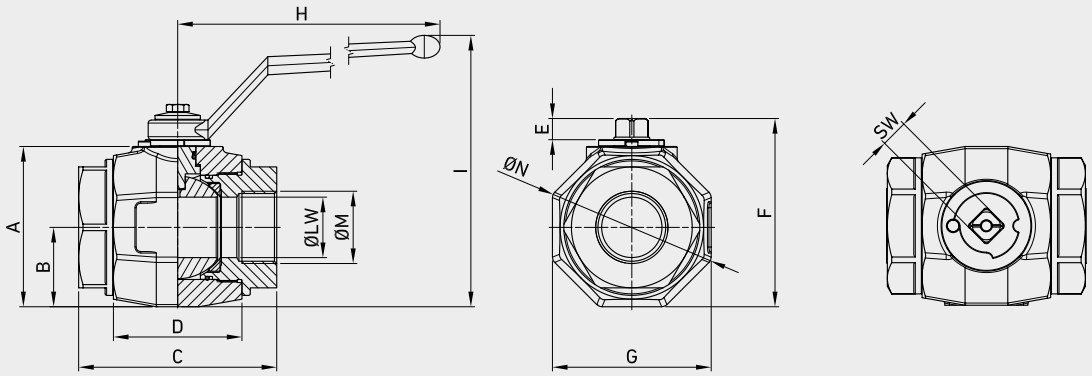
Seal material

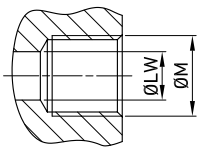
B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN42 MPa
- Pneumatic and electrical actuator
- Security block
- Locking device

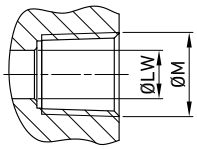
For further special requests please consult our technical/commercial service.





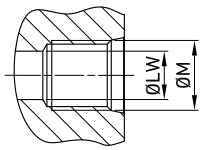
GB1 DIN/ISO 228 BSP

TYPE	DN	PN		A	B	C	D	E	F	ØN	H	I	ØM	G	SW	ØLW	WEIGHT		ITEM CODE (CS Carbon Steel)	ITEM CODE (SS Stainless Steel)
GB1 G 1 1/4	32	MPa	42	mm	89	42,5	115	75	14	107,5	92	310	162,5	G 1 1/4	85	17	32	kg	4,489	GB1GGT6G0L1A000	GB1GGT6G044A000
		Psi	6090	inch	3,50	1,67	4,53	2,95	0,55	4,23	3,62	12,20	6,40		3,35	0,67	1,26	lb	9,90		
GB1 G 1 1/2	40	MPa	42	mm	106	52,5	131	85	14	124,5	113	310	179,5	G 1 1/2	105	17	40	kg	6,750	GB1GGT7G0L1A000	GB1GGT7G044A000
		Psi	6090	inch	4,17	2,07	5,16	3,35	0,55	4,90	4,45	12,20	7,07		4,13	0,67	1,57	lb	14,88		
GB1 G 2	50	MPa	42	mm	115,5	58,5	140	97,85	14	134	126	310	189	G 2	117	17	50	kg	8,708	GB1GGT8G0L1A000	GB1GGT8G044A000
		Psi	6090	inch	4,55	2,30	5,51	3,85	0,55	5,28	4,96	12,20	7,44		4,61	0,67	1,97	lb	19,20		



GB1 ANSI/ASME B1.20.1 NPT

TYPE	DN	PN			A	B	C	D	E	F	ØN	H	I	ØM	G	SW	ØLW	WEIGHT		ITEM CODE (CS Carbon Steel)	ITEM CODE (SS Stainless Steel)
GB1 N 1 1/4	32	MPa	42	mm	89	42,5	115	75	14	107,5	92	310	162,5	N 1 1/4	85	17	32	kg	4,489	GB1NNT6G0L1A000	GB1NNT6G044A000
		Psi	6090	inch	3,50	1,67	4,53	2,95	0,55	4,23	3,62	12,20	6,40		3,35	0,67	1,26	lb	9,90		
GB1 N 1 1/2	40	MPa	42	mm	106	52,5	131	85	14	124,5	113	310	179,5	N 1 1/2	105	17	40	kg	6,774	GB1NNT7G0L1A000	GB1NNT7G044A000
		Psi	6090	inch	4,17	2,07	5,16	3,35	0,55	4,90	4,45	12,20	7,07		4,13	0,67	1,57	lb	14,93		
GB1 N 2	50	MPa	42	mm	115,5	58,5	140	97,85	14	134	126	310	189	N 2	117	17	50	kg	8,708	GB1NNT8G0L1A000	GB1NNT8G044A000
		Psi	6090	inch	4,55	2,30	5,51	3,85	0,55	5,28	4,96	12,20	7,44		4,61	0,67	1,97	lb	19,20		



GB1 SAE J1926-1

TYPE	DN	PN			A	B	C	D	E	F	ØN	H	I	ØM	G	SW	ØLW	WEIGHT		ITEM CODE (CS Carbon Steel)	ITEM CODE (SS Stainless Steel)
GB1 SAE20	32	MPa	42	mm	89	42,5	115	75	14	107,5	92	310	162,5	1 5/8 UNF	85	17	32	kg	4,489	GB1EEE5G0L1A000	GB1EEE5G044A000
		Psi	6090	inch	3,50	1,67	4,53	2,95	0,55	4,23	3,62	12,20	6,40		3,35	0,67	1,26	lb	9,90		
GB1 SAE24	40	MPa	42	mm	106	52,5	131	85	14	124,5	113	310	179,5	1 7/8 UNF	105	17	40	kg	6,822	GB1EEE6G0L1A000	GB1EEE6G044A000
		Psi	6090	inch	4,17	2,07	5,16	3,35	0,55	4,90	4,45	12,20	7,07		4,13	0,67	1,57	lb	15,04		
GB1 SAE32	50	MPa	42	mm	115,5	58,5	140	97,85	14	134	126	310	189	1 1/2 UNF	117	17	50	kg	8,708	GB1EEE7G0L1A000	GB1EEE7G044A000
		Psi	6090	inch	4,55	2,30	5,51	3,85	0,55	5,28	4,96	12,20	7,44		4,61	0,67	1,97	lb	19,20		

GB3

3-WAY HIGH PRESSURE BALL VALVES

Edition. 21.1

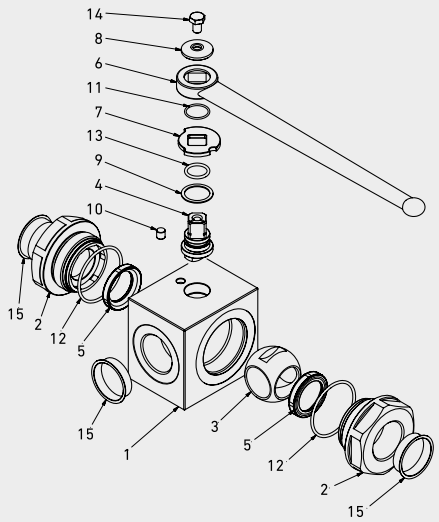
CS Carbon Steel

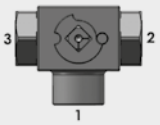
- Type: ball valve 3 way
- Sizes: from DN32 up to DN50
- Ends: BSP-NPT
- Pressure: up to PN350
- Temp range: from -20°C to +100°C

SS Stainless Steel

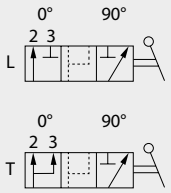
- Type: ball valve 3 way
- Sizes: from DN32 up to DN50
- Ends: BSP-NPT
- Pressure: up to PN350
- Temp range: from -30°C to +100°C

STANDARD COMPOSITION OF VALVE





WARNING!
Pressure inlet only from center port 1



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0570	1,4404
2	Adapter	2	1,0570	1,4404
3	Ball	1	1,0737	1,4404
4	Stem	1	1,0737	1,4404
5	Ball seat	2	POM	POM
6	Handle	1	1,0116	1,0116
7	Washer	1	1,0116	1,4301
8	Washer	1	1,0116	1,4301
9	Stem ring	1	POM	POM
10	Pin	1	1,0737	1,4301
11	Seeger	1	1,4301	1,4301
12	Adapter o-ring	4	NBR	NBR
13	Stem o-ring	1	NBR	NBR
14	Screw	1	ISO4017 8.8	ISO4017 A2
15	Caps	3	PVC	PVC





CODE DESCRIPTION STRUCTURE

GB3	G1 1/2	DN40	2	2	1	1	A	B

Type and way of valve

GB3 3-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1
G1 1/4	N1 1/4
G1 1/2	N1 1/2
G2	N2

Size

from DN32 to DN50

Body Material

- **2** = 1,0570
- **4** = 1,4404

Adapter material

- **2** = 1,0570
- **4** = 1,4404

Stem material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Ball Material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Seat material

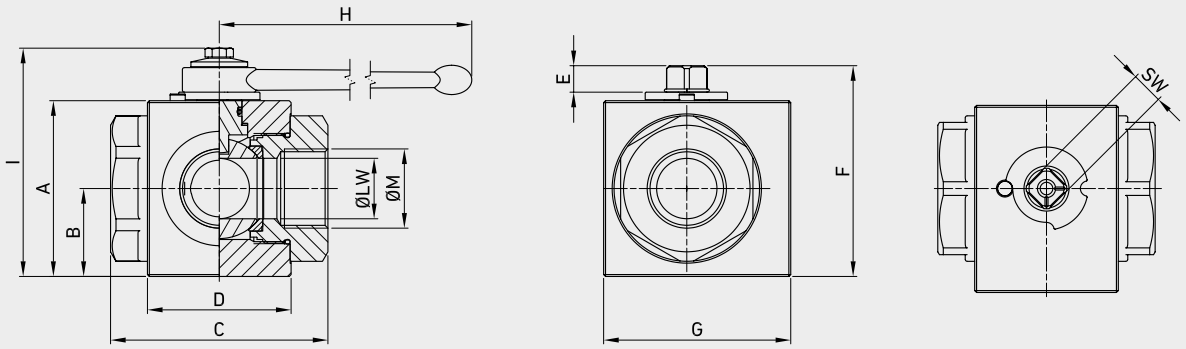
A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

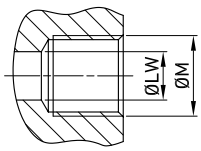
Seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request
- Reduced bore
- Special threads
- Pressure class up to PN35 MPa
- Pneumatic and electrical actuator
- Locking device

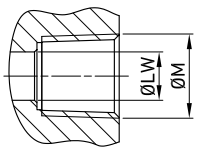
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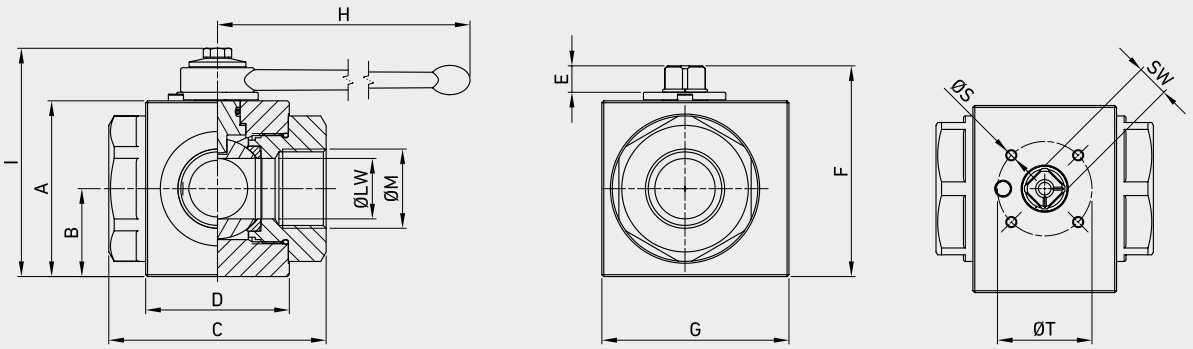
GB3 DIN/ISO 228 BSP

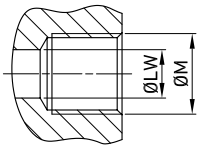
TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	SW	ØLW	WEIGHT	Carbon Steel	Stainless Steel
																	ITEM CODE	
GB3 G1 1/4	32	MPa	35	mm 93	46,5	115	75	13,5	111,5	99	300	120,5	G 1 1/4	17	32	kg 5,725	GB3GGT63021A000	GB3GGT63044A000
		Psi	5075	inch 3,66	1,83	4,53	2,95	0,53	4,39	3,90	11,81	4,74		0,67	1,26	lb 12,62		
GB3 G1 1/2	40	MPa	35	mm 107	53,5	131	85	13,5	125,5	115	300	134,5	G 1 1/2	17	40	kg 8,632	GB3GGT73021A000	GB3GGT73044A000
		Psi	5075	inch 4,21	2,11	5,16	3,35	0,53	4,94	4,53	11,81	5,30		0,67	1,57	lb 19,03		
GB3 G 2	50	MPa	35	mm 114	57	140	98	13,5	132,5	128	300	141,5	G 2	17	50	kg 10,607	GB3GGT83021A000	GB3GGT83044A000
		Psi	5075	inch 4,49	2,24	5,51	3,86	0,53	5,22	5,04	11,81	5,57		0,67	1,97	lb 23,38		



GB3 ANSI/ASME B1.20.1 NPT

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	SW	ØLW	WEIGHT	Carbon Steel	Stainless Steel
																	ITEM CODE	
GB3 N 1 1/4	32	MPa	35	mm 93	46,5	115	75	13,5	111,5	99	300	120,5	N 1 1/4	17	32	kg 5,725	GB3NNT63021A000	GB3NNT63044A000
		Psi	5075	inch 3,66	1,83	4,53	2,95	0,53	4,39	3,90	11,81	4,74		0,67	1,26	lb 12,62		
GB3 N 1 1/2	40	MPa	35	mm 107	53,5	131	85	13,5	125,5	115	300	134,5	N 1 1/2	17	40	kg 8,632	GB3NNT73021A000	GB3NNT73044A000
		Psi	5075	inch 4,21	2,11	5,16	3,35	0,53	4,94	4,53	11,81	5,30		0,67	1,57	lb 19,03		
GB3 N 2	50	MPa	35	mm 114	57	140	98	13,5	132,5	128	300	141,5	N 2	17	50	kg 10,607	GB3NNT83021A000	GB3NNT83044A000
		Psi	5075	inch 4,49	2,24	5,51	3,86	0,53	5,22	5,04	11,81	5,57		0,67	1,97	lb 23,38		

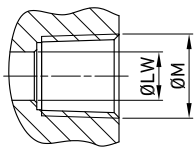




GB3 DIN/ISO 228 BSP

Assembling threads per IS05211

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ISO5211	SW	ØLW	WEIGHT	Carbon Steel (CS)	Stainless Steel (SS)
																				ITEM CODE	
GB3 G 1 1/4	32	MPa	35	mm 93	46,5	115	75	13,5	111,5	99	300	120,5	G 1 1/4	M6	50	F05	17	32	kg 5,725	GB3GGT63021AF50	GB3GGT63044AF50
		Psi	5075	inch 3,66	1,83	4,53	2,95	0,53	4,39	3,90	11,81	4,74			1,97		0,67	1,26	lb 12,62		
GB3 G 1 1/2	40	MPa	35	mm 107	53,5	131	85	13,5	125,5	115	300	134,5	G 1 1/2	M6	50	F05	17	40	kg 8,632	GB3GGT73021AF50	GB3GGT73044AF50
		Psi	5075	inch 4,21	2,11	5,16	3,35	0,53	4,94	4,53	11,81	5,30			1,97		0,67	1,57	lb 19,03		
GB3 G 2	50	MPa	35	mm 114	57	140	98	13,5	132,5	128	300	141,5	G 2	M6	50	F05	17	50	kg 10,607	GB3GGT83021AF50	GB3GGT83044AF50
		Psi	5075	inch 4,49	2,24	5,51	3,86	0,53	5,22	5,04	11,81	5,57			1,97		0,67	1,97	lb 23,38		



GB3 ANSI/ASME B1.20.1 NPT

Assembling threads per IS05211

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	ØM	ØS	ØT	ISO5211	SW	ØLW	WEIGHT	Carbon Steel (CS)	Stainless Steel (SS)
																				ITEM CODE	
GB3 N 1 1/4	32	MPa	35	mm 93	46,5	115	75	13,5	111,5	99	300	120,5	N 1 1/4	M6	50	F05	17	32	kg 5,725	GB3NNT63021AF50	GB3NNT63044AF50
		Psi	5075	inch 3,66	1,83	4,53	2,95	0,53	4,39	3,90	11,81	4,74			1,97		0,67	1,26	lb 12,62		
GB3 N 1 1/2	40	MPa	35	mm 107	53,5	131	85	13,5	125,5	115	300	134,5	N 1 1/2	M6	50	F05	17	40	kg 8,632	GB3NNT73021AF50	GB3NNT73044AF50
		Psi	5075	inch 4,21	2,11	5,16	3,35	0,53	4,94	4,53	11,81	5,30			1,97		0,67	1,57	lb 19,03		
GB3 N 2	50	MPa	35	mm 114	57	140	98	13,5	132,5	128	300	141,5	N 2	M6	50	F05	17	50	kg 10,607	GB3NNT83021AF50	GB3NNT83044AF50
		Psi	5075	inch 4,49	2,24	5,51	3,86	0,53	5,22	5,04	11,81	5,57			1,97		0,67	1,97	lb 23,38		

GBF

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.2

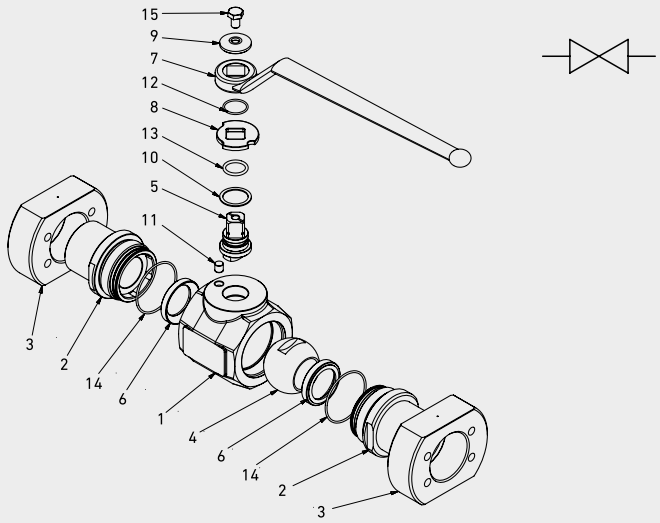
CS Carbon Steel

- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: ISO6162-1/-2, SAEJ518-1/-2
- Pressure: up to PN420 / S6000
- Temp range: from -30°C to +100°C (body -46°C)

SS Stainless Steel

- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: ISO6162-1/-2, SAEJ518-1/-2
- Pressure: up to PN420 / S6000
- Temp range: from -30°C to +100°C (body -46°C)

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0570	1,4404
2	Adapter	2	1,0570	1,4404
3	Ball	1	1,0737	1,4404
4	Stem	1	1,0737	1,4301
5	Ball seat	2	POM	POM
6	Handle	1	1,0116	1,0116
7	Washer	1	1,0116	1,4301
8	Washer	1	1,0737	1,4301
9	Flange	2	1,0570	1,4044
10	Stem ring	1	POM	POM
11	Pin	1	1,0737	1,4301
12	Seeger	1	1,4301	1,4301
13	Adapter o-ring	4	NBR	NBR
14	Stem o-ring	1	NBR	NBR
15	Screw	1	ISO4017 8.8	ISO4017 A2





CODE DESCRIPTION STRUCTURE

GB	F3	DN32	2	2	1	1	A	B

Type and way of valve

GB 2-way

Ends

Valves dimension of pressure (PSI) F3	Valves dimension of pressure (PSI) F6
S3000	S6000

Size

from DN32 to DN50

Body Material

- **2** = 1,0570
- **4** = 1,4404

Adapter material

- **2** = 1,0570
- **4** = 1,4404

Stem material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Ball Material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

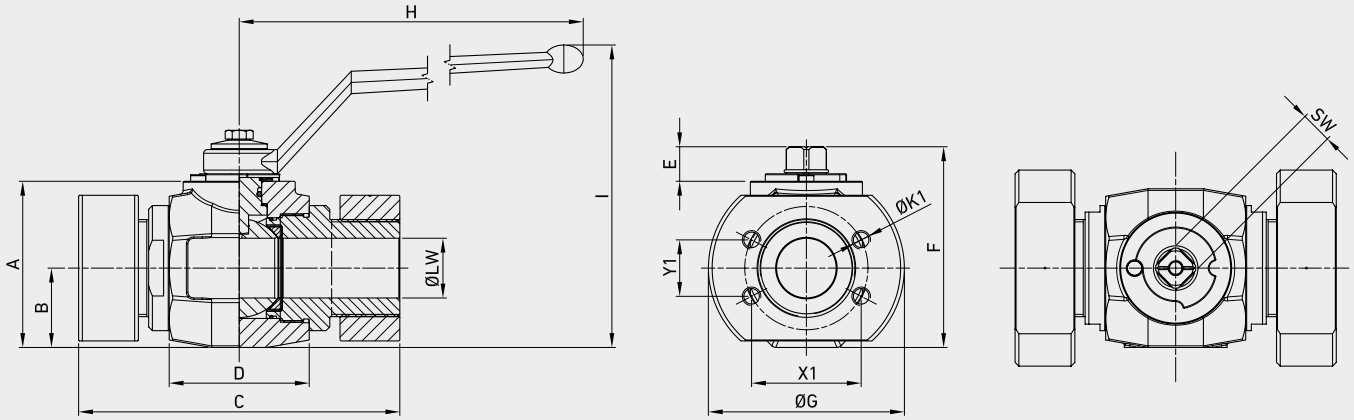
Seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN5000 Psi
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



GBF SAE J518 S3000 - F61

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK1	X1	Y1	SW	ØLW	WEIGHT	Carbon Steel ITEM CODE	Stainless Steel ITEM CODE
GBF3	32	MPa	28	mm	89	42,5	172	75	14	107,5	105	310	162	M10	58,7	30,2	17	32	kg 8,102	GB2FFC3L021A000	GB2FFC3L044A000
		Psi	4060	inch	3,50	1,67	6,77	2,95	0,55	4,23	4,13	12,20	6,38		2,31	1,19	0,67	1,26	lb 17,86		
GBF3	40	MPa	21	mm	106	52,5	176,5	85	14	124,5	120	310	180	M12	69,8	35,7	17	40	kg 11,142	GB2FFC4L021A000	GB2FFC4L044A000
		Psi	3045	inch	4,17	2,07	6,95	3,35	0,55	4,90	4,72	12,20	7,09		2,75	1,41	0,67	1,57	lb 24,56		
GBF3	50	MPa	21	mm	115,5	58,5	196	98	14	134	145	310	190	M12	77,8	42,9	17	50	kg 15,343	GB2FFC5L021A000	GB2FFC5L044A000
		Psi	3045	inch	4,55	2,30	7,72	3,86	0,55	5,28	5,71	12,20	7,48		3,06	1,69	0,67	1,97	lb 33,83		

GBF SAE J518 S3000 UNC - F61

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK1	X1	Y1	SW	ØLW	WEIGHT	Carbon Steel ITEM CODE	Stainless Steel ITEM CODE
GBF3	32	MPa	28	mm	89	42,5	172	75	14	107,5	98	310	163	7/16-14	58,7	30,2	17	32	kg 8,102	GB2FUC3L021A000	GB2FUC3L044A000
		Psi	4060	inch	3,50	1,67	6,77	2,95	0,55	4,23	3,86	12,20	6,42	UNC	2,31	1,19	0,67	1,26	lb 17,86		
GBF3	40	MPa	21	mm	106	52,5	176,5	85	14	124,5	113	310	180	1/2-13	69,8	35,7	17	40	kg 11,142	GB2FUC4L021A000	GB2FUC4L044A000
		Psi	3045	inch	4,17	2,07	6,95	3,35	0,55	4,90	4,45	12,20	7,09	UNC	2,75	1,41	0,67	1,57	lb 24,56		
GBF3	50	MPa	21	mm	115,5	58,5	196	98	14	134	123	310	190	1/2-13	77,8	42,9	17	50	kg 15,343	GB2FUC5L021A000	GB2FUC5L044A000
		Psi	3045	inch	4,55	2,30	7,72	3,86	0,55	5,28	4,84	12,20	7,48	UNC	3,06	1,69	0,67	1,97	lb 33,83		

GBF SAE J518 S6000 - F62

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK1	X1	Y1	SW	ØLW	WEIGHT	Carbon Steel ITEM CODE	Stainless Steel ITEM CODE
GBF6	32	MPa	42	mm	89	42,5	172	75	14	107,5	98	310	160	M12	66,7	31,8	17	32	kg 8,102	GB2FFC93021A000	GB2FFC93044A000
		Psi	6090	inch	3,50	1,67	6,77	2,95	0,55	4,23	3,86	12,20	6,30		2,63	1,25	0,67	1,26	lb 17,86		
GBF6	40	MPa	42	mm	106	52,5	176,5	85	14	124,5	113	310	180	M16	79,4	36,5	17	40	kg 11,142	GB2FFCA3021A000	GB2FFCA3044A000
		Psi	6090	inch	4,17	2,07	6,95	3,35	0,55	4,90	4,45	12,20	7,09		3,13	1,44	0,67	1,57	lb 24,56		
GBF6	50	MPa	42	mm	115,5	58,5	196	98	14	134	123	310	190	M20	96,8	44,5	17	50	kg 15,343	GB2FFCB3021A000	GB2FFCB3044A000
		Psi	6090	inch	4,55	2,30	7,72	3,86	0,55	5,28	4,84	12,20	7,48		3,81	1,75	0,67	1,97	lb 33,83		

GBF SAE J518 S6000 UNC - F62

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK1	X1	Y1	SW	ØLW	WEIGHT	Carbon Steel ITEM CODE	Stainless Steel ITEM CODE
GBF6	32	MPa	42	mm	89	42,5	172	75	14	107,5	98	310	163	1/2-13	66,7	31,8	17	32	kg 8,102	GB2FUC93021A000	GB2FUC93044A000
		Psi	6090	inch	3,50	1,67	6,77	2,95	0,55	4,23	3,86	12,20	6,42	UNC	2,63	1,25	0,67	1,26	lb 17,86		
GBF6	40	MPa	42	mm	106	52,5	176,5	85	14	124,5	113	310	180	5/8-11	79,4	36,5	17	40	kg 11,142	GB2FUCA3021A000	GB2FUCA3044A000
		Psi	6090	inch	4,17	2,07	6,95	3,35	0,55	4,90	4,45	12,20	7,09	UNC	3,13	1,44	0,67	1,57	lb 24,56		
GBF6	50	MPa	42	mm	115,5	58,5	196	98	14	134	123	310	190	3/4-10	96,8	44,5	17	50	kg 15,343	GB2FUCB3021A000	GB2FUCB3044A000
		Psi	6090	inch	4,55	2,30	7,72	3,86	0,55	5,28	4,84	12,20	7,48	UNC	3,81	1,75	0,67	1,97	lb 33,83		

GBS

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.2

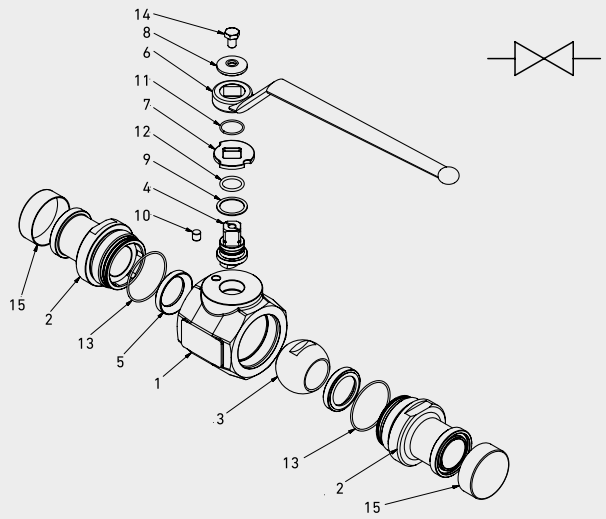
CS Carbon Steel

- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: SAE J518
- Pressure: up to PN420 / S6000
- Temp range: from -30°C to +100°C (body -46°C)

SS Stainless Steel

- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: SAE J518
- Pressure: up to PN420 / S6000
- Temp range: from -30°C to +100°C (body -46°C)

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0570	1,4404
2	Adapter	2	1,0570	1,4404
3	Ball	1	1,0737	1,4404
4	Stem	1	1,0737	1,4404
5	Ball seat	2	POM	POM
6	Handle	1	1,0116	1,0116
7	Washer	1	1,0116	1,4301
8	Washer	1	1,0737	1,4301
9	Stem ring	1	POM	POM
10	Pin	1	1,0737	1,4301
11	Seeger	1	1,4301	1,4301
12	Adapter o-ring	4	NBR	NBR
13	Stem o-ring	1	NBR	NBR
14	Screw	1	ISO4017 8.8	ISO4017 A2
15	Caps	2	PVC	PVC





CODE DESCRIPTION STRUCTURE

GB	S3	DN32	2	2	1	1	A	B

Type and way of valve

GB 2-way

Ends

Valves dimension of pressure (PSI) F3	Valves dimension of pressure (PSI) F6
S3000	S6000

Size

from DN32 to DN50

Body Material

- **2** = 1,0570
- **4** = 1,4404

Adapter material

- **2** = 1,0570
- **4** = 1,4404

Stem material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Ball Material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

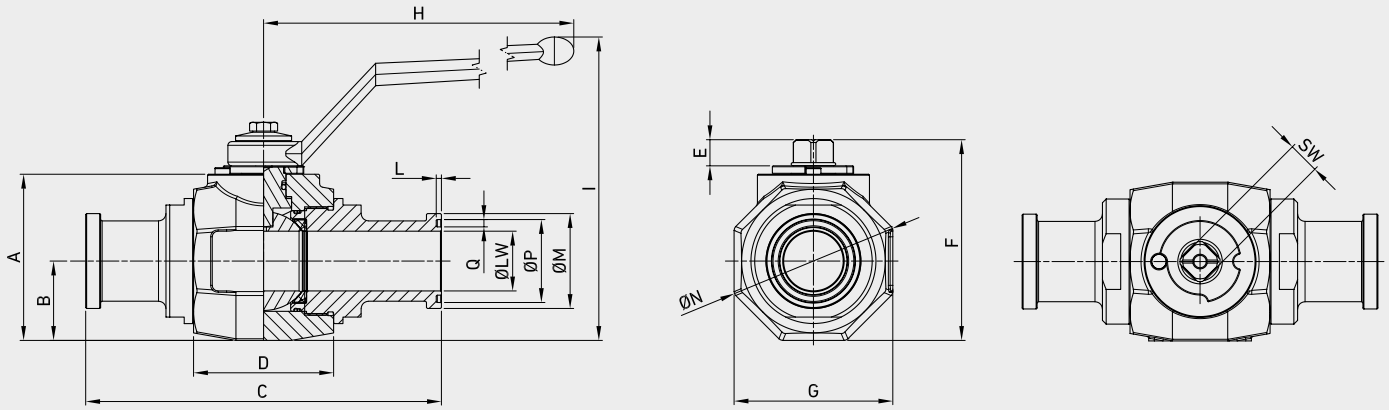
Seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN5000 Psi
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



GBS SAE J518 S3000 - C61

TYPE	DN	PN			A	B	C	D	E	F	G	H	I	L	ØM	ØN	ØP	Q	SW	ØLW	WEIGHT	Carbon Steel ITEM CODE	Stainless Steel ITEM CODE
GBS3	32	MPa	28	mm	89	42,5	190,5	75	14	107,5	85	310	162,5	2,79	50,8	91,5	44,45	3,94	17	32	kg 5,429	GB2SSC3L021A000	GB2SSC3L044A000
		Psi	4060	inch	3,50	1,67	7,50	2,95	0,55	4,23	3,35	12,20	6,40	0,11	2,00	3,60	1,75	0,16	0,67	1,26	lb 11,97		
GBS3	40	MPa	21	mm	106	52,5	230,5	85	14	124,5	105	310	180	2,79	60,26	112	53,72	3,94	17	40	kg 8,265	GB2SSC4L021A000	GB2SSC4L044A000
		Psi	3045	inch	4,17	2,07	9,07	3,35	0,55	4,90	4,13	12,20	7,09	0,11	2,37	4,41	2,11	0,16	0,67	1,57	lb 18,22		
GBS3	50	MPa	21	mm	115,5	58,5	232	98	14	134	117	310	190	2,79	71,4	126	63,25	3,94	17	50	kg 9,865	GB2SSC5L021A000	GB2SSC5L044A000
		Psi	3045	inch	4,55	2,30	9,13	3,86	0,55	5,28	4,61	12,20	7,48	0,11	2,81	4,96	2,49	0,16	0,67	1,97	lb 21,75		

GBS3 SAE J518 S3000 EXTRA LONG - C61

TYPE	DN	PN			A	B	C	D	E	F	G	H	I	L	ØM	ØN	ØP	Q	SW	ØLW	WEIGHT	Carbon Steel ITEM CODE
GBS3	32	MPa	28	mm	89	42,5	275	75	14	107,5	85	310	162,5	2,79	50,8	91,5	44,45	3,94	17	30	kg 5,206	GB2SXC3L021A000
		Psi	4060	inch	3,50	1,67	10,83	2,95	0,55	4,23	3,35	12,20	6,40	0,11	2,00	3,60	1,75	0,16	0,67	1,18	lb 11,48	
GBS3	40	MPa	21	mm	106	52,5	321	85	14	124,5	105	310	180	2,79	60,33	112	53,72	3,94	17	38	kg 8,323	GB2SXC4L021A000
		Psi	3045	inch	4,17	2,07	12,64	3,35	0,55	4,90	4,13	12,20	7,09	0,11	2,38	4,41	2,11	0,16	0,67	1,50	lb 18,35	
GBS3	50	MPa	21	mm	115,5	58,5	323	97,85	14	134	117	310	190	2,79	71,4	126	63,25	3,94	17	48	kg 10,097	GB2SXC5L021A000
		Psi	3045	inch	4,55	2,30	12,72	3,85	0,55	5,28	4,61	12,20	7,48	0,11	2,81	4,96	2,49	0,16	0,67	1,89	lb 22,26	

GBS SAE J518 S6000 - C62

TYPE	DN	PN			A	B	C	D	E	F	G	H	I	L	ØM	ØN	ØP	Q	SW	ØLW	WEIGHT		Carbon Steel (CS) ITEM CODE	Stainless Steel (SS) ITEM CODE
GBS6	32	MPa	42	mm	89	42,5	223	75	14	107,5	85	310	162,5	2,79	54	91,5	44,45	3,94	17	32	kg	5,828	GB2SSC93021A000	GB2SSC93044A000
		Psi	6090	inch	3,50	1,67	8,78	2,95	0,55	4,23	3,35	12,20	6,40	0,11	2,13	3,60	1,75	0,16	0,67	1,26	lb	12,85		
GBS6	40	MPa	42	mm	106	52,5	281	85	14	124,5	105	310	180	2,79	63,46	112	53,67	3,94	17	40	kg	8,251	GB2SSCA3021A000	GB2SSCA3044A000
		Psi	6090	inch	4,17	2,07	11,06	3,35	0,55	4,90	4,13	12,20	7,09	0,11	2,50	4,41	2,11	0,16	0,67	1,57	lb	18,19		
GBS6	50	MPa	42	mm	115,5	58,5	316	98	14	134	117	310	190	2,79	79,4	126	63,25	3,94	17	50	kg	11,774	GB2SSCB3021A000	GB2SSCB3044A000
		Psi	6090	inch	4,55	2,30	12,44	3,86	0,55	5,28	4,61	12,20	7,48	0,11	3,13	4,96	2,49	0,16	0,67	1,97	lb	25,96		

GBS6 SAE J518 S6000 EXTRA LONG - C62

TYPE	DN	PN			A	B	C	D	E	F	G	H	I	L	ØM	ØN	ØP	Q	SW	ØLW	WEIGHT		Carbon Steel (CS) ITEM CODE
GBS6	32	MPa	42	mm	89	42,5	322	75	14	107,5	85	310	162,5	2,79	54	91,5	44,45	3,94	17	32	kg	5,828	GB2SXC93021A000
		Psi	6090	inch	3,50	1,67	12,68	2,95	0,55	4,23	3,35	12,20	6,40	0,11	2,13	3,60	1,75	0,16	0,67	1,26	lb	12,85	
GBS6	40	MPa	42	mm	106	52,5	380	85	14	124,5	105	310	180	2,79	63,46	112	53,72	3,94	17	38	kg	8,47	GB2SXCA3021A000
		Psi	6090	inch	4,17	2,07	14,96	3,35	0,55	4,90	4,13	12,20	7,09	0,11	2,50	4,41	2,11	0,16	0,67	1,50	lb	18,67	
GBS6	50	MPa	42	mm	115,5	58,5	385	97,85	14	134	117	310	190	2,79	79,4	126	63,25	3,94	17	48	kg	12,058	GB2SXCB3021A000
		Psi	6090	inch	4,55	2,30	15,16	3,85	0,55	5,28	4,61	12,20	7,48	0,11	3,13	4,96	2,49	0,16	0,67	1,89	lb	26,58	

GBF-S

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.2

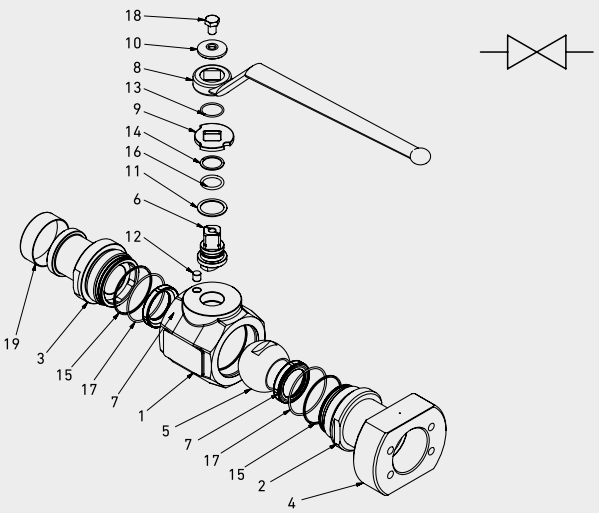
CS Carbon Steel

- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: ISO6162-1/-2, SAEJ518-1/-2
- Pressure: up to PN420 / S6000
- Temp range: from -30°C to +100°C (body -46°C)

SS Stainless Steel

- Type: forged ball valve 2 way
- Sizes: from DN32 up to DN50
- Ends: ISO6162-1/-2, SAEJ518-1/-2
- Pressure: up to PN420 / S6000
- Temp range: from -30°C to +100°C (body -46°C)

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0570	1,4404
2	Adapter	1	1,0570	1,4404
3	Plug	1	1,0570	1,4404
4	Flange	1	1,0570	1,4404
5	Ball	1	1,0737	1,4440
6	Stem	1	1,0737	1,4404
7	Ball seat	2	POM	POM
8	Handle	1	1,0116	1,0116
9	Washer	1	1,0116	1,4404
10	Washer	1	1,0737	1,4404
11	Stem ring	1	POM	POM
12	Pin	1	1,0737	1,4404
13	Seeger	1	1,4301	1,4301
14	Stem back up	1	PTFE	PTFE
15	Adapter back up	2	PTFE	PTFE
16	Stem o ring	1	NBR	NBR
17	Adapter o ring	2	NBR	NBR
18	Screw	1	ISO4017 8.8	ISO4017 8.8
19	Cap	1	PVC	PVC





CODE DESCRIPTION STRUCTURE

GB	F3-S3	DN32	2	2	1	1	A	B

Type and way of valve

GB 2-way

Ends

Valves dimension of pressure (PSI) F3/S3	Valves dimension of pressure (PSI) F6/S6
S3000	S6000

Size

from DN32 to DN50

Body Material

- **2** = 1,0570
- **4** = 1,4404

Adapter material

- **2** = 1,0570
- **4** = 1,4404

Stem material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Ball Material

- **1** = 1,0737 **4** = 1,4404*
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

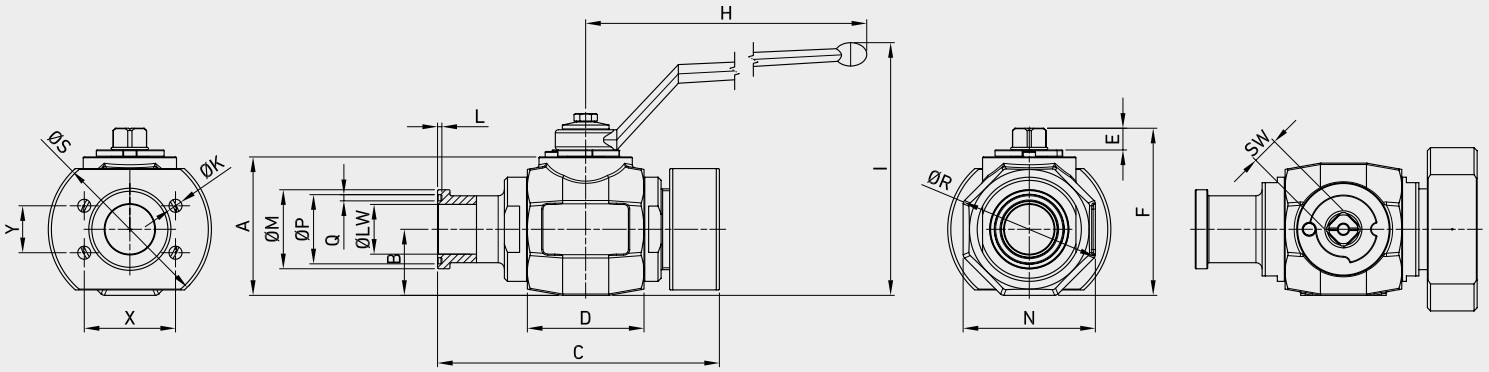
Seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN5000 Psi
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



GBFS3

TYPE	DN	PN		A	B	C	D	E	F	H	I	L	ØK	ØM	N	ØP	Q	ØR	ØS	X	Y	SW	ØLW	WEIGHT	Carbon Steel ITEM CODE	Stainless Steel ITEM CODE
GBFS3	32	MPa	28	mm	89	42,5	181,2	75	14	107,5	310	162,5	2,79	M10	50,8	85	44,45	3,94	91,5	105	58,7	30,2	17	32	kg	5,955	GB2SFC3L021A000	GB2SFC3L044A000
		Psi	4060	inch	3,50	1,67	7,14	2,95	0,55	4,23	12,20	6,40	0,11		2,00	3,35	1,75	0,16	3,60	4,13	2,31	1,19	0,67	1,26	lb	13,13		
GBFS3	40	MPa	21	mm	106	52,5	203,5	85	14	124,5	310	180	2,79	M12	60,33	105	53,72	3,94	112,8	120	69,8	35,7	17	38	kg	9,118	GB2SFC4L021A000	GB2SFC4L044A000
		Psi	3045	inch	4,17	2,07	8,01	3,35	0,55	4,90	12,20	7,09	0,11		2,38	4,13	2,11	0,16	4,44	4,72	2,75	1,41	0,67	1,50	lb	20,10		
GBFS3	50	MPa	21	mm	115,5	58,5	214	97,85	14	134	310	190	2,79	M12	71,42	117	63,25	3,94	125,8	145	77,8	42,9	17	48	kg	12,032	GB2SFC5L021A000	GB2SFC5L044A000
		Psi	3045	inch	4,55	2,30	8,43	3,85	0,55	5,28	12,20	7,48	0,11		2,81	4,61	2,49	0,16	4,95	5,71	3,06	1,69	0,67	1,89	lb	26,53		

GBFS3 U

TYPE	DN	PN		A	B	C	D	E	F	H	I	L	ØK	ØM	N	ØP	Q	ØR	ØS	X	Y	SW	ØLW	WEIGHT	Carbon Steel ITEM CODE	Stainless Steel ITEM CODE
GBFS3	32	MPa	28	mm	89	42,5	181,2	75	14	107,5	310	162,5	2,79	7/16-14	50,8	85	44,45	3,94	91,5	105	58,7	30,2	17	32	kg	5,955	GB2S0C3L021A000	GB2S0C3L044A000
		Psi	4060	inch	3,50	1,67	7,14	2,95	0,55	4,23	12,20	6,40	0,11	UNC	2,00	3,35	1,75	0,16	3,60	4,13	2,31	1,19	0,67	1,26	lb	13,13		
GBFS3	40	MPa	21	mm	106	52,5	203,5	85	14	124,5	310	180	2,79	1/2-13	60,33	105	53,72	3,94	112,8	120	69,8	35,7	17	38	kg	9,118	GB2S0C4L021A000	GB2S0C4L044A000
		Psi	3045	inch	4,17	2,07	8,01	3,35	0,55	4,90	12,20	7,09	0,11	UNC	2,38	4,13	2,11	0,16	4,44	4,72	2,75	1,41	0,67	1,50	lb	20,10		
GBFS3	50	MPa	21	mm	115,5	58,5	214	97,85	14	134	310	190	2,79	1/2-13	71,42	117	63,25	3,94	125,8	145	77,8	42,9	17	48	kg	12,03	GB2S0C5L021A000	GB2S0C5L044A000
		Psi	3045	inch	4,55	2,30	8,43	3,85	0,55	5,28	12,20	7,48	0,11	UNC	2,81	4,61	2,49	0,16	4,95	5,71	3,06	1,69	0,67	1,89	lb	26,53		

The company reserves the right to operate dimensional changes without prior notice.

GBFS6

TYPE	DN	PN		A	B	C	D	E	F	H	I	L	ØK	ØM	N	ØP	Q	ØR	ØS	X	Y	SW	ØLW	WEIGHT	CS Carbon Steel ITEM CODE	SS Stainless Steel ITEM CODE
GBFS6	32	MPa	42	mm	89	42,5	197,5	75	14	107,5	310	162,5	2,79	M12	54	85	44,45	3,94	91,5	105	66,7	31,8	17	32	kg 6,145	GB2SFC93021A000	GB2SFC93044A000
		Psi	6090	inch	3,50	1,67	7,78	2,95	0,55	4,23	12,20	6,40	0,11		2,13	3,35	1,75	0,16	3,60	4,13	2,63	1,25	0,67	1,26	lb 13,55		
GBFS6	40	MPa	42	mm	106	52,5	228,5	85	14	124,5	310	180	2,79	M16	63,5	105	53,72	3,94	112,8	120	79,4	36,5	17	38	kg 9,085	GB2SFCA3021A000	GB2SFCA3044A000
		Psi	6090	inch	4,17	2,07	9,00	3,35	0,55	4,90	12,20	7,09	0,11		2,50	4,13	2,11	0,16	4,44	4,72	3,13	1,44	0,67	1,50	lb 20,03		
GBFS6	50	MPa	42	mm	115,5	58,5	256	97,85	14	134	310	190	2,79	M20	79,4	117	63,25	3,94	125,8	145	96,8	44,5	17	48	kg 12,858	GB2SFCB3021A000	GB2SFCB3044A000
		Psi	6090	inch	4,55	2,30	10,08	3,85	0,55	5,28	12,20	7,48	0,11		3,13	4,61	2,49	0,16	4,95	5,71	3,81	1,75	0,67	1,89	lb 28,35		

GBFS6 U

TYPE	DN	PN		A	B	C	D	E	F	H	I	L	ØK	ØM	N	ØP	Q	ØR	ØS	X	Y	SW	ØLW	WEIGHT	CS Carbon Steel ITEM CODE	SS Stainless Steel ITEM CODE
GBFS6	32	MPa	42	mm	89	42,5	197,5	75	14	107,5	310	162,5	2,79	1/2-13	54	85	44,45	3,94	91,5	105	66,7	31,8	17	32	kg 6,145	GB2S0C93021A000	GB2S0C93044A000
		Psi	6090	inch	3,50	1,67	7,78	2,95	0,55	4,23	12,20	6,40	0,11	UNC	2,13	3,35	1,75	0,16	3,60	4,13	2,63	1,25	0,67	1,26	lb 13,55		
GBFS6	40	MPa	42	mm	106	52,5	228,5	85	14	124,5	310	180	2,79	5/8-11	63,5	105	53,72	3,94	112,8	120	79,4	36,5	17	38	kg 9,085	GB2S0CA3021A000	GB2S0CA3044A000
		Psi	6090	inch	4,17	2,07	9,00	3,35	0,55	4,90	12,20	7,09	0,11	UNC	2,50	4,13	2,11	0,16	4,44	4,72	3,13	1,44	0,67	1,50	lb 20,03		
GBFS6	50	MPa	42	mm	115,5	58,5	256	97,85	14	134	310	190	2,79	3/4-10	79,4	117	63,25	3,94	125,8	145	96,8	44,5	17	48	kg 12,885	GB2S0CB3021A000	GB2S0CB3044A000
		Psi	6090	inch	4,55	2,30	10,08	3,85	0,55	5,28	12,20	7,48	0,11	UNC	3,13	4,61	2,49	0,16	4,95	5,71	3,81	1,75	0,67	1,89	lb 28,41		

GV2

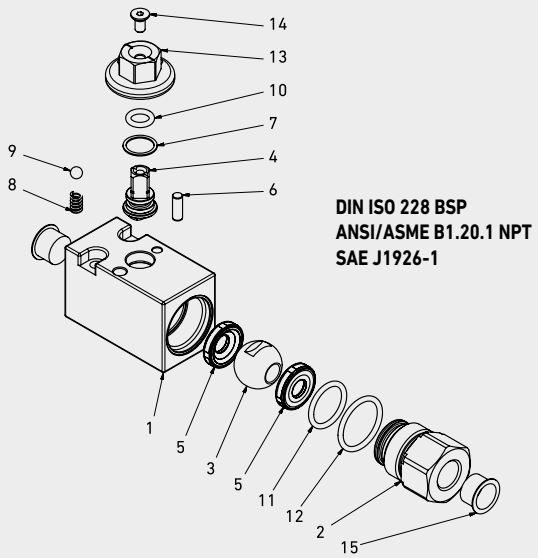
2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.1

CS Carbon Steel

- Type: ball valve 2 way
- Sizes: from DN10 up to DN32
- Ends: BSP-NPT-SAE / ISO6162-1
- Pressure: up to PN500 / S6000
- Temp range: from -20°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Adapter	1	1,0737
3	Ball	1	1,0737
4	Stem	1	1,0737
5	Ball seat	2	POM
6	Pin	1	1,0737
7	Stem ring	1	POM
8	Spring UNI17223-1	1	1,0116
9	Spring ball	1	1,0116
10	Stem o-ring	1	FKM
11	Adapter o-ring	1	FKM
12	Adapter o-ring	1	FKM
13	Washer	1	1,0737
14	Screw	1	DIN 7991 8.8
15	Caps	2	PVC





CODE DESCRIPTION STRUCTURE

GV2	G 1/2	DN13	1	1	1	1	A	B

Type and way of valve

GV2 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1	ISO6162
G 3/8	N 3/8	SAE6	S6000
G 1/2	N 1/2	SAE8	
G 3/4	N 3/4	SAE12	
G 1	N 1	SAE16	
G 1 1/4 R	N 1 1/4 R	SAE20R	
G 1 1/4	N 1 1/4	SAE20	

Size

from DN10 to DN32

Body Material

● **1** = 1,0737

Adapter material

● **1** = 1,0737

Stem material

● **1** = 1,0737

Ball Material

● **1** = 1,0737

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

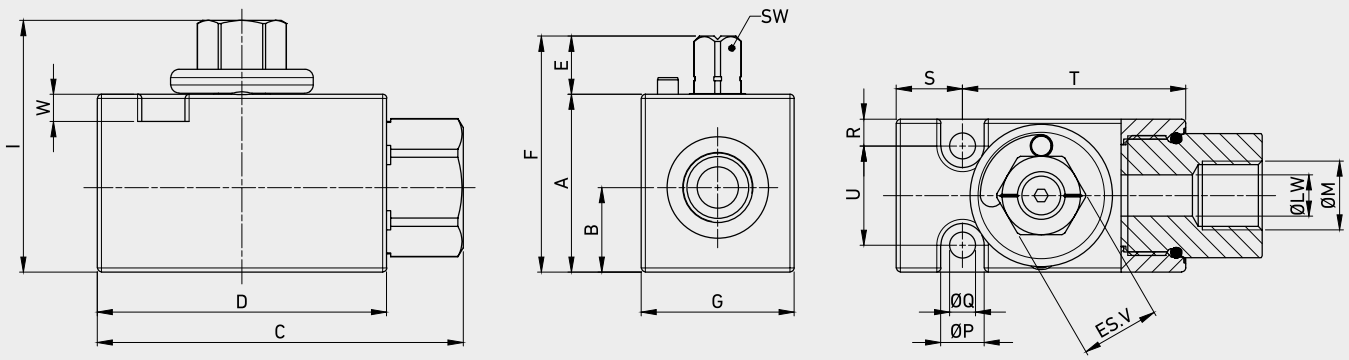
Seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN50 Mpa
- Pressure class up to PN6000 Psi
- Locking device

For further special requests please consult our technical/commercial service.



GV2 DIN/ISO 228 BSP

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	E	ES.V	F	G	I	ØM	ØP	ØQ	R	S	T	U	W	SW	ØLW	WEIGHT		ITEM CODE
GV2 G 3/8	10	MPa	50	mm	43	20,4	88,5	70	14,1	19	57,1	37	60,9	G 3/8	10,5	6,25	6,5	16	54	24	6,6	9	10	kg	0,919	GV2GGT25011B000
		Psi	7250	inch	1,69	0,80	3,48	2,76	0,56	0,75	2,25	1,46	2,40		0,41	0,25	0,26	0,63	2,13	0,94	0,26	0,35	0,39	lb	2,03	
GV2 G 1/2	13	MPa	50	mm	45	21,7	103,5	80	14,1	19	59,1	45	62,9	G 1/2	10,5	6,25	6,5	23	57	32	6,6	9	13	kg	1,307	GV2GGT35011B000
		Psi	7250	inch	1,77	0,85	4,07	3,15	0,56	0,75	2,33	1,77	2,48		0,41	0,25	0,26	0,91	2,24	1,26	0,26	0,35	0,51	lb	2,88	
GV2 G 3/4	20	MPa	50	mm	55	23,4	129,5	101	18,5	24	73,5	55	78	G 3/4	13,5	9	7,5	25,5	75,5	40	8	14	20	kg	2,424	GV2GGT45011B000
		Psi	7250	inch	2,17	0,92	5,10	3,98	0,73	0,94	2,89	2,17	3,07		0,53	0,35	0,30	1,00	2,97	1,57	0,31	0,55	0,79	lb	5,34	
GV2 G 1	25	MPa	50	mm	65	29,5	133,5	105	18,5	24	83,5	65	88	G 1	13,5	9	8,5	27,5	77,5	48	8	14	25	kg	3,446	GV2GGT55011B000
		Psi	7250	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb	7,60	
GV2 G 1 1/4 R	25	MPa	50	mm	65	29,5	133,5	105	18,5	24	83,5	65	88	G 1 1/4 R	13,5	9	8,5	27,5	77,5	48	8	14	25	kg	3,265	GV2GGR65011B000
		Psi	7250	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb	7,20	
GV2 G 1 1/4	32	MPa	50	mm	80	33,5	133,5	105	18,5	30	98,5	80	104	G 1 1/4	13,5	9	10	24,5	80,5	60	8	17	32	kg	4,991	GV2GGT65011B000
		Psi	7250	inch	3,15	1,32	5,26	4,13	0,73	1,18	3,88	3,15	4,09		0,53	0,35	0,39	0,96	3,17	2,36	0,31	0,67	1,26	lb	11,00	

GV2 ANSI/ASME B1.20.1 NPT

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	E	ES.V	F	G	I	ØM	ØP	ØQ	R	S	T	U	W	SW	ØLW	WEIGHT	ITEM CODE
GV2 N 3/8	10	MPa	50	mm	43	20,4	88,5	70	14,1	19	57,1	37	60,9	N 3/8	10,5	6,25	6,5	16	54	24	6,6	9	10	kg 0,919	GV2NNT25011B000
		Psi	7250	inch	1,69	0,80	3,48	2,76	0,56	0,75	2,25	1,46	2,40		0,41	0,25	0,26	0,63	2,13	0,94	0,26	0,35	0,39	lb 2,03	
GV2 N 1/2	13	MPa	50	mm	45	21,7	103,5	80	14,1	19	59,1	45	62,9	N 1/2	10,5	6,25	6,5	23	57	32	6,6	9	13	kg 1,307	GV2NNT35011B000
		Psi	7250	inch	1,77	0,85	4,07	3,15	0,56	0,75	2,33	1,77	2,48		0,41	0,25	0,26	0,91	2,24	1,26	0,26	0,35	0,51	lb 2,88	
GV2 N 3/4	20	MPa	50	mm	55	23,4	129,5	101	18,5	24	73,5	55	78	N 3/4	13,5	9	7,5	25,5	75,5	40	8	14	20	kg 2,424	GV2NNT45011B000
		Psi	7250	inch	2,17	0,92	5,10	3,98	0,73	0,94	2,89	2,17	3,07		0,53	0,35	0,30	1,00	2,97	1,57	0,31	0,55	0,79	lb 5,34	
GV2 N 1	25	MPa	50	mm	65	29,5	133,5	105	18,5	24	83,5	65	88	N 1	13,5	9	8,5	27,5	77,5	48	8	14	25	kg 3,446	GV2NNT55011B000
		Psi	7250	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb 7,60	
GV2 N 1 1/4 R	25	MPa	50	mm	65	29,5	133,5	105	18,5	24	83,5	65	88	N 1 1/4 R	13,5	9	8,5	27,5	77,5	48	8	14	25	kg 3,265	GV2NNR65011B000
		Psi	7250	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb 7,20	
GV2 N 1 1/4	32	MPa	50	mm	80	33,5	133,5	105	18,5	30	98,5	80	104	N 1 1/4	13,5	9	10	24,5	80,5	60	8	17	32	kg 4,991	GV2NNT65011B000
		Psi	7250	inch	3,15	1,32	5,26	4,13	0,73	1,18	3,88	3,15	4,09		0,53	0,35	0,39	0,96	3,17	2,36	0,31	0,67	1,26	lb 11,00	

GV2 SAE J1926-1

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	E	ES.V	F	G	I	ØM	ØP	ØQ	R	S	T	U	W	SW	ØLW	WEIGHT	ITEM CODE
GV2 SAE6	10	MPa	50	mm	43	20,4	88,5	70	14,1	19	57,1	37	60,9	SAE 6	10,5	6,25	6,5	16	54	24	6,6	9	10	kg 0,919	GV2EEE15011B000
		Psi	7250	inch	1,69	0,80	3,48	2,76	0,56	0,75	2,25	1,46	2,40		0,41	0,25	0,26	0,63	2,13	0,94	0,26	0,35	0,39	lb 2,03	
GV2 SAE8	13	MPa	50	mm	45	21,7	103,5	80	14,1	19	59,1	45	62,9	SAE 8	10,5	6,25	6,5	23	57	32	6,6	9	13	kg 1,307	GV2EEE25011B000
		Psi	7250	inch	1,77	0,85	4,07	3,15	0,56	0,75	2,33	1,77	2,48		0,41	0,25	0,26	0,91	2,24	1,26	0,26	0,35	0,51	lb 2,88	
GV2 SAE12	20	MPa	50	mm	55	23,4	129,5	101	18,5	24	73,5	55	78	SAE 12	13,5	9	7,5	25,5	75,5	40	8	14	20	kg 2,424	GV2EEE35011B000
		Psi	7250	inch	2,17	0,92	5,10	3,98	0,73	0,94	2,89	2,17	3,07		0,53	0,35	0,30	1,00	2,97	1,57	0,31	0,55	0,79	lb 5,34	
GV2 SAE16	25	MPa	50	mm	65	29,5	133,5	105	18,5	24	83,5	65	88	SAE 16	13,5	9	8,5	27,5	77,5	48	8	14	25	kg 3,446	GV2EEE45011B000
		Psi	7250	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb 7,60	
GV2 SAE20R	25	MPa	50	mm	65	29,5	133,5	105	18,5	24	83,5	65	88	SAE 20R	13,5	9	8,5	27,5	77,5	48	8	14	25	kg 3,265	GV2EEE85011B000
		Psi	7250	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb 7,20	
GV2 SAE20	32	MPa	50	mm	80	33,5	133,5	105	18,5	30	98,5	80	104	SAE 20	13,5	9	10	24,5	80,5	60	8	17	32	kg 4,991	GV2EEE55011B000
		Psi	7250	inch	3,15	1,32	5,26	4,13	0,73	1,18	3,88	3,15	4,09		0,53	0,35	0,39	0,96	3,17	2,36	0,31	0,67	1,26	lb 11,00	

GV3

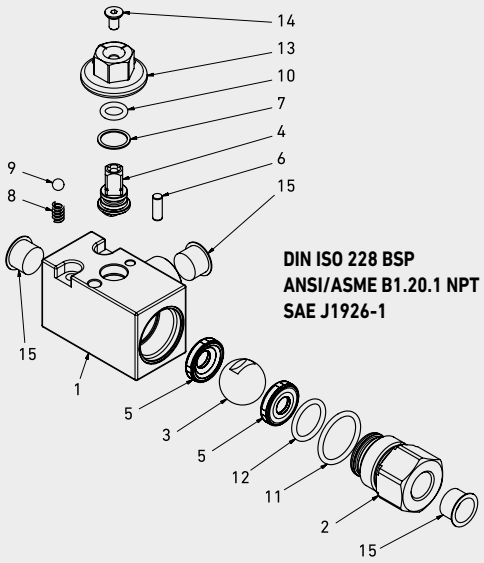
3-WAY HIGH PRESSURE BALL VALVES

Edition. 21.1

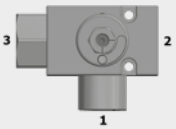
CS Carbon Steel

- Type: ball valve 3 way
- Sizes: from DN10 up to DN32
- Ends: BSP-NPT-SAE / ISO6162-1
- Pressure: up to PN500 / S6000
- Temp range: from -20°C to +100°C

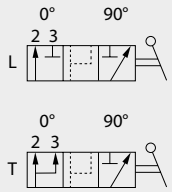
STANDARD COMPOSITION OF VALVE



DIN ISO 228 BSP
ANSI/ASME B1.20.1 NPT
SAE J1926-1



WARNING!
Pressure inlet only from center port 1



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Adapter	1	1,0737
3	Ball	1	1,0737
4	Stem	1	1,0737
5	Ball seat	2	POM
6	Pin	1	1,0737
7	Stem ring	1	POM
8	Spring UNI17223-1	1	1,0116
9	Spring ball	1	1,0116
10	Stem o-ring	1	FKM
11	Adapter o-ring	1	FKM
12	Adapter o-ring	1	FKM
13	Washer	1	1,0737
14	Screw	1	DIN 7991 8.8
15	Caps	2	PVC





CODE DESCRIPTION STRUCTURE

GV3	G 1/2	DN13	1	1	1	1	A	B

Type and way of valve

GV3 3-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1	ISO6162
G 3/8	N 3/8	SAE6	S6000
G 1/2	N 1/2	SAE8	
G 3/4	N 3/4	SAE12	
G 1	N 1	SAE16	
G 1 1/4 R	N 1 1/4 R	SAE20R	
G 1 1/4	N 1 1/4	SAE20	

Size

from DN10 to DN32

Body Material

● **1** = 1,0737

Adapter material

● **1** = 1,0737

Stem material

● **1** = 1,0737

Ball Material

● **1** = 1,0737

Seat material

A = POM **D** = PEEK* **K** = GEMPTFE* **C** = PTFE*

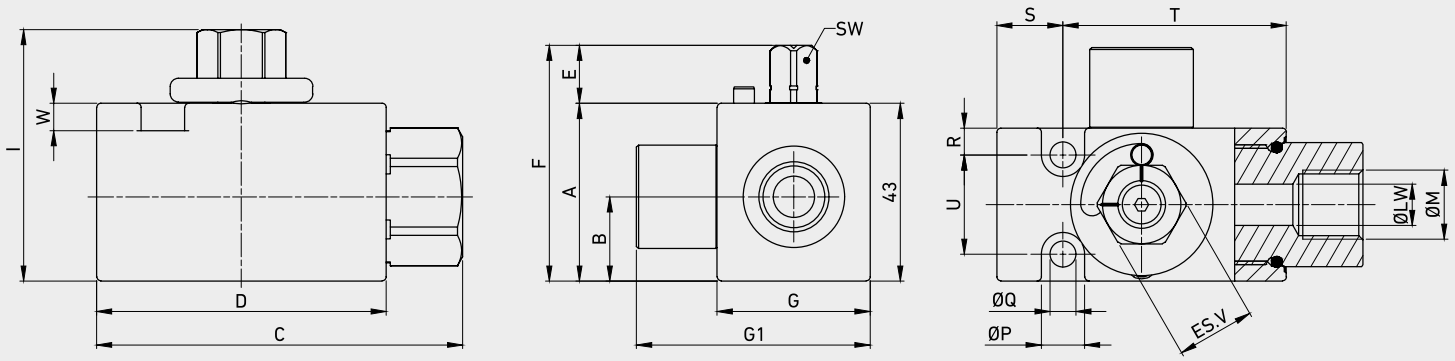
Seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

- Reduced bore
- Special threads
- Pressure class up to PN50 Mpa
- Pressure class up to PN6000 Psi
- Locking device

For further special requests please consult our technical/commercial service.



GV3 DIN/ISO 228 BSP

CS Carbon Steel

TYPE	DN	PN		A	B	C	D	E	ES.V	F	G	G1	I	ØM	ØP	ØQ	R	S	T	U	W	SW	ØLW	WEIGHT	ITEM CODE
GV3 G 3/8	10	MPa	50	mm	43	20,4	88,5	70	14,1	19	57,1	37	61	60,9	G 3/8	10,5	6,25	6,5	16	54	24	6,6	9	10	kg	1,15	GV3GGT24011B000
		Psi	7250	inch	1,69	0,80	3,48	2,76	0,56	0,75	2,25	1,46	2,40	2,40		0,41	0,25	0,26	0,63	2,13	0,94	0,26	0,35	0,39	lb	2,54	
GV3 G 1/2	13	MPa	50	mm	45	21,7	103,5	80	14,1	19	59,1	45	66,5	62,9	G 1/2	10,5	6,25	6,5	23	57	32	6,6	9	13	kg	1,362	GV3GGT33011B000
		Psi	7250	inch	1,77	0,85	4,07	3,15	0,56	0,75	2,33	1,77	2,62	2,48		0,41	0,25	0,26	0,91	2,24	1,26	0,26	0,35	0,51	lb	3,00	
GV3 G 3/4	20	MPa	35	mm	55	23,4	129,5	101	18,5	24	73,5	55	85	78	G 3/4	13,5	9	7,5	25,5	75,5	40	8	14	20	kg	2,51	GV3GGT43011B000
		Psi	5075	inch	2,17	0,92	5,10	3,98	0,73	0,94	2,89	2,17	3,35	3,07		0,53	0,35	0,30	1,00	2,97	1,57	0,31	0,55	0,79	lb	5,53	
GV3 G 1	25	MPa	35	mm	65	29,5	133,5	105	18,5	24	83,5	65	97,5	88	G 1	13,5	9	8,5	27,5	77,5	48	8	14	25	kg	3,564	GV3GGT53011B000
		Psi	5075	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,84	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb	7,86	
GV3 G 1 1/4 R	25	MPa	35	mm	65	29,5	133,5	105	18,5	24	83,5	65	99	88	G 1 1/4 R	13,5	9	8,5	27,5	77,5	48	8	14	25	kg	3,485	GV3GGR63011B000
		Psi	5075	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,90	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb	7,68	
GV3 G 1 1/4	32	MPa	35	mm	80	33,5	133,5	105	18,5	30	98,5	80	118	104	G 1 1/4	13,5	9	10	24,5	80,5	60	8	17	32	kg	5,32	GV3GGT63011B000
		Psi	5075	inch	3,15	1,32	5,26	4,13	0,73	1,18	3,88	3,15	4,65	4,09		0,53	0,35	0,39	0,96	3,17	2,36	0,31	0,67	1,26	lb	11,73	

GV3 ANSI/ASME B1.20.1 NPT

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	E	ES.V	F	G	G1	I	ØM	ØP	ØQ	R	S	T	U	W	SW	ØLW	WEIGHT	ITEM CODE
GV3 N 3/8	10	MPa	50	mm	43	20,4	88,5	70	14,1	19	57,1	37	61	60,9	N 3/8	10,5	6,25	6,5	16	54	24	6,6	9	10	kg 1,15	GV3NNT24011B000
		Psi	7250	inch	1,69	0,80	3,48	2,76	0,56	0,75	2,25	1,46	2,40	2,40		0,41	0,25	0,26	0,63	2,13	0,94	0,26	0,35	0,39	lb 2,54	
GV3 N 1/2	13	MPa	50	mm	45	21,7	103,5	80	14,1	19	59,1	45	66,5	62,9	N 1/2	10,5	6,25	6,5	23	57	32	6,6	9	13	kg 1,362	GV3NNT33011B000
		Psi	7250	inch	1,77	0,85	4,07	3,15	0,56	0,75	2,33	1,77	2,62	2,48		0,41	0,25	0,26	0,91	2,24	1,26	0,26	0,35	0,51	lb 3,00	
GV3 N 3/4	20	MPa	35	mm	55	23,4	129,5	101	18,5	24	73,5	55	85	78	N 3/4	13,5	9	7,5	25,5	75,5	40	8	14	20	kg 2,51	GV3NNT43011B000
		Psi	5075	inch	2,17	0,92	5,10	3,98	0,73	0,94	2,89	2,17	3,35	3,07		0,53	0,35	0,30	1,00	2,97	1,57	0,31	0,55	0,79	lb 5,53	
GV3 N 1	25	MPa	35	mm	65	29,5	133,5	105	18,5	24	83,5	65	97,5	88	N 1	13,5	9	8,5	27,5	77,5	48	8	14	25	kg 3,564	GV3NNT53011B000
		Psi	5075	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,84	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb 7,86	
GV3 N 1 1/4 R	25	MPa	35	mm	65	29,5	133,5	105	18,5	24	83,5	65	99	88	N 1 1/4 R	13,5	9	8,5	27,5	77,5	48	8	14	25	kg 3,485	GV3NNR63011B000
		Psi	5075	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,90	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb 7,68	
GV3 N 1 1/4	32	MPa	35	mm	80	33,5	133,5	105	18,5	30	98,5	80	118	104	N 1 1/4	13,5	9	10	24,5	80,5	60	8	17	32	kg 5,32	GV3NNT63011B000
		Psi	5075	inch	3,15	1,32	5,26	4,13	0,73	1,18	3,88	3,15	4,65	4,09		0,53	0,35	0,39	0,96	3,17	2,36	0,31	0,67	1,26	lb 11,73	

GV3 SAE J1926-1

CS Carbon Steel

TYPE	DN	PN			A	B	C	D	E	ES.V	F	G	G1	I	ØM	ØP	ØQ	R	S	T	U	W	SW	ØLW	WEIGHT	ITEM CODE
GV3 SAE6	10	MPa	50	mm	43	20,4	88,5	70	14,1	19	57,1	37	61	60,9	SAE 6	10,5	6,25	6,5	16	54	24	6,6	9	10	kg 1,15	GV3EEE14011B000
		Psi	7250	inch	1,69	0,80	3,48	2,76	0,56	0,75	2,25	1,46	2,40	2,40		0,41	0,25	0,26	0,63	2,13	0,94	0,26	0,35	0,39	lb 2,54	
GV3 SAE8	13	MPa	50	mm	45	21,7	103,5	80	14,1	19	59,1	45	66,5	62,9	SAE 8	10,5	6,25	6,5	23	57	32	6,6	9	13	kg 1,362	GV3EEE23011B000
		Psi	7250	inch	1,77	0,85	4,07	3,15	0,56	0,75	2,33	1,77	2,62	2,48		0,41	0,25	0,26	0,91	2,24	1,26	0,26	0,35	0,51	lb 3,00	
GV3 SAE12	20	MPa	35	mm	55	23,4	129,5	101	18,5	24	73,5	55	85	78	SAE 12	13,5	9	7,5	25,5	75,5	40	8	14	20	kg 2,51	GV3EEE33011B000
		Psi	5075	inch	2,17	0,92	5,10	3,98	0,73	0,94	2,89	2,17	3,35	3,07		0,53	0,35	0,30	1,00	2,97	1,57	0,31	0,55	0,79	lb 5,53	
GV3 SAE16	25	MPa	35	mm	65	29,5	133,5	105	18,5	24	83,5	65	97,5	88	SAE 16	13,5	9	8,5	27,5	77,5	48	8	14	25	kg 3,564	GV3EEE43011B000
		Psi	5075	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,84	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb 7,86	
GV3 SAE20R	25	MPa	35	mm	65	29,5	133,5	105	18,5	24	83,5	65	99	88	SAE 20R	13,5	9	8,5	27,5	77,5	48	8	14	25	kg 3,485	GV3EEE83011B000
		Psi	5075	inch	2,56	1,16	5,26	4,13	0,73	0,94	3,29	2,56	3,90	3,46		0,53	0,35	0,33	1,08	3,05	1,89	0,31	0,55	0,98	lb 7,68	
GV3 SAE20	32	MPa	35	mm	80	33,5	133,5	105	18,5	30	98,5	80	118	104	SAE 20	13,5	9	10	24,5	80,5	60	8	17	32	kg 5,32	GV3EEE53011B000
		Psi	5075	inch	3,15	1,32	5,26	4,13	0,73	1,18	3,88	3,15	4,65	4,09		0,53	0,35	0,39	0,96	3,17	2,36	0,31	0,67	1,26	lb 11,73	

G3K

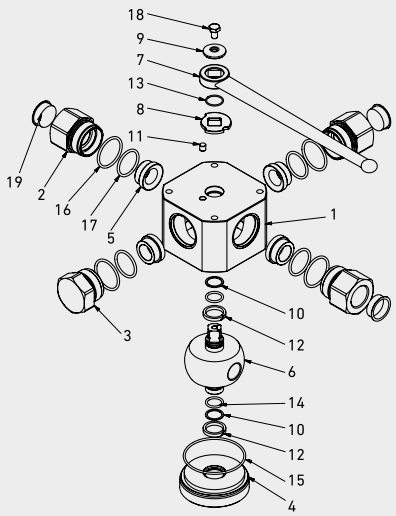
3-WAY HIGH PRESSURE BALL VALVES

Edition. 21.2

CS Carbon Steel

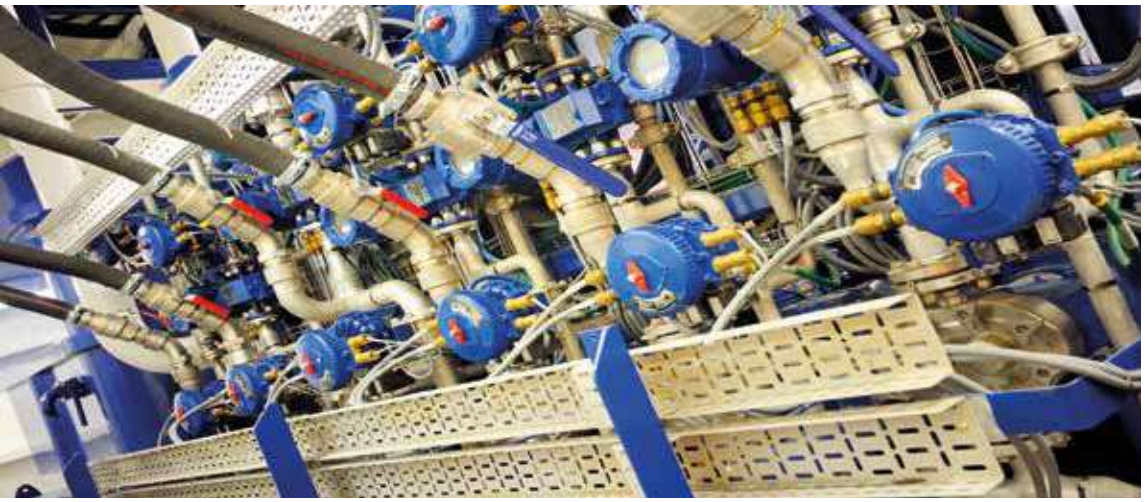
- Type: ball valve 3 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Adapter	3	1,0737
3	Close adapter	1	1,0737
4	Stemball adapter	1	1,0737
5	Ball seat	4	POM
6	Ball stem	1	1,0737
7	Handle	1	ZINC
8	Washer	1	1,0116
9	Washer	1	1,0116
10	Stemball ring	2	PTFE

POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
11	Pin	1	1,0737
12	Body ring	2	PTFE
13	Seeger	1	1,4301
14	Stemball o-ring	2	NBR
15	Body o-ring	1	NBR
16	Adapter o-ring	4	NBR
17	Seal o-ring	4	NBR
18	Screw	1	DIN 6921 8.8
19	Caps	4	PVC





CODE DESCRIPTION STRUCTURE

G3K	K01	G1/4	DN6	1	1	1	1	A	B

Type and way of valve

G3K 3-way

Type of way

L K01
T K02
X K14

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1
G 1/4	N 1/4
G 3/8	N 3/8
G 1/2	N 1/2
G 3/4	N 3/4
G 1	N 1
G 1 1/4 R	N 1 1/4 R
G 1 1/2 R	N 1 1/2 R

Size

from DN6 to DN25

Body Material

● **1** = 1,0737

Adapter material

● **1** = 1,0737

Stem material

● **1** = 1,0737 **4** = 1,4404*

Ball Material

● **1** = 1,0737 **4** = 1,4404*

Seat material

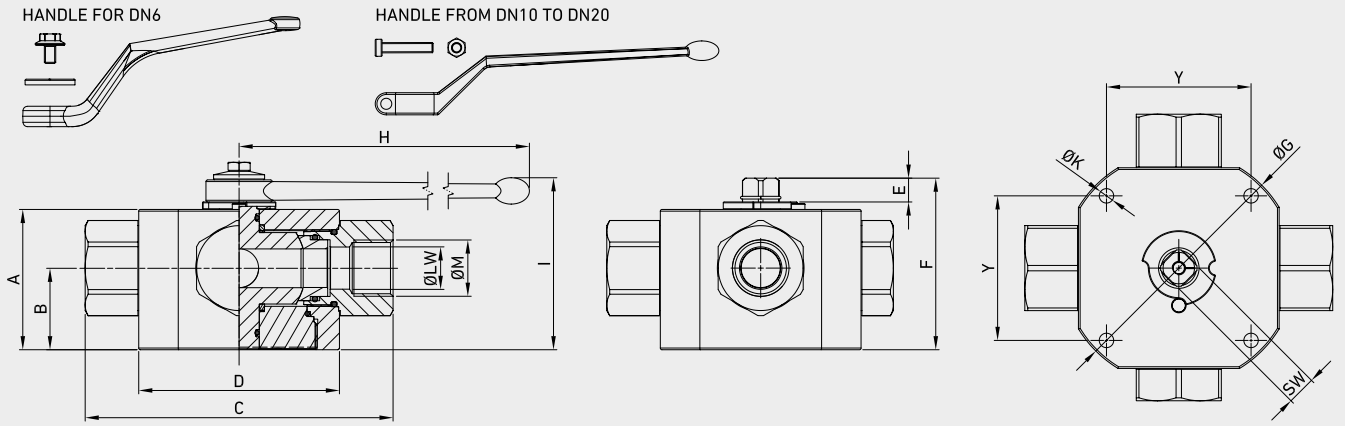
A = POM

Seal material

B = NBR

*On request
- Reduced bore
- Special threads
- Pressure class up to PN35 MPa
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



G3K DIN ISO 228 BSP

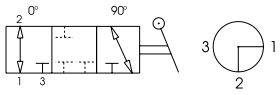
TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK	ØM	Y	SW	ØLW	WEIGHT	
G3K G 1/4	6	MPa	50	mm	42	21,5	100	70	11	56,5	-	110	97,5	6,5	G 1/4	55	9	6	kg	1,767
		Psi	7250	inch	1,65	0,85	3,94	2,76	0,43	2,22	-	4,33	3,84	0,26		2,17	0,35	0,24	lb	3,90
G3K G 3/8	10	MPa	50	mm	53	28,5	115	80	14	71,5	-	180	101	6,5	G 3/8	65	14	10	kg	3,018
		Psi	7250	inch	2,09	1,12	4,53	3,15	0,55	2,81	-	7,09	3,98	0,26		2,56	0,55	0,39	lb	6,65
G3K G 1/2	13	MPa	40	mm	62	33	136	100	14	80,5	-	180	110	8,5	G 1/2	80	14	13	kg	5,247
		Psi	5800	inch	2,44	1,30	5,35	3,94	0,55	3,17	-	7,09	4,33	0,33		3,15	0,55	0,51	lb	11,57
G3K G 3/4	20	MPa	35	mm	68	36	156	113	14	86,5	-	300	116,5	8,5	G 3/4	85	14	20	kg	6,898
		Psi	5075	inch	2,68	1,42	6,14	4,45	0,55	3,41	-	11,81	4,59	0,33		3,35	0,55	0,79	lb	15,21
G3K G 1	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	G 1	85	14	25	kg	9,005
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	19,85
G3K G 1 1/4 R	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	G 1 1/4	85	14	25	kg	8,989
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	19,82
G3K G 1 1/2 R	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	G 1 1/2	85	14	25	kg	9,213
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	20,31

G3K ANSI/ASME B1.20.1 NPT

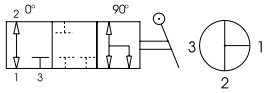
TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK	ØM	Y	SW	ØLW	WEIGHT	
G3K N 1/4	6	MPa	50	mm	42	21,5	100	70	11	56,5	-	110	97,5	6,5	N 1/4	55	9	6	kg	1,767
		Psi	7250	inch	1,65	0,85	3,94	2,76	0,43	2,22	-	4,33	3,84	0,26		2,17	0,35	0,24	lb	3,90
G3K N 3/8	10	MPa	50	mm	53	28,5	115	80	14	71,5	-	180	101	6,5	N 3/8	65	14	10	kg	3,018
		Psi	7250	inch	2,09	1,12	4,53	3,15	0,55	2,81	-	7,09	3,98	0,26		2,56	0,55	0,39	lb	6,65
G3K N 1/2	13	MPa	40	mm	62	33	136	100	14	80,5	-	180	110	8,5	N 1/2	80	14	13	kg	5,247
		Psi	5800	inch	2,44	1,30	5,35	3,94	0,55	3,17	-	7,09	4,33	0,33		3,15	0,55	0,51	lb	11,57
G3K N 3/4	20	MPa	35	mm	68	36	156	113	14	86,5	-	300	116,5	8,5	N 3/4	85	14	20	kg	6,898
		Psi	5075	inch	2,68	1,42	6,14	4,45	0,55	3,41	-	11,81	4,59	0,33		3,35	0,55	0,79	lb	15,21
G3K N 1	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	N 1	85	14	25	kg	9,005
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	19,85
G3K N 1 1/4 R	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	N 1 1/4	85	14	25	kg	8,989
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	19,82
G3K N 1 1/2 R	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	N 1 1/2	85	14	25	kg	9,213
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	20,31

The company reserves the right to operate dimensional changes without prior notice.

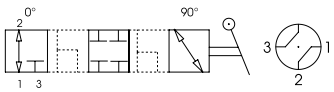
L scheme
G3 K01



T scheme
G3 K02



X scheme
G3 K14



G3K DIN ISO 228 BSP

	CS Carbon Steel
ØLW-K01	ITEM CODE G3K01
6	G23GGT15011A000
10	G23GGT25011A000
13	G23GGT34011A000
19	G23GGT43011A000
23	G23GGT53011A000
23	G23GGR63011A000
23	G23GGR73011A000

ØLW-K02	ITEM CODE G3K02
6	G2AGGT15011A000
10	G2AGGT25011A000
13	G2AGGT34011A000
19	G2AGGT43011A000
23	G2AGGT53011A000
23	G2AGGR63011A000
23	G2AGGR73011A000

ØLW-K14	ITEM CODE G3K14
5	G2BGGT15011A000
7	G2BGGT25011A000
10	G2BGGT34011A000
15	G2BGGT43011A000
17	G2BGGT53011A000
17	G2BGGR63011A000
17	G2BGGR73011A000

G3K ANSL/ASME B1.20.1 NPT

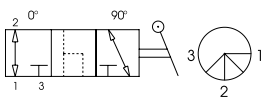
	CS Carbon Steel
ØLW-K01	ITEM CODE G3K01
6	G23NNT15011A000
10	G23NNT25011A000
13	G23NNT34011A000
19	G23NNT43011A000
23	G23NNT53011A000
23	G23NNR63011A000
23	G23NNR73011A000

ØLW-K02	ITEM CODE G3K02
6	G2ANNT15011A000
10	G2ANNT25011A000
13	G2ANNT34011A000
19	G2ANNT43011A000
23	G2ANNT53011A000
23	G2ANNR63011A000
23	G2ANNR73011A000

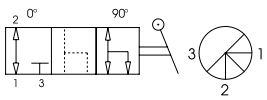
ØLW-K14	ITEM CODE G3K14
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7	G2BNNT25011A000
10	G2BNNT34011A000
15	G2BNNT43011A000
17	G2BNNT53011A000
17	G2BNNR63011A000
17	G2BNNR73011A000

Special schemes on request

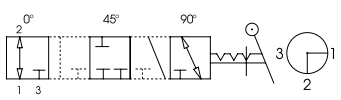
G3 K03



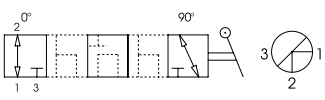
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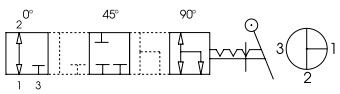
G3 K05



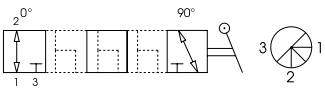
G3 K06



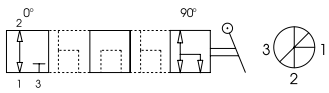
G3 K07



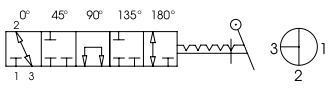
G3 K08



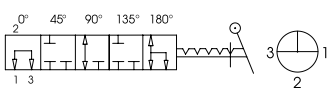
G3 K09



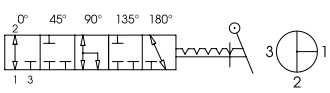
G3 K10



G3 K11



G3 K12



G4K

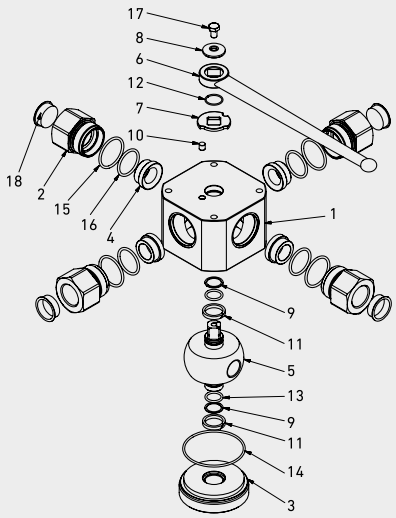
4-WAY HIGH PRESSURE BALL VALVES

Edition. 21.1

CS Carbon Steel

- Type: ball valve 4 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Adapter	4	1,0737
3	Stemball adapter	1	1,0737
4	Ball seat	4	POM
5	Ball stem	1	1,0737
6	Handle	1	ZINC
7	Washer	1	1,0116
8	Washer	1	1,0116
9	Stemball ring	2	PTFE
10	Pin	1	1,0737

POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
11	Body ring	2	PTFE
12	Seeger	1	1,4301
13	Stemball o-ring	2	NBR
14	Body o-ring	1	NBR
15	Adapter o-ring	4	NBR
16	Seal o-ring	4	NBR
17	Screw	1	DIN 6921 8.8
18	Caps	4	PVC





CODE DESCRIPTION STRUCTURE

G4K	K01	G1/4	DN6	1	1	1	1	A	B

Type and way of valve

G4K 4-way

Type of way

L K01
T K02
X K14

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1
G 1/4	N 1/4
G 3/8	N 3/8
G 1/2	N 1/2
G 3/4	N 3/4
G 1	N 1
G 1 1/4 R	N 1 1/4 R
G 1 1/2 R	N 1 1/2 R

Size

from DN6 to DN25

Body Material

● **1** = 1,0737

Adapter material

● **1** = 1,0737

Stem material

● **1** = 1,0737

Ball Material

● **1** = 1,0737

Seat material

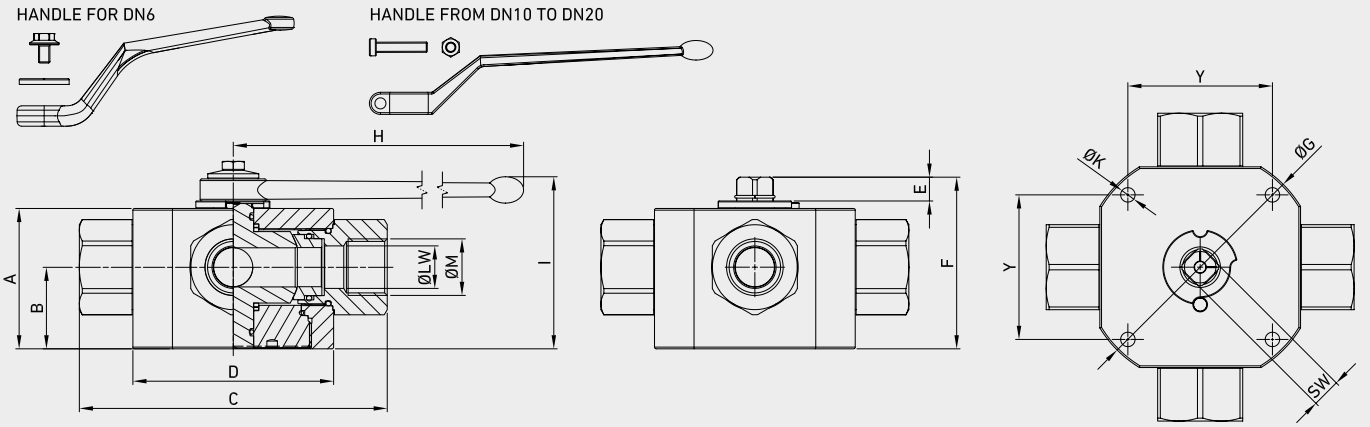
A = POM

Seal material

B = NBR

*On request
- Reduced bore
- Special threads
- Pressure class up to PN50 MPa
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



G4K DIN ISO 228 BSP

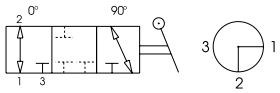
TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK	ØM	Y	SW	ØLW	WEIGHT	
G4K G 1/4	6	MPa	50	mm	42	21,5	100	70	11	56,5	-	110	97,5	6,5	G 1/4	55	9	6	kg	1,767
		Psi	7250	inch	1,65	0,85	3,94	2,76	0,43	2,22	-	4,33	3,84	0,26		2,17	0,35	0,24	lb	3,90
G4K G 3/8	10	MPa	50	mm	53	28,5	115	80	14	71,5	-	180	101	6,5	G 3/8	65	14	10	kg	3,018
		Psi	7250	inch	2,09	1,12	4,53	3,15	0,55	2,81	-	7,09	3,98	0,26		2,56	0,55	0,39	lb	6,65
G4K G 1/2	13	MPa	40	mm	62	33	136	100	14	80,5	-	180	110	8,5	G 1/2	80	14	13	kg	5,247
		Psi	5800	inch	2,44	1,30	5,35	3,94	0,55	3,17	-	7,09	4,33	0,33		3,15	0,55	0,51	lb	11,57
G4K G 3/4	20	MPa	35	mm	68	36	156	113	14	86,5	-	300	116,5	8,5	G 3/4	85	14	20	kg	6,898
		Psi	5075	inch	2,68	1,42	6,14	4,45	0,55	3,41	-	11,81	4,59	0,33		3,35	0,55	0,79	lb	15,21
G4K G 1	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	G 1	85	14	25	kg	9,005
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	19,85
G4K G 1 1/4 R	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	G 1 1/4	85	14	25	kg	8,989
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	19,82
G4K G 1 1/2 R	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	G 1 1/2	85	14	25	kg	9,213
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	20,31

G4K ANSI/ASME B1.20.1 NPT

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK	ØM	Y	SW	ØLW	WEIGHT	
G4K N 1/4	6	MPa	50	mm	42	21,5	100	70	11	56,5	-	110	97,5	6,5	N 1/4	55	9	6	kg	1,767
		Psi	7250	inch	1,65	0,85	3,94	2,76	0,43	2,22	-	4,33	3,84	0,26		2,17	0,35	0,24	lb	3,90
G4K N 3/8	10	MPa	50	mm	53	28,5	115	80	14	71,5	-	180	101	6,5	N 3/8	65	14	10	kg	3,018
		Psi	7250	inch	2,09	1,12	4,53	3,15	0,55	2,81	-	7,09	3,98	0,26		2,56	0,55	0,39	lb	6,65
G4K N 1/2	13	MPa	40	mm	62	33	136	100	14	80,5	-	180	110	8,5	N 1/2	80	14	13	kg	5,247
		Psi	5800	inch	2,44	1,30	5,35	3,94	0,55	3,17	-	7,09	4,33	0,33		3,15	0,55	0,51	lb	11,57
G4K N 3/4	20	MPa	35	mm	68	36	156	113	14	86,5	-	300	116,5	8,5	N 3/4	85	14	20	kg	6,898
		Psi	5075	inch	2,68	1,42	6,14	4,45	0,55	3,41	-	11,81	4,59	0,33		3,35	0,55	0,79	lb	15,21
G4K N 1	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	N 1	85	14	25	kg	9,005
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	19,85
G4K N 1 1/4 R	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	N 1 1/4	85	14	25	kg	8,989
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	19,82
G4K N 1 1/2 R	25	MPa	35	mm	82	47,5	181	118	14	100,5	138	300	130,5	8,5	N 1 1/2	85	14	25	kg	9,213
		Psi	5075	inch	3,23	1,87	7,13	4,65	0,55	3,96	5,43	11,81	5,14	0,33		3,35	0,55	0,98	lb	20,31

The company reserves the right to operate dimensional changes without prior notice.

L scheme
G4 K01



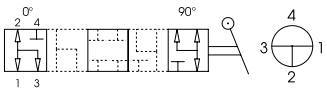
G4K DIN ISO 228 BSP

	CS Carbon Steel
ØLW-K01	ITEM CODE G4K01
6	G24GGT15011A000
10	G24GGT25011A000
13	G24GGT34011A000
19	G24GGT43011A000
23	G24GGT53011A000
23	G24GGR63011A000
23	G24GGR73011A000

G4K ANSL/ASME B1.20.1 NPT

	CS Carbon Steel
ØLW-K01	ITEM CODE G4K01
6	G24NNT15011A000
10	G24NNT25011A000
13	G24NNT34011A000
19	G24NNT43011A000
23	G24NNT53011A000
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23	G24NNR73011A000

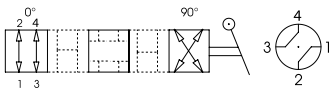
T scheme
G4 K13



ØLW-K13	ITEM CODE G4K13
6	G2DGGT15011A000
10	G2DGGT25011A000
13	G2DGGT34011A000
19	G2DGGT43011A000
23	G2DGGT53011A000
23	G2DGGR63011A000
23	G2DGGR73011A000

ØLW-K13	ITEM CODE G4K13
6	G2DNNT15011A000
10	G2DNNT25011A000
13	G2DNNT34011A000
19	G2DNNT43011A000
23	G2DNNT53011A000
23	G2DNNR63011A000
23	G2DNNR73011A000

X scheme
G4 K14

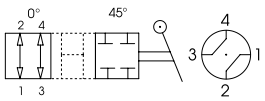


ØLW-K14	ITEM CODE G4K14
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7	G2EGGT25011A000
10	G2EGGT34011A000
15	G2EGGT43011A000
17	G2EGGT53011A000
17	G2EGGR63011A000
17	G2EGGR73011A000

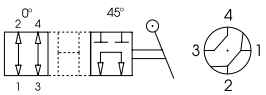
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5	G2ENNT15011A000
7	G2ENNT25011A000
10	G2ENNT34011A000
15	G2ENNT43011A000
17	G2ENNT53011A000
17	G2ENNR63011A000
17	G2ENNR73011A000

Special schemes on request

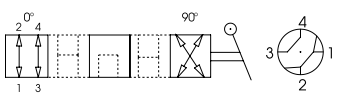
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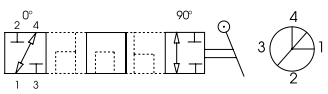
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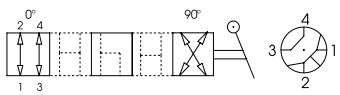
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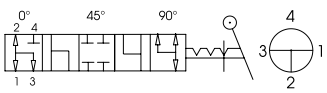
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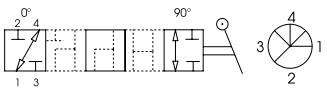
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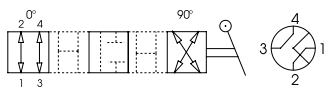
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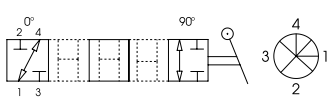
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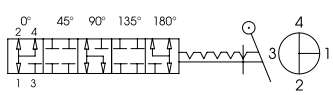
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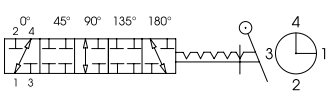
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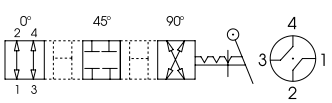
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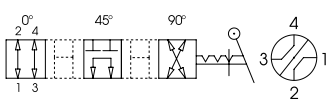
G4 K25



G4 K26



G4 K27



GPK2

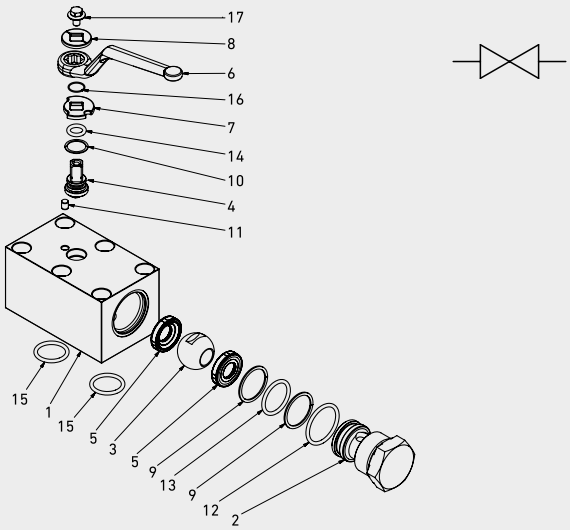
2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.1

CS Carbon Steel

- Type: manifold
- Sizes: from DN6 up to DN50
- Ends: Drilling pattern Gemels
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Adapter	1	1,0737
3	Ball	1	1,0737
4	Stem	1	1,0737
5	Ball seat	2	POM
6	Handle	1	ZINC
7	Washer	1	1,0116
8	Washer	1	1,0116
9	Stem ring	1	POM
10	Pin	1	1,0737

POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
11	Seeger	1	1,4301
12	Adapter o-ring	1	NBR
13	Adapter o-ring	1	NBR
14	Body o-ring	2	NBR
15	Stem o-ring	1	NBR
16	Screw	1	Din 6921 8.8
17	Back-Up	2	PTFE





CODE DESCRIPTION STRUCTURE

GPK2	DN13	1	1	1	1	A	B

Type and way of valve
GPK2 2-way

Size
from DN6 to DN50

Body Material
● **1** = 1,0737 **4** = 1,4404*

Adapter material
● **1** = 1,0737 **4** = 1,4404*

Stem material
● **1** = 1,0737 **4** = 1,4404*

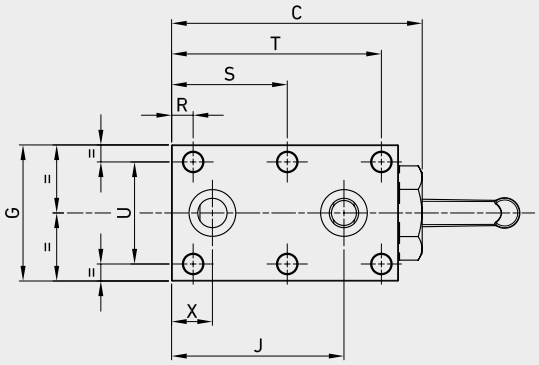
Ball Material
● **1** = 1,0737 **4** = 1,4404*

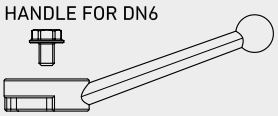
Seat material
A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

Seal material
B = NBR **E** = FKM*

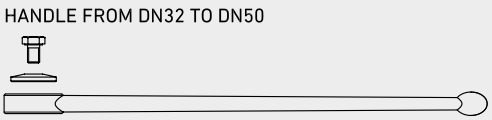
*On request
- Reduced bore
- Pressure class up to PN50 MPa
- Pneumatic and electrical actuator
- Locking device

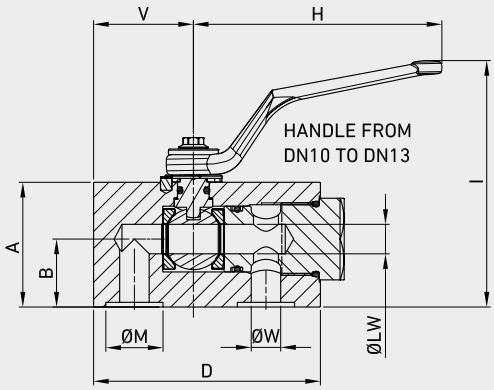
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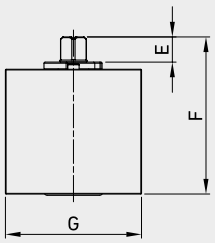


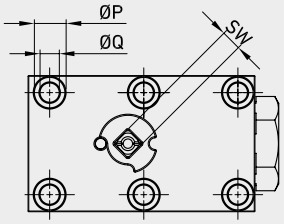








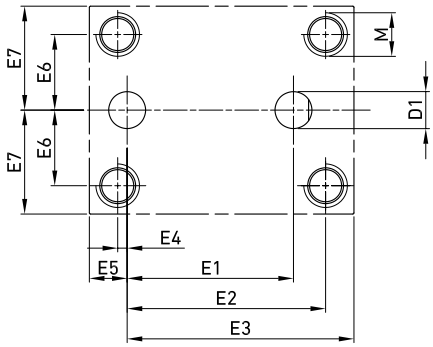




GPK2

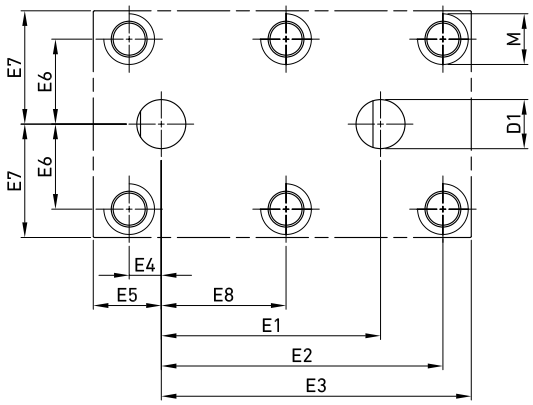
Carbon Steel

TYPE	DN	PN		A	B	C	D	E	F	G	H	I	J	ØM	ØP	ØQ	R	S	T	U	V	ØW	X	SW	ØLW	WEIGHT	ITEM CODE
GPK2	6	MPa	50	mm	35	22,5	64,5	58	7,5	42,5	40	60	61	44,5	11,8	10,5	6,5	9	-	44	27	26,5	6	9,5	6	6	kg 0,593	GP200T15011A000
		Psi	7250	inch	1,38	0,89	2,54	2,28	0,30	1,67	1,57	2,36	2,40	1,75	0,46	0,41	0,26	0,35	-	1,73	1,06	1,04	0,24	0,37	0,24	0,24	lb 1,31	
GPK2	10	MPa	50	mm	45	22,5	79,5	70	11	59	55	110	101	54	14,9	13,5	8,5	7,5	-	62,5	40	28,75	9,8	10	9	10	kg 1,304	GP200T25011A000
		Psi	7250	inch	1,77	0,89	3,13	2,76	0,43	2,32	2,17	4,33	3,98	2,13	0,59	0,53	0,33	0,30	-	2,46	1,57	1,13	0,39	0,39	0,35	0,39	lb 2,87	
GPK2	13	MPa	40	mm	55	30	110,5	100	11	69	60	110	111	76	24,9	13,5	8,5	9,5	51	92,5	45	44	13	18	9	13	kg 2,387	GP200T34011A000
		Psi	5800	inch	2,17	1,18	4,35	3,94	0,43	2,72	2,36	4,33	4,37	2,99	0,98	0,53	0,33	0,37	2,01	3,64	1,77	1,73	0,51	0,71	0,35	0,51	lb 5,26	
GPK2	20	MPa	35	mm	70	38,5	129	118	14	88,5	70	180	121,5	90	29	16,5	10,5	11,5	60	108,5	51	52	20	21	14	20	kg 4,079	GP200T43011A000
		Psi	5075	inch	2,76	1,52	5,08	4,65	0,55	3,48	2,76	7,09	4,78	3,54	1,14	0,65	0,41	0,45	2,36	4,27	2,01	2,05	0,79	0,83	0,55	0,79	lb 8,99	
GPK2	25	MPa	35	mm	79,5	44	146	135	14	98	80	180	131	105	34,9	16,5	10,5	9	66,5	124	60	61,25	25	24	14	25	kg 5,883	GP200T53011A000
		Psi	5075	inch	3,13	1,73	5,75	5,31	0,55	3,86	3,15	7,09	5,16	4,13	1,37	0,65	0,41	0,35	2,62	4,88	2,36	2,41	0,98	0,94	0,55	0,98	lb 12,97	
GPK2	32	MPa	35	mm	105,55	58,75	183,5	165	14	124	100	300	124	124	39,7	19	13	11	79	147	78	74	32	28	17	32	kg 12,169	GP200T63011A000
		Psi	5075	inch	4,15	2,31	7,22	6,50	0,55	4,88	3,94	11,81	4,88	4,88	1,56	0,75	0,51	0,43	3,11	5,79	3,07	2,91	1,26	1,10	0,67	1,26	lb 26,83	
GPK2	40	MPa	35	mm	115	61,25	201,5	185	14	133,5	130	300	134	141	47,7	25	16,5	29	85	141	95	85	37	29	17	40	kg 18,624	GP200T73011A000
		Psi	5075	inch	4,53	2,41	7,93	7,28	0,55	5,26	5,12	11,81	5,28	5,55	1,88	0,98	0,65	1,14	3,35	5,55	3,74	3,35	1,46	1,14	0,67	1,57	lb 41,06	
GPK2	50	MPa	35	mm	129	72	256,5	240	14	147	150	300	147,5	174	59,8	31	21	38	106	174	112	106	48	38	17	48	kg 30,644	GP200T83011A000
		Psi	5075	inch	5,08	2,83	10,10	9,45	0,55	5,79	5,91	11,81	5,81	6,85	2,35	1,22	0,83	1,50	4,17	6,85	4,41	4,17	1,89	1,50	0,67	1,89	lb 67,56	



DRILLING PATTERN FOR DN6 TO DN10

DN		D1	E1	E2	E3	E4	E5	E6	E7	M	O-RING
6	mm	6	35	34,5	48,5	0,5	9,5	13,5	20	M6	7,30 X 2,40
	inch	0,24	1,38	1,36	1,91	0,02	0,37	0,53	0,79		
10	mm	9,5	44	52,5	60	2,5	10	20	27,5	M8	9.92 X 2.62
	inch	0,37	1,73	2,07	2,36	0,10	0,39	0,79	1,08		



DRILLING PATTERN FOR DN13 TO DN50

DN		D1	E1	E2	E3	E4	E5	E6	E7	E8	M	O-RING
13	mm	13	58	74,5	82	8,5	18	22,5	30	33	M8	20.64 X 2.62
	inch	0,51	2,28	2,93	3,23	0,33	0,71	0,89	1,18	1,30		
20	mm	20	69	87,5	97	9,5	21	25,5	35	39	M10	23.81 X 2.62
	inch	0,79	2,72	3,44	3,82	0,37	0,83	1,00	1,38	1,54		
25	mm	25	81	100	111	15	24	30	40	43	M10	31,42 X 2,62
	inch	0,98	3,19	3,94	4,37	0,59	0,94	1,18	1,57	1,69		
32	mm	32	96	119	137	17	28	39	50	51	M12	34.59 X 2.62
	inch	1,26	3,78	4,69	5,39	0,67	1,10	3,07	1,97	2,01		
40	mm	37	-	112	156	-	29	47,5	65	56	M16	42,52 X 2,62
	inch	1,46	-	4,41	6,14	-	1,14	1,87	2,56	2,20		
50	mm	48	-	136	202	-	38	56	75	68	M20	53,64 X 2,62
	inch	1,89	-	5,35	7,95	-	1,50	2,20	2,95	2,68		

GPK3

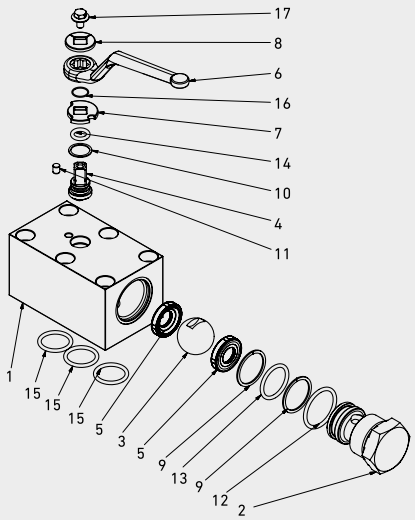
3-WAY HIGH PRESSURE BALL VALVES

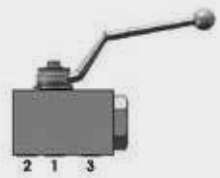
Edition. 21.1

CS Carbon Steel

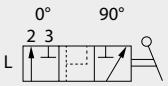
- Type: manifold
- Sizes: from DN6 up to DN50
- Ends: Drilling pattern Gemels
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

STANDARD COMPOSITION OF VALVE





WARNING!
Pressure inlet only from center port 1



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Adapter	1	1,0737
3	Ball	1	1,0737
4	Stem	1	1,0737
5	Ball seat	2	POM
6	Handle	1	ZINC
7	Washer	1	1,0116
8	Washer	1	1,0116
9	Stem ring	1	POM
10	Pin	1	1,0737

POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
11	Seeger	1	1,4301
12	Adapter o-ring	1	NBR
13	Adapter o-ring	1	NBR
14	Body o-ring	3	NBR
15	Stem o-ring	1	NBR
16	Screw	1	Din 6921 8.8
17	Back-Up	2	PTFE





CODE DESCRIPTION STRUCTURE

GPK3	DN13	1	1	1	1	A	B

Type and way of valve
GPK3 3-way

Size
from DN6 to DN50

Body Material
● **1** = 1,0737 **4** = 1,4404*

Adapter material
● **1** = 1,0737 **4** = 1,4404*

Stem material
● **1** = 1,0737 **4** = 1,4404*

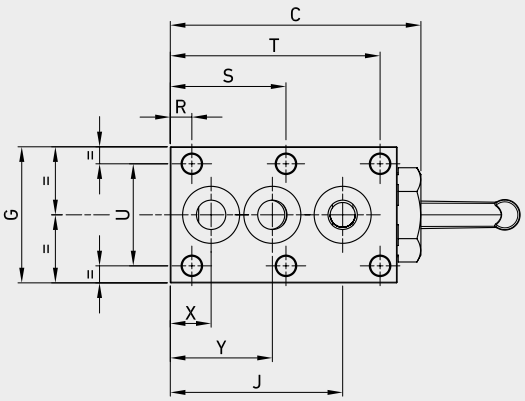
Ball Material
● **1** = 1,0737 **4** = 1,4404*

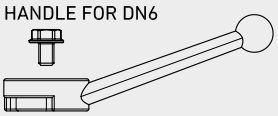
Seat material
A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

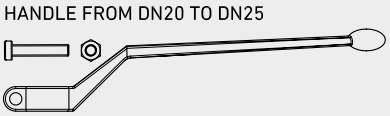
Seal material
B = NBR **E** = FKM*

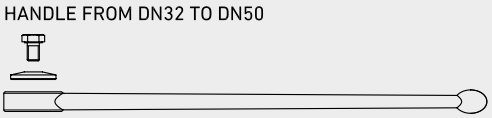
*On request
- Reduced bore
- Pressure class up to PN50 MPa
- Pneumatic and electrical actuator
- Locking device

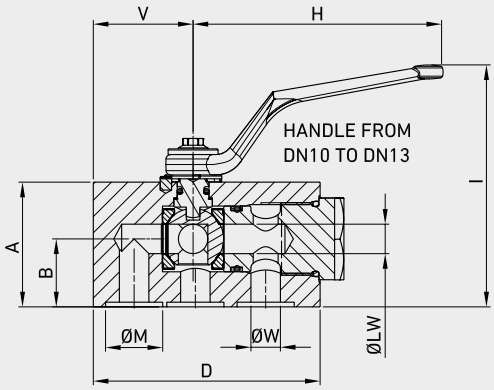
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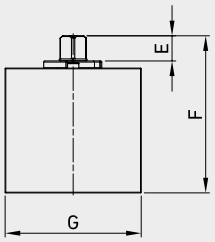


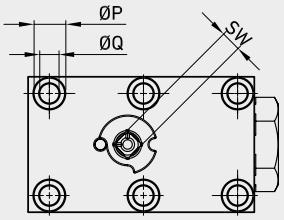








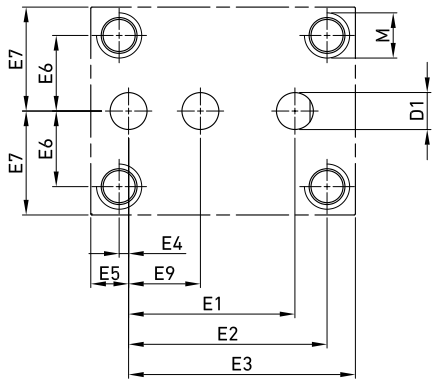




GPK3

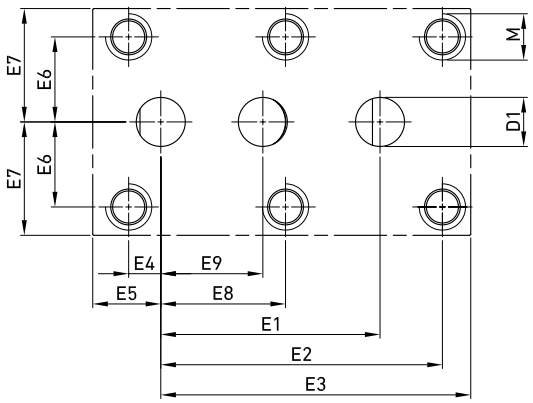
TYPE	DN	PN		A	B	C	D	E	F	G	H	I	J	ØM	ØP	ØQ	R	S	T	U	V	ØW	X	Y	SW	ØLW	WEIGHT	ITEM CODE (CS Carbon Steel)
GPK3	6	MPa	50	mm	35	22,5	65	58	7,5	42,5	40	110	61	44,5	11,8	10,5	6,5	9	-	44	27	26,5	6	9,5	27	6	6	kg 0,593	GP300T15011A000
		Psi	7250	inch	1,38	0,89	2,56	2,28	0,30	1,67	1,57	4,33	2,40	1,75	0,46	0,41	0,26	0,35	-	1,73	1,06	1,04	0,24	0,37	1,06	0,24	0,24	lb 1,31	
GPK3	10	MPa	50	mm	45	22,5	80	70	11	59	55	110	101	54	14,9	13,5	8,5	7,5	-	62,5	40	28,75	9,8	10	29	9	10	kg 1,304	GP300T25011A000
		Psi	7250	inch	1,77	0,89	3,15	2,76	0,43	2,32	2,17	4,33	3,98	2,13	0,59	0,53	0,33	0,30	-	2,46	1,57	1,13	0,39	0,39	1,14	0,35	0,39	lb 2,87	
GPK3	13	MPa	40	mm	55	30	111	100	11	69	60	110	111	76	24,9	13,5	8,5	9,5	51	92,5	45	44	13	18	44,5	9	13	kg 2,387	GP300T34011A000
		Psi	5800	inch	2,17	1,18	4,37	3,94	0,43	2,72	2,36	4,33	4,37	2,99	0,98	0,53	0,33	0,37	2,01	3,64	1,77	1,73	0,51	0,71	1,75	0,35	0,51	lb 5,26	
GPK3	20	MPa	35	mm	70	38,5	129	118	14	88,5	70	180	121,5	90	29	16,5	10,5	11,5	60	108,5	51	52	20	21	52	14	20	kg 4,079	GP300T43011A000
		Psi	5075	inch	2,76	1,52	5,08	4,65	0,55	3,48	2,76	7,09	4,78	3,54	1,14	0,65	0,41	0,45	2,36	4,27	2,01	2,05	0,79	0,83	2,05	0,55	0,79	lb 8,99	
GPK3	25	MPa	35	mm	80	44	146	135	14	98	80	180	131	105	34,9	16,5	10,5	9	66,5	124	60	61,25	25	24	62	14	25	kg 5,883	GP300T53011A000
		Psi	5075	inch	3,15	1,73	5,75	5,31	0,55	3,86	3,15	7,09	5,16	4,13	1,37	0,65	0,41	0,35	2,62	4,88	2,36	2,41	0,98	0,94	2,44	0,55	0,98	lb 12,97	
GPK3	32	MPa	35	mm	106	58,8	184	165	14	124	100	300	124	124	39,7	19	13	11	79	147	78	74	32	28	74	17	32	kg 12,169	GP300T63011A000
		Psi	5075	inch	4,17	2,31	7,24	6,50	0,55	4,88	3,94	11,81	4,88	4,88	1,56	0,75	0,51	0,43	3,11	5,79	3,07	2,91	1,26	1,10	2,91	0,67	1,26	lb 26,83	
GPK3	40	MPa	35	mm	115	61,3	202	185	14	133,5	130	300	134	141	47,7	25	16,5	29	85	141	95	85	37	29	85	17	40	kg 18,624	GP300T73011A000
		Psi	5075	inch	4,53	2,41	7,95	7,28	0,55	5,26	5,12	11,81	5,28	5,55	1,88	0,98	0,65	1,14	3,35	5,55	3,74	3,35	1,46	1,14	3,35	0,67	1,57	lb 41,06	
GPK3	50	MPa	35	mm	129	72	257	240	14	147	150	300	147,5	174	59,8	31	21	38	106	174	112	106	48	38	106	17	48	kg 30,644	GP300T83011A000
		Psi	5075	inch	5,08	2,83	10,12	9,45	0,55	5,79	5,91	11,81	5,81	6,85	2,35	1,22	0,83	1,50	4,17	6,85	4,41	4,17	1,89	1,50	4,17	0,67	1,89	lb 67,56	

The company reserves the right to operate dimensional changes without prior notice.



DRILLING PATTERN FOR DN6 TO DN10

DN		D1	E1	E2	E3	E4	E5	E6	E7	E9	M	O-RING
6	mm	6	35	34,5	48,5	0,5	9,5	13,5	20	20	M6	7,30 X 2,40
	inch	0,24	1,38	1,36	1,91	0,02	0,37	0,53	0,79	0,79		
10	mm	9,5	44	52,5	60	2,5	10	20	27,5	27,5	M8	9.92 X 2.62
	inch	0,37	1,73	2,07	2,36	0,10	0,39	0,79	1,08	1,08		



DRILLING PATTERN FOR DN13 TO DN50

DN		D1	E1	E2	E3	E4	E5	E6	E7	E8	E9	M	O-RING
13	mm	13	58	74,5	82	8,5	18	22,5	30	33	27	M8	20.64 X 2.62
	inch	0,51	2,28	2,93	3,23	0,33	0,71	0,89	1,18	1,30	1,06		
20	mm	20	69	87,5	97	9,5	21	25,5	35	39	31	M10	23.81 X 2.62
	inch	0,79	2,72	3,44	3,82	0,37	0,83	1,00	1,38	1,54	1,22		
25	mm	25	81	100	111	15	24	30	40	43	38	M10	31,42 X 2,62
	inch	0,98	3,19	3,94	4,37	0,59	0,94	1,18	1,57	1,69	1,50		
32	mm	32	96	119	137	17	28	39	50	51	46	M12	34.59 X 2.62
	inch	1,26	3,78	4,69	5,39	0,67	1,10	1.54	1,97	2,01	1,81		
40	mm	37	112	112	156	-	29	47,5	65	56	56	M16	42,52 X 2,62
	inch	1,46	4,41	4,41	6,14	-	1,14	1,87	2,56	2,20	2,20		
50	mm	48	136	136	202	-	38	56	75	68	68	M20	53,64 X 2,62
	inch	1,89	5,35	5,35	7,95	-	1,50	2,20	2,95	2,68	2,68		

GRC

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.1

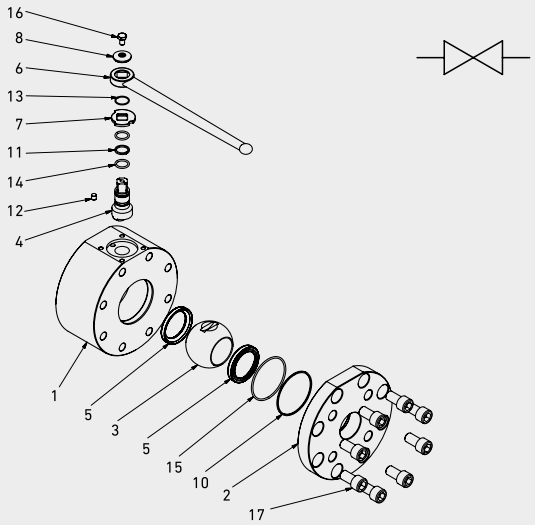
CS Carbon Steel

- Type: ball valve 2 way
- Sizes: from DN25 up to DN125
- Ends: ISO6164 (CETOP)
- Pressure: up to PN420 / S6000
- Temp range: -20°C to +100°C

SS Stainless Steel

- Type: ball valve 2 way
- Sizes: from DN25 up to DN125
- Ends: ISO6164 (CETOP)
- Pressure: up to PN420 / S6000
- Temp range: -30°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL	SS Stainless Steel MATERIAL
1	Body	1	1,0570	1,4404
2	Flange	1	1,0570	1,4404
3	Ball	1	1,0570	1,4404
4	Stem	1	1,4542	1,4542
5	Seat	2	POM	POM
6	Handle	1	1 ,0116	1,0116
7	Washer	1	1 ,0116	1 ,0116
8	Washer	1	1 ,0116	1 ,0116
9	Flange Back-Up	1	PTFE	PTFE
10	Stem Back-Up	1	PTFE	PTFE
11	Stem Ring	1	PTFE	PTFE
12	Pin	1	1,0737	1,4404
13	Flange o-ring	1	NBR	NBR
14	Stem o-ring	2	NBR	NBR
15	Seeger	1	1,4301	1,4301
16	T.C.E.I. Screw	8	DIN6921 8.8	ISO4762 A2
17	T.E. Screw	1	DIN6921 8.8	ISO4762 A2





CODE DESCRIPTION STRUCTURE

GRC	250	DN50	2	2	M	2	A	B

Type and way of valve
GRC 2-way

Ends

VALVE DIMENSION OF PRESSURE (PSI)
PN250
PN350
PN400

Size
from DN25 to DN125

Body Material
● **2** = 1,0570
● **4** = 1,4404

Adapter material
● **2** = 1,0570
● **4** = 1,4404

Stem material
● **M** =1,4542
● **M** =1,4542

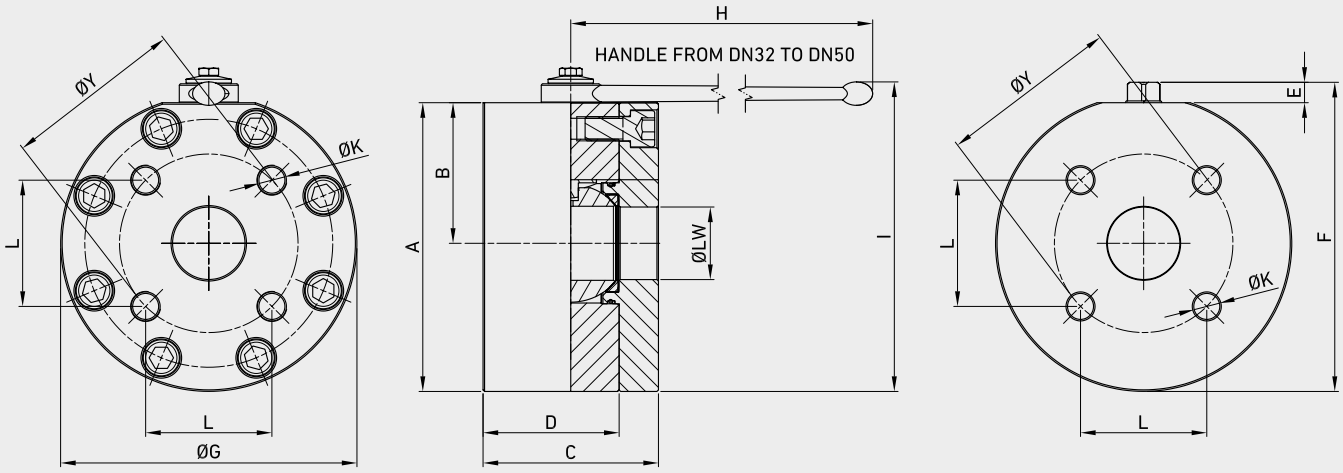
Ball Material
● **2** = 1,0570 **4** = 1,4404*
● **4** = 1,4404

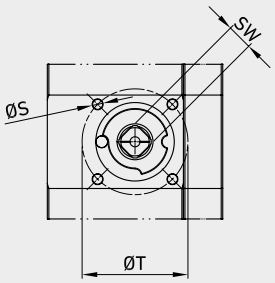
Seat material
A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

Seal material
B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request
- Reduced bore
- Special threads
- Pressure class up to PN40 Mpa
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.

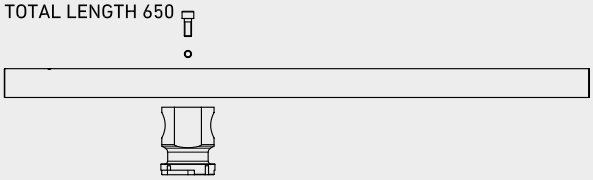




HANDLE FOR DN25



HANDLE FROM DN63 TO DN80
TOTAL LENGTH 650



GRC CETOP250 ISO6164

TYPE	DN	PN		A	B	C	D	E	F	ØG	H	I	L	ØK	ØT	ØS	ØY	ISO5211	SW	ØLW	WEIGHT	Carbon Steel (CS) ITEM CODE	Stainless Steel (SS) ITEM CODE
GRC250	25	MPa 25	mm	98,5	39,5	88	69	14	113	118	180	143	43,8	4x M10	50	M6	62	F05	14	25	kg 6,317	GR2CTT52022A000	GR2CTT52044A000
		Psi 3625	inch	3,88	1,56	3,46	2,72	0,55	4,45	4,65	7,09	5,63	1,72		1,97		2,44		0,55	0,98	lb 13,93		
GRC250	32	MPa 25	mm	143,5	71	100	73	14	162	145	300	162	51,6	4x M12	50	M6	73	F05	17	32	kg 12,228	GR2CTT6202PA000	GR2CTT6204NA000
		Psi 3625	inch	5,65	2,80	3,94	2,87	0,55	6,38	5,71	11,81	6,38	2,03		1,97		2,87		0,67	1,26	lb 26,96		
GRC250	38	MPa 25	mm	160	78	110	80	14	178,5	165	300	180	60,1	4x M16	50	M6	85	F05	17	38	kg 16,867	GR2CTT7202PA000	GR2CTT7204NA000
		Psi 3625	inch	6,30	3,07	4,33	3,15	0,55	7,03	6,50	11,81	7,09	2,37		1,97		3,35		0,67	1,50	lb 37,19		
GRC250	51	MPa 25	mm	192	93	116	90	14	206	196	300	205	69,3	4x M16	70	M8	98	F07	17	47	kg 32,855	GR2CTT8202PA000	GR2CTT8204NA000
		Psi 3625	inch	7,56	3,66	4,57	3,54	0,55	8,11	7,72	11,81	8,07	2,73		2,76		3,86		0,67	1,85	lb 72,43		
GRC250	56	MPa 25	mm	192	93	150	107	14	206	203	300	206	83,4	4x M20	70	M8	118	F07	17	58	kg 32,855	GR2CTT9202PA000	GR2CTT9204NA000
		Psi 3625	inch	7,56	3,66	5,91	4,21	0,55	8,11	7,99	11,81	8,11	3,28		2,76		4,65		0,67	2,28	lb 72,43		
GRC250	63	MPa 25	mm	205	100	150	107	18	223	210	600	272	102,5	4x M20	70	M8	145	F07	19	70	kg 36,569	GR2CTTA202PA000	GR2CTTA204NA000
		Psi 3625	inch	8,07	3,94	5,91	4,21	0,71	8,78	8,27	23,62	10,71	4,04		2,76		5,71		0,75	2,76	lb 80,62		

The company reserves the right to operate dimensional changes without prior notice.

GRC CETOP350 ISO6164

TYPE	DN	PN		A	B	C	D	E	F	ØG	H	I	L	ØK	ØT	ØS	ØY	ISO5211	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
GRC350	25	MPa 35	mm	102,5	39,5	88	69	14	117	118	180	143	50,9	4x	50	M6	72	F05	14	25	kg 7,2	GR2CTT53022A000	GR2CTT53044A000
		Psi 5075	inch	4,04	1,56	3,46	2,72	0,55	4,61	4,65	7,09	5,63	2,00	M12	1,97		2,83		0,55	0,98	lb 15,87		
GRC350	32	MPa 35	mm	141	68	105	75,5	14	158	145	300	162	56,6	4x	50	M6	80	F05	17	32	kg 12,5	GR2CTT6302PA000	GR2CTT6304NA000
		Psi 5075	inch	5,55	2,68	4,13	2,97	0,55	6,22	5,71	11,81	6,38	2,23	M16	1,97		3,15		0,67	1,26	lb 27,56		
GRC350	40	MPa 35	mm	161	78	110	80	14	178	165	300	180	69,5	4x	50	M6	98	F05	17	38	kg 16,6	GR2CTT7302PA000	GR2CTT7304NA000
		Psi 5075	inch	6,34	3,07	4,33	3,15	0,55	7,01	6,50	11,81	7,09	2,74	M16	1,97		3,86		0,67	1,50	lb 36,60		
GRC350	50	MPa 35	mm	193	94	116	90	14	210	196	300	205	83,5	4x	70	M8	118	F07	17	48	kg 25	GR2CTT8302PA000	GR2CTT8304NA000
		Psi 5075	inch	7,60	3,70	4,57	3,54	0,55	8,27	7,72	11,81	8,07	3,29	M20	2,76		4,65		0,67	1,89	lb 55,12		
GRC350	65	MPa 35	mm	204	100	150	107	21	224	208	600	272	102,5	4x	70	M8	145	F07	19	63	kg 44	GR2CTT9302PA000	GR2CTT9304NA000
		Psi 5075	inch	8,03	3,94	5,91	4,21	0,83	8,82	8,19	23,62	10,71	4,04	M24	2,76		5,71		0,75	2,48	lb 97,00		
GRC350	80	MPa 35	mm	208	100	150	107	22	233,5	215	600	280	123,7	4x	70	M8	175	F07	19	75	kg 45	GR2CTTA302PA000	GR2CTTA304NA000
		Psi 5075	inch	8,19	3,94	5,91	4,21	0,87	9,19	8,46	23,62	11,02	4,87	M30	2,76		6,89		0,75	2,95	lb 99,21		
GRC350	100	MPa 35	mm	251	122	200	147	26,5	277	258	600	326	141,5	8x	102	M10	200	F10	24	95	kg 70	GR2CTTB302PA000	GR2CTTB304NA000
		Psi 5075	inch	9,88	4,80	7,87	5,79	1,04	10,91	10,16	23,62	12,83	5,57	M24	4,02		7,87		0,94	3,74	lb 154,32		
GRC350	125	MPa 35	mm	303	148	220	170	32	330	310	900	389	-	8x	125	M12	245	F12	36	118	kg 109	GR2CTTC302PA000	GR2CTTC304NA000
		Psi 5075	inch	11,93	5,83	8,66	6,69	1,26	12,99	12,20	35,43	15,31	-	M30	4,92		9,65		1,42	4,65	lb 240,30		

GRC CETOP400 ISO6164

TYPE	DN	PN		A	B	C	D	E	F	ØG	H	I	L	ØK	ØT	ØS	ØY	ISO5211	SW	ØLW	WEIGHT	CS Carbon Steel	SS Stainless Steel
GRC400	25	MPa 40	mm	98,5	39,5	88	69	14	113	118	180	143	43,8	4x	50	M6	62	F05	14	25	kg 6,317	GR2CTT54022A000	GR2CTT54044A000
		Psi 5800	inch	3,88	1,56	3,46	2,72	0,55	4,45	4,65	7,09	5,63	1,72	M10	1,97		2,44		0,55	0,98	lb 13,93		
GRC400	32	MPa 40	mm	143,5	71	100	73	14	162	145	300	162	51,6	4x	50	M6	73	F05	17	32	kg 12,228	GR2CTT6402PA000	GR2CTT6404NA000
		Psi 5800	inch	5,65	2,80	3,94	2,87	0,55	6,38	5,71	11,81	6,38	2,03	M12	1,97		2,87		0,67	1,26	lb 26,96		
GRC400	38	MPa 40	mm	160	78	110	80	14	178,5	165	300	180	60,1	4x	50	M6	85	F05	17	38	kg 16,867	GR2CTT7402PA000	GR2CTT7404NA000
		Psi 5800	inch	6,30	3,07	4,33	3,15	0,55	7,03	6,50	11,81	7,09	2,37	M16	1,97		3,35		0,67	1,50	lb 37,19		
GRC400	51	MPa 40	mm	192	93	116	90	14	206	196	300	205	69,3	4x	70	M8	98	F07	17	47	kg 32,855	GR2CTT8402PA000	GR2CTT8404NA000
		Psi 5800	inch	7,56	3,66	4,57	3,54	0,55	8,11	7,72	11,81	8,07	2,73	M16	2,76		3,86		0,67	1,85	lb 72,43		
GRC400	56	MPa 40	mm	192	93	150	107	14	206	203	300	208	83,4	4x	70	M8	118	F07	17	58	kg 32,855	GR2CTT9402PA000	GR2CTT9404NA000
		Psi 5800	inch	7,56	3,66	5,91	4,21	0,55	8,11	7,99	11,81	8,19	3,28	M20	2,76		4,65		0,67	2,28	lb 72,43		
GRC400	63	MPa 40	mm	205	100	150	107	18	223	210	600	272	102,5	4x	70	M8	145	F07	19	70	kg 36,569	GR2CTTA402PA000	GR2CTTA404NA000
		Psi 5800	inch	8,07	3,94	5,91	4,21	0,71	8,78	8,27	23,62	10,71	4,04	M24	2,76		5,71		0,75	2,76	lb 80,62		
GRC400	80	MPa 40	mm	251	122	170	132	26,5	278	258	600	326	123,7	4x	102	M10	175	F10	24	74	kg 65,411	GR2CTTB402PA000	GR2CTTB404NA000
		Psi 5800	inch	9,88	4,80	6,69	5,20	1,04	10,94	10,16	23,62	12,83	4,87	M30	4,02		6,89		0,94	2,91	lb 144,21		

GRS

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.2

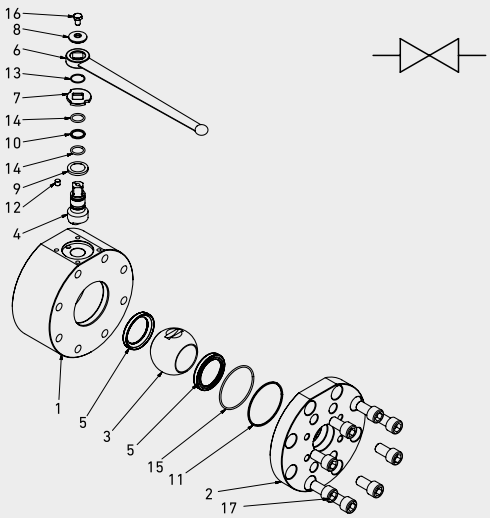
CS Carbon Steel

- Type: ball valve 2 way
- Sizes: from DN13 up to DN125
- Ends: ISO6162-1 / ISO6162 (SAE J518)
- Pressure: up to PN420 / S6000
- Temp range: -20°C to +100°C

SS Stainless Steel

- Type: ball valve 2 way
- Sizes: from DN13 up to DN125
- Ends: ISO6162-1 / ISO6162 (SAE J518)
- Pressure: up to PN420 / S6000
- Temp range: -30°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0570	1,4404
2	Flange	1	1,0570	1,4404
3	Ball	1	1,0570	1,4404
4	Stem	1	1,4542	1,4542
5	Seat	2	POM	POM
6	Handle	1	1,0116	1,0116
7	Washer	1	1,0116	1,0116
8	Washer	1	1,0116	1,0116
9	Flange Back-Up	1	PTFE	PTFE
10	Stem Back-Up	1	PTFE	PTFE
11	Stem Ring	1	PTFE	PTFE
12	Pin	1	1,0737	1,4404
13	Flange o-ring	1	NBR	NBR
14	Stem o-ring	2	NBR	NBR
15	Seeger	1	1,4301	1,4301
16	T.C.E.I. Screw	8	DIN6921 8.8	ISO4762 A2
17	T.E. Screw	1	DIN6921 8.8	ISO4762 A2





CODE DESCRIPTION STRUCTURE

GR	S3	DN50	2	2	M	2	A	B

Type and way of valve
GRS 2-way

Ends

VALVE DIMENSION OF PRESSURE (PSI)

S3	S6
S3000	S6000

Size
from DN13 to DN125

Body Material
- **2** = 1,0570
- **4** = 1,4404

Adapter material
- **2** = 1,0570
- **4** = 1,4404

Stem material
- **M** =1,4542
- **M** =1,4542

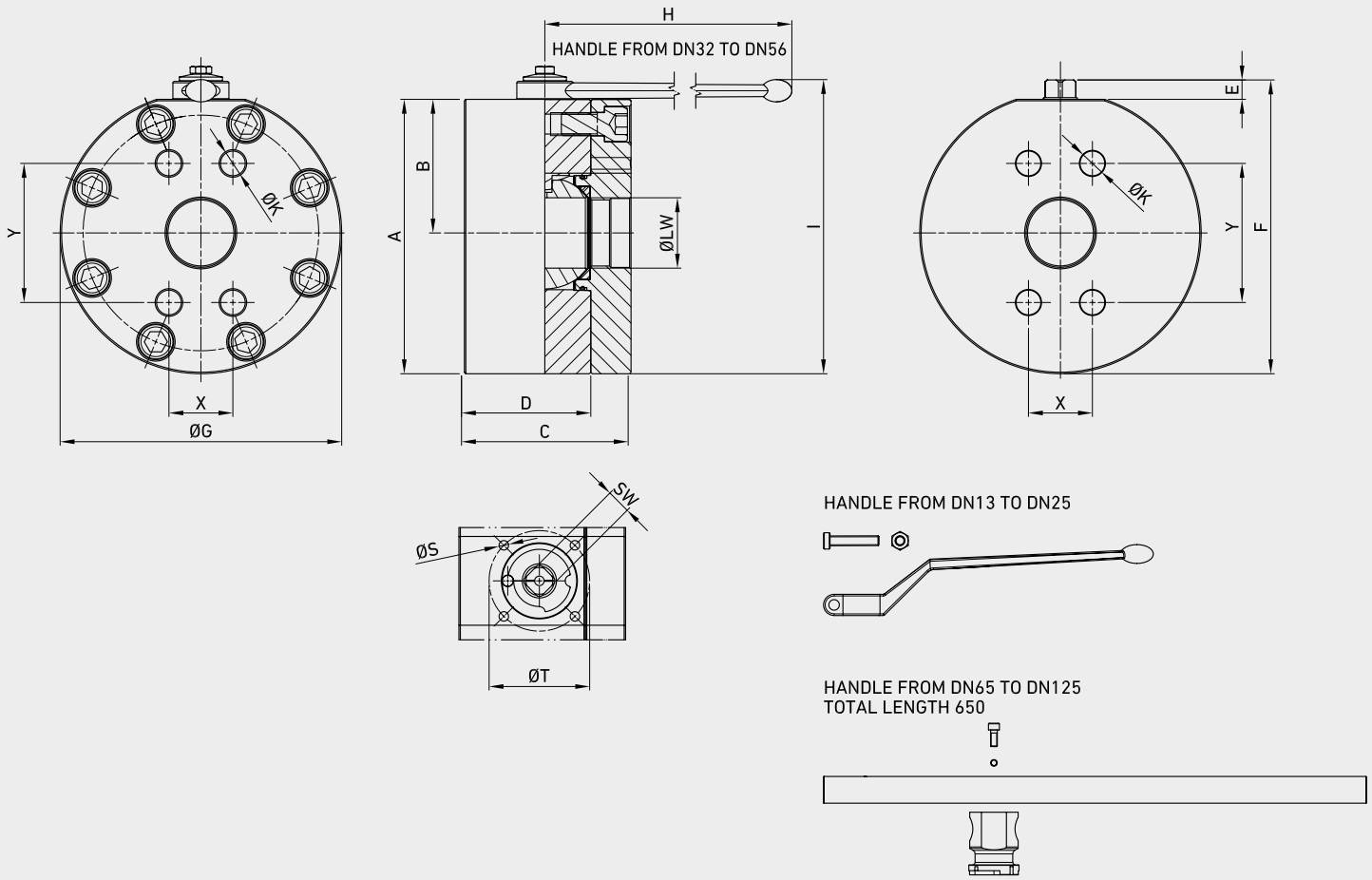
Ball Material
- **2** = 1,0570 **4** = 1,4404*
- **4** = 1,4404

Seat material
A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

Seal material
B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request
- Reduced bore
- Special threads
- Pressure class up to PN40 Mpa
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



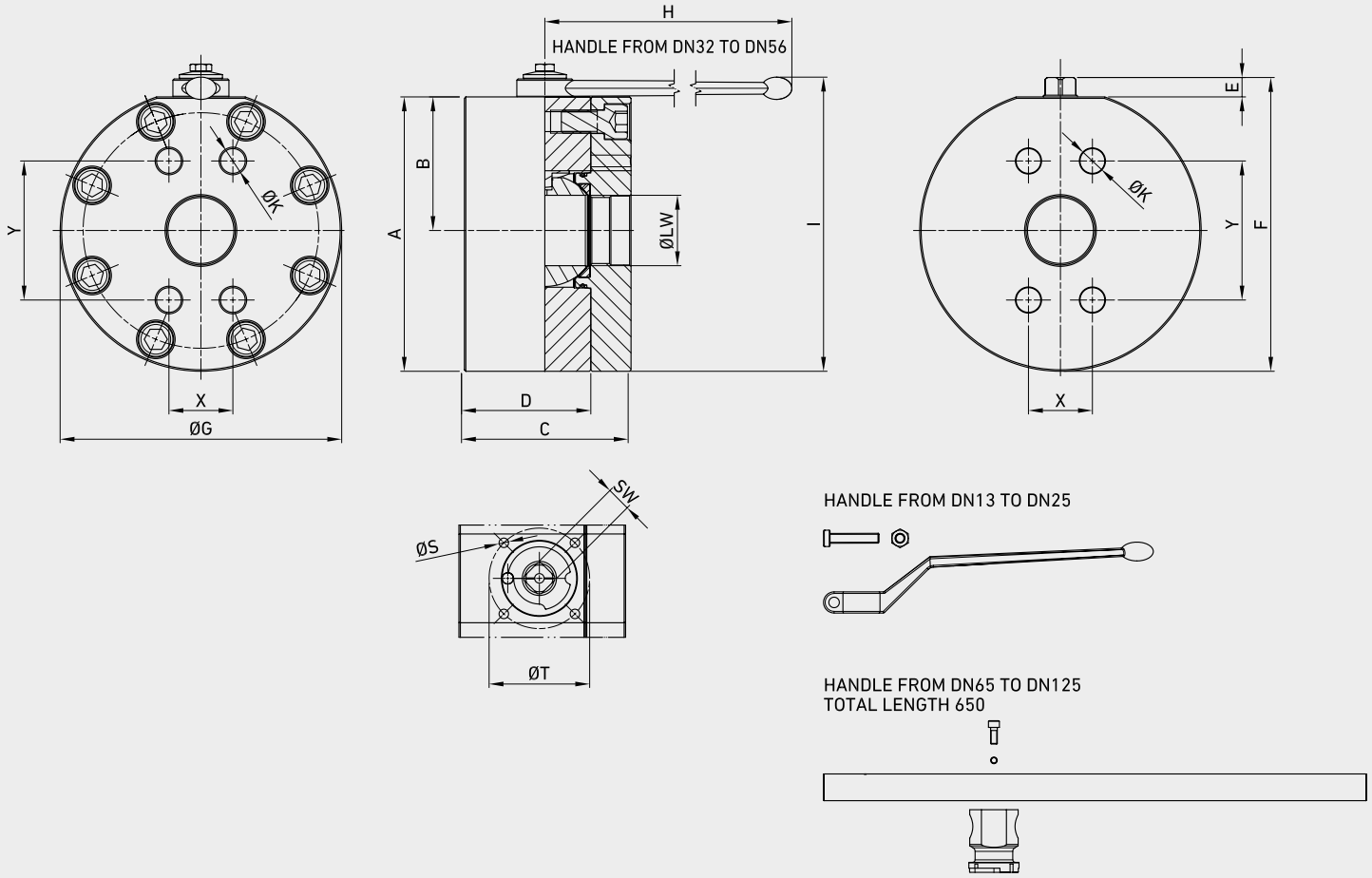
GRS SAE J518 S3000

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK	ØT	ØS	X	Y	ISO5211	SW	ØLW	WEIGHT	Carbon Steel (CS) ITEM CODE	Stainless Steel (SS) ITEM CODE
GRS3	13	MPa	21	mm	67	28	75	58	11	78,3	78	110	121	M8	36	M5	17,5	38,1	F03	9	13	kg 2,405	GR2FFT3F022A000	GR2FFT3F044A000
		Psi	3045	inch	2,64	1,10	2,95	2,28	0,43	3,08	3,07	4,33	4,76		1,42		0,69	1,50		0,35	0,51	lb 5,30		
GRS3	20	MPa	21	mm	85,5	36,5	80	60	14	100	103	180	132	M10	50	M6	22,2	47,6	F05	14	20	kg 3,902	GR2FFT4F022A000	GR2FFT4F044A000
		Psi	3045	inch	3,37	1,44	3,15	2,36	0,55	3,94	4,06	7,09	5,20		1,97		0,87	1,87		0,55	0,79	lb 8,60		
GRS3	25	MPa	21	mm	98,5	39,5	88	69	14	113	118	180	142	M10	50	M6	26,2	52,4	F05	14	25	kg 6,317	GR2FFT5F022A000	GR2FFT5F044A000
		Psi	3045	inch	3,88	1,56	3,46	2,72	0,55	4,45	4,65	7,09	5,59		1,97		1,03	2,06		0,55	0,98	lb 13,93		
GRS3	32	MPa	21	mm	143,5	70,9	100	73	14	162	145	300	163	M10	50	M6	30,2	58,7	F05	17	32	kg 12,228	GR2FFT6F02PA000	GR2FFT6F04NA000
		Psi	3045	inch	5,65	2,79	3,94	2,87	0,55	6,38	5,71	11,81	6,42		1,97		1,19	2,31		0,67	1,26	lb 26,96		
GRS3	40	MPa	21	mm	160	78	110	80	14	178,5	165	300	180	M12	50	M6	35,7	69,8	F05	17	38	kg 16,867	GR2FFT7F02PA000	GR2FFT7F04NA000
		Psi	3045	inch	6,30	3,07	4,33	3,15	0,55	7,03	6,50	11,81	7,09		1,97		1,41	2,75		0,67	1,50	lb 37,19		
GRS3	50	MPa	21	mm	192	93	116	90	14	205,5	196	300	205	M12	70	M8	42,9	77,8	F07	17	48	kg 25,606	GR2FFT8F02PA000	GR2FFT8F04NA000
		Psi	3045	inch	7,56	3,66	4,57	3,54	0,55	8,09	7,72	11,81	8,07		2,76		1,69	3,06		0,67	1,89	lb 56,45		
GRS3	65	MPa	17,5	mm	198	93	150	107	20,5	212	203	600	266	M12	70	M8	50,8	88,9	F07	19	63	kg 32,717	GR2FFT9F02PA000	GR2FFT9F04NA000
		Psi	2537,5	inch	7,80	3,66	5,91	4,21	0,81	8,35	7,99	23,6	10,47		2,76		2,00	3,50		0,75	2,48	lb 72,13		
GRS3	80	MPa	16	mm	205	100	150	107	22	227,5	210	600	277	M16	70	M8	61,9	106,4	F07	19	73	kg 36,413	GR2FFTAF02PA000	GR2FFTAF04NA000
		Psi	2320	inch	8,07	3,94	5,91	4,21	0,87	8,96	8,27	23,6	10,91		2,76		2,44	4,19		0,75	2,87	lb 80,28		
GRS3	100	MPa	3,5	mm	251	122	170	132	27	278	258	600	326	M16	102	M10	77,9	130,2	F10	24	95	kg 61,273	GR2FFTBF02PA000	GR2FFTBF04NA000
		Psi	507,5	inch	9,88	4,80	6,69	5,20	1,06	10,9	10,2	23,6	12,83		4,02		3,07	5,13		0,94	3,74	lb 135,08		
GRS3	125	MPa	3,5	mm	288	140	210	160	35	322	310	600	389	M16	125	M12	92,1	152,4	F12	36	115	kg 98,048	GR2FFTCF02PA000	GR2FFTCF04NA000
		Psi	507,5	inch	11,3	5,51	8,27	6,30	1,38	12,7	12,2	23,6	15,31		4,92		3,63	6,00		1,42	4,53	lb 216,16		

The company reserves the right to operate dimensional changes without prior notice.

GRS SAE J518 S3000 UNC

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK	ØT	ØS	X	Y	ISO5211	SW	ØLW	WEIGHT		CS Carbon Steel	SS Stainless Steel
																								ITEM CODE	
GRS3	13	MPa	21	mm	67	28	75	58	11	78,3	78	110	121	5/16	36	M5	17,5	38,1	F03	9	13	kg	2,405	GR2FUT3F022A000	GR2FUT3F044A000
		Psi	3045	inch	2,64	1,10	2,95	2,28	0,43	3,08	3,07	4,33	4,76	UNC	1,42		0,69	1,50		0,35	0,51	lb	5,30		
GRS3	20	MPa	21	mm	85,5	36,5	80	60	14	100	103	180	132	3/8	50	M6	22,2	47,6	F05	14	20	kg	3,902	GR2FUT4F022A000	GR2FUT4F044A000
		Psi	3045	inch	3,37	1,44	3,15	2,36	0,55	3,94	4,06	7,09	5,20	UNC	1,97		0,87	1,87		0,55	0,79	lb	8,60		
GRS3	25	MPa	21	mm	98,5	39,5	88	69	14	113	118	180	142	3/8	50	M6	26,2	52,4	F05	14	25	kg	6,317	GR2FUT5F022A000	GR2FUT5F044A000
		Psi	3045	inch	3,88	1,56	3,46	2,72	0,55	4,45	4,65	7,09	5,59	UNC	1,97		1,03	2,06		0,55	0,98	lb	13,93		
GRS3	32	MPa	21	mm	143,5	70,9	100	73	14	162	145	300	163	7/16	50	M6	30,2	58,7	F05	17	32	kg	12,228	GR2FUT6F02PA000	GR2FUT6F04NA000
		Psi	3045	inch	5,65	2,79	3,94	2,87	0,55	6,38	5,71	11,8	6,42	UNC	1,97		1,19	2,31		0,67	1,26	lb	26,96		
GRS3	40	MPa	21	mm	160	78	110	80	14	178,5	165	300	180	1/2	50	M6	35,7	69,8	F05	17	38	kg	16,867	GR2FUT7F02PA000	GR2FUT7F04NA000
		Psi	3045	inch	6,30	3,07	4,33	3,15	0,55	7,03	6,50	11,8	7,09	UNC	1,97		1,41	2,75		0,67	1,50	lb	37,19		
GRS3	50	MPa	21	mm	192	93	116	90	14	205,5	196	300	205	1/2	70	M8	42,9	77,8	F07	17	48	kg	25,606	GR2FUT8F02PA000	GR2FUT8F04NA000
		Psi	3045	inch	7,56	3,66	4,57	3,54	0,55	8,09	7,72	11,8	8,07	UNC	2,76		1,69	3,06		0,67	1,89	lb	56,45		
GRS3	65	MPa	17,5	mm	198	93	150	107	20,5	212	203	600	266	1/2	70	M8	50,8	88,9	F07	19	63	kg	32,717	GR2FUT9F02PA000	GR2FUT9F04NA000
		Psi	2537,5	inch	7,80	3,66	5,91	4,21	0,81	8,35	7,99	23,2	10,47	UNC	2,76		2,00	3,50		0,75	2,48	lb	72,13		
GRS3	80	MPa	16	mm	205	100	150	107	22	227,5	210	600	277	5/8	70	M8	61,9	106,4	F07	19	73	kg	36,413	GR2FUTAF02PA000	GR2FUTAF04NA000
		Psi	2320	inch	8,07	3,94	5,91	4,21	0,87	8,96	8,27	23,6	10,91	UNC	2,76		2,44	4,19		0,75	2,87	lb	80,28		
GRS3	100	MPa	3,5	mm	251	122	170	132	27	278	258	600	326	5/8	102	M10	77,9	130,2	F10	24	95	kg	61,273	GR2FUTBF02PA000	GR2FUTBF04NA000
		Psi	507,5	inch	9,88	4,80	6,69	5,20	1,06	10,9	10,2	23,6	12,83	UNC	4,02		3,07	5,13		0,94	3,74	lb	135,08		
GRS3	125	MPa	3,5	mm	288	140	210	160	35	322	310	600	389	5/8	125	M12	92,1	152,4	F12	36	115	kg	98,048	GR2FUTCF02PA000	GR2FUTCF04NA000
		Psi	507,5	inch	11,4	5,51	8,27	6,30	1,38	12,6	12,2	23,6	15,31	UNC	4,92		3,63	6,00		1,42	4,53	lb	216,16		



GRS SAE J518 S6000

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK	ØT	ØS	X	Y	ISO5211	SW	ØLW	WEIGHT		CS Carbon Steel	SS Stainless Steel
GRS6	13	MPa	42	mm	67	28	75	58	11	78,3	78	110	121	M8	36	M5	18,2	40,5	F03	9	13	kg	2,405	ITEM CODE	GR2FFT3G022A000	GR2FFT3G044A000
		Psi	6090	inch	2,64	1,10	2,95	2,28	0,43	3,08	3,07	4,33	4,76		1,42		0,72	1,59		0,35	0,51	lb	5,30			
GRS6	20	MPa	42	mm	85,5	36,5	80	60	14	100	103	180	132	M10	50	M6	23,8	50,8	F05	14	20	kg	3,902		GR2FFT4G022A000	GR2FFT4G044A000
		Psi	6090	inch	3,37	1,44	3,15	2,36	0,55	3,94	4,06	7,09	5,20		1,97		0,94	2,00		0,55	0,79	lb	8,60			
GRS6	25	MPa	42	mm	98,5	39,5	88	69	14	113	118	180	142	M12	50	M6	27,8	57,2	F05	14	25	kg	6,317		GR2FFT5G022A000	GR2FFT5G044A000
		Psi	6090	inch	3,88	1,56	3,46	2,72	0,55	4,45	4,65	7,09	5,59		1,97		1,09	2,25		0,55	0,98	lb	13,93			
GRS6	32	MPa	42	mm	143,5	70,9	100	73	14	162	145	300	163	M12	50	M6	31,8	66,7	F05	17	32	kg	12,228		GR2FFT6G02PA000	GR2FFT6G04NA000
		Psi	6090	inch	5,65	2,79	3,94	2,87	0,55	6,38	5,71	11,8	6,42		1,97		1,25	2,63		0,67	1,26	lb	26,96			
GRS6	40	MPa	42	mm	160	78	110	80	14	178,5	165	300	180	M16	50	M6	36,5	79,4	F05	17	38	kg	16,867		GR2FFT7G02PA000	GR2FFT7G04NA000
		Psi	6090	inch	6,30	3,07	4,33	3,15	0,55	7,03	6,50	11,8	7,09		1,97		1,44	3,13		0,67	1,50	lb	37,19			
GRS6	50	MPa	42	mm	192	93	116	90	14	205,5	196	300	205	M20	70	M8	44,5	96,8	F07	17	48	kg	25,606		GR2FFT8G02PA000	GR2FFT8G04NA000
		Psi	6090	inch	7,56	3,66	4,57	3,54	0,55	8,09	7,72	11,8	8,07		2,76		1,75	3,81		0,67	1,89	lb	56,45			

GRS SAE J518 S6000 UNC

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØK	ØT	ØS	X	Y	ISO5211	SW	ØLW	WEIGHT		Carbon Steel	Stainless Steel
																								ITEM CODE	
GRS6	13	MPa	42	mm	67	28	75	58	11	78,3	78	110	121	5/16	36	M5	18,2	40,5	F03	9	13	kg	2,405	GR2FUT3G022A000	GR2FUT3G044A000
		Psi	6090	inch	2,64	1,10	2,95	2,28	0,43	3,08	3,07	4,33	4,76	UNC	1,42		0,72	1,59		0,35	0,51	lb	5,30		
GRS6	20	MPa	42	mm	85,5	36,5	80	60	14	100	103	180	132	3/8	50	M6	23,8	50,8	F05	14	20	kg	3,902	GR2FUT4G022A000	GR2FUT4G044A000
		Psi	6090	inch	3,37	1,44	3,15	2,36	0,55	3,94	4,06	7,09	5,20	UNC	1,97		0,94	2,00		0,55	0,79	lb	8,60		
GRS6	25	MPa	42	mm	98,5	39,5	88	69	14	113	118	180	152	7/16	50	M6	27,8	57,2	F05	14	25	kg	6,317	GR2FUT5G022A000	GR2FUT5G044A000
		Psi	6090	inch	3,88	1,56	3,46	2,72	0,55	4,45	4,65	7,09	5,98	UNC	1,97		1,09	2,25		0,55	0,98	lb	13,93		
GRS6	32	MPa	42	mm	143,5	70,9	100	73	14	162	145	300	163	1/2	50	M6	31,8	66,7	F05	17	32	kg	12,228	GR2FUT6G02PA000	GR2FUT6G04NA000
		Psi	6090	inch	5,65	2,79	3,94	2,87	0,55	6,38	5,71	11,81	6,42	UNC	1,97		1,25	2,63		0,67	1,26	lb	26,96		
GRS6	40	MPa	42	mm	160	78	110	80	14	178,5	165	300	180	5/8	50	M6	36,5	79,4	F05	17	38	kg	16,867	GR2FUT7G02PA000	GR2FUT7G04NA000
		Psi	6090	inch	6,30	3,07	4,33	3,15	0,55	7,03	6,50	11,81	7,09	UNC	1,97		1,44	3,13		0,67	1,50	lb	37,19		
GRS6	50	MPa	42	mm	192	93	116	90	14	205,5	196	300	205	3/4	70	M8	44,5	96,8	F07	17	48	kg	25,606	GR2FUT8G02PA000	GR2FUT8G04NA000
		Psi	6090	inch	7,56	3,66	4,57	3,54	0,55	8,09	7,72	11,81	8,07	UNC	2,76		1,75	3,81		0,67	1,89	lb	56,45		

GHP

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.0

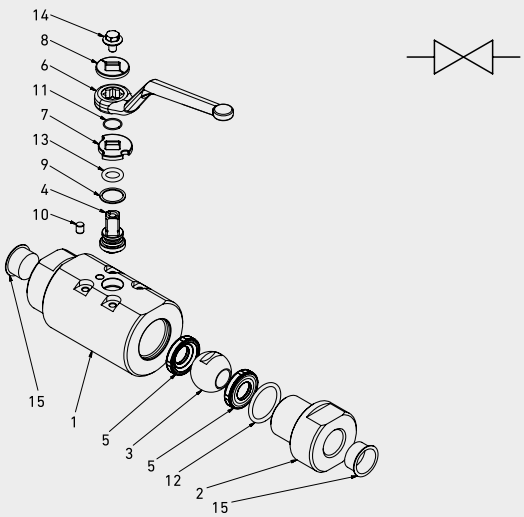
CS Carbon Steel

- Type: ball valve 2 way
- Sizes: from DN13 up to DN100
- Ends: BSP-NPT
- Pressure: up to PN370
- Temp range: from -20°C to +100°C

SS Stainless Steel

- Type: ball valve 2 way
- Sizes: from DN13 up to DN100
- Ends: BSP-NPT
- Pressure: up to PN370
- Temp range: from -30°C to +100°C

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0570	1,4404
2	Adapter	1	1,0570	1,4404
3	Ball	1	1,4404	1,4404
4	Stem	1	1,4404	1,4404
5	Ball seat	2	POM	POM
6	Handle	1	ZINC	ZINC
7	Washer	1	1,0116	1,4301
8	Washer	1	1,0116	1,4301
9	Stem ring	1	POM	POM
10	Pin	1	1,0737	1,4301
11	Seeger	1	1,4301	1,4301
12	Adapter o-ring	1	NBR	NBR
13	Stem o-ring	1	NBR	NBR
14	Screw	1	Din 6921 8.8	Din 6921 A2
15	Caps	2	PVC	PVC





CODE DESCRIPTION STRUCTURE

GHP	G1 1/2	DN13	2	2	4	4	A	B

Type and way of valve

GHP 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1
G 1/2	N 1/2
G 3/4	N 3/4
G 1	N 1
G 1 1/4	N 1 1/4
G 1 1/2	N 1 1/2
G 2	N 2
G 2 1/2	N 2 1/2
G 3	N 3
G 4	N 4

Size

from DN13 to DN100

Body Material

- **2** = 1,0570
- **4** = 1,4404

Adapter material

- **2** = 1,0570
- **4** = 1,4404

Stem material

- **4** = 1,4404 **M** = 1,4542
- **4** = 1,4404 **M** = 1,4542

Ball Material

- **4** = 1,4404
- **4** = 1,4404

Seat material

A = POM **D** = PEEK* **G** = PA612* **K** = GEMPTFE* **C** = PTFE*

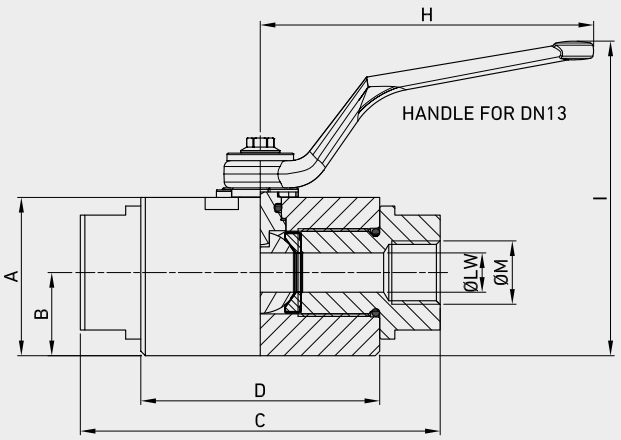
Seal material

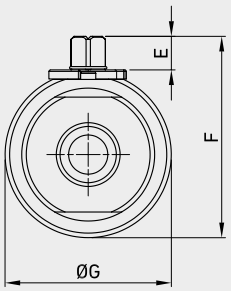
B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request

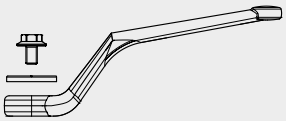
- Reduced bore
- Special threads
- Pressure class up to PN42 MPa
- Pneumatic and electrical actuator
- Security block
- Locking device

For further special requests please consult our technical/commercial service.

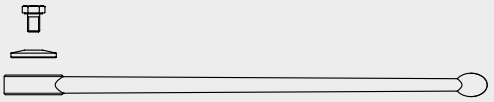




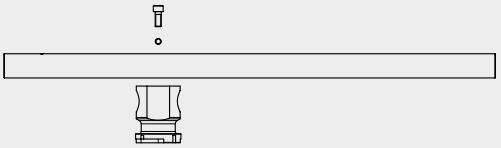
HANDLE FROM DN20 TO DN25

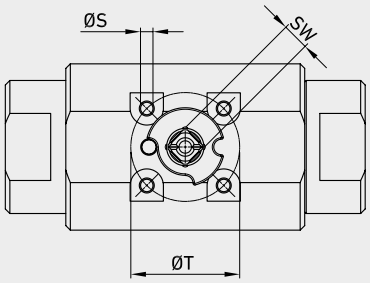


HANDLE FROM DN32 TO DN50



HANDLE FROM DN65 TO DN100
TOTAL LENGTH 650





GHP DIN/ISO 228 BSP

TYPE	DN	PN		A	B	C	D	E	F	ØG	H	I	ØM	ØS	ØT	ISO5211	SW	ØLW	WEIGHT	Carbon Steel ITEM CODE	Stainless Steel ITEM CODE
GHP G 1/2	13	MPa	37	mm	53	27,5	119	79	11	66,5	55	110	102,5	G 1/2	M5	36	F03	9	13	kg 1,81	GH2GGT3H024A000	GH2GGT3H044A000
		Psi	5365	inch	2,09	1,08	4,69	3,11	0,43	2,62	2,17	4,33	4,04			1,42		0,35	0,51	lb 3,99		
GHP G 3/4	20	MPa	37	mm	70	38,5	149	99	14	88,6	77	180	118	G 3/4	M6	50	F05	14	20	kg 4,378	GH2GGT4H024A000	GH2GGT4H044A000
		Psi	5365	inch	2,76	1,52	5,87	3,90	0,55	3,49	3,03	7,09	4,65			1,97		0,55	0,79	lb 9,65		
GHP G 1	25	MPa	37	mm	80,5	45	168	105	14	99	90	180	129	G 1	M6	50	F05	14	25	kg 6,219	GH2GGT5H024A000	GH2GGT5H044A000
		Psi	5365	inch	3,17	1,77	6,61	4,13	0,55	3,90	3,54	7,09	5,08			1,97		0,55	0,98	lb 13,71		
GHP G 1 1/4	32	MPa	37	mm	95	48,5	156	106	14	113	97	300	112	G 1 1/4	M6	50	F05	17	32	kg 6,74	GH2GGT6H024A000	GH2GGT6H044A000
		Psi	5365	inch	3,74	1,91	6,14	4,17	0,55	4,45	3,82	11,81	4,41			1,97		0,67	1,26	lb 14,86		
GHP G 1 1/2	40	MPa	37	mm	111,5	58	166,5	110,5	14	130	116	300	128	G 1 1/2	M6	50	F05	17	40	kg 10	GH2GGT7H024A000	GH2GGT7H044A000
		Psi	5365	inch	4,39	2,28	6,56	4,35	0,55	5,12	4,57	11,81	5,04			1,97		0,67	1,57	lb 22,05		
GHP G 2	50	MPa	37	mm	118,5	61,5	175	115	14	137	123	300	137	G 2	M6	50	F05	17	49	kg 11,169	GH2GGT8H024A000	GH2GGT8H044A000
		Psi	5365	inch	4,67	2,42	6,89	4,53	0,55	5,39	4,84	11,81	5,39			1,97		0,67	1,93	lb 24,62		
GHP G 2 1/2	65	MPa	37	mm	184,5	93,5	211,5	131,5	30,5	223,5	187	600	280	G 2 1/2	M10	102	F10	24	63	kg 36,5	GH2GGT9H02NA000	GH2GGT9H04NA000
		Psi	5365	inch	7,26	3,68	8,33	5,18	1,20	8,80	7,36	23,62	11,02			4,02		0,94	2,48	lb 80,47		
GHP G 3	80	MPa	37	mm	200	102	239	162,5	30,5	239	204	600	294	G 3	M10	102	F10	24	74	kg 46,5	GH2GGTAH02NA000	GH2GGTAH04NA000
		Psi	5365	inch	7,87	4,02	9,41	6,40	1,20	9,41	8,03	23,62	11,57			4,02		0,94	2,91	lb 102,51		
GHP G 4	100	MPa	37	mm	236	120	295,5	218	31	268,5	240	450	316,5	G 4	M10	102	F10	24	95	kg 77	GH2GGTBH02NA000	GH2GGTBH04NA000
		Psi	5365	inch	9,29	4,72	11,63	8,58	1,22	10,57	9,45	17,72	12,46			4,02		0,94	3,74	lb 169,76		

The company reserves the right to operate dimensional changes without prior notice.

GHP ANSI-ASME B1.20.1 NPT

TYPE	DN	PN			A	B	C	D	E	F	ØG	H	I	ØM	ØS	ØT	ISO5211	SW	ØLW	WEIGHT		Carbon Steel	Stainless Steel
																						ITEM CODE	
GHP N 1/2	13	MPa	37	mm	53	27,5	119	79	11	66,5	55	110	102,5	N 1/2	M5	36	F03	9	13	kg	1,81	GH2NNT3H024A000	GH2NNT3H044A000
		Psi	5365	inch	2,09	1,08	4,69	3,11	0,43	2,62	2,17	4,33	4,04			1,42		0,35	0,51	lb	3,99		
GHP N 3/4	20	MPa	37	mm	70	38,5	149	99	14	88,6	77	180	118	N 3/4	M6	50	F05	14	20	kg	4,378	GH2NNT4H024A000	GH2NNT4H044A000
		Psi	5365	inch	2,76	1,52	5,87	3,90	0,55	3,49	3,03	7,09	4,65			1,97		0,55	0,79	lb	9,65		
GHP N 1	25	MPa	37	mm	80,5	45	168	105	14	99	90	180	129	N 1	M6	50	F05	14	25	kg	6,219	GH2NNT5H024A000	GH2NNT5H044A000
		Psi	5365	inch	3,17	1,77	6,61	4,13	0,55	3,90	3,54	7,09	5,08			1,97		0,55	0,98	lb	13,71		
GHP N 1 1/4	32	MPa	37	mm	95	48,5	156	106	14	113	97	300	112	N 1 1/4	M6	50	F05	17	32	kg	6,74	GH2NNT6H024A000	GH2NNT6H044A000
		Psi	5365	inch	3,74	1,91	6,14	4,17	0,55	4,45	3,82	11,81	4,41			1,97		0,67	1,26	lb	14,86		
GHP N 1 1/2	40	MPa	37	mm	111,5	58	166,5	110,5	14	130	116	300	128	N 1 1/2	M6	50	F05	17	40	kg	10	GH2NNT7H024A000	GH2NNT7H044A000
		Psi	5365	inch	4,39	2,28	6,56	4,35	0,55	5,12	4,57	11,81	5,04			1,97		0,67	1,57	lb	22,05		
GHP N 2	50	MPa	37	mm	118,5	61,5	175	115	14	137	123	300	137	N 2	M6	50	F05	17	49	kg	11,169	GH2NNT8H024A000	GH2NNT8H044A000
		Psi	5365	inch	4,67	2,42	6,89	4,53	0,55	5,39	4,84	11,81	5,39			1,97		0,67	1,93	lb	24,62		
GHP N 2 1/2	65	MPa	37	mm	184,5	93,5	211,5	131,5	30,5	223,5	187	600	280	N 2 1/2	M10	102	F10	24	63	kg	36,5	GH2NNT9H02NA000	GH2NNT9H04NA000
		Psi	5365	inch	7,26	3,68	8,33	5,18	1,20	8,80	7,36	23,62	11,02			4,02		0,94	2,48	lb	80,47		
GHP N 3	80	MPa	37	mm	200	102	239	162,5	30,5	239	204	600	294	N 3	M10	102	F10	24	74	kg	46,5	GH2NNTAH02NA000	GH2NNTAH04NA000
		Psi	5365	inch	7,87	4,02	9,41	6,40	1,20	9,41	8,03	23,62	11,57			4,02		0,94	2,91	lb	102,51		
GHP N 4	100	MPa	37	mm	236	120	295,5	218	31	268,5	240	450	316,5	N 4	M10	102	F10	24	95	kg	77	GH2NNTBH02NA000	GH2NNTBH04NA000
		Psi	5365	inch	9,29	4,72	11,63	8,58	1,22	10,57	9,45	17,72	12,46			4,02		0,94	3,74	lb	169,76		





VALVES

HYDRAULIC VALVES

Beside our ball valves, **GEMELS** includes in the range a wide variety of models, customized solutions and hydraulic valves such as overcenter, manifold, swivel joints, flow dividers, check valves, pressure relief valves. This allow **GEMELS** to guarantee to our customers and distributors a full package for different application like: agriculture, automotive, naval, firefighting, CNG, steel plant, aerospace and many others.

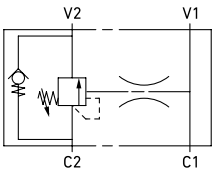
VOSE

SINGLE EFFECT OVERCENTER VALVE

Edition. 21.0

CS Carbon Steel

- Type: Single Effect
- Overcenter Valve
- Sizes: DN6-DN20
- Ends: BSP-NPT-SAE
- Pressure: up to PN350
- Temp range: from -20°C to +90°C





STRUCTURE

Type and way of valve	Ends			Material
	GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1	
VOSE	G 1/4	N 1/4	SAE4	CS CARBON STEEL
	G 3/8	N 3/8	SAE6	
	G 1/2	N 1/2	SAE8	
	G 3/4	N 3/4	SAE12	

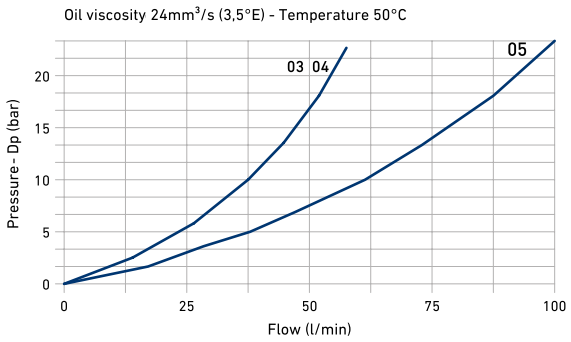


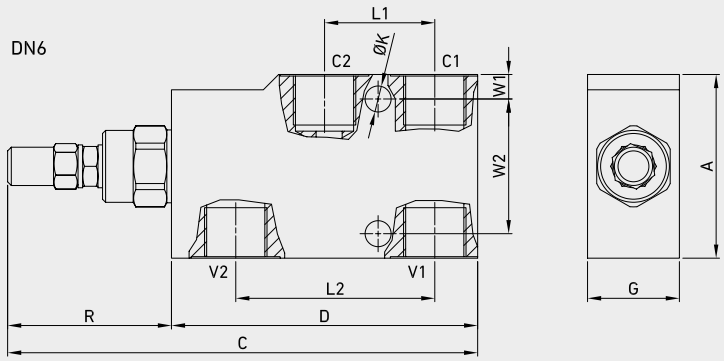
FEATURES

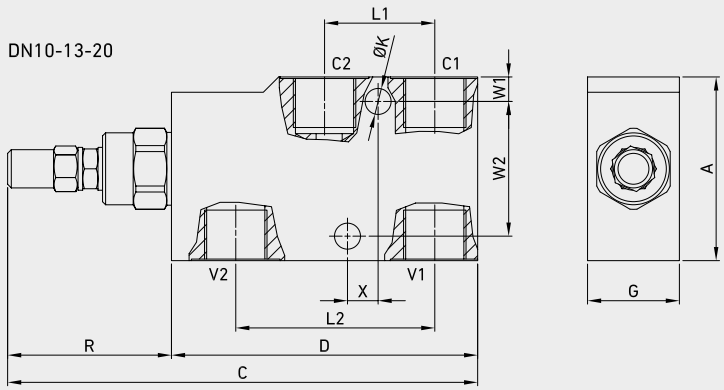
PILOT RATIO	FLUID VISCOSITY	FILTRATION	FLUID TEMPERATURE	AMBIENT TEMPERATURE	STANDARD SEALS	ADJUSTMENT
4.25:1	ISO 3448	ISO4406	-20°C +90°C	-20°C +50°C	NBR	Steel cap
6.25:1						

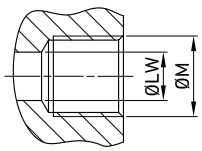
*On request
- Pilot ratio 8:1 and 11:1
- Bigger sizes
- Tamper proof cap

PERFORMANCES V to C







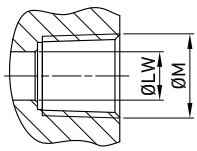


VOSE DIN/ISO 228 BSP

CS Carbon Steel

TYPE	DN	PN	STANDARD SETTING	SETTING RANGE		A	C	D	G	L1	L2	R	ØM	ØK	W1	W2	X	PILOT RATIO	MAX FLOW (l/min)	WEIGHT	ITEM CODE
VOSE G 1/4	6	MPa 35	30	6-35	mm	50	149	95	25	30	58	54	G 1/4	6,5	7	36	-	4.25:1	30	kg 0,9	NVO2G010000
		Psi 5075	4350	870-5075	inch	1,97	5,87	3,74	0,98	1,18	2,28	2,13		0,26	0,28	1,42	-			lb 1,98	
VOSE G 3/8	10	MPa 35	30	6-35	mm	60	153,5	100	30	30	60	53,5	G 3/8	8,5	8	44	10	4.25:1	40	kg 1,25	NVO2G020000
		Psi 5075	4350	870-5075	inch	2,36	6,04	3,94	1,18	1,18	2,36	2,11		0,33	0,31	1,73	0,39			lb 2,76	
VOSE G 1/2	13	MPa 35	30	6-35	mm	60	153,5	100	30	36	65	53,5	G 1/2	8,5	8	44	10	4.25:1	60	kg 1,2	NVO2G030000
		Psi 5075	30	870-5075	inch	2,36	6,04	3,94	1,18	1,42	2,56	2,11		0,33	0,31	1,73	0,39			lb 2,65	
VOSE G 3/4	20	MPa 35	30	6-35	mm	80	183	127	35	46	85	56	G 3/4	8,5	18	44	10	6.25:1	90	kg 2,3	NVO2G040000
		Psi 5075	4350	870-5075	inch	3,15	7,20	5,00	1,38	1,81	3,35	2,20		0,33	0,71	1,73	0,39			lb 5,07	

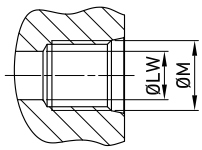
The company reserves the right to operate dimensional changes without prior notice.



VOSE ANSI/ASME B1.20.1 NPT

CS Carbon Steel

TYPE	DN	PN	STANDARD SETTING	SETTING RANGE	A	C	D	G	L1	L2	R	ØM	ØK	W1	W2	X	PILOT RATIO	MAX FLOW (l/min)	WEIGHT	ITEM CODE
VOSE N 1/4	6	MPa 35	30	6-35	mm 50	149	95	25	30	58	54	N 1/4	6,5	7	36	-	4.25:1	30	kg 0,9	NVO2N010000
		Psi 5075	4350	870-5075	inch 1,97	5,87	3,74	0,98	1,18	2,28	2,13		0,26	0,28	1,42	-			lb 1,98	
VOSE N 3/8	10	MPa 35	30	6-35	mm 60	153,5	100	30	30	60	53,5	N 3/8	8,5	8	44	10	4.25:1	40	kg 1,25	NVO2N020000
		Psi 5075	4350	870-5075	inch 2,36	6,04	3,94	1,18	1,18	2,36	2,11		0,33	0,31	1,73	0,39			lb 2,76	
VOSE N 1/2	13	MPa 35	30	6-35	mm 60	153,5	100	30	36	65	53,5	N 1/2	8,5	8	44	10	4.25:1	60	kg 1,2	NVO2N030000
		Psi 5075	30	870-5075	inch 2,36	6,04	3,94	1,18	1,42	2,56	2,11		0,33	0,31	1,73	0,39			lb 2,65	
VOSE N 3/4	20	MPa 35	30	6-35	mm 80	183	127	35	46	85	56	N 3/4	8,5	18	44	10	6.25:1	90	kg 2,3	NVO2N040000
		Psi 5075	4350	870-5075	inch 3,15	7,20	5,00	1,38	1,81	3,35	2,20		0,33	0,71	1,73	0,39			lb 5,07	



VOSE SAE J1926-1

CS Carbon Steel

TYPE	DN	PN	STANDARD SETTING	SETTING RANGE	A	C	D	G	L1	L2	R	ØM	ØK	W1	W2	X	PILOT RATIO	MAX FLOW (l/min)	WEIGHT	ITEM CODE
VOSE SAE 4	6	MPa 35	30	6-35	mm 50	149	95	25	30	58	54	7/16	6,5	7	36	-	4.25:1	30	kg 0,9	NVO2S010000
		Psi 5075	4350	870-5075	inch 1,97	5,87	3,74	0,98	1,18	2,28	2,13	UNF	0,26	0,28	1,42	-			lb 1,98	
VOSE SAE 6	10	MPa 35	30	6-35	mm 60	153,5	100	30	30	60	53,5	9/16	8,5	8	44	10	4.25:1	40	kg 1,25	NVO2S020000
		Psi 5075	4350	870-5075	inch 2,36	6,04	3,94	1,18	1,18	2,36	2,11	UNF	0,33	0,31	1,73	0,39			lb 2,76	
VOSE SAE 8	13	MPa 35	30	6-35	mm 60	153,5	100	30	36	65	53,5	3/4 - 16	8,5	8	44	10	4.25:1	60	kg 1,2	NVO2S030000
		Psi 5075	30	870-5075	inch 2,36	6,04	3,94	1,18	1,42	2,56	2,11	UNF	0,33	0,31	1,73	0,39			lb 2,65	
VOSE SAE 12	20	MPa 35	30	6-35	mm 80	183	127	35	46	85	56	1 1/16	8,5	18	44	10	6.25:1	90	kg 2,3	NVO2S040000
		Psi 5075	4350	870-5075	inch 3,15	7,20	5,00	1,38	1,81	3,35	2,20	- 12 UN	0,33	0,71	1,73	0,39			lb 5,07	

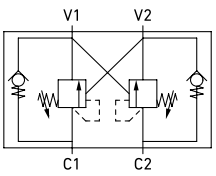
VODE

DOUBLE EFFECT OVERCENTER VALVE

Edition. 21.0

CS Carbon Steel

- Type: Double Effect Overcenter Valve
- Sizes: DN6-DN20
- Ends: BSP-NPT-SAE
- Pressure: up to PN350
- Temp range: from -20°C to +90°C





STRUCTURE

Type and way of valve	Ends			Material
	GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1	
VODE	G 1/4	N 1/4	SAE4	CS CARBON STEEL
	G 3/8	N 3/8	SAE6	
	G 1/2	N 1/2	SAE8	
	G 3/4	N 3/4	SAE12	

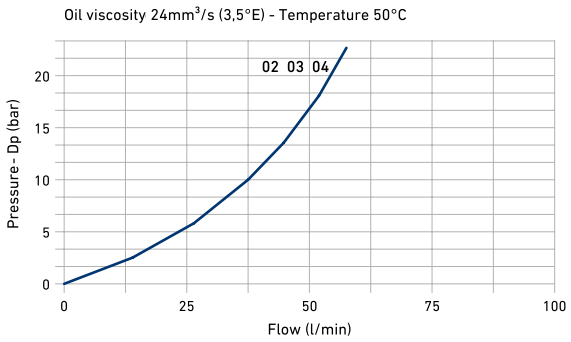


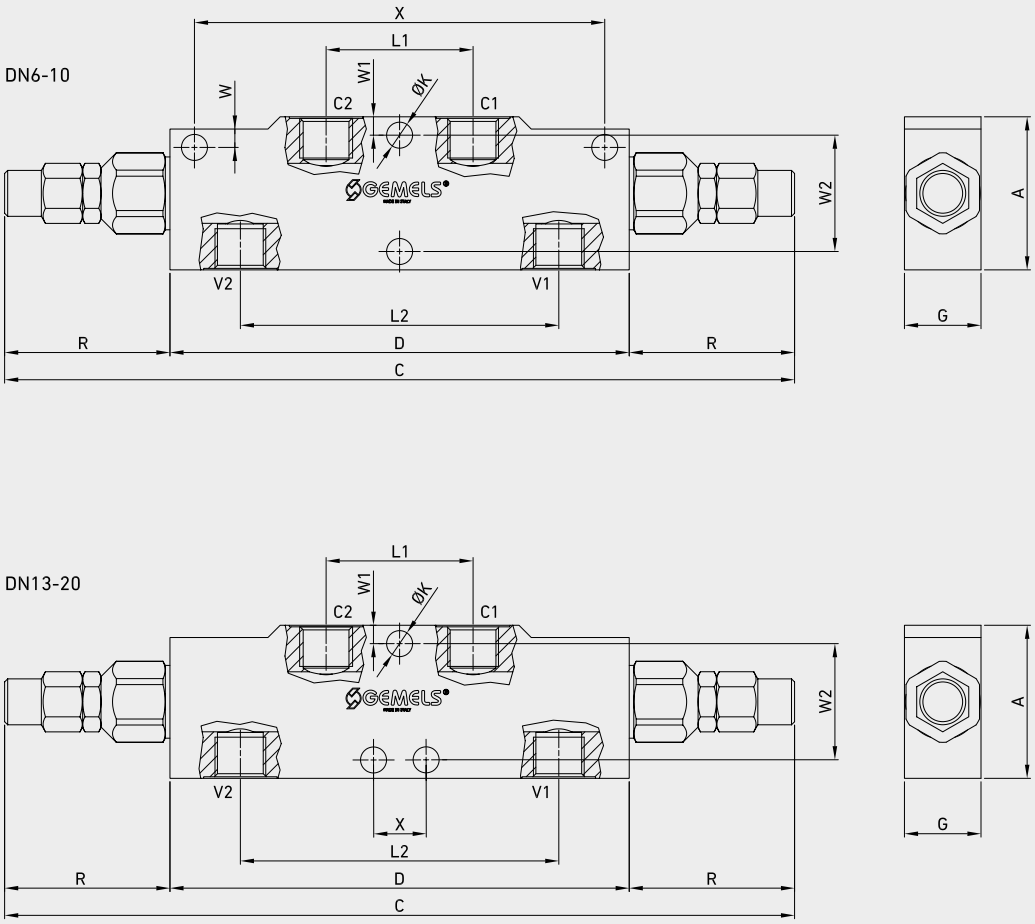
FEATURES

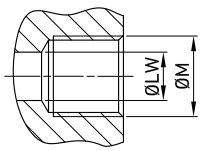
PILOT RATIO	FLUID VISCOSITY	FILTRATION	FLUID TEMPERATURE	AMBIENT TEMPERATURE	STANDARD SEALS	ADJUSTMENT
4.25:1	ISO 3448	ISO4406	-20°C +90°C	-20°C +50°C	NBR	Steel cap Std.
6,25:1						Tamper proof cap

*On request
- Pilot ratio 8:1 and 11:1
- Bigger sizes
- Tamper proof cap

PERFORMANCES V to C





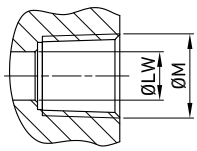


VODE DIN/ISO 228 BSP

CS Carbon Steel

TYPE	DN	PN	STANDARD SETTING	SETTING RANGE		A	C	D	G	L1	L2	R	ØM	ØK	W	W1	W2	X	PILOT RATIO	MAX FLOW (l/min)	WEIGHT	ITEM CODE
VODE G 1/4	6	MPa 35	30	6-35	mm	50	258	150	25	48	104	54	G 1/4	8,5	10	6	38	134	4.25:1	30	kg 1,42	NVO1G010000
		Psi 5075	4350	870-5075	inch	1,97	10,16	5,91	0,98	1,89	4,09	2,13		0,33	0,39	0,24	1,50	5,28			lb 3,13	
VODE G 3/8	10	MPa 35	30	3-35	mm	50	258	150	25	48	104	54	G 3/8	8,5	10	6	38	134	4.25:1	40	kg 1,39	NVO1G020000
		Psi 5075	4350	435-5075	inch	1,97	10,16	5,91	0,98	1,89	4,09	2,13		0,33	0,39	0,24	1,50	5,28			lb 3,06	
VODE G 1/2	13	MPa 35	30	6-35	mm	60	258	150	30	50	110	54	G 1/2	8,5	-	8	44	30	4.25:1	60	kg 2	NVO1G030000
		Psi 5075	4350	870-5075	inch	2,36	10,16	5,91	1,18	1,97	4,33	2,13		0,33	-	0,31	1,73	1,18			lb 4,41	
VODE G 3/4	20	MPa 35	30	6-35	mm	80	304	190	35	65	143	57	G 3/4	8,5	-	8	64	44	6.25:1	90	kg 3,8	NVO1G040000
		Psi 5075	4350	435-5075	inch	3,15	11,97	7,48	1,38	2,56	5,63	2,24		0,33	-	0,31	2,52	1,73			lb 8,38	

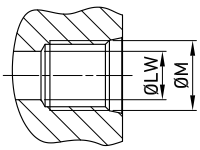
The company reserves the right to operate dimensional changes without prior notice.



VODE ANSI/ASME B1.20.1 NPT

CS Carbon Steel

TYPE	DN	PN	STANDARD SETTING	SETTING RANGE		A	C	D	G	L1	L2	R	ØM	ØK	W	W1	W2	X	PILOT RATIO	MAX FLOW (l/min)	WEIGHT	ITEM CODE
VODE N 1/4	6	MPa 35	30	6-35	mm	50	258	150	25	48	104	54	N 1/4	8,5	10	6	38	134	4.25:1	30	kg 1,42	NVO1N010000
		Psi 5075	4350	870-5075	inch	1,97	10,16	5,91	0,98	1,89	4,09	2,13		0,33	0,39	0,24	1,50	5,28			lb 3,13	
VODE N 3/8	10	MPa 35	30	3-35	mm	50	258	150	25	48	104	54	N 3/8	8,5	10	6	38	134	4.25:1	40	kg 1,39	NVO1N020000
		Psi 5075	4350	435-5075	inch	1,97	10,16	5,91	0,98	1,89	4,09	2,13		0,33	0,39	0,24	1,50	5,28			lb 3,06	
VODE N 1/2	13	MPa 35	30	6-35	mm	60	258	150	30	50	110	54	N 1/2	8,5	-	8	44	30	4.25:1	60	kg 2	NVO1N030000
		Psi 5075	4350	870-5075	inch	2,36	10,16	5,91	1,18	1,97	4,33	2,13		0,33	-	0,31	1,73	1,18			lb 4,41	
VODE N 3/4	20	MPa 35	30	6-35	mm	80	304	190	35	65	143	57	N 3/4	8,5	-	8	64	44	6.25:1	90	kg 3,8	NVO1N040000
		Psi 5075	4350	435-5075	inch	3,15	11,97	7,48	1,38	2,56	5,63	2,24		0,33	-	0,31	2,52	1,73			lb 8,38	



VODE SAE J1926-1

CS Carbon Steel

TYPE	DN	PN	STANDARD SETTING	SETTING RANGE		A	C	D	G	L1	L2	R	ØM	ØK	W	W1	W2	X	PILOT RATIO	MAX FLOW (l/min)	WEIGHT	ITEM CODE
VODE SAE 4	6	MPa 35	30	6-35	mm	50	258	150	25	48	104	54	7/16	8,5	10	6	38	134	4.25:1	30	kg 1,42	NVO1S010000
		Psi 5075	4350	870-5075	inch	1,97	10,16	5,91	0,98	1,89	4,09	2,13	UNF	0,33	0,39	0,24	1,50	5,28			lb 3,13	
VODE SAE 6	10	MPa 35	30	3-35	mm	50	258	150	25	48	104	54	9/16	8,5	10	6	38	134	4.25:1	40	kg 1,39	NVO1S020000
		Psi 5075	4350	435-5075	inch	1,97	10,16	5,91	0,98	1,89	4,09	2,13	UNF	0,33	0,39	0,24	1,50	5,28			lb 3,06	
VODE SAE 8	13	MPa 35	30	6-35	mm	60	258	150	30	50	110	54	3/4 -16	8,5	-	8	44	30	4.25:1	60	kg 2	NVO1S030000
		Psi 5075	4350	870-5075	inch	2,36	10,16	5,91	1,18	1,97	4,33	2,13	UNF	0,33	-	0,31	1,73	1,18			lb 4,41	
VODE SAE 12	20	MPa 35	30	6-35	mm	80	304	190	35	65	143	57	1 1/16	8,5	-	8	64	44	6.25:1	90	kg 3,8	NVO1S040000
		Psi 5075	4350	435-5075	inch	3,15	11,97	7,48	1,38	2,56	5,63	2,24	-12 UN	0,33	-	0,31	2,52	1,73			8,38	

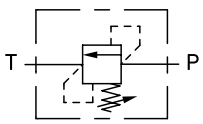
VRC

DIRECT ACTING RELIEF VALVE WITH MANIFOLD

Edition. 21.1

CS Carbon Steel

- Type: Direct Acting Relief Valve with Manifold
- Sizes: DN6-DN10
- Ends: BSP-NPT-SAE
- Pressure: up to PN350
- Temp range: from -20°C to +80°C





STRUCTURE

Type and way of valve	Ends			Material
	GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1	
VRC	G 1/4 G 3/8	N 1/4 N 3/8	SAE4 SAE6	CS CARBON STEEL

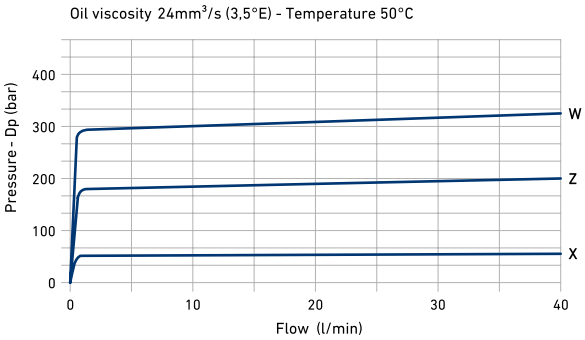


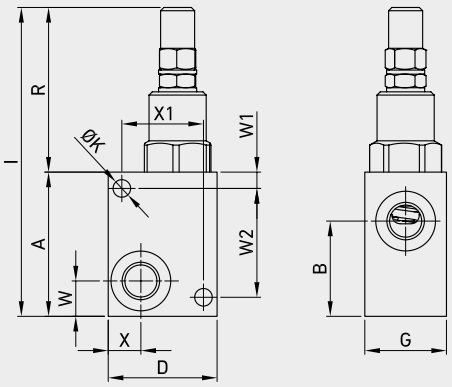
FEATURES

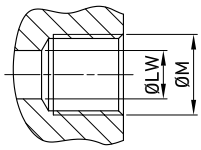
MAX. FLOW (L/MIN)	FLUID VISCOSITY	FILTRATION	FLUID TEMPERATURE	AMBIENT TEMPERATURE	STANDARD SEALS	SEALS MATERIAL	SETTING RANGE	STANDARD SETTING AT 5l/min (BAR)	ADJUSTMENT
40	ISO 3448	ISO4406	-20°C/80°C	-20°C/50°C	NBR 70 Shore A	NBR 70 Shore A	10-180	90	Screw with steel cap
						Viton*	10-50*	30*	Tamper resistant cap*
							80-300*	150*	Handknob and locknut*

*On request

PERFORMANCES



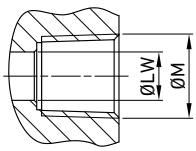




VRC DIN/ISO 228 BSP

CS Carbon Steel

TYPE	DN	PN			A	B	D	G	I	R	ØM	ØK	W	W1	W2	X	X1	WEIGHT		ITEM CODE
VRC G 1/4	6	MPa	35	mm	52	35	40	30	114	62	G 1/4	6,5	13	5	40	12	30	kg	0,45	NVR1G010000
		Psi	5075	inch	2,05	1,38	1,57	1,18	4,49	2,44		0,26	0,51	0,20	1,57	0,47	1,18	lb	0,99	
VRC G 3/8	10	MPa	35	mm	55	35,5	40	30	117	62	G 3/8	6,5	15	5	43	12	30	kg	0,45	NVR1G020000
		Psi	5075	inch	2,17	1,40	1,57	1,18	4,61	2,44		0,26	0,59	0,20	1,69	0,47	1,18	lb	0,99	

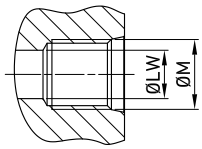


VRC ANSI/ASME B1.20.1 NPT

CS Carbon Steel

TYPE	DN	PN			A	B	D	G	I	R	ØM	ØK	W	W1	W2	X	X1	WEIGHT		ITEM CODE
VRC N 1/4	6	MPa	35	mm	52	35	40	30	114	62	N 1/4	6,5	13	5	40	12	30	kg	0,45	NVR1N010000
		Psi	5075	inch	2,05	1,38	1,57	1,18	4,49	2,44		0,26	0,51	0,20	1,57	0,47	1,18	lb	0,99	
VRC N 3/8	10	MPa	35	mm	55	35,5	40	30	117	62	N 3/8	6,5	15	5	43	12	30	kg	0,45	NVR1N020000
		Psi	5075	inch	2,17	1,40	1,57	1,18	4,61	2,44		0,26	0,59	0,20	1,69	0,47	1,18	lb	0,99	

The company reserves the right to operate dimensional changes without prior notice.



VRC SAE J1926-1

CS Carbon Steel

TYPE	DN	PN			A	B	D	G	I	R	ØM	ØK	W	W1	W2	X	X1	WEIGHT		ITEM CODE
VRC SAE 4	6	MPa	35	mm	52	35	40	30	114	62	7/16 UNF	6,5	13	5	40	12	30	kg	0,45	NVR1S010000
		Psi	5075	inch	2,05	1,38	1,57	1,18	4,49	2,44		0,26	0,51	0,20	1,57	0,47	1,18	lb	0,99	
VRC SAE 6	10	MPa	35	mm	55	35,5	40	30	117	62	9/16 UNF	6,5	15	5	43	12	30	kg	0,45	NVR1S020000
		Psi	5075	inch	2,17	1,40	1,57	1,18	4,61	2,44		0,26	0,59	0,20	1,69	0,47	1,18	lb	0,99	

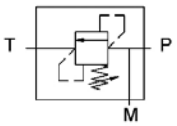
VRM

RELIEF VALVE IN MANIFOLD WITH MANOMETER PORT

Edition. 21.2

CS Carbon Steel

- Type: Relief Valve in Manifold with Manometer Port
- Sizes: DN10-DN13-DN20
- Ends: BSP-NPT-SAE
- Pressure: up to PN350
- Temp range: from -20°C to +80°C





STRUCTURE

Type and way of valve	Ends			Material
	GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1	
VRM	G 3/8 G 1/2 G 3/4	N 3/8 N 1/2 N 3/4	SAE6 SAE8 SAE12	CS CARBON STEEL

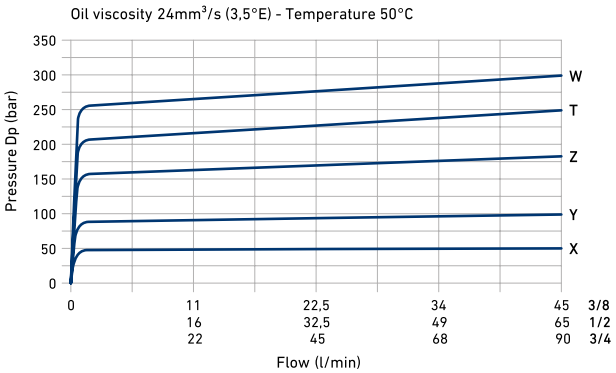


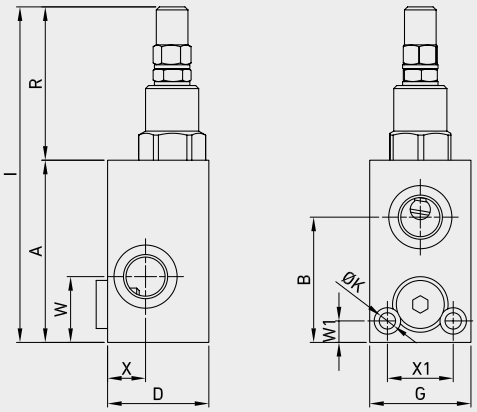
FEATURES

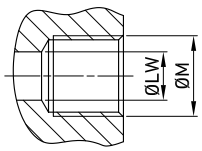
MAX. FLOW (L/MIN)	FLUID VISCOSITY	FILTRATION	FLUID TEMPERATURE	AMBIENT TEMPERATURE	STANDARD SEALS	SEALS MATERIAL	SETTING RANGE	STANDARD SETTING	ADJUSTMENT
45 (DN10)	ISO 3448	ISO4406	-20°C/80°C	-20°C/50°C	NBR 70 Shore A	NBR 70 Shore A	10-180	90	Screw with steel cap
70 (DN13)						Viton*	10-50*	30*	Tamper resistant cap*
90 (DN20)							20-100*	70*	Handknob and locknut*
							50-250*	130*	
							80-300*	150*	

*On request

PERFORMANCES



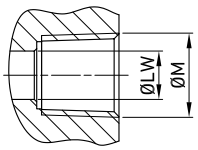




VRM DIN/ISO 228 BSP

CS Carbon Steel

TYPE	DN	PN			A	B	D	G	I	R	ØM	ØK	W	W1	X	X1	WEIGHT		ITEM CODE
VRM G 3/8	10	MPa	35	mm	72	49,5	40	40	134	62	G 1/4	6,5	26	8,5	15	26	kg	0,8	NVR2G020000
		Psi	5075	inch	2,83	1,95	1,57	1,57	5,28	2,44		0,26	1,02	0,33	0,59	1,02	lb	1,76	
VRM G 1/2	13	MPa	35	mm	77	54	45	45	139	62	G 3/8	6,5	29,5	8,5	17,5	30	kg	1	NVR2G030000
		Psi	5075	inch	3,03	2,13	1,77	1,77	5,47	2,44		0,26	1,16	0,33	0,69	1,18	lb	2,20	
VRM G 3/4	20	MPa	35	mm	92	68	50	50	154	62	G 1/2	6,5	35	10	20	32	kg	1,5	NVR2G040000
		Psi	5075	inch	3,62	2,68	1,97	1,97	6,06	2,44		0,26	1,38	0,39	0,79	1,26	lb	3,31	

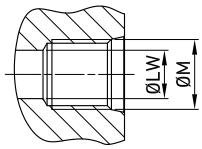


VRM ANSI/ASME B1.20.1 NPT

CS Carbon Steel

TYPE	DN	PN			A	B	D	G	I	R	ØM	ØK	W	W1	X	X1	WEIGHT		ITEM CODE
VRM N 3/8	10	MPa	35	mm	72	49,5	40	40	134	62	N 1/4	6,5	26	8,5	15	26	kg	0,8	NVR2N020000
		Psi	5075	inch	2,83	1,95	1,57	1,57	5,28	2,44		0,26	1,02	0,33	0,59	1,02	lb	1,76	
VRM N 1/2	13	MPa	35	mm	77	54	45	45	139	62	N 3/8	6,5	29,5	8,5	17,5	30	kg	1	NVR2N030000
		Psi	5075	inch	3,03	2,13	1,77	1,77	5,47	2,44		0,26	1,16	0,33	0,69	1,18	lb	2,20	
VRM N 3/4	20	MPa	35	mm	92	68	50	50	154	62	N 1/2	6,5	35	10	20	32	kg	1,5	NVR2N040000
		Psi	5075	inch	3,62	2,68	1,97	1,97	6,06	2,44		0,26	1,38	0,39	0,79	1,26	lb	3,31	

The company reserves the right to operate dimensional changes without prior notice.



VRM SAE J1926-1

CS Carbon Steel

TYPE	DN	PN			A	B	D	G	I	R	ØM	ØK	W	W1	X	X1	WEIGHT		ITEM CODE
VRM SAE 6	10	MPa	35	mm	72	49,5	40	40	134	62	7/16 UNF	6,5	26	8,5	15	26	kg	0,8	NVR2S020000
		Psi	5075	inch	2,83	1,95	1,57	1,57	5,28	2,44		0,26	1,02	0,33	0,59	1,02	lb	1,76	
VRM SAE 8	13	MPa	35	mm	77	54	45	45	139	62	9/16 UNF	6,5	29,5	8,5	17,5	30	kg	1	NVR2S030000
		Psi	5075	inch	3,03	2,13	1,77	1,77	5,47	2,44		0,26	1,16	0,33	0,69	1,18	lb	2,20	
VRM SAE 12	20	MPa	35	mm	92	68	50	50	154	62	3/4 UNF	6,5	35	10	20	32	kg	1,5	NVR2S040000
		Psi	5075	inch	3,62	2,68	1,97	1,97	6,06	2,44		0,26	1,38	0,39	0,79	1,26	lb	3,31	

VBP

Edition. 21.1

CS Carbon Steel

- **VBPSE**
- Type: single pilot operated check valves
- Sizes: from DN6 up to DN50
- Ends: BSP
- Pressure: up to PN350
- Temp range: from -20°C to +100°C

- **VBPDE**
- Type: double pilot operated check valves
- Sizes: from DN6 up to DN50
- Ends: BSP
- Pressure: up to PN350
- emp range: from -20°C to +100°C

- **VBPDE CEXC**
- Type: double pilot operated check valves
- Sizes: from DN6 up to DN50
- Ends: BSP
- Pressure: up to PN350
- Temp range: from -20°C to +100°C



CODE DESCRIPTION STRUCTURE

VBPSE	G1/2	CS

Type and way of valve

VBPSE single pilot operated check valves

Ends

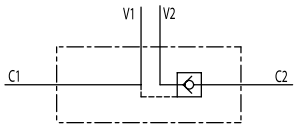
GAS DIN/
ISO 228
BSP

G 1/4
G 3/8
G 1/2
G 3/4

Material

● CS carbon steel





VBPDE	G1/2	CS

Type and way of valve

VBPDE double pilot operated check valves

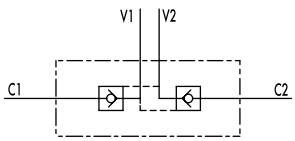
Ends

GAS DIN/
ISO 228
BSP

G 1/4
G 3/8
G 1/2
G 3/4

Material

● CS carbon steel



VBPDE CEXC	G1/2	CS

Type and way of valve

VBPDE CEXC double pilot operated check valves

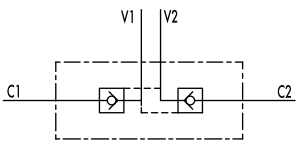
Ends

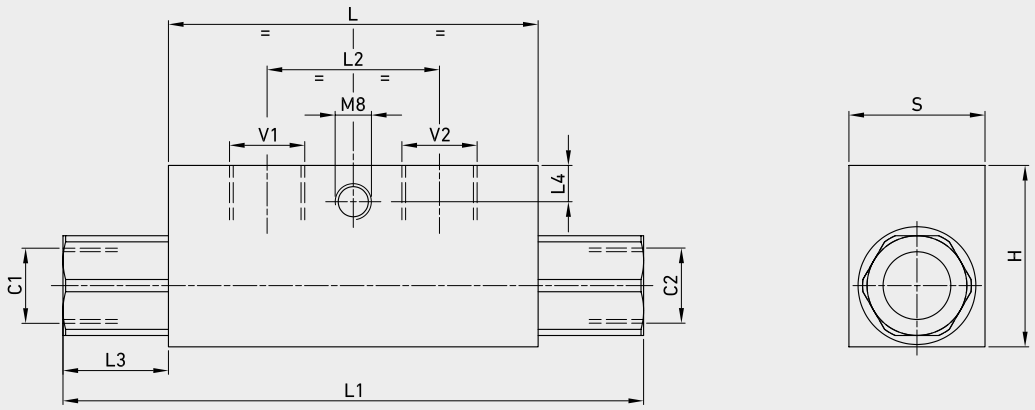
GAS DIN/
ISO 228
BSP

G 1/4
G 3/8
G 1/2
G 3/4

Material

● CS carbon steel





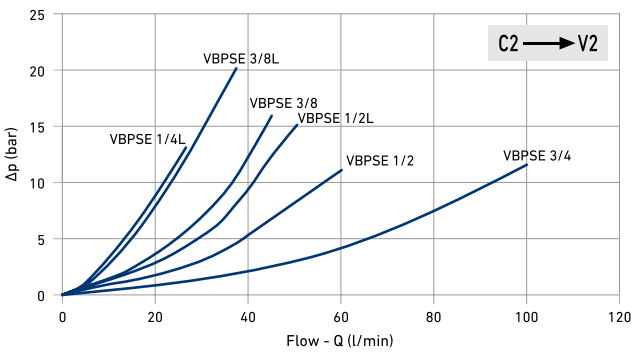
VBPSE Single pilot operated check valves

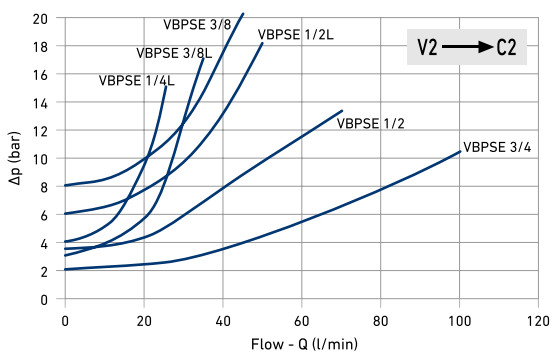
CS Carbon Steel

TYPE	V1 - V2 C1 - C2 GAS - MET		MAX PRESSURE	CRACKING PRESSURE		L	L1	L2	L3	L4	H	S	WEIGHT		ITEM CODE
VBPSE 1/4" L	G 1/4"	MPa	35	0,4	mm	64	106,5	36	18,5	8	40	30	kg	0,612	NVB2G010000
		Psi	5075	58	inch	2,52	4,19	1,42	0,73	0,31	1,57	1,18	lb	1,35	
VBPSE 3/8" L	G 3/8"	MPa	35	0,3	mm	80	120	38	16	8	40	30	kg	0,706	NVB2G020000
		Psi	5075	43,5	inch	3,15	4,72	1,50	0,63	0,31	1,57	1,18	lb	1,56	
VBPSE 1/2" L	G 1/2"	MPa	35	0,6	mm	90	133	45	17	12,5	45	35	kg	0,994	NVB2G030000
		Psi	5075	87	inch	3,54	5,24	1,77	0,67	0,49	1,77	1,38	lb	2,19	
VBPSE 3/4" L	G 3/4"	MPa	35	0,2	mm	100	182	46	36	12	60	40	kg	1,792	NVB2G040000
		Psi	5075	29	inch	3,94	7,17	1,81	1,42	0,47	2,36	1,57	lb	3,95	

PRESSURE DROP CURVES

Temperature : 50°C / Oil viscosity: 30cSt





The company reserves the right to operate dimensional changes without prior notice.

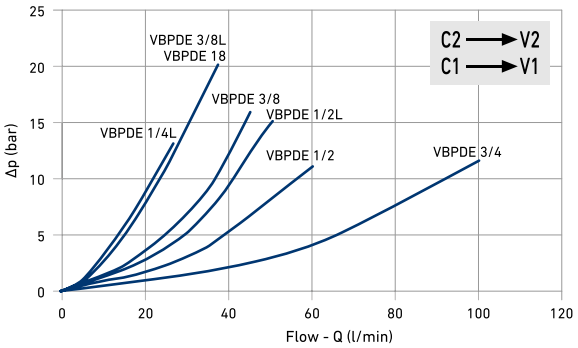
VBPDE Double pilot operated check valves

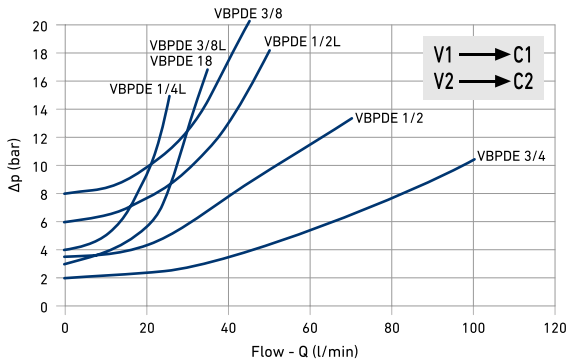
CS Carbon Steel

TYPE	V1 - V2 C1 - C2 GAS - MET		MAX PRESSURE	CRACKING PRESSURE		L	L1	L2	L3	L4	H	S	WEIGHT		ITEM CODE
VBPDE 1/4"L	G 1/4"	MPa	35	0,4	mm	64	113	36	24,5	8	40	30	kg	0,636	NVB1G010000
		Psi	5075	58	inch	2,52	4,45	1,42	0,96	0,31	1,57	1,18	lb	1,40	
VBPDE 3/8"L	G 3/8"	MPa	35	0,3	mm	80	128	38	24	8	40	30	kg	0,736	NVB1G020000
		Psi	5075	43,5	inch	3,15	5,04	1,50	0,94	0,31	1,57	1,18	lb	1,62	
VBPDE 1/2" L	G 1/2"	MPa	35	0,6	mm	90	142	45	26	12,5	45	35	kg	1,042	NVB1G030000
		Psi	5075	87	inch	3,54	5,59	1,77	1,02	0,49	1,77	1,38	lb	2,30	
VBPDE 3/4" L	G 3/4"	MPa	30	0,2	mm	100	192	46	46	12	60	40	kg	1,916	NVB1G040000
		Psi	4350	29	inch	3,94	7,56	1,81	1,81	0,47	2,36	1,57	lb	4,22	

PRESSURE DROP CURVES

Temperature : 50°C / Oil viscosity: 30cSt



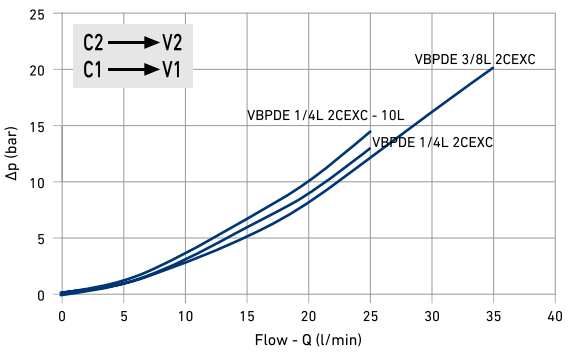


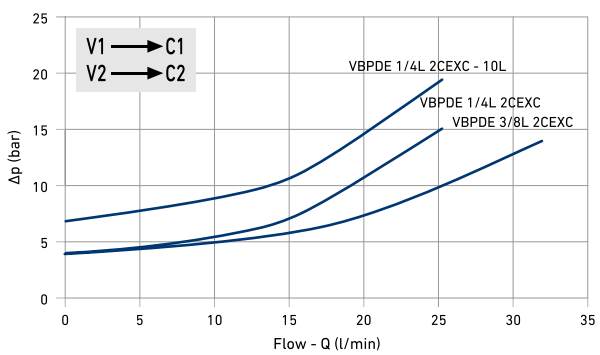
VBPDE CEXC Double pilot operated check valves for 12mm pipe mounting din (2353)

TYPE	V1 - V2 C1 - C2 GAS - MET		MAX PRESSURE	CRACKING PRESSURE		L	L1	L2	L3	H	S	WEIGHT	
VBPDE 1/4" L 2 CEXC-10L	G 1/4"	MPa	35	0,7	mm	64	125	36	160	40	30	kg	0,644
		Psi	5075	101,5	inch	2,52	4,92	1,42	6,30	1,57	1,18	lb	1,42
VBPDE 1/4" L 2 CEXC	G 1/4"	MPa	35	0,4	mm	64	130	36	160	40	30	kg	0,648
		Psi	5075	58	inch	2,52	5,12	1,42	6,30	1,57	1,18	lb	1,43
VBPDE 3/8" L 2 CEXC	G 3/8"	MPa	35	0,4	mm	64	130	36	166	40	30	kg	0,630
		Psi	5075	58	inch	2,52	5,12	1,42	6,54	1,57	1,18	lb	1,39

PRESSURE DROP CURVES

Temperature : 50°C / Oil viscosity: 30cSt





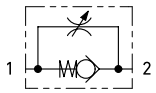
RF

FLOW CONTROL

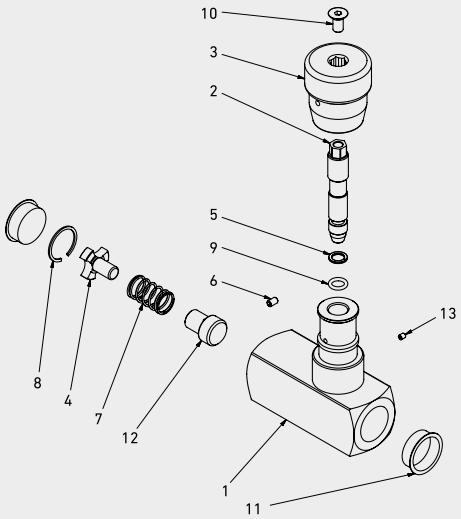
Edition. 21.0

CS Carbon Steel

- Type: check valve flow control
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT
- Pressure: up to PN400
- Temp range: from -20°C to +100°C



STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Stem	1	1,0503
3	Handle	1	ALLUMINIUM
4	Spring ring	1	X 35 Cr Mo 17
5	Stem ring	1	PTFE
6	Pin	1	1,0737
7	Spring	1	1,0116
8	Seeger	1	X 35 Cr Mo 17
9	Stem o-ring	1	NBR
10	Screw	1	DIN 7991 8.8
11	Caps	2	PVC
12	Poppet	1	1,0737
13	Screw	1	DIN 7991 8.8





CRACKING PRESSURE
0,50 bar

CODE DESCRIPTION STRUCTURE

RF **G1/2** **CS**

Type and way of valve
RF flow control

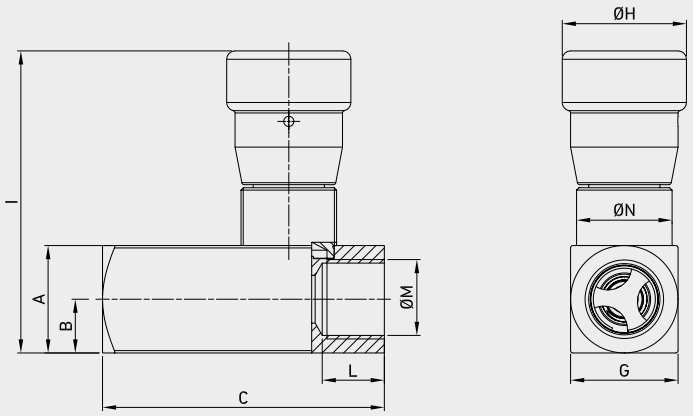
Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1
G 1/4	N 1/4
G 3/8	N 3/8
G 1/2	N 1/2
G 3/4	N 3/4
G 1	N 1

Material
CS carbon steel

*On request
- Special threads
- Pressure class PN 350

For further special requests please consult our technical/commercial service.



RF DIN/ISO 228 BSP

CS Carbon Steel

TYPE	DN	PN	MAX FLOW L/m	CRACKING PRESSURE		A	B	C	G	ØH	I	ØM	ØN	WEIGHT	ITEM CODE
RF G 1/4	6	MPa 40	15	MPa 0,05	mm	25	12,5	66	25	33	75	G 1/4	M20X1	kg 0,41	GF2GGT130110000
		Psi 5800		Psi 7,25	inch	0,98	0,49	2,60	0,98	1,30	2,95			lb 0,90	
RF G 3/8	10	MPa 40	30	MPa 0,05	mm	25	12,5	77	25	33	75	G 3/8	M20X1	kg 0,42	GF2GGT230110000
		Psi 5800		Psi 7,25	inch	0,98	0,49	3,03	0,98	1,30	2,95			lb 0,93	
RF G 1/2	13	MPa 40	50	MPa 0,05	mm	30	15	91	30	33	81	G 1/2	M25X1.5	kg 0,63	GF2GGT330110000
		Psi 5800		Psi 7,25	inch	1,18	0,59	3,58	1,18	1,30	3,19			lb 1,39	
RF G 3/4	20	MPa 40	80	MPa 0,05	mm	40	20	112,5	40	42	110	G 3/4	M25X1.5	kg 1,52	GF2GGT430110000
		Psi 5800		Psi 7,25	inch	1,57	0,79	4,43	1,57	1,65	4,33			lb 3,35	
RF G 1	25	MPa 40	150	MPa 0,05	mm	45	22,5	141	45	42	115	G 1	M35X1.5	kg 2,1	GF2GGT530110000
		Psi 5800		Psi 7,25	inch	1,77	0,89	5,55	1,77	1,65	4,53			lb 4,63	

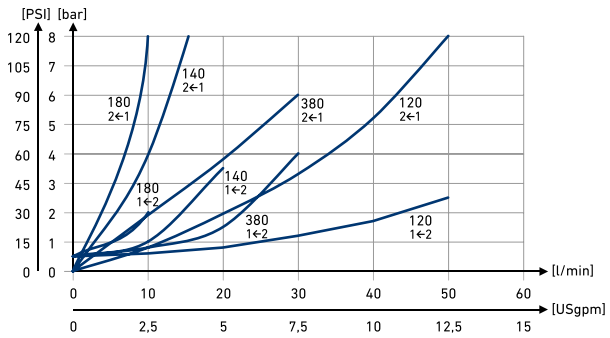
The company reserves the right to operate dimensional changes without prior notice.

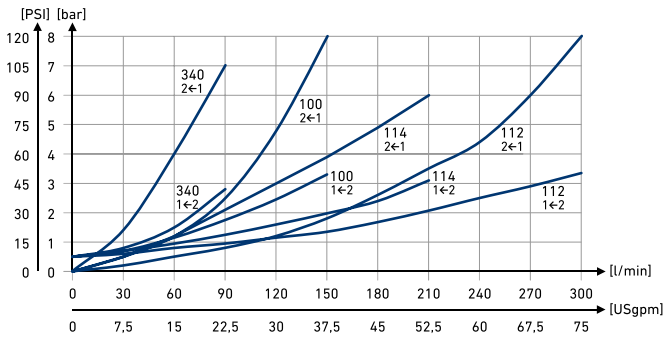
RF ANSI/ASME B1.20.1 NPT

CS Carbon Steel

TYPE	DN	PN	MAX FLOW L/m	CRACKING PRESSURE		A	B	C	G	ØH	I	ØM	ØN	WEIGHT	ITEM CODE
RF N 1/4	6	MPa 40	15	MPa 0,05	mm	25	12,5	66	25	33	75	N 1/4	M20X1	kg 0,41	GF2NNT130110000
		Psi 5800		Psi 7,25	inch	0,98	0,49	2,60	0,98	1,30	2,95			lb 0,90	
RF N 3/8	10	MPa 40	30	MPa 0,05	mm	25	12,5	77	25	33	75	N 3/8	M20X1	kg 0,42	GF2NNT230110000
		Psi 5800		Psi 7,25	inch	0,98	0,49	3,03	0,98	1,30	2,95			lb 0,93	
RF N 1/2	13	MPa 40	50	MPa 0,05	mm	30	15	91	30	33	81	N 1/2	M25X1.5	kg 0,63	GF2NNT330110000
		Psi 5800		Psi 7,25	inch	1,18	0,59	3,58	1,18	1,30	3,19			lb 1,39	
RF N 3/4	20	MPa 40	80	MPa 0,05	mm	40	20	112,5	40	42	110	N 3/4	M25X1.5	kg 1,52	GF2NNT430110000
		Psi 5800		Psi 7,25	inch	1,57	0,79	4,43	1,57	1,65	4,33			lb 3,35	
RF N 1	25	MPa 40	150	MPa 0,05	mm	45	22,5	141	45	42	115	N 1	M35X1.5	kg 2,1	GF2NNT530110000
		Psi 5800		Psi 7,25	inch	1,77	0,89	5,55	1,77	1,65	4,53			lb 4,63	

PRESSURE DROP CURVES





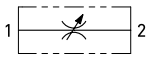
BD

FLOW CONTROL B-DIRECTIONAL

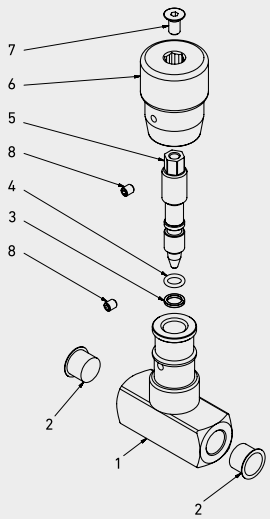
Edition. 21.0

CS Carbon Steel

- Type: reduce flow control B-directional
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT
- Pressure: up to PN400
- Temp range: from -20°C to +100°C



STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Caps	2	PVC
3	Stem	1	1,05
4	Stem o-ring	1	NBR
5	Stem ring	1	PTFE
6	Handle	1	ALLUMINIUM
7	Screw	1	DIN 7991 8.8
8	Screw	1	DIN 7991 8.8





CRACKING PRESSURE
0,50 bar

CODE DESCRIPTION STRUCTURE

BD **G1/2** **CS**

Type and way of valve

BD flow control

Ends

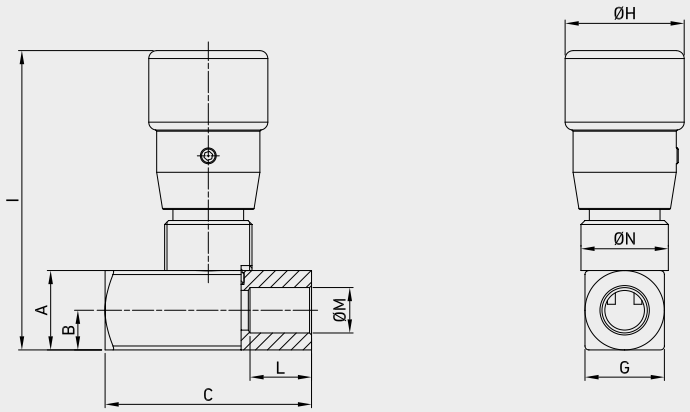
GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1
G 1/4	N 1/4
G 3/8	N 3/8
G 1/2	N 1/2
G 3/4	N 3/4
G 1	N 1

Material

CS carbon steel

*On request
- Special threads
- Pressure class PN 350

For further special requests please consult our technical/commercial service.



BD DIN/ISO 228 BSP

CS Carbon Steel

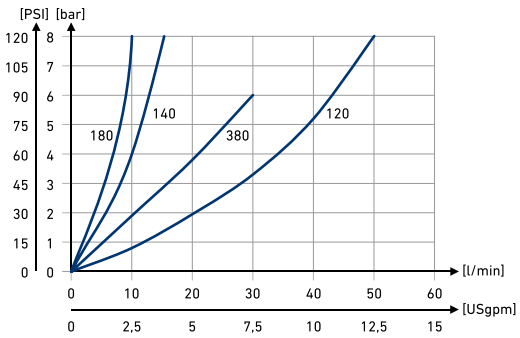
TYPE	DN	PN	MAX FLOW L/m	CRACKING PRESSURE		A	B	C	G	ØH	I	ØM	ØN	WEIGHT	ITEM CODE
BD G 1/4	6	MPa 40	15	MPa 0,05	mm	25	12,5	54	25	30	75	G 1/4	M20X1	kg 0,33	GG2GGT130110000
		Psi 5800		Psi 7,25	inch	0,98	0,49	2,13	0,98	1,18	2,95			lb 0,73	
BD G 3/8	10	MPa 40	30	MPa 0,05	mm	25	12,5	54	25	30	75	G 3/8	M20X1	kg 0,31	GG2GGT230110000
		Psi 5800		Psi 7,25	inch	0,98	0,49	2,13	0,98	1,18	2,95			lb 0,68	
BD G 1/2	13	MPa 40	50	MPa 0,05	mm	30	15	64	30	33	81	G 1/2	M25X1.5	kg 0,48	GG2GGT330110000
		Psi 5800		Psi 7,25	inch	1,18	0,59	2,52	1,18	1,30	3,19			lb 1,06	
BD G 3/4	20	MPa 40	80	MPa 0,05	mm	40	20	81	40	42	110	G 3/4	M35X1.5	kg 1,13	GG2GGT430110000
		Psi 5800		Psi 7,25	inch	1,57	0,79	3,19	1,57	1,65	4,33			lb 2,49	
BD G 1	25	MPa 40	150	MPa 0,05	mm	45	22,5	102	45	42	115	G 1	M35X1.5	kg 1,5	GG2GGT530110000
		Psi 5800		Psi 7,25	inch	1,77	0,89	4,02	1,77	1,65	4,53			lb 3,31	

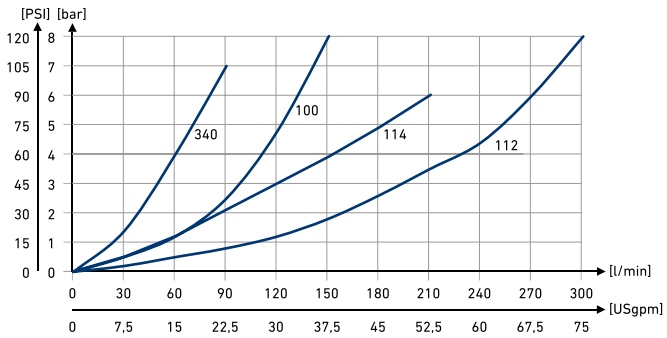
BD ANSI/ASME B1.20.1 NPT

CS Carbon Steel

TYPE	DN	PN	MAX FLOW L/m	CRACKING PRESSURE		A	B	C	G	ØH	I	ØM	ØN	WEIGHT	ITEM CODE
BD N 1/4	6	MPa 40	15	MPa 0,05	mm	25	12,5	54	25	30	75	N 1/4	M20X1	kg 0,33	GG2NNT130110000
		Psi 5800		Psi 7,25	inch	0,98	0,49	2,13	0,98	1,18	2,95			lb 0,73	
BD N 3/8	10	MPa 40	30	MPa 0,05	mm	25	12,5	54	25	30	75	N 3/8	M20X1	kg 0,31	GG2NNT230110000
		Psi 5800		Psi 7,25	inch	0,98	0,49	2,13	0,98	1,18	2,95			lb 0,68	
BD N 1/2	13	MPa 40	50	MPa 0,05	mm	30	15	64	30	33	81	N 1/2	M25X1.5	kg 0,48	GG2NNT330110000
		Psi 5800		Psi 7,25	inch	1,18	0,59	2,52	1,18	1,30	3,19			lb 1,06	
BD N 3/4	20	MPa 40	80	MPa 0,05	mm	40	20	81	40	42	110	N 3/4	M35X1.5	kg 1,13	GG2NNT430110000
		Psi 5800		Psi 7,25	inch	1,57	0,79	3,19	1,57	1,65	4,33			lb 2,49	
BD N 1	25	MPa 40	150	MPa 0,05	mm	45	22,5	102	45	42	115	N 1	M35X1.5	kg 1,5	GG2NNT530110000
		Psi 5800		Psi 7,25	inch	1,77	0,89	4,02	1,77	1,65	4,53			lb 3,31	

PRESSURE DROP CURVES





VU

CHECK VALVES

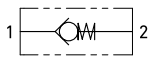
Edition. 21.1

CS Carbon Steel

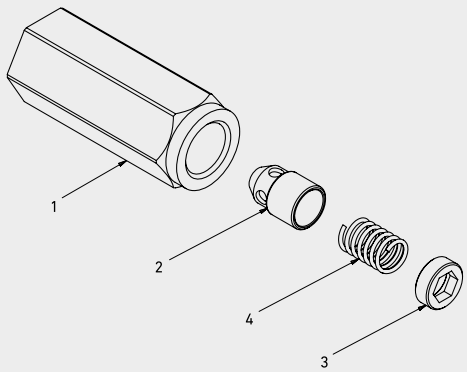
- Type: check valve
- Sizes: from DN6 up to DN50
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -20°C to +100°C

SS Stainless Steel

- Type: check valve
- Sizes: from DN6 up to DN50
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -30°C to +100°C



STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	1,0737	1,4404
2	Poppet	1	1,4749	1,4305
3	Ring	1	1,0737	1,4305
4	Spring	1	1,0116	1,4310





CODE DESCRIPTION STRUCTURE

VU **G1/2** **SS**

Type and way of valve

VU check valves

Ends

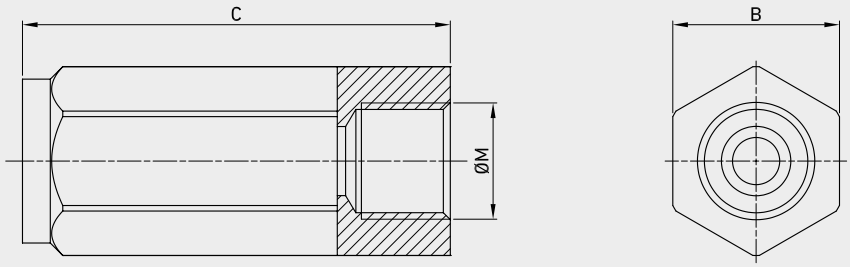
GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SAE J1926-1
G 1/4	N 1/4	SAE4
G 3/8	N 3/8	SAE6
G 1/2	N 1/2	SAE8
G 3/4	N 3/4	SAE12
G 1	N 1	SAE16
G 1 1/4	N 1 1/4	
G 1 1/2	N 1 1/2	
G 2	N 2	

Material

● CS carbon steel
● SS stainless steel

*On request
- Special threads
- Pressure class up to PN500
- Spring closed: from 1BAR up to 8BAR

For further special requests please consult our technical/commercial service.

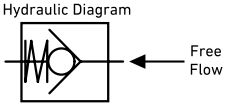


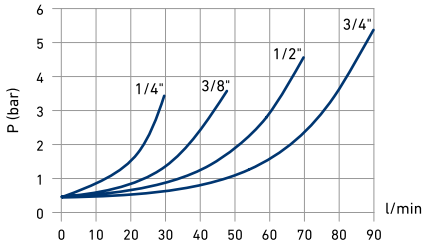
VU DIN ISO 228 BSP GAS

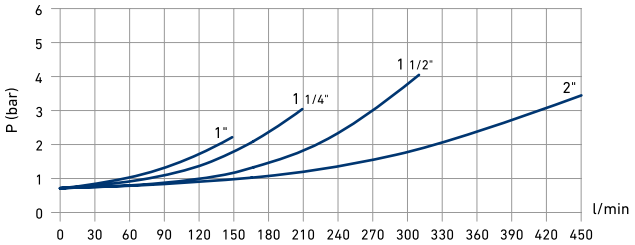
TYPE	DN	PN	MAX FLOW L/m	CRACKING PRESSURE	B	C	ØM	WEIGHT	ITEM CODE (CS Carbon Steel)	ITEM CODE (SS Stainless Steel)
VU G 1/4	6	MPa 50 / Psi 7250	15	MPa 0,04 0,07 / Psi 5,8 10,15	mm 19 / inch	62 / 2,44	G 1/4	kg 0,11 / lb 0,24	GC2GGT150110000	GC2GGT150440000
VU G 3/8	10	MPa 50 / Psi 7250	30	MPa 0,04 0,07 / Psi 5,8 10,15	mm 24 / inch	68 / 2,68	G 3/8	kg 0,2 / lb 0,44	GC2GGT250110000	GC2GGT250440000
VU G 1/2	13	MPa 50 / Psi 7250	50	MPa 0,04 0,07 / Psi 5,8 10,15	mm 30 / inch	77 / 3,03	G 1/2	kg 0,35 / lb 0,77	GC2GGT350110000	GC2GGT350440000
VU G 3/4	20	MPa 42 / Psi 6090	90	MPa 0,04 0,07 / Psi 5,8 10,15	mm 36 / inch	88 / 3,46	G 3/4	kg 0,53 / lb 1,17	GC2GGT440110000	GC2GGT440440000
VU G 1	25	MPa 42 / Psi 6090	150	MPa 0,04 0,07 / Psi 5,8 10,15	mm 41 / inch	105 / 4,13	G 1	kg 0,75 / lb 1,65	GC2GGT530110000	GC2GGT530440000
VU G 1 1/4	32	MPa 35 / Psi 5075	200	MPa 0,04 0,07 / Psi 5,8 10,15	mm 55 / inch	135 / 5,31	G 1 1/4	kg 1,81 / lb 3,99	GC2GGT630110000	GC2GGT630440000
VU G 1 1/2	40	MPa 35 / Psi 5075	300	MPa 0,04 0,07 / Psi 5,8 10,15	mm 60 / inch	145 / 5,71	G 1 1/2	kg 2,2 / lb 4,85	GC2GGT730110000	GC2GGT730440000
VU G 2	50	MPa 35 / Psi 5075	430	MPa 0,04 0,07 / Psi 5,8 10,15	mm 75 / inch	175 / 6,89	G 2	kg 4,17 / lb 9,19	GC2GGT830110000	GC2GGT830440000

PRESSURE DROP CURVES

Hydraulic Diagram







The company reserves the right to operate dimensional changes without prior notice.

VU ANSI/ASME B1.20.1 NPT

TYPE	DN	PN	MAX FLOW L/m	CRACKING PRESSURE	B	C	ØM	WEIGHT	ITEM CODE (CS Carbon Steel)	ITEM CODE (SS Stainless Steel)
VU N 1/4	6	MPa 50 Psi 7250	15	MPa 0,04 0,07 Psi 5,8 10,15	mm 19 inch	62 2,44	N 1/4	kg 0,11 lb 0,24	GC2NNT150110000	GC2NNT150440000
VU N 3/8	10	MPa 50 Psi 7250	30	MPa 0,04 0,07 Psi 5,8 10,15	mm 24 inch	68 2,68	N 3/8	kg 0,2 lb 0,44	GC2NNT250110000	GC2NNT250440000
VU N 1/2	13	MPa 50 Psi 7250	50	MPa 0,04 0,07 Psi 5,8 10,15	mm 30 inch	77 3,03	N 1/2	kg 0,35 lb 0,77	GC2NNT350110000	GC2NNT350440000
VU N 3/4	20	MPa 42 Psi 6090	90	MPa 0,04 0,07 Psi 5,8 10,15	mm 36 inch	88 3,46	N 3/4	kg 0,53 lb 1,17	GC2NNT440110000	GC2NNT440440000
VU N 1	25	MPa 42 Psi 6090	150	MPa 0,04 0,07 Psi 5,8 10,15	mm 41 inch	105 4,13	N 1	kg 0,75 lb 1,65	GC2NNT530110000	GC2NNT530440000
VU N 1 1/4	32	MPa 35 Psi 5075	200	MPa 0,04 0,07 Psi 5,8 10,15	mm 55 inch	135 5,31	N 1 1/4	kg 1,81 lb 3,99	GC2NNT630110000	GC2NNT630440000
VU N 1 1/2	40	MPa 35 Psi 5075	300	MPa 0,04 0,07 Psi 5,8 10,15	mm 60 inch	145 5,71	N 1 1/2	kg 2,2 lb 4,85	GC2NNT730110000	GC2NNT730440000
VU N 2	50	MPa 35 Psi 5075	430	MPa 0,04 0,07 Psi 5,8 10,15	mm 75 inch	175 6,89	N 2	kg 4,17 lb 9,19	GC2NNT830110000	GC2NNT830440000

VU SAE J1926-1

TYPE	DN	PN	MAX FLOW L/m	CRACKING PRESSURE	B	C	ØM	WEIGHT	ITEM CODE (CS Carbon Steel)	ITEM CODE (SS Stainless Steel)
VU SAE4	6	MPa 50 Psi 7250	15	MPa 0,04 0,07 Psi 5,8 10,15	mm 19 inch	62 2,44	N 1/4	kg 0,11 lb 0,24	GC2EEE050110000	GC2EEE050440000
VU SAE6	10	MPa 50 Psi 7250	30	MPa 0,04 0,07 Psi 5,8 10,15	mm 24 inch	68 2,68	N 3/8	kg 0,2 lb 0,44	GC2EEE150110000	GC2EEE150440000
VU SAE8	13	MPa 50 Psi 7250	50	MPa 0,04 0,07 Psi 5,8 10,15	mm 30 inch	77 3,03	N 1/2	kg 0,35 lb 0,77	GC2EEE250110000	GC2EEE250440000
VU SAE12	20	MPa 42 Psi 6090	90	MPa 0,04 0,07 Psi 5,8 10,15	mm 36 inch	88 3,46	N 3/4	kg 0,53 lb 1,17	GC2EEE340110000	GC2EEE340440000
VU SAE16	25	MPa 42 Psi 6090	150	MPa 0,04 0,07 Psi 5,8 10,15	mm 41 inch	105 4,13	N 1	kg 0,75 lb 1,65	GC2EEE430110000	GC2EEE430440000

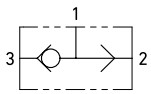
GEV

SHUTTLE VALVES

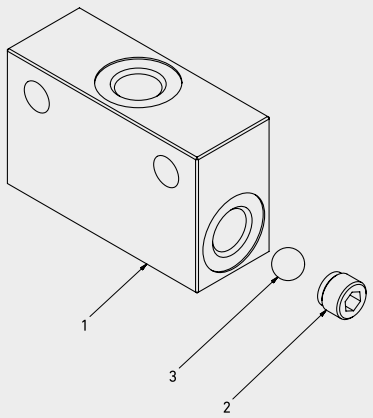
Edition. 21.1

CS Carbon Steel

- Type: shuttle valve 3 way
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE
- Pressure: up to PN500
- Temp range: from -20°C to +100°C



STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel MATERIAL
1	Body	1	1,0737
2	Adapter	1	1,0737
3	Ball	1	UNI3545





CODE DESCRIPTION STRUCTURE

GEV	G1/2	DN13	1

Type and way of valve

GEV 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1
G 1/4	N 1/4
G 3/8	N 3/8
G 1/2	N 1/2
G 3/4	N 3/4
G 1	N 1

Nominal dimension

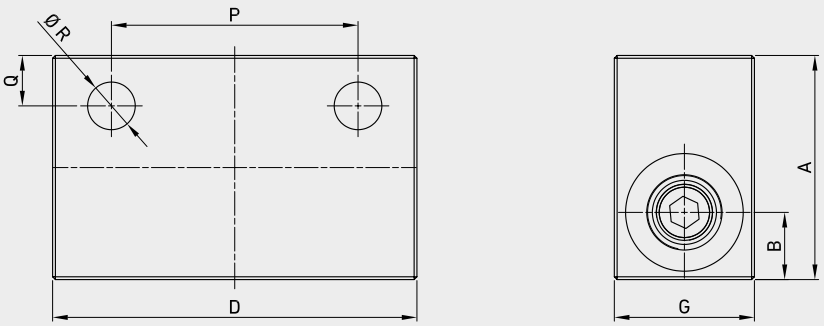
DN6
DN10
DN13
DN20
DN25

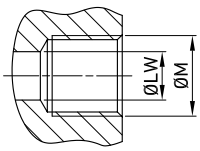
Body Material

● **1** = 1.0737

*On request
- Reduced bore
- Special threads
- Pressure class up to PN25 Mpa

For further special requests please consult our technical/commercial service.



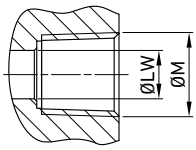


GEV DIN/ISO 228 BSP

CS Carbon Steel

TYPE	DN	PN			A	B	D	G	ØM	P	Q	ØR	ØLW	WEIGHT	ITEM CODE
GEV G 1/4	6	MPa	50	mm	40	12	65	25	G 1/4	44	9	8,5	5	kg 0,43	GEVGGT120110000
		Psi	7250	inch	1,57	0,47	2,56	0,98		1,73	0,35	0,33	0,20	lb 0,95	
GEV G 3/8	10	MPa	50	mm	40	12	65	25	G 3/8	44	9	8,5	7,5	kg 0,40	GEVGGT220110000
		Psi	7250	inch	1,57	0,47	2,56	0,98		1,73	0,35	0,33	0,30	lb 0,88	
GEV G 1/2	13	MPa	50	mm	57	18	76	30	G 1/2	44	12	8,5	11	kg 0,82	GEVGGT320110000
		Psi	7250	inch	2,24	0,71	2,99	1,18		1,73	0,47	0,33	0,43	lb 1,81	
GEV G 3/4	20	MPa	50	mm	65	22	85	40	G 3/4	44	12	8,5	15	kg 1,38	GEVGGT420110000
		Psi	7250	inch	2,56	0,87	3,35	1,57		1,73	0,47	0,33	0,59	lb 3,04	
GEV G 1	25	MPa	50	mm	65	22	95	40	G1	60	11	10,5	21	kg 1,30	GEVGGT520110000
		Psi	7250	inch	2,56	0,87	3,74	1,57		2,36	0,43	0,41	0,83	lb 2,87	

The company reserves the right to operate dimensional changes without prior notice.

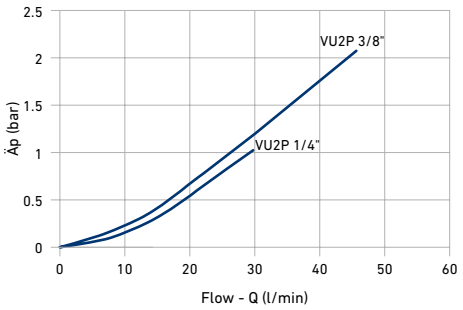


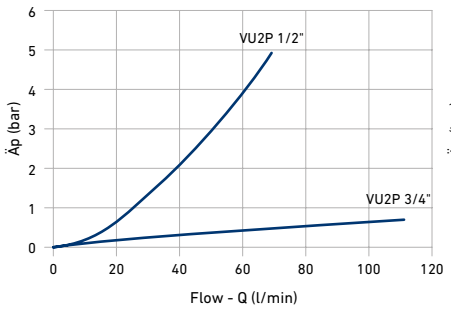
GEV ANSI/ASME B1.20.1 NPT

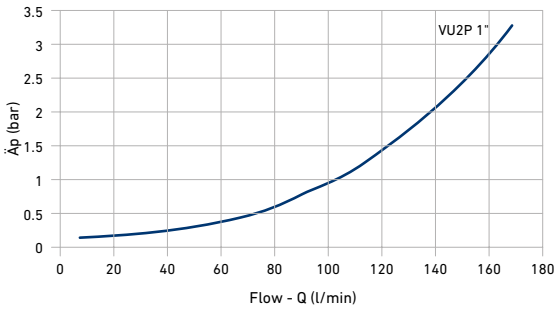
CS Carbon Steel

TYPE	DN	PN			A	B	D	G	ØM	P	Q	ØR	ØLW	WEIGHT	ITEM CODE
GEV N 1/4	6	MPa	50	mm	40	12	65	25	N 1/4	44	9	8,5	5	kg 0,43	GEVNNT120110000
		Psi	7250	inch	1,57	0,47	2,56	0,98		1,73	0,35	0,33	0,20	lb 0,95	
GEV N 3/8	10	MPa	50	mm	40	12	65	25	N 3/8	44	9	8,5	7,5	kg 0,40	GEVNNT220110000
		Psi	7250	inch	1,57	0,47	2,56	0,98		1,73	0,35	0,33	0,30	lb 0,88	
GEV N 1/2	13	MPa	50	mm	57	18	76	30	N 1/2	44	12	8,5	11	kg 0,82	GEVNNT320110000
		Psi	7250	inch	2,24	0,71	2,99	1,18		1,73	0,47	0,33	0,43	lb 1,81	
GEV N 3/4	20	MPa	50	mm	65	22	85	40	N 3/4	44	12	8,5	15	kg 1,38	GEVNNT420110000
		Psi	7250	inch	2,56	0,87	3,35	1,57		1,73	0,47	0,33	0,59	lb 3,04	
GEV N 1	25	MPa	50	mm	65	22	95	40	N 1	60	11	10,5	21	kg 1,30	GEVNNT520110000
		Psi	7250	inch	2,56	0,87	3,74	1,57		2,36	0,43	0,41	0,83	lb 2,87	

PRESSURE DROP CURVES







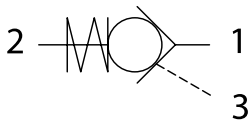
GPS

3 WAYS SINGLE PILOT OPERATED CHECK VALVES

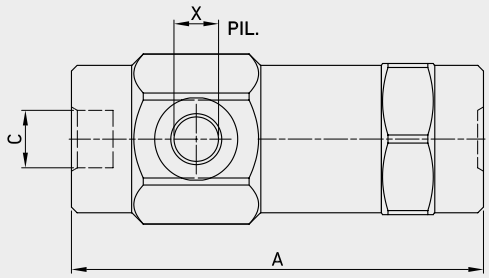
Edition. 21.0

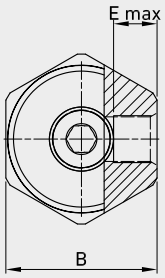
CS Carbon Steel

- Type: 3-ways single pilot operated check valves with zincplasted steel body
- Sizes: from DN6 up to DN25
- Ends: BSP
- O-Rings: NBR
- Pressure: up to PN400
- Temp range: from -20°C to +100°C











CODE DESCRIPTION STRUCTURE

GPS	G1/4	2,5	V

Type and way of valve
GPS

Port size
G 1/4
G 3/8
G 1/2
G 3/4
G 1

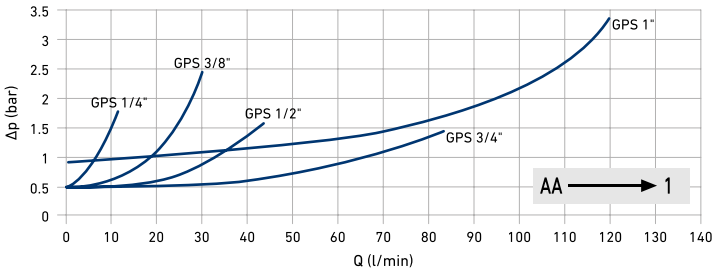
Cracking pressure
2,5
5
3
0,5
1

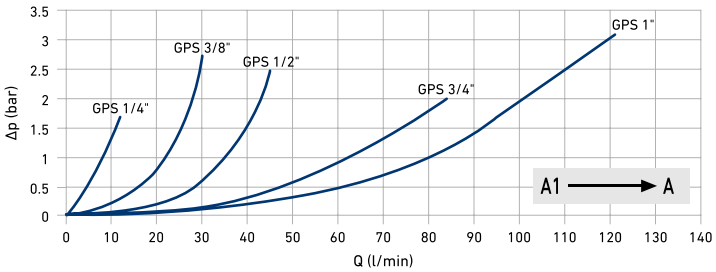
Seals hole
NBR

*On request
• 8 Bar spring

PRESSURE DROP CURVES

Oil viscosity 24 mm/sec. (3,5°E)
Temperature 50° C





GPS

CS Carbon Steel

TYPE	MAX FLOW l/min	MAX PRESSURE		CRACKING PRESSURE		A	B	E	C BSPP	X BSPP	PILOT RATIO	WEIGHT		ITEM CODE
GPS G 1/4	12	MPa	40	0,25	mm	103	36	11	1/4	1/4	1:9	kg	0,650	G550202A01AARAA
		Psi	5800	36,25	inch	4,06	1,42	0,43				lb	1,43	
GPS G 3/8	30	MPa	40	0,5	mm	109	40	11,5	3/8	1/4	1:6	kg	0,820	G550203A01AARAA
		Psi	5800	72,5	inch	4,29	1,57	0,45				lb	1,81	
GPS G 1/2	45	MPa	35	0,3	mm	120	42	11	1/2	1/4	1:4.5	kg	0,960	G550204A01AAPAA
		Psi	5075	43,5	inch	4,72	1,65	0,43				lb	2,12	
GPS G 3/4	85	MPa	35	0,05	mm	131	55	14	3/4	1/4	1:3.7	kg	1,950	G550205A01AAPAA
		Psi	5075	7,25	inch	5,16	2,17	0,55				lb	4,30	
GPS G 1	120	MPa	35	0,1	mm	165	55	14	1	1/4	1:3.5	kg	2,350	G550206A01AAPAA
		Psi	5075	14,5	inch	6,50	2,17	0,55				lb	5,18	

VB VUBA

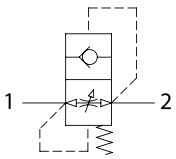
HOSE BREAK VALVE

Edition. 21.0

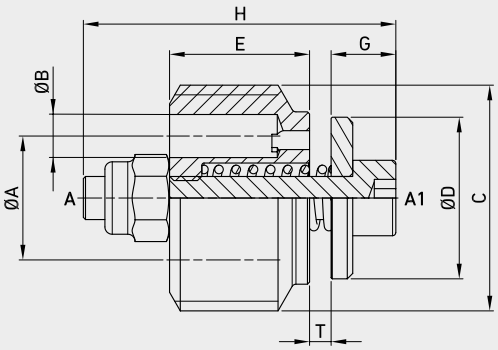
CS Carbon Steel

- Type: hose break valve
- Sizes: from DN6 up to DN25
- Ends: BSP-NPT-SAE
- Pressure: up to PN350
- Temp range: from -20°C to +100°C

VBF Female insert
VBF Male insert









CODE DESCRIPTION STRUCTURE

VB **G3/8** **T0,5** **F0,5**

Type and way of valve

VB

Ends

GAS DIN/
ISO 228
BSP

G 1/4
G 3/8
G 1/2
G 3/4
G 1

Setting

0,25 > 4,25

F (throttling hole*)

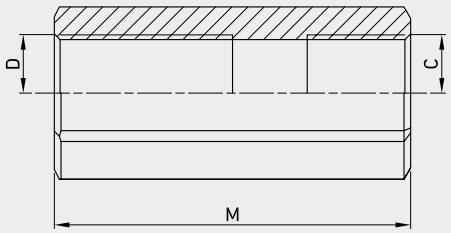
		ø min	ø max
VB G 1/4	mm	0,50	1,00
	inch	0,02	0,04
VB G 3/8	mm	0,50	1,25
	inch	0,02	0,05
VB G 1/2	mm	0,50	1,50
	inch	0,02	0,06
VB G 3/4	mm	0,50	2,50
	inch	0,02	0,10
VB G 1	mm	0,50	3,00
	inch	0,02	0,12

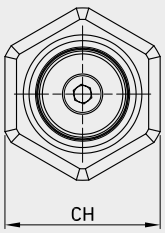
* omit if not requested

VB VALVE

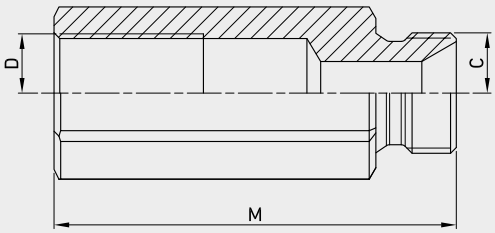
CS Carbon Steel

TYPE	FLOW min-max l/min		ØA	ØB	C	ØD	E	G	H	WEIGHT		ITEM CODE
VB G 1/4	8-25	mm	8,5	2,4	1/4	9,5	8	5,0	23	kg	0,0065	**G540102A01AAPAA**
		inch	0,33	0,09		0,37	0,31	0,20	0,91	lb	0,01	
VB G 3/8	16-50	mm	11	3,5	3/8	12,5	11	5,0	23	kg	0,0125	**G540103A01AAPAA**
		inch	0,43	0,14		0,49	0,43	0,20	0,91	lb	0,03	
VB G 1/2	25-80	mm	13	4,5	1/2	15,0	13	6,0	29	kg	0,0235	**G540104A01AAPAA**
		inch	0,51	0,18		0,59	0,51	0,24	1,14	lb	0,05	
VB G 3/4	50-150	mm	16	6	3/4	18,5	18	6,0	34	kg	0,0460	**G540105A01AAPAA**
		inch	0,63	0,24		0,73	0,71	0,24	1,34	lb	0,10	
VB G 1	70-200	mm	20	7	1	23,0	21	7,5	40	kg	0,0945	**G540106A01AAPAA**
		inch	0,79	0,28		0,91	0,83	0,30	1,57	lb	0,21	





VBF Female housing



VBM Male housing

VBF Female housing

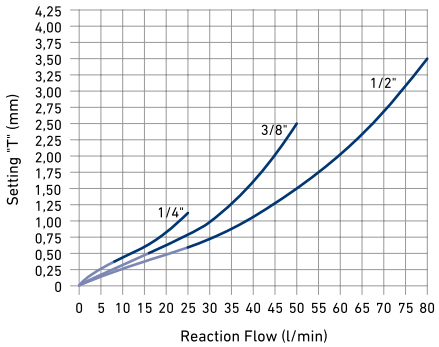
TYPE	CS	C-D		B	M	WEIGHT		Q (L/1')	ITEM CODE
									CS Carbon Steel
VBF G 1/4	1/4	G 1/4	mm	19	48	kg	0,01	28	C01AA03583A010Z
			inch	0,75	1,89	lb	0,02		
VBF G 3/8	3/8	G 3/8	mm	22	52	kg	0,01	50	C01AA03584A010Z
			inch	0,87	2,05	lb	0,02		
VBF G 1/2	1/2	G 1/2	mm	27	60	kg	0,02	85	C01AA03585A010Z
			inch	1,06	2,36	lb	0,04		
VBF G 3/4	3/4	G 3/4	mm	36	72	kg	0,05	150	C01AA03586A010Z
			inch	1,42	2,83	lb	0,11		
VBF G 1	1	G 1	mm	46	85	kg	0,09	180	C01AA03587A010Z
			inch	1,81	3,35	lb	0,20		

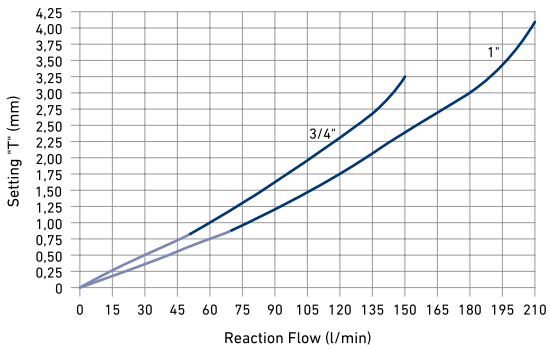
VBM Male housing

TYPE	CS	C-D		B	M	WEIGHT		Q (L/1')	ITEM CODE
									CS Carbon Steel
VBM G 1/4	1/4	G 1/4	mm	19	48	kg	0,01	28	C01AA03578A010Z
			inch	0,75	1,89	lb	0,02		
VBM G 3/8	3/8	G 3/8	mm	22	58	kg	0,01	50	C01AA03579A010Z
			inch	0,87	2,28	lb	0,02		
VBM G 1/2	1/2	G 1/2	mm	27	65	kg	0,02	85	C01AA03580A010Z
			inch	1,06	2,56	lb	0,04		
VBM G 3/4	3/4	G 3/4	mm	36	78	kg	0,05	150	C01AA03581A010Z
			inch	1,42	3,07	lb	0,11		
VBM G 1	1	G 1	mm	46	85	kg	0,09	180	C01AA03582A010Z
			inch	1,81	3,35	lb	0,20		

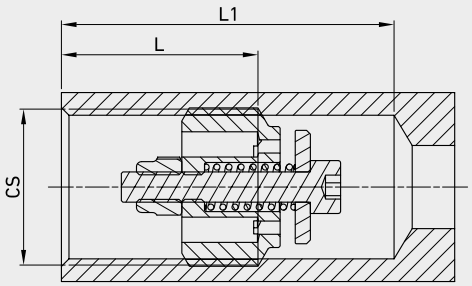
PRESSURE DROP CURVES

For actuator moved by directional control valve, the reaction flow has to be calculated multiply the nominal flow by 1.5 and by 2 for actuator moved by solenoid operated directional control valve.
It is normal to set the reaction flow 1,5 times the rate flow of the system. If not required, the setting of "T" will be supplied at the maximum value.





Warning
the setting values indicated in this diagram are indicative, for any setting value of "T", the reaction flow can change by ±10 % and beyond based on the features of the equipment in which they are installed.



Applications
Screw in the valve connecting 1 to the pressure flow and 2 to the actuator.
The use together with flow control valve is recommended.

VB + VBF Assembled (Female-Female)

CS Carbon Steel

TYPE	FLOW min-max l/min	MAX PRESSURE	T	CS	CAVITY	L	L1	ITEM CODE
VB G 1/4	8-25	35 MPa 5075 PSI	see diagram	1/4	mm	24,2	35,2	G480202A0100PAA
					inch	0,95	1,39	
VB G 3/8	16-50			3/8	mm	26,2	37,1	G480203A0100PAA
					inch	1,03	1,46	
VB G 1/2	25-80			1/2	mm	30,3	45,2	G480204A0100PAA
					inch	1,19	1,78	
VB G 3/4	50-150			3/4	mm	38,1	54,2	G480205A0100PAA
					inch	1,50	2,13	
VB G 1	70-200			1	mm	46,2	66,1	G480206A0100PAA
					inch	1,82	2,60	

VB + VBM Assembled (Male-Female)

CS Carbon Steel

TYPE	FLOW min-max l/min	MAX PRESSURE	T	CS	CAVITY	L	L1	ITEM CODE
VB G 1/4	8-25	35 MPa 5075 PSI	see diagram	1/4	mm	24,2	35,2	G580302A0100PAA
					inch	0,95	1,39	
VB G 3/8	16-50			3/8	mm	26,2	37,1	G580303A0100PAA
					inch	1,03	1,46	
VB G 1/2	25-80			1/2	mm	30,3	45,2	G580304A0100PAA
					inch	1,19	1,78	
VB G 3/4	50-150			3/4	mm	38,1	54,2	G580305A0100PAA
					inch	1,50	2,13	
VB G 1	70-200			1	mm	46,2	66,1	G580306A0100PAA
					inch	1,82	2,60	

SJ

SWIVEL JOINTS

Edition. 21.0

CS Carbon Steel

- Type: swivel joint / at 90°
- Sizes: from DN6 up to DN50
- Ends: BSP- NPT (on request)
- Pressure: up to PN400
- Temp range: from -20°C to +80°C



CODE DESCRIPTION STRUCTURE

SJ	10	G1/2	CS

Type and way of valve

SJ swivel joint

10 line
90 90°

Ends

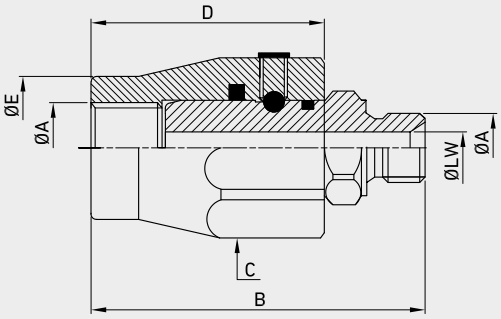
GAS DIN/
ISO 228
BSP

G 1/4
G 3/8
G 1/2
G 3/4
G 1
G 1 1/4
G 1 1/2
G 2

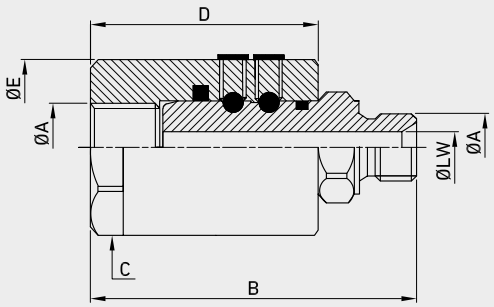
Material

● CS carbon steel





SJ - IN LINE FROM 1/4" TO 1/2"



SJ - IN LINE FROM 3/4"TO 2"

SJ - IN LINE FROM 1/4" TO 1/2"

CS Carbon Steel

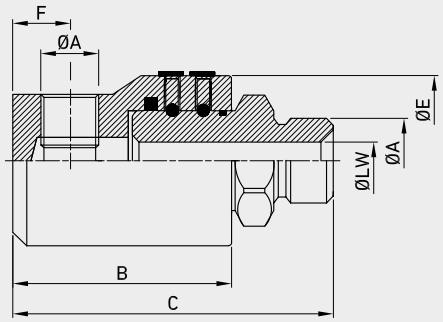
TYPE	ØA		C	B	D	ØE	ØLW		MAX ROTATING PRESSURE	MAX STATIC PRESSURE	MAX FLOW L/min	ITEM CODE
SJ10 IN LINE 1/4 BSP	G 1/4	mm	30	61	42	24	6	MPa	20	40	25	NSJ2G010000
		inch		2,40	1,65	0,94	0,24	Psi	2900	5800		
SJ10 IN LINE 3/8 BSP	G 3/8	mm	34	66	44	25	8,5	MPa	20	40	35	NSJ2G020000
		inch		2,60	1,73	0,98	0,33	Psi	2900	5800		
SJ10 IN LINE 1/2 BSP	G 1/2	mm	36	71	47	32	11,5	MPa	15	30	60	NSJ2G030000
		inch		2,80	1,85	1,26	0,45	Psi	2175	4350		

SJ - IN LINE FROM 3/4"TO 2"

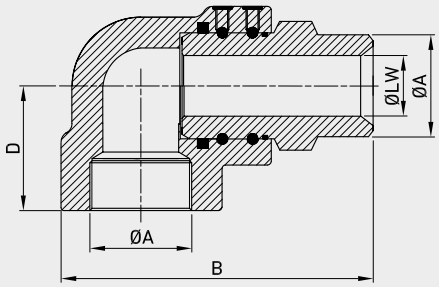
CS Carbon Steel

TYPE	ØA		C	B	D	ØE	ØLW		MAX ROTATING PRESSURE	MAX STATIC PRESSURE	MAX FLOW L/min	ITEM CODE
SJ10 IN LINE 3/4 BSP	G 3/4	mm	45	87,5	56,5	49,5	15	MPa	15	30	100	NSJ2G040000
		inch	1,77	3,44	2,22	1,95	0,59	Psi	2175	4350		
SJ10 IN LINE 1" BSP	G 1	mm	50	93,7	61,5	54,5	20	MPa	10	25	180	NSJ2G050000
		inch	1,97	3,69	2,42	2,15	0,79	Psi	1450	3625		
SJ10 IN LINE 1"1/4 BSP	G 1 1/4	mm	55	101	63	60	28	MPa	10	30	270	NSJ2G060000
		inch	2,17	3,98	2,48	2,36	1,10	Psi	1450	4350		
SJ10 IN LINE 1"1/2 BSP	G 1 1/2	mm	65	110	70	69,5	35	MPa	8	30	350	NSJ2G070000
		inch	2,56	4,33	2,76	2,74	1,38	Psi	1160	4350		
SJ10 IN LINE 2" BSP	G 2	mm	75	119	75	84,5	44	MPa	5	30	700	NSJ2G080000
		inch	2,95	4,69	2,95	3,33	1,73	Psi	725	4350		

The company reserves the right to operate dimensional changes without prior notice.



SJ - AT 90° FROM 1/4" TO 1"



SJ - AT 90° FROM 1 1/4" TO 2"

SJ - AT 90° FROM 1/4" TO 1"

CS Carbon Steel

TYPE	ØA		B	C	ØLW	ØE	F		MAX ROTATING PRESSURE	MAX STATIC PRESSURE	MAX FLOW L/min	ITEM CODE
SJ90 AT 90 1/4 BSP	G 1/4	mm	50	70	6	33,5	11	MPa	20	40	25	NSJ1G010000
		inch	1,97	2,76	0,24	1,32	0,43	Psi	2900	5800		
SJ90 AT 90 3/8 BSP	G 3/8	mm	54	77	8,5	37,5	13	MPa	20	40	35	NSJ1G020000
		inch	2,13	3,03	0,33	1,48	0,51	Psi	2900	5800		
SJ90 AT90 1/2 BSP	G 1/2	mm	63	87	11,5	39,5	14	MPa	15	30	60	NSJ1G030000
		inch	2,48	3,43	0,45	1,56	0,55	Psi	2175	4350		
SJ90 AT 90 3/4 BSP	G 3/4	mm	74	104	15	54,5	19,5	MPa	15	30	100	NSJ1G040000
		inch	2,91	4,09	0,59	2,15	0,77	Psi	2175	4350		
SJ90 AT 90 1" BSP	G 1	mm	87	119	21	55 60	24	MPa	10	30	180	NSJ1G050000
		inch	3,43	4,69	0,83	2,17 2,36	0,94	Psi	1450	4350		

SJ - AT 90° FROM 1 1/4" TO 2"

CS Carbon Steel

TYPE	ØA		B	D	ØLW	MAX ROTATING PRESSURE		MAX STATIC PRESSURE	MAX FLOW L/min	ITEM CODE
SJ90 AT 90 1"1/4 BSP	G1 1/4	mm	119,5	52	28	MPa	10	30	270	NSJ1G060000
		inch	4,70	2,05	1,10	Psi	1450	4350		
SJ90 AT 90 1"1/2 BSP	G1 1/2	mm	140	62	35	MPa	8	30	350	NSJ1G070000
		inch	5,51	2,44	1,38	Psi	1160	4350		
SJ90 AT 90 2" BSP	G 2	mm	151	64	44	MPa	5	25	700	NSJ1G080000
		inch	5,94	2,52	1,73	Psi	725	3625		

SJ HD

SWIVEL JOINTS

Edition. 21.0

CS Carbon Steel

- Type: swivel joint HD / in line
- Sizes: from DN13 up to DN32
- Ends: BSP - UNF/SAE (on request)
- Pressure: up to PN400
- Temp range: -20°C to +80°C



CODE DESCRIPTION STRUCTURE

SJ	10	G1/2	CS

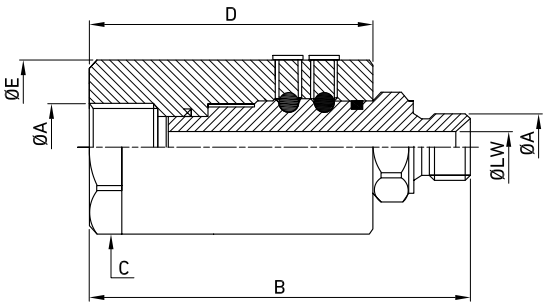
Type and way of valve
SJ swivel joint

10 line

Ends
GAS DIN/ISO 228 BSP"
G 1/2
G 3/4
G 1
G 1 1/4

Material
● CS carbon steel





SJ HD - IN LINE FROM 1/2" TO 1 1/4"

CS Carbon Steel

TYPE	ØA		C	B	D	ØE	ØLW		MAX WORKING PRESSURE	MAX PEAK PRESSURE	MAX FLOW L/min	ITEM CODE
SJ10HD IN LINE 1/2 BSP	G 1/2	mm	36	92	68	40	10	MPa	40	50	95	NSJ2G030001
		inch		3,62	2,68	1,57	0,39	Psi	5800	7250		
SJ10HD IN LINE 3/4 BSP	G 3/4	mm	45	120	89	50	14	MPa	35	50	150	NSJ2G040001
		inch		4,72	3,50	1,97	0,55	Psi	5075	7250		
SJ10HD IN LINE 1 BSP	G 1	mm	50	122	90	55	20	MPa	35	45	215	NSJ2G050001
		inch		4,80	3,54	2,17	0,79	Psi	5075	6525		
SJ10HD IN LINE 1 1/4 BSP	G 1 1/4	mm	55	130	92	60	28	MPa	35	40	310	NSJ2G060001
		inch		5,12	3,62	2,36	1,10	Psi	5075	5800		

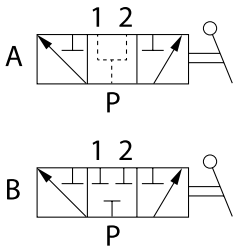
DDF

3 WAYS FLOW DIVIDERS

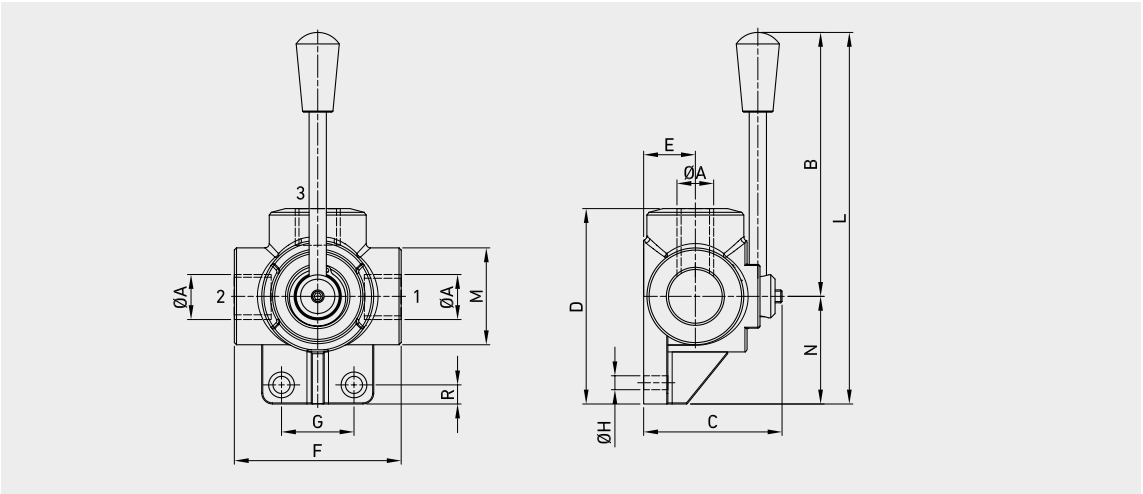
Edition. 21.0

CS Carbon Steel

- **Cast iron**
- Type: 3 ways flow dividers
- Pressure: up to PN300









CODE DESCRIPTION STRUCTURE

DDF **G1/2**

Type and way of valve
DDF 3 ways flow dividers

Ends
GAS DIN/
ISO 228
BSP
G 1/4
G 3/8
G 1/2
G 3/4
G 1

DDF - 3 ways flow dividers with open centre

CS Carbon Steel

TYPE	A	PORTATA MAX (MAX FLOW) L/min	PRESSIONE MAX (MAX PRESSURE)			B	C	D	E	F	G	H	L	M	N	R	WEIGHT		ITEM CODE
DDF3 BSP 1/4 - 140	G 1/4	40	MPa	30	mm	128	62	77	21	73	24	8,5	169	35	41	14,5	kg	0,95	NDF1G010000
			Psi	4350	inch	5,04	2,44	3,03	0,83	2,87	0,94	0,33	6,65	1,38	1,61	0,57	lb	2,09	
DDF3 BSP 3/8 - 380	G 3/8	60	MPa	30	mm	128	62	77	21	73	24	8,5	169	35	41	14,5	kg	0,89	NDF1G020000
			Psi	4350	inch	5,04	2,44	3,03	0,83	2,87	0,94	0,33	6,65	1,38	1,61	0,57	lb	1,96	
DDF3 BSP 1/2 - 120	G 1/2	90	MPa	25	mm	128	70	96	25	85	32	10,5	180	40	52	17	kg	1,45	NDF1G030000
			Psi	3625	inch	5,04	2,76	3,78	0,98	3,35	1,26	0,41	7,09	1,57	2,05	0,67	lb	3,20	
DDF3 BSP 3/4 - 340	G 3/4	120	MPa	22	mm	125	80	100	28	90	32	10,5	180	45	55	14	kg	1,82	NDF1G040000
			Psi	3190	inch	4,92	3,15	3,94	1,10	3,54	1,26	0,41	7,09	1,77	2,17	0,55	lb	4,01	
DDF3 BSP 1" - 100	G 1	200	MPa	22	mm	140	90	115	32,5	96	32	11	207	56	67	17	kg	2,5	NDF1G050000
			Psi	3190	inch	5,51	3,54	4,53	1,28	3,78	1,26	0,43	8,15	2,20	2,64	0,67	lb	5,51	





OIL & GAS

FLOATING & TRUNNION DESIGN

For Oil&Gas fields, **GEMELS** produces ball valves from ¼"up to 42", ensuring material 100% Made in Italy/EU. **GEMELS** valves are in accordance to the international norms and to the specifications of the biggest global players in downstream, midstream e upstream fields, both for onshore and offshore application. In addition to manual valves, cooperating with the most important manufacturers of actuators, **GEMELS** supplies also the complete package with pneumatic, electric, Gas-Over-Oil, hydraulic actuators and HIPPS system.

GN

2-WAY HIGH PRESSURE BALL VALVES

Edition. 21.2

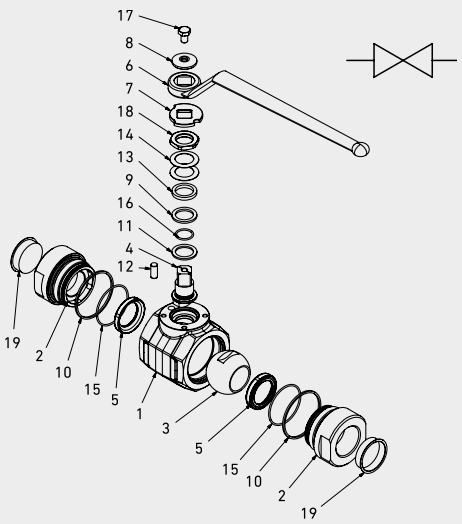
CS Carbon Steel

- Type: ball valve 2way
- Sizes: from DN6 up to DN50
- Ends: BSP-NPT-SW-SWXT -PE BW
- O-Rings: NBR, FKM, EPDM, MVQ
- Pressure: up to PN500 / S6000
- Temp range: -46°C to +250°C (depending on materials selected)

SS Stainless Steel

- Type: ball valve 2way
- Sizes: from DN6 up to DN50
- Ends: BSP-NPT-SW-SWXT -PE BW
- O-Rings: NBR, FKM, EPDM, MVQ
- Pressure: up to PN500 / S6000
- Temp range: -46°C to +250°C (depending on materials selected)

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	ASTM A350 LF2	ASTM A182 F316
2	Adapter	2	ASTM A350 LF2	ASTM A182 F316
3	Ball	1	ASTM A479 Tp.316	ASTM A479 Tp.316
4	Stem	1	ASTM A479 Tp.316	ASTM A479 Tp.316
5	Ball seat	2	POM	POM
6	Handle	1	Fe37	Fe37
7	Washer	1	AISI 316	AISI 316
8	Washer	1	AISI 316	AISI 316
9	Body ring	1	Graphite	Graphite
10	Adapter ring	2	Graphite	Graphite

POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
11	Stem ring	2	PTFE	PTFE
12	Spine	1	AISI 316	AISI 316
13	Press ring	1	AISI 316	AISI 316
14	Spring	2	AISI 316	AISI 316
15	Adapter o-ring	2	NBR	NBR
16	Stem o-ring	1	NBR	NBR
17	Screw	1	ISO 4762 A4	ISO4762 A4
18	Nut	1	AISI 316	AISI 316
19	Caps	2	PVC	PVC





CODE DESCRIPTION STRUCTURE

GN	G1 1/2	DN13	A105	F316	POM	B

Type and way of valve

GN 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SW	SW EXTRALONG	PE
G 1/4	N 1/4	SW 1/4	SWXT 1/4	PE 1/4
G 3/8	N 3/8	SW 3/8	SWXT 3/8	PE 3/8
G 1/2	N 1/2	SW 1/2	SWXT 1/2	PE 1/2
G 3/4	N 3/4	SW 3/4	SWXT 3/4	PE 3/4
G 1	N 1	SW 1	SWXT 1	PE 1
G 1 1/4	N 1 1/4	SW 1 1/4	SWXT 1 1/4	PE 1 1/4
G 1 1/2	N 1 1/2	SW 1 1/2	SWXT 1 1/2	PE 1 1/2
G 2	N 2	SW 2	SWXT 2	PE 2

Sizes

DN6
DN10
DN13
DN20
DN25
DN32
DN40
DN50

Body and adapter material

● LF2
● F316

Stem and ball material

● F316
● F316

Ball seat material

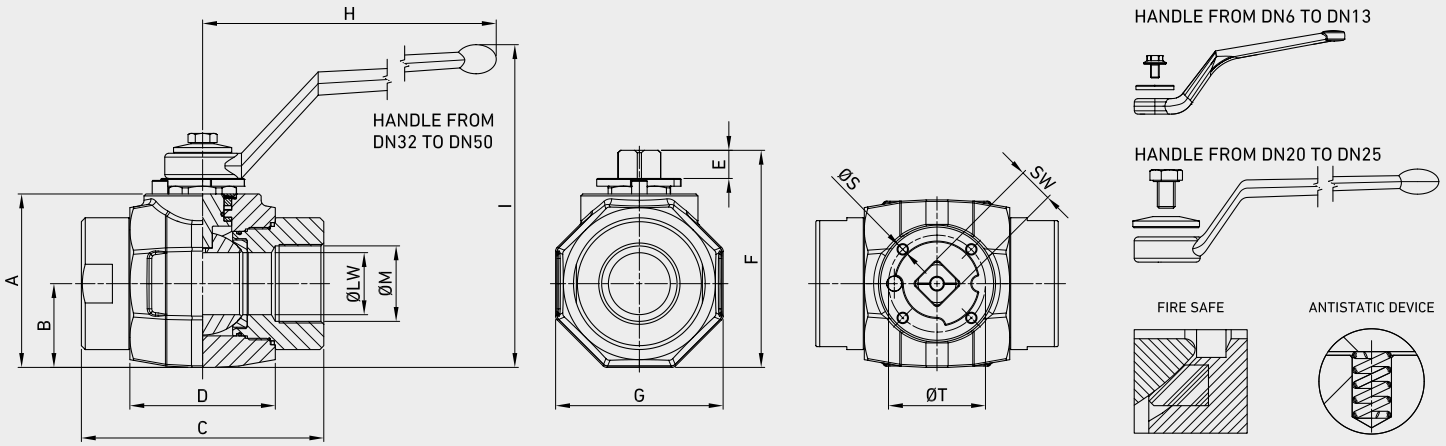
A = POM **D** = PEEK*

Adapter and stem seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request
- Reduced bore
- Special threads
- Pressure class up to PN500 or 6000 Psi
- Locking device
- Pneumatic and electrical actuator

For further special requests please consult our technical/commercial service.



GN DIN/ISO 228 BSP

TYPE	DN		A	B	C	D	E	F	ØG*	H	I	ØLW	ØM	ØS	ISO 5211	ØT	SW	WEIGHT	
GN G 1/4	6	mm	48,5	22	72	44	9,4	65	45	107	108	6	G 1/4	M5	F03	36	9	kg	0,82
		inch	1,91	0,87	2,83	1,73	0,37	2,56	1,77	4,21	4,25	0,24				1,42	0,35	lb	1,81
GN G 3/8	10	mm	48,5	22	73	44	9,4	65	45	107	108	10	G 3/8	M5	F03	36	9	kg	0,82
		inch	1,91	0,87	2,87	1,73	0,37	2,56	1,77	4,21	4,25	0,39				1,42	0,35	lb	1,81
GN G 1/2	13	mm	53	24	81	48	9,4	70	49	107	113	13	G 1/2	M5	F03	36	9	kg	1,041
		inch	2,09	0,94	3,19	1,89	0,37	2,76	1,93	4,21	4,45	0,51				1,42	0,35	lb	2,30
GN G 3/4	20	mm	66	30	98	62	13,4	88	61	200	123	20	G 3/4	M6	F05	50	14	kg	2,089
		inch	2,60	1,18	3,86	2,44	0,53	3,46	2,40	7,87	4,84	0,79				1,97	0,55	lb	4,61
GN G 1	25	mm	76	36	106	66	13,4	98	73	200	133	25	G 1	M6	F05	50	14	kg	2,822
		inch	2,99	1,42	4,17	2,60	0,53	3,86	2,87	7,87	5,24	0,98				1,97	0,55	lb	6,22
GN G 1 1/4	32	mm	89,5	43	126	75	14,5	112	86	310	166	32	G 1 1/4	M6	F05	50	17	kg	4,508
		inch	3,52	1,69	4,96	2,95	0,57	4,41	3,39	12,20	6,54	1,26				1,97	0,67	lb	9,94
GN G 1 1/2	40	mm	106	53	135	85	14	129	106	310	184	40	G 1 1/2	M6	F05	50	17	kg	6,89
		inch	4,17	2,09	5,31	3,35	0,55	5,08	4,17	12,20	7,24	1,57				1,97	0,67	lb	15,19
GN G 2	50	mm	116	59	160	98	13,5	138	118	310	194	50	G 2	M6	F05	50	17	kg	9,628
		inch	4,57	2,32	6,30	3,86	0,53	5,43	4,65	12,20	7,64	1,97				1,97	0,67	lb	21,23

The company reserves the right to operate dimensional changes without prior notice.

(POM SEAL)
GN DIN/ISO 228 PN

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 50 / Psi 7250	GN2GGT15024A000	GN2GGT15044A000
10	MPa 50 / Psi 7250	GN2GGT25024A000	GN2GGT25044A000
13	MPa 50 / Psi 7250	GN2GGT35024A000	GN2GGT35044A000
20	MPa 42 / Psi 6090	GN2GGT44024A000	GN2GGT44044A000
25	MPa 42 / Psi 6090	GN2GGT53024A000	GN2GGT53044A000
32	MPa 42 / Psi 6090	GN2GGT63024A000	GN2GGT63044A000
40	MPa 42 / Psi 6090	GN2GGT73024A000	GN2GGT73044A000
50	MPa 42 / Psi 6090	GN2GGT83024A000	GN2GGT83044A000

(PEEK SEAL)
GN DIN/ISO 228 PN

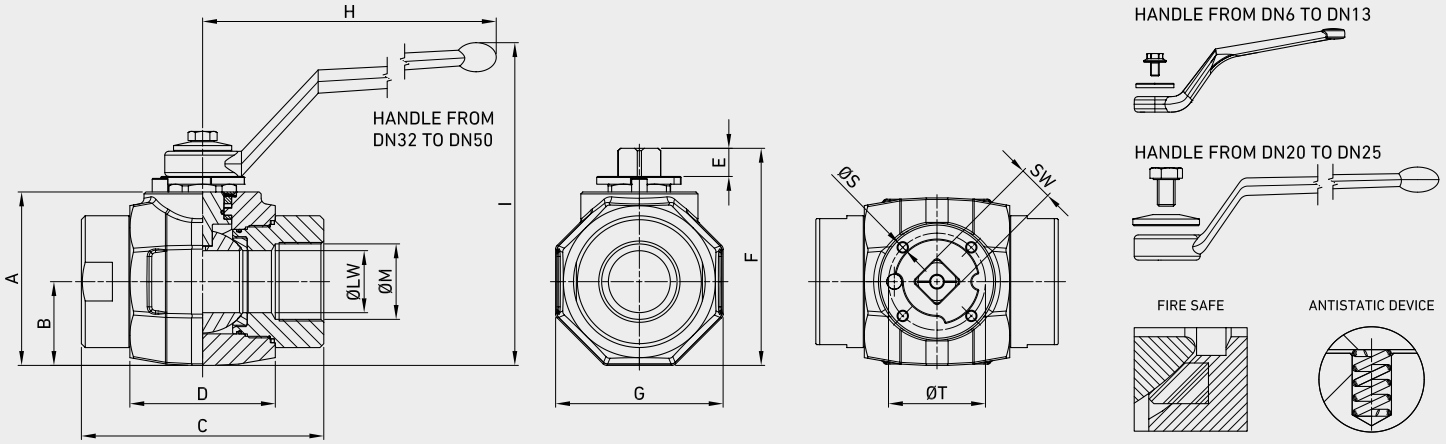
DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 41,4 / Psi 6000	GN2GGT15024P000	GN2GGT15044P000
10	MPa 41,4 / Psi 6000	GN2GGT25024P000	GN2GGT25044P000
13	MPa 41,4 / Psi 6000	GN2GGT35024P000	GN2GGT35044P000
20	MPa 41,4 / Psi 6000	GN2GGT44024P000	GN2GGT44044P000
25	MPa 41,4 / Psi 6000	GN2GGT53024P000	GN2GGT53044P000
32	MPa 41,4 / Psi 6000	GN2GGT63024P000	GN2GGT63044P000
40	MPa 41,4 / Psi 6000	GN2GGT73024P000	GN2GGT73044P000
50	MPa 41,4 / Psi 6000	GN2GGT83024P000	GN2GGT63044P000

(POM SEAL)
GN DIN/ISO 228 S6000

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 50 / Psi 7250	GN2GGT1G024A000	GN2GGT1G044A000
10	MPa 50 / Psi 7250	GN2GGT2G024A000	GN2GGT2G044A000
13	MPa 50 / Psi 7250	GN2GGT3G024A000	GN2GGT3G044A000
20	MPa 42 / Psi 6090	GN2GGT4G024A000	GN2GGT4G044A000
25	MPa 42 / Psi 6090	GN2GGT5G024A000	GN2GGT5G044A000
32	MPa 42 / Psi 6090	GN2GGT6G024A000	GN2GGT6G044A000
40	MPa 42 / Psi 6090	GN2GGT7G024A000	GN2GGT7G044A000
50	MPa 42 / Psi 6090	GN2GGT8G024A000	GN2GGT8G044A000

(PEEK SEAL)
GN DIN/ISO 228 S6000

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 41,4 / Psi 6000	GN2GGT1G024P000	GN2GGT1G044P000
10	MPa 41,4 / Psi 6000	GN2GGT2G024P000	GN2GGT2G044P000
13	MPa 41,4 / Psi 6000	GN2GGT3G024P000	GN2GGT3G044P000
20	MPa 41,4 / Psi 6000	GN2GGT4G024P000	GN2GGT4G044P000
25	MPa 41,4 / Psi 6000	GN2GGT5G024P000	GN2GGT5G044P000
32	MPa 41,4 / Psi 6000	GN2GGT6G024P000	GN2GGT6G044P000
40	MPa 41,4 / Psi 6000	GN2GGT7G024P000	GN2GGT7G044P000
50	MPa 41,4 / Psi 6000	GN2GGT8G024P000	GN2GGT8G044P000



GN ANSI/ASME B1.20.1 NPT

TYPE	DN		A	B	C	D	E	F	ØG*	H	I	ØLW	ØM	ØS	ISO 5211	ØT	SW	WEIGHT	
GN N 1/4	6	mm	48,5	22	72	44	9,4	65	45	107	108	6	N 1/4	M5	F03	36	9	kg	0,82
		inch	1,91	0,87	2,83	1,73	0,37	2,56	1,77	4,21	4,25	0,24				1,42	0,35	lb	1,81
GN N 3/8	10	mm	48,5	22	73	44	9,4	65	45	107	108	10	N 3/8	M5	F03	36	9	kg	0,82
		inch	1,91	0,87	2,87	1,73	0,37	2,56	1,77	4,21	4,25	0,39				1,42	0,35	lb	1,81
GN N 1/2	13	mm	53	24	81	48	9,4	70	49	107	113	13	N 1/2	M5	F03	36	9	kg	1,041
		inch	2,09	0,94	3,19	1,89	0,37	2,76	1,93	4,21	4,45	0,51				1,42	0,35	lb	2,30
GN N 3/4	20	mm	66	30	98	62	13,4	88	61	200	123	20	N 3/4	M6	F05	50	14	kg	2,089
		inch	2,60	1,18	3,86	2,44	0,53	3,46	2,40	7,87	4,84	0,79				1,97	0,55	lb	4,61
GN N 1	25	mm	76	36	106	66	13,4	98	73	200	133	25	N 1	M6	F05	50	14	kg	2,822
		inch	2,99	1,42	4,17	2,60	0,53	3,86	2,87	7,87	5,24	0,98				1,97	0,55	lb	6,22
GN N 1 1/4	32	mm	89,5	43	126	75	14,5	112	86	310	166	32	N 1 1/4	M6	F05	50	17	kg	4,508
		inch	3,52	1,69	4,96	2,95	0,57	4,41	3,39	12,20	6,54	1,26				1,97	0,67	lb	9,94
GN N 1 1/2	40	mm	106	53	135	85	14	129	106	310	184	40	N 1 1/2	M6	F05	50	17	kg	6,89
		inch	4,17	2,09	5,31	3,35	0,55	5,08	4,17	12,20	7,24	1,57				1,97	0,67	lb	15,19
GN N 2	50	mm	116	59	160	98	13,5	138	118	310	194	50	N 2	M6	F05	50	17	kg	9,628
		inch	4,57	2,32	6,30	3,86	0,53	5,43	4,65	12,20	7,64	1,97				1,97	0,67	lb	21,23

The company reserves the right to operate dimensional changes without prior notice.

(POM SEAL)

GN ANSI/ASME B1.20.1 NPT PN

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	50	GN2NNT15024A000	GN2NNT15044A000
	Psi	7250		
10	MPa	50	GN2NNT25024A000	GN2NNT25044A000
	Psi	7250		
13	MPa	50	GN2NNT35024A000	GN2NNT35044A000
	Psi	7250		
20	MPa	42	GN2NNT44024A000	GN2NNT44044A000
	Psi	6090		
25	MPa	42	GN2NNT53024A000	GN2NNT53044A000
	Psi	6090		
32	MPa	42	GN2NNT63024A000	GN2NNT63044A000
	Psi	6090		
40	MPa	42	GN2NNT73024A000	GN2NNT73044A000
	Psi	6090		
50	MPa	42	GN2NNT83024A000	GN2NNT83044A000
	Psi	6090		

(PEEK SEAL)

GN ANSI/ASME B1.20.1 NPT PN

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	41,4	GN2NNT15024P000	GN2NNT15044P000
	Psi	6000		
10	MPa	41,4	GN2NNT25024P000	GN2NNT25044P000
	Psi	6000		
13	MPa	41,4	GN2NNT35024P000	GN2NNT35044P000
	Psi	6000		
20	MPa	41,4	GN2NNT44024P000	GN2NNT44044P000
	Psi	6000		
25	MPa	41,4	GN2NNT53024P000	GN2NNT53044P000
	Psi	6000		
32	MPa	41,4	GN2NNT63024P000	GN2NNT63044P000
	Psi	6000		
40	MPa	41,4	GN2NNT73024P000	GN2NNT73044P000
	Psi	6000		
50	MPa	41,4	GN2NNT83024P000	GN2NNT83044P000
	Psi	6000		

(POM SEAL)

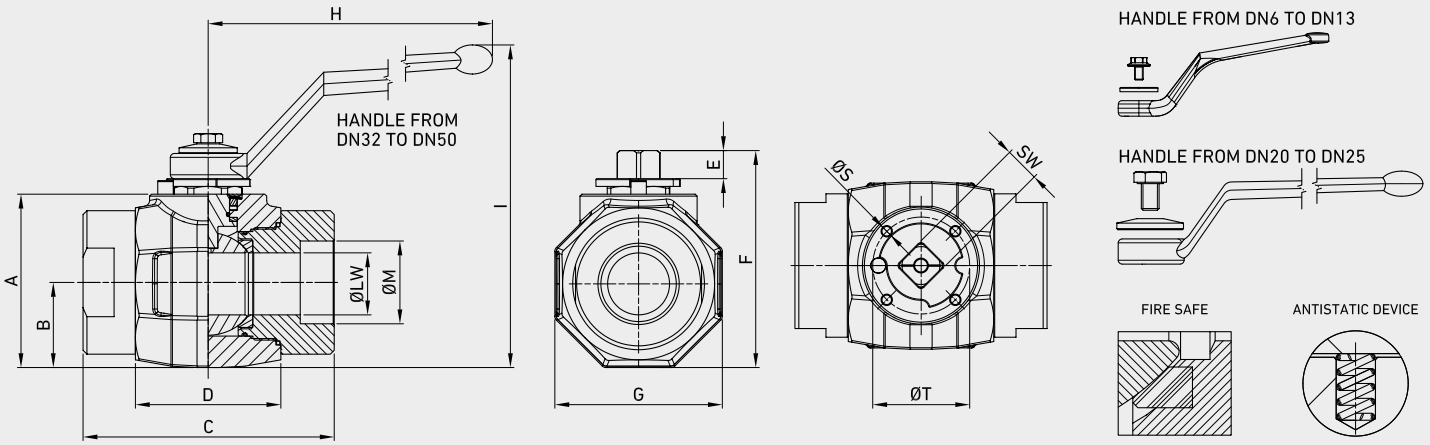
GN ANSI/ASME B1.20.1 NPT S6000

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	50	GN2NNT1G024A000	GN2NNT1G044A000
	Psi	7250		
10	MPa	50	GN2NNT2G024A000	GN2NNT2G044A000
	Psi	7250		
13	MPa	50	GN2NNT3G024A000	GN2NNT3G044A000
	Psi	7250		
20	MPa	42	GN2NNT4G024A000	GN2NNT4G044A000
	Psi	6090		
25	MPa	42	GN2NNT5G024A000	GN2NNT5G044A000
	Psi	6090		
32	MPa	42	GN2NNT6G024A000	GN2NNT6G044A000
	Psi	6090		
40	MPa	42	GN2NNT7G024A000	GN2NNT7G044A000
	Psi	6090		
50	MPa	42	GN2NNT8G024A000	GN2NNT8G044A000
	Psi	6090		

(PEEK SEAL)

GN ANSI/ASME B1.20.1 NPT S6000

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	41,4	GN2NNT1G024P000	GN2NNT1G044P000
	Psi	6000		
10	MPa	41,4	GN2NNT2G024P000	GN2NNT2G044P000
	Psi	6000		
13	MPa	41,4	GN2NNT3G024P000	GN2NNT3G044P000
	Psi	6000		
20	MPa	41,4	GN2NNT4G024P000	GN2NNT4G044P000
	Psi	6000		
25	MPa	41,4	GN2NNT5G024P000	GN2NNT5G044P000
	Psi	6000		
32	MPa	41,4	GN2NNT6G024P000	GN2NNT6G044P000
	Psi	6000		
40	MPa	41,4	GN2NNT7G024P000	GN2NNT7G044P000
	Psi	6000		
50	MPa	41,4	GN2NNT8G024P000	GN2NNT8G044P000
	Psi	6000		



GN SW

TYPE	DN		A	B	C	D	E	F	ØG*	H	I	ØLW	ØM	ØS	ISO 5211	ØT	SW	WEIGHT	
GN SW 1/4	6	mm	48,5	22	72	44	9,4	65	45	107	108	6	SW 1/4	M5	F03	36	9	kg	0,82
		inch	1,91	0,87	2,83	1,73	0,37	2,56	1,77	4,21	4,25	0,24				1,42	0,35	lb	1,81
GN SW 3/8	10	mm	48,5	22	73	44	9,4	65	45	107	108	10	SW 3/8	M5	F03	36	9	kg	0,82
		inch	1,91	0,87	2,87	1,73	0,37	2,56	1,77	4,21	4,25	0,39				1,42	0,35	lb	1,81
GN SW 1/2	13	mm	53	24	81	48	9,4	70	49	107	113	13	SW 1/2	M5	F03	36	9	kg	1,041
		inch	2,09	0,94	3,19	1,89	0,37	2,76	1,93	4,21	4,45	0,51				1,42	0,35	lb	2,30
GN SW 3/4	20	mm	66	30	98	62	13,4	88	61	200	123	20	SW 3/4	M6	F05	50	14	kg	2,089
		inch	2,60	1,18	3,86	2,44	0,53	3,46	2,40	7,87	4,84	0,79				1,97	0,55	lb	4,61
GN SW 1	25	mm	76	36	106	66	13,4	98	73	200	133	25	SW 1	M6	F05	50	14	kg	2,822
		inch	2,99	1,42	4,17	2,60	0,53	3,86	2,87	7,87	5,24	0,98				1,97	0,55	lb	6,22
GN SW 1 1/4	32	mm	89,5	43	126	75	14,5	112	86	310	166	32	SW 1 1/4	M6	F05	50	17	kg	4,508
		inch	3,52	1,69	4,96	2,95	0,57	4,41	3,39	12,20	6,54	1,26				1,97	0,67	lb	9,94
GN SW 1 1/2	40	mm	106	53	135	85	14	129	106	310	184	40	SW 1 1/2	M6	F05	50	17	kg	6,89
		inch	4,17	2,09	5,31	3,35	0,55	5,08	4,17	12,20	7,24	1,57				1,97	0,67	lb	15,19
GN SW 2	50	mm	116	59	160	98	13,5	138	118	310	194	50	SW 2	M6	F05	50	17	kg	9,628
		inch	4,57	2,32	6,30	3,86	0,53	5,43	4,65	12,20	7,64	1,97				1,97	0,67	lb	21,23

The company reserves the right to operate dimensional changes without prior notice.

(POM SEAL)

GN SW PN

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 50 / Psi 7250	GN2TTT15024A000	GN2TTT15044A000
10	MPa 50 / Psi 7250	GN2TTT25024A000	GN2TTT25044A000
13	MPa 50 / Psi 7250	GN2TTT35024A000	GN2TTT35044A000
20	MPa 42 / Psi 6090	GN2TTT44024A000	GN2TTT44044A000
25	MPa 42 / Psi 6090	GN2TTT53024A000	GN2TTT53044A000
32	MPa 42 / Psi 6090	GN2TTT63024A000	GN2TTT83044A000
40	MPa 42 / Psi 6090	GN2TTT73024A000	GN2TTT73044A000
50	MPa 42 / Psi 6090	GN2TTT63024A000	GN2TTT83044A000

(PEEK SEAL)

GN SW PN

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 41,4 / Psi 6000	GN2TTT15024P000	GN2TTT15044P000
10	MPa 41,4 / Psi 6000	GN2TTT25024P000	GN2TTT25044P000
13	MPa 41,4 / Psi 6000	GN2TTT35024P000	GN2TTT35044P000
20	MPa 41,4 / Psi 6000	GN2TTT44024P000	GN2TTT44044P000
25	MPa 41,4 / Psi 6000	GN2TTT53024P000	GN2TTT53044P000
32	MPa 41,4 / Psi 6000	GN2TTT63024P000	GN2TTT63044P000
40	MPa 41,4 / Psi 6000	GN2TTT73024P000	GN2TTT73044P000
50	MPa 41,4 / Psi 6000	GN2TTT83024P000	GN2TTT83044P000

(POM SEAL)

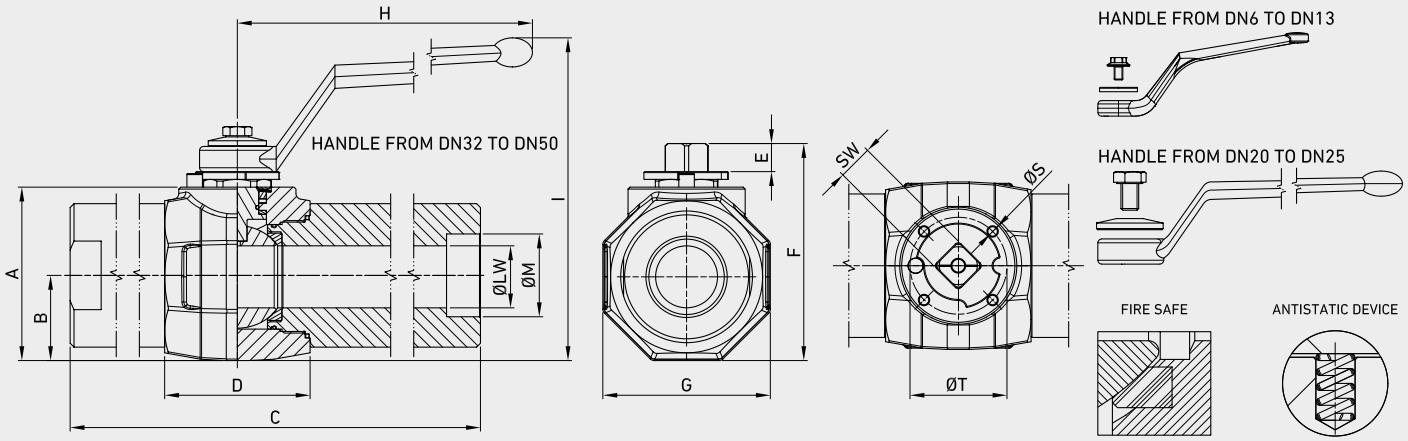
GN SW S6000

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 50 / Psi 7250	GN2TTT1G024A000	GN2TTT1G044A000
10	MPa 50 / Psi 7250	GN2TTT2G024A000	GN2TTT2G044A000
13	MPa 50 / Psi 7250	GN2TTT3G024A000	GN2TTT3G044A000
20	MPa 42 / Psi 6090	GN2TTT4G024A000	GN2TTT4G044A000
25	MPa 42 / Psi 6090	GN2TTT5G024A000	GN2TTT5G044A000
32	MPa 42 / Psi 6090	GN2TTT6G024A000	GN2TTT6G044A000
40	MPa 42 / Psi 6090	GN2TTT7G024A000	GN2TT17G044A000
50	MPa 42 / Psi 6090	GN2TTT8G024A000	GN2TTT6G044A000

(PEEK SEAL)

GN SW S6000

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 41,4 / Psi 6000	GN2TTT1G024P000	GN2TTT1G044P000
10	MPa 41,4 / Psi 6000	GN2TTT2G024P000	GN2TTT2G044P000
13	MPa 41,4 / Psi 6000	GN2TTT3G024P000	GN2TTT3G044P000
20	MPa 41,4 / Psi 6000	GN2TTT4G024P000	GN2TTT4G044P000
25	MPa 41,4 / Psi 6000	GN2TTT5G024P000	GN2TTT5G044P000
32	MPa 41,4 / Psi 6000	GN2TTT6G024P000	GN2TTT6G044P000
40	MPa 41,4 / Psi 6000	GN2TTT7G024P000	GN2TTT7G044P000
50	MPa 41,4 / Psi 6000	GN2TTT8G024P000	GN2TTTBG044P000



GN SW EXTRALONG

TYPE	DN		A	B	C	D	E	F	ØG*	H	I	ØLW	ØM	ØS	ISO 5211	ØT	SW	WEIGHT	
GN SWXT 1/4	6	mm	48,5	22	262	44	9,4	65	45	107	108	6	SW 1/4	M5	F03	36	9	kg	2,702
		inch	1,91	0,87	10,31	1,73	0,37	2,56	1,77	4,21	4,25	0,24				1,42	0,35	lb	5,96
GN SWXT 3/8	10	mm	48,5	22	262	44	9,4	65	45	107	108	10	SW 3/8	M5	F03	36	9	kg	2,599
		inch	1,91	0,87	10,31	1,73	0,37	2,56	1,77	4,21	4,25	0,39				1,42	0,35	lb	5,73
GN SWXT 1/2	13	mm	53	24	271	48	9,4	70	49	107	113	13	SW 1/2	M5	F03	36	9	kg	3,303
		inch	2,09	0,94	10,67	1,89	0,37	2,76	1,93	4,21	4,45	0,51				1,42	0,35	lb	7,28
GN SWXT 3/4	20	mm	66	30	288	62	13,4	88	61	200	123	20	SW 3/4	M6	F05	50	14	kg	5,595
		inch	2,60	1,18	11,34	2,44	0,53	3,46	2,40	7,87	4,84	0,79				1,97	0,55	lb	12,33
GN SWXT 1	25	mm	76	36	296	66	13,4	98	73	200	133	25	SW 1	M6	F05	50	14	kg	7,534
		inch	2,99	1,42	11,65	2,60	0,53	3,86	2,87	7,87	5,24	0,98				1,97	0,55	lb	16,61
GN SWXT 11,4	32	mm	89,5	43	318	75	14,5	112	86	310	166	32	SW 1 1/4	M6	F05	50	17	kg	8,923
		inch	3,52	1,69	12,52	2,95	0,57	4,41	3,39	12,20	6,54	1,26				1,97	0,67	lb	19,67
GN SWXT 1 1/2	40	mm	106	53	325	85	14	129	106	310	184	40	SW 1 1/2	M6	F05	50	17	kg	14,49
		inch	4,17	2,09	12,80	3,35	0,55	5,08	4,17	12,20	7,24	1,57				1,97	0,67	lb	31,94
GN SWXT 2	50	mm	116	59	350	98	13,5	138	118	310	194	50	SW 2	M6	F05	50	17	kg	18,328
		inch	4,57	2,32	13,78	3,86	0,53	5,43	4,65	12,20	7,64	1,97				1,97	0,67	lb	40,41

The company reserves the right to operate dimensional changes without prior notice.

(POM SEAL)
GN SW EXTRALONG PN

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	50	GN2TXT15024A000	GN2TXT15044A000
	Psi	7250		
10	MPa	50	GN2TXT25024A000	GN2TXT25044A000
	Psi	7250		
13	MPa	50	GN2TXT35024A000	GN2TXT35044A000
	Psi	7250		
20	MPa	40	GN2TXT44024A000	GN2TXT44044A000
	Psi	5800		
25	MPa	35	GN2TXT53024A000	GN2TXT53044A000
	Psi	5075		
32	MPa	35	GN2TXT63024A000	GN2TXT63044A000
	Psi	5075		
40	MPa	35	GN2TXT73024A000	GN2TXT73044A000
	Psi	5075		
50	MPa	35	GN2TXT83024A000	GN2TXT83044A000
	Psi	5075		

(PEEK SEAL)
GN SW EXTRALONG PN

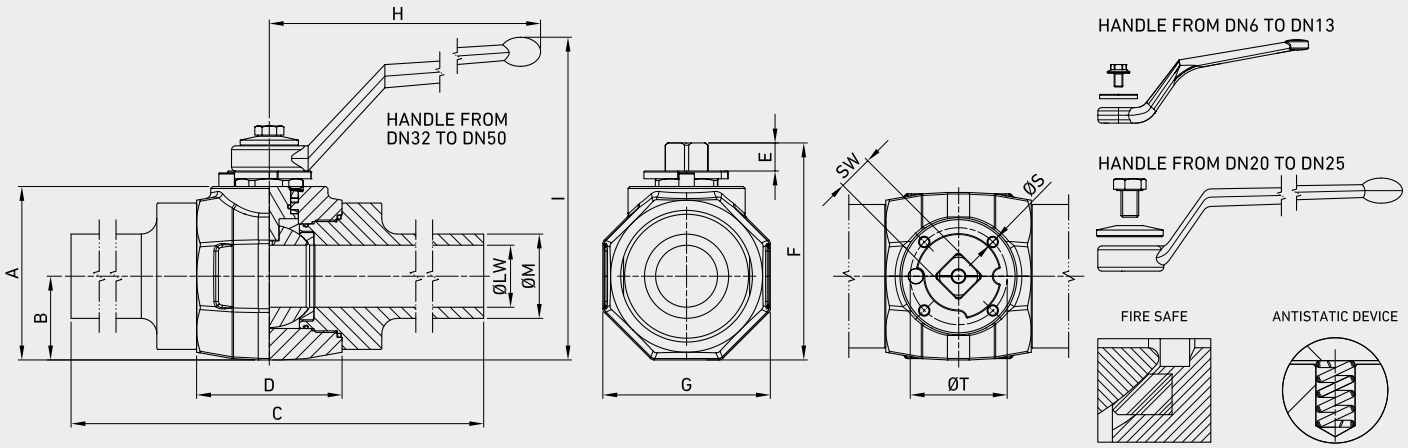
DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	50	GN2TXT15024P000	GN2TXT15044P000
	Psi	7250		
10	MPa	50	GN2TXT25024P000	GN2TXT25044P000
	Psi	7250		
13	MPa	50	GN2TXT35024P000	GN2TXT35044P000
	Psi	7250		
20	MPa	42	GN2TXT44024P000	GN2TXT44044P000
	Psi	6090		
25	MPa	42	GN2TXT53024P000	GN2TXT53044P000
	Psi	6090		
32	MPa	35	GN2TXT63024P000	GN2TXT63044P000
	Psi	5075		
40	MPa	35	GN2TXT73024P000	GN2TXT73044P000
	Psi	5075		
50	MPa	35	GN2TXT83024P000	GN2TXT63044P000
	Psi	5075		

(POM SEAL)
GN SW EXTRALONG S6000

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	50	GN2TXT1G024A000	GN2TXT1G044A000
	Psi	7250		
10	MPa	50	GN2TXT2G024A000	GN2TXT2G044A000
	Psi	7250		
13	MPa	50	GN2TXT3G024A000	GN2TXT3G044A000
	Psi	7250		
20	MPa	42	GN2TXT4G024A000	GN2TXT4G044A000
	Psi	6090		
25	MPa	42	GN2TXT5G024A000	GN2TXT5G044A000
	Psi	6090		
32	MPa	42	GN2TXT6G024A000	GN2TXT6G044A000
	Psi	6090		
40	MPa	42	GN2TXT7G024A000	GN2TXT7G044A000
	Psi	6090		
50	MPa	42	GN2TXT8G024A000	GN2TXT8G044A000
	Psi	6090		

(PEEK SEAL)
GN SW EXTRALONG S6000

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	41,4	GN2TXT1G024P000	GN2TXT1G044P000
	Psi	6000		
10	MPa	41,4	GN2TXT2G024P000	GN2TXT2G044P000
	Psi	6000		
13	MPa	41,4	GN2TXT3G024P000	GN2TXT3G044P000
	Psi	6000		
20	MPa	41,4	GN2TXT4G024P000	GN2TXT4G044P000
	Psi	6000		
25	MPa	41,4	GN2TXT5G024P000	GN2TXT5G044P000
	Psi	6000		
32	MPa	41,4	GN2TXT6G024P000	GN2TXT&G044P000
	Psi	6000		
40	MPa	41,4	GN2TXT7G024P000	GN2TXT7G044P000
	Psi	6000		
50	MPa	41,4	GN2TXT8G024P000	GN2TXT&G044P000
	Psi	6000		



GN PE

TYPE	DN		A	B	C	D	E	F	ØG*	H	I	ØLW	LSCH80	ØM	ØS	ISO 5211	ØT	SW	WEIGHT	
GN PE 1/4	6	mm	48,5	22	272	44	9,4	65	45	107	108	6	3,02	PE 1/4	M5	F03	36	9	kg	1,227
		inch	1,91	0,87	10,71	1,73	0,37	2,56	1,77	4,21	4,25	0,24	0,12				1,42	0,35	lb	2,71
GN PE 3/8	10	mm	48,5	22	272	44	9,4	65	45	107	108	10	3,2	PE 3/8	M5	F03	36	9	kg	1,27
		inch	1,91	0,87	10,71	1,73	0,37	2,56	1,77	4,21	4,25	0,39	0,13				1,42	0,35	lb	2,80
GN PE 1/2	13	mm	53	24	281	48	9,4	70	49	107	113	13	3,73	PE 1/2	M5	F03	36	9	kg	1,709
		inch	2,09	0,94	11,06	1,89	0,37	2,76	1,93	4,21	4,45	0,51	0,15				1,42	0,35	lb	3,77
GN PE 3/4	20	mm	66	30	298	62	13,4	88	61	200	123	20	3,91	PE 3/4	M6	F05	50	14	kg	3,159
		inch	2,60	1,18	11,73	2,44	0,53	3,46	2,40	7,87	4,84	0,79	0,15				1,97	0,55	lb	6,96
GN PE 1	25	mm	76	36	306	66	13,4	98	73	200	133	25	4,55	PE 1	M6	F05	50	14	kg	4,224
		inch	2,99	1,42	12,05	2,60	0,53	3,86	2,87	7,87	5,24	0,98	0,18				1,97	0,55	lb	9,31
GN PE 1 1/4	32	mm	89,5	43	327	75	14,5	112	86	310	166	32	4,85	PE 1 1/4	M6	F05	50	17	kg	4,751
		inch	3,52	1,69	12,87	2,95	0,57	4,41	3,39	12,20	6,54	1,26	0,19				1,97	0,67	lb	10,47
GN PE 1 1/2	40	mm	106	53	335	85	14	129	106	310	184	40	5,08	PE 1 1/2	M6	F05	50	17	kg	8,306
		inch	4,17	2,09	13,19	3,35	0,55	5,08	4,17	12,20	7,24	1,57	0,20				1,97	0,67	lb	18,31
GN PE2	50	mm	116	59	360	98	13,5	138	118	310	194	50	5,54	PE 2	M6	F05	50	17	kg	11,402
		inch	4,57	2,32	14,17	3,86	0,53	5,43	4,65	12,20	7,64	1,97	0,22				1,97	0,67	lb	25,14

The company reserves the right to operate dimensional changes without prior notice.

(POM SEAL)

GN PE PN

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 50 / Psi 7250	GN2BWT15024A000	GN2BWT15044A000
10	MPa 50 / Psi 7250	GN2BWT25024A000	GN2BWT25044A000
13	MPa 50 / Psi 7250	GN2BWT35024A000	GN2BWT35044A000
20	MPa 42 / Psi 6090	GN2BWT44024A000	GN2BWT44044A000
25	MPa 42 / Psi 6090	GN2BWT53024A000	GN2BWT53044A000
32	MPa 42 / Psi 6090	GN2BWT63024A000	GN2BWT63044A000
40	MPa 42 / Psi 6090	GN2BWT73024A000	GN2BWT73044A000
50	MPa 42 / Psi 6090	GN2BWT83024A000	GN2BWT83044A000

(PEEK SEAL)

GN PE PN

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 41,4 / Psi 6000	GN2BWT15024P000	GN2BWT15044P000
10	MPa 41,4 / Psi 6000	GN2BWT25024P000	GN2BWT25044P000
13	MPa 41,4 / Psi 6000	GN2BWT35024P000	GN2BWT35044P000
20	MPa 41,4 / Psi 6000	GN2BWT44024P000	GN2BWT44044P000
25	MPa 41,4 / Psi 6000	GN2BWT53024P000	GN2BWT53044P000
32	MPa 41,4 / Psi 6000	GN2BWT63024P000	GN2BWT83044P000
40	MPa 41,4 / Psi 6000	GN2BWT73024P000	GN2BWT73044P000
50	MPa 41,4 / Psi 6000	GN2BWT83024P000	GN2BWT83044P000

(POM SEAL)

GN PE S6000

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 50 / Psi 7250	GN2BWTG1024A000	GN2BWTG1044A000
10	MPa 50 / Psi 7250	GN2BWT2G024A000	GN2BWT2G044A000
13	MPa 50 / Psi 7250	GN2BWT3G024A000	GN2BWT3G044A000
20	MPa 42 / Psi 6090	GN2BWT4G024A000	GN2BWT4G044A000
25	MPa 42 / Psi 6090	GN2BWT5G024A000	GN2BWT5G044A000
32	MPa 42 / Psi 6090	GN2BWT6G024A000	GN2BWT6G044A000
40	MPa 42 / Psi 6090	GN2BWT7G024A000	GN2BWT7G044A000
50	MPa 42 / Psi 6090	GN2BWT8G024A000	GN2BWT8G044A000

(PEEK SEAL)

GN PE S6000

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 41,4 / Psi 6000	GN2BWT1G024P000	GN2BWTG1044P000
10	MPa 41,4 / Psi 6000	GN2BWT2G024P000	GN2BWT2G044P000
13	MPa 41,4 / Psi 6000	GN2BW T3G024P000	GN2BWT3G044P000
20	MPa 41,4 / Psi 6000	GN2BWT4G024P000	GN2BWT4G044P000
25	MPa 41,4 / Psi 6000	GN2BW T5G024P000	GN2BWT5G044P000
32	MPa 41,4 / Psi 6000	GN2BWT6G024P000	GN2BWT6G044P000
40	MPa 41,4 / Psi 6000	GN2BWT7G024P000	GN2BWT7G044P000
50	MPa 41,4 / Psi 6000	GN2BWT8G024P000	GN2BWT8G044P000

GM

2-WAY HIGH PRESSURE BALL VALVES

PE and SW extralong ends on request

Edition. 21.2

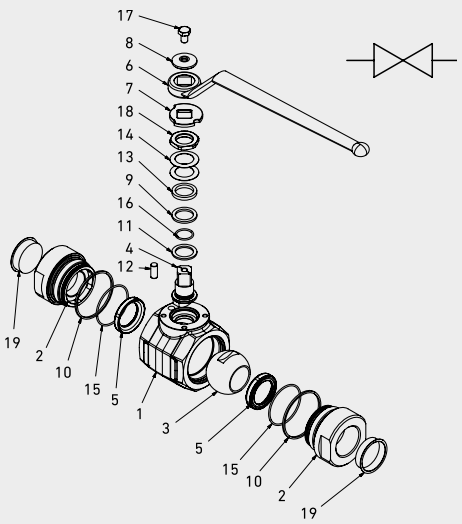
CS Carbon Steel

- Type: ball valve 2way
- Sizes: from DN6 up to DN100
- Ends: BSP-NPT-SW-SWXT -PE BW
- O-Rings: NBR, FKM, EPDM, MVQ
- Pressure: up to PN500 / S3000
- Temp range: -46°C to +250°C (depending on materials selected)

SS Stainless Steel

- Type: ball valve 2way
- Sizes: from DN6 up to DN100
- Ends: BSP-NPT-SW-SWXT -PE BW
- O-Rings: NBR, FKM, EPDM, MVQ
- Pressure: up to PN500 / S3000
- Temp range: -46°C to +250°C (depending on materials selected)

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	ASTM A350 LF2*	ASTM A182 F316
2	Adapter	2	ASTM A350 LF2*	ASTM A182 F316
3	Ball	1	ASTM A479 Tp.316	ASTM A479 Tp.316
4	Stem	1	ASTM A479 Tp.316	ASTM A479 Tp.316
5	Ball Seat	2	POM	POM
6	Handle	1	Fe37	Fe37
7	Washer	1	AISI 316	AISI 316
8	Washer	1	AISI 316	AISI 316
9	Body ring	1	Graphite	Graphite
10	Adapter ring	2	Graphite	Graphite

POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
11	Stem ring	2	PTFE	PTFE
12	Pin	1	AISI 316	AISI 316
13	Press ring	1	AISI 316	AISI 316
14	Spring	2	AISI 316	AISI 316
15	Adapter o-ring	2	NBR	NBR
16	Stem o-ring	1	NBR	NBR
17	Screw	1	ISO4762 A4	ISO4762 A4
18	Nut	1	AISI 316	AISI 316
19	Caps	2	PVC	PVC





CODE DESCRIPTION STRUCTURE

GM	G1 1/2	DN13	A105	F316	POM	B

Type and way of valve

GM 2-way

Ends

GAS DIN/ ISO 228 BSP	NPT ANSI /ASME B1.20.1	SW
G 1/4	N 1/4	SW 1/4
G 3/8	N 3/8	SW 3/8
G 1/2	N 1/2	SW 1/2
G 3/4	N 3/4	SW 3/4
G 1	N 1	SW 1
G 1 1/4	N 1 1/4	SW 1 1/4
G 1 1/2	N 1 1/2	SW 1 1/2
G 2	N 2	SW 2
G 2 1/2	N 2 1/2	SW 2 1/2
G 3	N 3	SW 3
G 4	N 4	SW 4

Sizes

DN6	DN40
DN10	DN50
DN13	DN65
DN20	DN80
DN25	DN100
DN32	

Body and adapter material

● A105*	LF2
● F316	

*A105 from DN65 up to DN100

Stem and ball material

● F316
● F316

Ball seat material

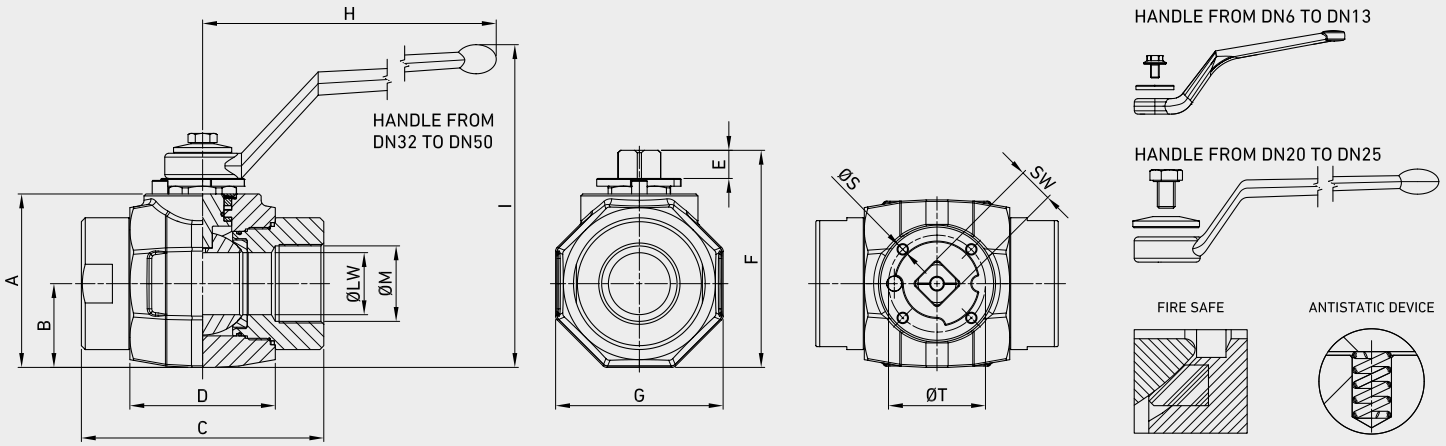
A = POM **D** = PEEK* **C** = PTFE*

Adapter and stem seal material

B = NBR **E** = FKM* **F** = EPDM* **L** = MVQ*

*On request
- Reduced bore
- Special threads
- Pressure class up to PN500 or 3000 Psi
- Locking device
- PE and SW extralong ends

For further special requests please consult our technical/commercial service.



GM DIN/ISO 228 BSP

TYPE	DN		A	B	C	D	E	F	ØG*	H	I	ØM	SW	ØLW	WEIGHT	
GM G 1/4	6	mm	48,5	22	72	44	9,4	65	45	107	108	G 1/4	9	6	kg	0,82
		inch	1,91	0,87	2,83	1,73	0,37	2,56	1,77	4,21	4,25		0,35	0,24	lb	1,81
GM G 3/8	10	mm	48,5	22	73	44	9,4	65	45	107	108	G 3/8	9	10	kg	0,82
		inch	1,91	0,87	2,87	1,73	0,37	2,56	1,77	4,21	4,25		0,35	0,39	lb	1,81
GM G 1/2	13	mm	53	24	81	48	9,4	70	49	107	113	G 1/2	9	13	kg	1,041
		inch	2,09	0,94	3,19	1,89	0,37	2,76	1,93	4,21	4,45		0,35	0,51	lb	2,30
GM G 3/4	20	mm	66	30	98	62	13,4	88	61	200	123	G 3/4	14	20	kg	2,089
		inch	2,60	1,18	3,86	2,44	0,53	3,46	2,40	7,87	4,84		0,55	0,79	lb	4,61
GM G 1	25	mm	98	36	106	66	13,4	98	73	200	123	G 1	14	25	kg	2,822
		inch	3,86	1,42	4,17	2,60	0,53	3,86	2,87	7,87	4,84		0,55	0,98	lb	6,22
GM G 1 1/4	32	mm	89,5	43	127	75	14,5	112	86	310	166	G 1 1/4	17	32	kg	4,508
		inch	3,52	1,69	5,00	2,95	0,57	4,41	3,39	12,20	6,54		0,67	1,26	lb	9,94
GM G 1 1/2	40	mm	106	53	135	85	14	129	106	310	184	G 1 1/2	17	40	kg	6,89
		inch	4,17	2,09	5,31	3,35	0,55	5,08	4,17	12,20	7,24		0,67	1,57	lb	15,19
GM G 2	50	mm	116	59	160	98	13,5	138	118	310	194	G 2	17	50	kg	9,628
		inch	4,57	2,32	6,30	3,86	0,53	5,43	4,65	12,20	7,64		0,67	1,97	lb	21,23
GM G 2 1/2	65	mm	140	70	174	105	23,5	176,5	150	600	226	G 2 1/2	19	65	kg	17,506
		inch	5,51	2,76	6,85	4,13	0,93	6,95	5,91	23,62	8,90		0,75	2,56	lb	38,59
GM G 3	80	mm	155	77,5	191,5	114	23,5	191	167	600	241	G 3	19	80	kg	22,896
		inch	6,10	3,05	7,54	4,49	0,93	7,52	6,57	23,62	9,49		0,75	3,15	lb	50,48
GM G 4	100	mm	188	94	230	148	31	231,5	200	600	278,5	G 4	24	100	kg	36,999
		inch	7,40	3,70	9,06	5,83	1,22	9,11	7,87	23,62	10,96		0,94	3,94	lb	81,57

* This quote is a diameter for DN65-DN80-DN100. For all other sizes it is a polygon (8 or 12 sides)

The company reserves the right to operate dimensional changes without prior notice.

(POM SEAL) GM DIN/ISO 228 PN

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	50	GM2GGT15024A000	GM2GGT15044A000
	Psi	7250		
10	MPa	50	GM2GGT25024A000	GM2GGT25044A000
	Psi	7250		
13	MPa	50	GM2GGT35024A000	GM2GGT35044A000
	Psi	7250		
20	MPa	42	GM2GGT44024A000	GM2GGT44044A000
	Psi	6090		
25	MPa	42	GM2GGT53024A000	GM2GGT53044A000
	Psi	6090		
32	MPa	42	GM2GGT63024A000	GM2GGT63044A000
	Psi	6090		
40	MPa	42	GM2GGT73024A000	GM2GGT73044A000
	Psi	6090		
50	MPa	42	GM2GGT83024A000	GM2GGT83044A000
	Psi	6090		
65	MPa	15	GM2GGT9C024A000	GM2GGT9C044A000
	Psi	2175		
80	MPa	10	GM2GGTA1024A000	GM2GGTA1044A000
	Psi	1450		
100	MPa	5	GM2GGTBI024A000	GM2GGTBI044A000
	Psi	725		

(PEEK SEAL) GM DIN/ISO 228 PN

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	50	GM2GGT15024P000	GM2GGT15044P000
	Psi	7250		
10	MPa	50	GM2GGT25024P000	GM2GGT25044P000
	Psi	7250		
13	MPa	50	GM2GGT35024P000	GM2GGT35044P000
	Psi	7250		
20	MPa	42	GM2GGT44024P000	GM2GGT44044P000
	Psi	6090		
25	MPa	42	GM2GGT53024P000	GM2GGT53044P000
	Psi	6090		
32	MPa	42	GM2GGT63024P000	GM2GGT63044P000
	Psi	6090		
40	MPa	42	GM2GG173024P000	GM2GGT73044P000
	Psi	6090		
50	MPa	42	GM2GGT83024P000	GM2GGT83044P000
	Psi	6090		
65	MPa	15	GM2GGT9C024P000	GM2GGT9C044P000
	Psi	2175		
80	MPa	10	GM2GGTA1024P000	GM2GGTA1044P000
	Psi	1450		
100	MPa	5	GM2GGTBI024P000	GM2GGTBI044P000
	Psi	725		

(PTFE SEAL) GM DIN/ISO 228 S800

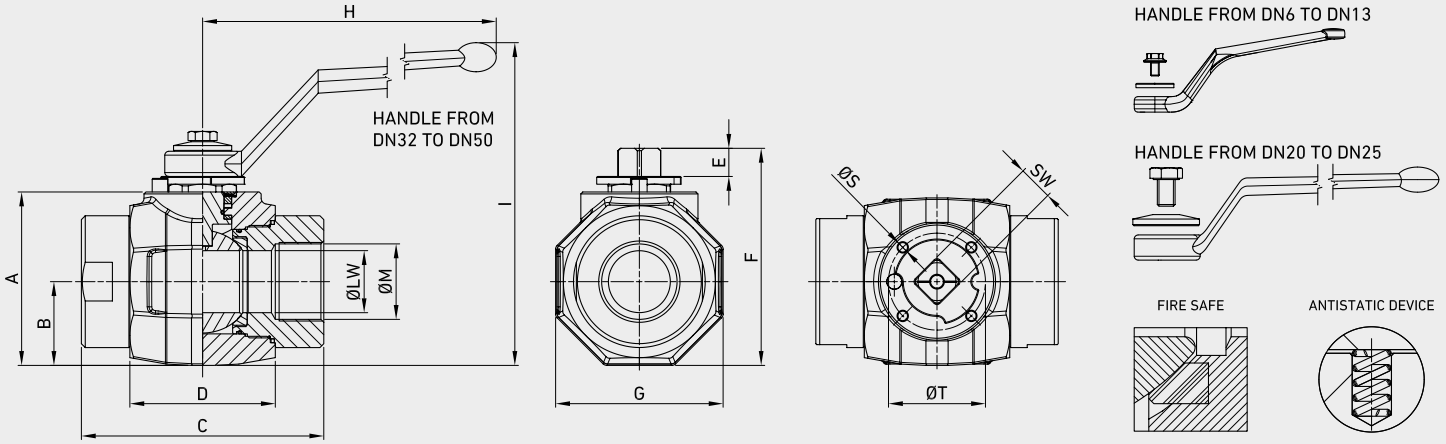
DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	13	GM2GGT1A024F000	GM2GGT1A044F000
	Psi	1885		
10	MPa	13	GM2GGT2A024F000	GM2GGT2A044F000
	Psi	1885		
13	MPa	13	GM2GGT3A024F000	GM2GGT3A044F000
	Psi	1885		
20	MPa	13	GM2GGT4A024F000	GM2GGT4A044F000
	Psi	1885		
25	MPa	13	GM2GGT5A024F000	GM2GGT5A044F000
	Psi	1885		
32	MPa	10	GM2GGT6A024F000	GM2GGT6A044F000
	Psi	1450		
40	MPa	10	GM2GG17A024F000	GM2GG17A044F000
	Psi	1450		
50	MPa	10	GM2GGT8A024F000	GM2GGT8A044F000
	Psi	1450		
65	MPa	10	GM2GGT9A024F000	GM2GGT9A044F000
	Psi	1450		
80	MPa	10	GM2GGTAA024F000	GM2GGTAA044F000
	Psi	1450		
100	MPa	5	GM2GGTBA024F000	GM2GGTBA044F000
	Psi	725		

(POM SEAL) GM DIN/ISO 228 S3000

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	20,7	GM2GGT1F024A000	GM2GGT1F044A000
	Psi	3000		
10	MPa	20,7	GM2GGT2F024A000	GM2GGT2F044A000
	Psi	3000		
13	MPa	20,7	GM2GGT3F024A000	GM2GGT3F044A000
	Psi	3000		
20	MPa	20,7	GM2GGT4F024A000	GM2GGT4F044A000
	Psi	3000		
25	MPa	20,7	GM2GGT5F024A000	GM2GGT5F044A000
	Psi	3000		
32	MPa	20,7	GM2GGT6F024A000	GM2GGT6F044A000
	Psi	3000		
40	MPa	20,7	GM2GG17F024A000	GM2GG17F044A000
	Psi	3000		
50	MPa	20,7	GM2GGT8F024A000	GM2GGTBF044A000
	Psi	3000		
65	MPa	15	GM2GGT9F024A000	GM2GGT9F044A000
	Psi	3000		
80	MPa	10	GM2GGTAF024A000	GM2GGTAF044A000
	Psi	3000		
100	MPa	5	GM2GGTBF024A000	GM2GGTBF044A000
	Psi	3000		

(PEEK SEAL) GM DIN/ISO 228 S3000

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	20,7	GM2GGT1F024P000	GM2GGT1F044P000
	Psi	3000		
10	MPa	20,7	GM2GGT2F024P000	GM2GGT2F044P000
	Psi	3000		
13	MPa	20,7	GM2GGT3F024P000	GM2GGT3F044P000
	Psi	3000		
20	MPa	20,7	GM2GGT4F024P000	GM2GGT4F044P000
	Psi	3000		
25	MPa	20,7	GM2GGT5F024P000	GM2GGT5F044P000
	Psi	3000		
32	MPa	20,7	GM2GGT6F024P000	GM2GGT6F044P000
	Psi	3000		
40	MPa	20,7	GM2GG17F024P000	GM2GGT7F044P000
	Psi	3000		
50	MPa	20,7	GM2GGT8F024P000	GM2GGT8F044P000
	Psi	3000		
65	MPa	15	GM2GGT9F024P000	GM2GGT9F044P000
	Psi	3000		
80	MPa	10	GM2GGTAF024P000	GM2GGTAF044P000
	Psi	3000		
100	MPa	5	GM2GGTBF024P000	GM2GGTBF044P000
	Psi	3000		



GM ANSI/ASME B1.20.1 NPT

TYPE	DN		A	B	C	D	E	F	ØG*	H	I	ØM	SW	ØLW	WEIGHT	
GM N 1/4	6	mm	48,5	22	72	44	9,4	65	45	107	108	N 1/4	9	6	kg	0,82
		inch	1,91	0,87	2,83	1,73	0,37	2,56	1,77	4,21	4,25		0,35	0,24	lb	1,81
GM N 3/8	10	mm	48,5	22	73	44	9,4	65	45	107	105	N 3/8	9	10	kg	0,82
		inch	1,91	0,87	2,87	1,73	0,37	2,56	1,77	4,21	4,13		0,35	0,39	lb	1,81
GM N 1/2	13	mm	53	24	81	48	9,4	70	49	107	113	N 1/2	9	13	kg	1,041
		inch	2,09	0,94	3,19	1,89	0,37	2,76	1,93	4,21	4,45		0,35	0,51	lb	2,30
GM N 3/4	20	mm	66	30	98	62	13,4	88	61	200	123	N 3/4	14	20	kg	2,089
		inch	2,60	1,18	3,86	2,44	0,53	3,46	2,40	7,87	4,84		0,55	0,79	lb	4,61
GM N 1	25	mm	98	36	106	66	13,4	98	73	200	123	N 1	14	25	kg	2,822
		inch	3,86	1,42	4,17	2,60	0,53	3,86	2,87	7,87	4,84		0,55	0,98	lb	6,22
GM N 1 1/4	32	mm	89,5	43	127	75	14,5	112	86	310	166	N 1 1/14	17	32	kg	4,508
		inch	3,52	1,69	5,00	2,95	0,57	4,41	3,39	12,20	6,54		0,67	1,26	lb	9,94
GM N 1 1/2	40	mm	106	53	135	85	14	129	106	310	184	N 1 1/2	17	40	kg	6,89
		inch	4,17	2,09	5,31	3,35	0,55	5,08	4,17	12,20	7,24		0,67	1,57	lb	15,19
GM N 2	50	mm	116	59	160	98	13,5	138	118	310	194	N 2	17	50	kg	9,628
		inch	4,57	2,32	6,30	3,86	0,53	5,43	4,65	12,20	7,64		0,67	1,97	lb	21,23
GM N 2 1/2	65	mm	140	70	174	105	23,5	176,5	150	600	226	N 2 1/2	19	65	kg	17,506
		inch	5,51	2,76	6,85	4,13	0,93	6,95	5,91	23,62	8,90		0,75	2,56	lb	38,59
GM N 3	80	mm	155	77,5	191,5	114	23,5	191	167	600	241	N 3	19	80	kg	22,896
		inch	6,10	3,05	7,54	4,49	0,93	7,52	6,57	23,62	9,49		0,75	3,15	lb	50,48
GM N 4	100	mm	188	94	230	148	31	231,5	200	600	278,5	N 4	24	100	kg	36,999
		inch	7,40	3,70	9,06	5,83	1,22	9,11	7,87	23,62	10,96		0,94	3,94	lb	81,57

* This quote is a diameter for DN65-DN80-DN100. For all other sizes it is a polygon (8 or 12 sides)

(POM SEAL) GM ANSI/ASME B1.20.1 NPT PN

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	50	GM2NNT15024A000	GM2NNT15044A000
	Psi	7250		
10	MPa	50	GM2NNT25024A000	GM2NNT25044A000
	Psi	7250		
13	MPa	50	GM2NNT35024A000	GM2NNT35044A000
	Psi	7250		
20	MPa	42	GM2NNT44024A000	GM2NNT44044A000
	Psi	6090		
25	MPa	42	GM2NNT53024A000	GM2NNT53044A000
	Psi	6090		
32	MPa	42	GM2NNT63024A000	GM2NNT63044A000
	Psi	6090		
40	MPa	42	GM2NN173024A000	GM2NN173044A000
	Psi	6090		
50	MPa	42	GM2NNT83024A000	GM2NNT83044A000
	Psi	6090		
65	MPa	15	GM2NNT9C024A000	GM2NNT9C044A000
	Psi	2175		
80	MPa	10	GM2NNTA1024A000	GM2NNTA1044A000
	Psi	1450		
100	MPa	5	GM2NNTBI024A000	GM2NNTBI044A000
	Psi	725		

(PEEK SEAL) GM ANSI/ASME B1.20.1 NPT PN

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	50	GM2NNT15024P000	GM2NNT15044P000
	Psi	7250		
10	MPa	50	GM2NNT25024P000	GM2NNT25044P000
	Psi	7250		
13	MPa	50	GM2NNT35024P000	GM2NNT35044P000
	Psi	7250		
20	MPa	42	GM2NNT44024P000	GM2NNT44044P000
	Psi	6090		
25	MPa	42	GM2NNT53024P000	GM2NNT53044P000
	Psi	6090		
32	MPa	42	GM2NNT63024P000	GM2NNT63044P000
	Psi	6090		
40	MPa	42	GM2NN173024P000	GM2NN173044P000
	Psi	6090		
50	MPa	42	GM2NNT83024P000	GM2NNT83044P000
	Psi	6090		
65	MPa	15	GM2NNT9C024P000	GM2NNT9C044P000
	Psi	2175		
80	MPa	10	GM2NNTA1024P000	GM2NNTA1044P000
	Psi	1450		
100	MPa	5	GM2NNTBI024P000	GM2NNTBI044P000
	Psi	725		

(PTFE SEAL) GM ANSI/ASME B1.20.1 NPT S800

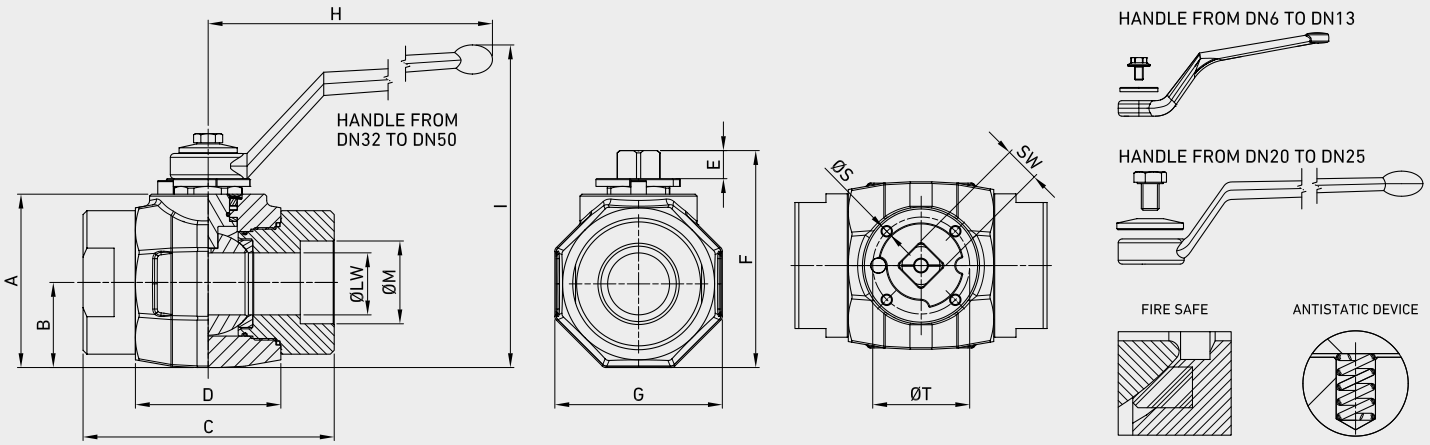
DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	13	GM2NNT1A024F000	GM2NNT1A044F000
	Psi	1885		
10	MPa	13	GM2NNT2A024F000	GM2NNT2A044F000
	Psi	1885		
13	MPa	13	GM2NNT3A024F000	GM2NNT3A044F000
	Psi	1885		
20	MPa	13	GM2NNT4A024F000	GM2NNT4A044F000
	Psi	1885		
25	MPa	13	GM2NNT5A024F000	GM2NNT5A044F000
	Psi	1885		
32	MPa	10	GM2NNT6A024F000	GM2NNT6A044F000
	Psi	1450		
40	MPa	10	GM2NN17A024F000	GM2NN17A044F000
	Psi	1450		
50	MPa	10	GM2NNTBA024F000	GM2NNTBA044F000
	Psi	1450		
65	MPa	10	GM2NNT9A024F000	GM2NNT9A044F000
	Psi	1450		
80	MPa	10	GM2NNTAA024F000	GM2NNTAA044F000
	Psi	1450		
100	MPa	5	GM2NNTBA024F000	GM2NNTBA044F000
	Psi	725		

(POM SEAL) GM ANSI/ASME B1.20.1 NPT S3000

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	20,7	GM2NNT1F024A000	GM2NNT1F044A000
	Psi	3000		
10	MPa	20,7	GM2NNT2F024A000	GM2NNT2F044A000
	Psi	3000		
13	MPa	20,7	GM2NNT3F024A000	GM2NNT3F044A000
	Psi	3000		
20	MPa	20,7	GM2NNT4F024A000	GM2NNT4F044A000
	Psi	3000		
25	MPa	20,7	GM2NNT5F024A000	GM2NNT5F044A000
	Psi	3000		
32	MPa	20,7	GM2NNT6F024A000	GM2NNT6F044A000
	Psi	3000		
40	MPa	20,7	GM2NN17F024A000	GM2NN17F044A000
	Psi	3000		
50	MPa	20,7	GM2NNT8F024A000	GM2NNT8F044A000
	Psi	3000		
65	MPa	15	GM2NNT9F024A000	GM2NNT9F044A000
	Psi	2175		
80	MPa	10	GM2NNTAF024A000	GM2NNTAF044A000
	Psi	1450		
100	MPa	5	GM2NNTBF024A000	GM2NNTBF044A000
	Psi	725		

(PEEK SEAL) GM ANSI/ASME B1.20.1 NPT S3000

DN	PN		CS Carbon Steel	SS Stainless Steel
			ITEM CODE	
6	MPa	20,7	GM2NNT1F024P000	GM2NNT1F044P000
	Psi	3000		
10	MPa	20,7	GM2NNT2F024P000	GM2NNT2F044P000
	Psi	3000		
13	MPa	20,7	GM2NNT3F024P000	GM2NNT3F044P000
	Psi	3000		
20	MPa	20,7	GM2NNT4F024P000	GM2NNT4F044P000
	Psi	3000		
25	MPa	20,7	GM2NNT5F024P000	GM2NNT5F044P000
	Psi	3000		
32	MPa	20,7	GM2NNT6F024P000	GM2NNT6F044P000
	Psi	3000		
40	MPa	20,7	GM2NN17F024P000	GM2NN17F044P000
	Psi	3000		
50	MPa	20,7	GM2NNT8F024P000	GM2NNT8F044P000
	Psi	3000		
65	MPa	15	GM2NNT9F024P000	GM2NNT9F044P000
	Psi	3000		
80	MPa	10	GM2NNTAF024P000	GM2NNTAF044P000
	Psi	3000		
100	MPa	5	GM2NNTBF024P000	GM2NNTBF044P000
	Psi	3000		



GM SW

TYPE	DN		A	B	C	D	E	F	ØG*	H	I	ØM	SW	ØLW	WEIGHT	
GM SW 1/4	6	mm	48,5	22	72	44	9,4	65	45	107	108	SW 1/4	9	6	kg	0,82
		inch	1,91	0,87	2,83	1,73	0,37	2,56	1,77	4,21	4,25		0,35	0,24	lb	1,81
GM SW 3/8	10	mm	48,5	22	73	44	9,4	65	45	107	105	SW 3/8	9	10	kg	0,82
		inch	1,91	0,87	2,87	1,73	0,37	2,56	1,77	4,21	4,13		0,35	0,39	lb	1,81
GM SW 1/2	13	mm	53	24	81	48	9,4	70	49	107	113	SW 1/2	9	13	kg	1,041
		inch	2,09	0,94	3,19	1,89	0,37	2,76	1,93	4,21	4,45		0,35	0,51	lb	2,30
GM SW 3/4	20	mm	66	30	98	62	13,4	88	61	200	123	SW 3/4	14	20	kg	2,089
		inch	2,60	1,18	3,86	2,44	0,53	3,46	2,40	7,87	4,84		0,55	0,79	lb	4,61
GMSW 1	25	mm	98	36	106	66	13,4	98	73	200	123	SW 1	14	25	kg	2,822
		inch	3,86	1,42	4,17	2,60	0,53	3,86	2,87	7,87	4,84		0,55	0,98	lb	6,22
GM SW 1 1/4	32	mm	89,5	43	127	75	14,5	112	86	310	166	SW 1 1/14	17	32	kg	4,508
		inch	3,52	1,69	5,00	2,95	0,57	4,41	3,39	12,20	6,54		0,67	1,26	lb	9,94
GM SW 1 1/2	40	mm	106	53	135	85	14	129	106	310	184	SW 1 1/2	17	40	kg	6,89
		inch	4,17	2,09	5,31	3,35	0,55	5,08	4,17	12,20	7,24		0,67	1,57	lb	15,19
GM SW 2	50	mm	116	59	160	98	13,5	138	118	310	194	SW 2	17	50	kg	9,628
		inch	4,57	2,32	6,30	3,86	0,53	5,43	4,65	12,20	7,64		0,67	1,97	lb	21,23
GM SW 2 1/2	65	mm	140	70	174	105	23,5	176,5	150	600	226	SW 2 1/2	19	65	kg	17,506
		inch	5,51	2,76	6,85	4,13	0,93	6,95	5,91	23,62	8,90		0,75	2,56	lb	38,59
GM SW 3	80	mm	155	77,5	191,5	114	23,5	191	167	600	241	SW 3	19	80	kg	22,896
		inch	6,10	3,05	7,54	4,49	0,93	7,52	6,57	23,62	9,49		0,75	3,15	lb	50,48
GM SW 4	100	mm	188	94	230	148	31	231,5	200	600	278,5	SW 4	24	100	kg	36,999
		inch	7,40	3,70	9,06	5,83	1,22	9,11	7,87	23,62	10,96		0,94	3,94	lb	81,57

* This quote is a diameter for DN65-DN80-DN100. For all other sizes it is a polygon (8 or 12 sides)

(POM SEAL) GM SW PN

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 50 / Psi 7250	GM2TTT15024A000	GM2TTT15044A000
10	MPa 50 / Psi 7250	GM2TTT25024A000	GM2TTT25044A000
13	MPa 50 / Psi 7250	GM2TTT35024A000	GM2TTT35044A000
20	MPa 42 / Psi 6090	GM2TTT44024A000	GM2TTT44044A000
25	MPa 42 / Psi 6090	GM2TTT53024A000	GM2TTT53044A000
32	MPa 42 / Psi 6090	GM2TTT63024A000	GM2TTT63044A000
40	MPa 42 / Psi 6090	GM2TTT73024A000	GM2TTT73044A000
50	MPa 42 / Psi 6090	GM2TTT83024A000	GM2TTT83044A000
65	MPa 15 / Psi 2175	GM2TTT9C024A000	GM2TTT9C044A000
80	MPa 10 / Psi 1450	GM2TTTA1024A000	GM2TTTA1044A000
100	MPa 5 / Psi 725	GM2TTTBI024A000	GM2TTTBI044A000

(PEEK SEAL) GM SW PN

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 50 / Psi 7250	GM2TTT15024P000	GM2TTT15044P000
10	MPa 50 / Psi 7250	GM2TTT25024P000	GM2TTT25044P000
13	MPa 50 / Psi 7250	GM2TTT35024P000	GM2TTT35044P000
20	MPa 42 / Psi 6090	GM2TTT44024P000	GM2TTT44044P000
25	MPa 42 / Psi 6090	GM2TTT53024P000	GM2TTT53044P000
32	MPa 42 / Psi 6090	GM2TTT63024P000	GM2TTT63044P000
40	MPa 42 / Psi 6090	GM2TTT73024P000	GM2TTT73044P000
50	MPa 42 / Psi 6090	GM2TTT83024P000	GM2TTT83044P000
65	MPa 15 / Psi 2175	GM2TTT9C024P000	GM2TTT9C044P000
80	MPa 10 / Psi 1450	GM2TTTA1024P000	GM2TTTA1044P000
100	MPa 5 / Psi 725	GM2TTTBI024P000	GM2TTTBI044P000

(PTFE SEAL) GM SW S800

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 13 / Psi 1885	GM2TTT1A024F000	GM2TTT1A044F000
10	MPa 13 / Psi 1885	GM2TTT2A024F000	GM2TTT2A044F000
13	MPa 13 / Psi 1885	GM2TTT3A024F000	GM2TTT3A044F000
20	MPa 13 / Psi 1885	GM2TTT4A024F000	GM2TTT4A044F000
25	MPa 13 / Psi 1885	GM2TTT5A024F000	GM2TTT5A044F000
32	MPa 13 / Psi 1885	GM2TTT6A024F000	GM2TTT6A044F000
40	MPa 13 / Psi 1885	GM2TTT7A024F000	GM2TTT7A044F000
50	MPa 13 / Psi 1885	GM2TTT8A024F000	GM2TTT8A044F000

(POM SEAL) GM SW S3000

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 20,7 / Psi 3000	GM2TTT1F024A000	GM2TTT1F044A000
10	MPa 20,7 / Psi 3000	GM2TTT2F024A000	GM2TTT2F044A000
13	MPa 20,7 / Psi 3000	GM2TTT3F024A000	GM2TTT3F044A000
20	MPa 20,7 / Psi 3000	GM2TTT4F024A000	GM2TTT4F044A000
25	MPa 20,7 / Psi 3000	GM2TTT5F024A000	GM2TTT5F044A000
32	MPa 20,7 / Psi 3000	GM2TTT6F024A000	GM2TTT6F044A000
40	MPa 20,7 / Psi 3000	GM2TTT7F024A000	GM2TTT7F044A000
50	MPa 20,7 / Psi 3000	GM2TTT8F024A000	GM2TTT8F044A000
65	MPa 15 / Psi 3000	GM2TTT9F024A000	GM2TTT9F044A000
80	MPa 10 / Psi 3000	GM2TTTAF024A000	GM2TTTAF044A000
100	MPa 5 / Psi 3000	GM2TTTBF024A000	GM2TTTBF044A000

(PEEK SEAL) GM SW S3000

DN	PN	CS Carbon Steel	SS Stainless Steel
		ITEM CODE	
6	MPa 20,7 / Psi 3000	GM2TTT1F024P000	GM2TTT1F044P000
10	MPa 20,7 / Psi 3000	GM2TTT2F024P000	GM2TTT2F044P000
13	MPa 20,7 / Psi 3000	GM2TTT3F024P000	GM2TTT3F044P000
20	MPa 20,7 / Psi 3000	GM2TTT4F024P000	GM2TTT4F044P000
25	MPa 20,7 / Psi 3000	GM2TTT5F024P000	GM2TTT5F044P000
32	MPa 20,7 / Psi 3000	GM2TTT6F024P000	GM2TTT6F044P000
40	MPa 20,7 / Psi 3000	GM2TTT7F024P000	GM2TTT7F044P000
50	MPa 20,7 / Psi 3000	GM2TTT8F024P000	GM2TTT8F044P000
65	MPa 15 / Psi 3000	GM2TTT9F024P000	GM2TTT9F044P000
80	MPa 10 / Psi 3000	GM2TTTAF024P000	GM2TTTAF044P000
100	MPa 5 / Psi 3000	GM2TTTBF024P000	GM2TTTBF044P000

SBF-W

WAFER TYPE BALL VALVES

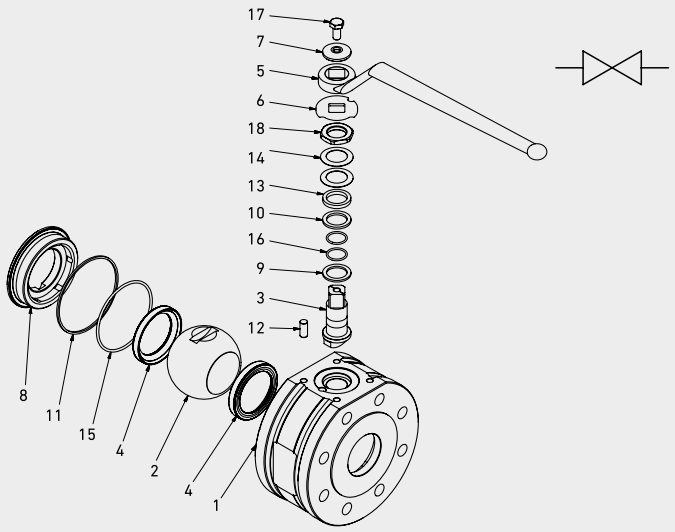
Edition. 21.0

CS Carbon Steel

SS Stainless Steel

- **CS, SS, DSS, ALLOY (Forged)**
- Type: ball valve Split Body Floating-Wafer type
- Sizes: from DN13 up to DN150
- Pressure: ANSI150-600
- Temperature: from -50° up to +200° (depending on materials selected)'

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	ASTM A350 LF2	ASTM A479 Tp.316
2	Ball	1	ASTM A479 Tp.316	ASTM A479 Tp.316
3	Stem	1	ASTM A479 Tp.316	ASTM A479 Tp.316
4	Ball seat	2	RPTFE	RPTFE
5	Handle	1	Fe37	Fe37
6	Washer	1	AISI 316	AISI 316
7	Washer	1	AISI 316	AISI 316
8	Adapter	1	ASTM A350 LF2	ASTM A479 Tp.316
9	Stem ring	1	PTFE	PTFE
10	Up ring	1	Graphite	Graphite
11	Flange ring	1	Graphite	Graphite
12	Pin	1	AISI 316	AISI 316
13	Press ring	1	AISI 316	AISI 316
14	Spring	2	AISI 316	AISI 316
15	Ring nut o-ring	1	FKM	FKM
16	Stem o-ring	1	FKM	FKM
17	Screw	1	ISO4017 A4	ISO4017 A4
18	Nut	1	AISI 316	AISI 316





CODE DESCRIPTION STRUCTURE

SBF-W	A150	DN13	LF2	F316	RPTFE	FKM

Type and way of valve
SBF-W 2-way

Ends

ASME B16.5

ANSI150
ANSI300
ANSI600

Sizes
from DN13 to DN150

Body and adapter material
- **LF2**
- **F316**

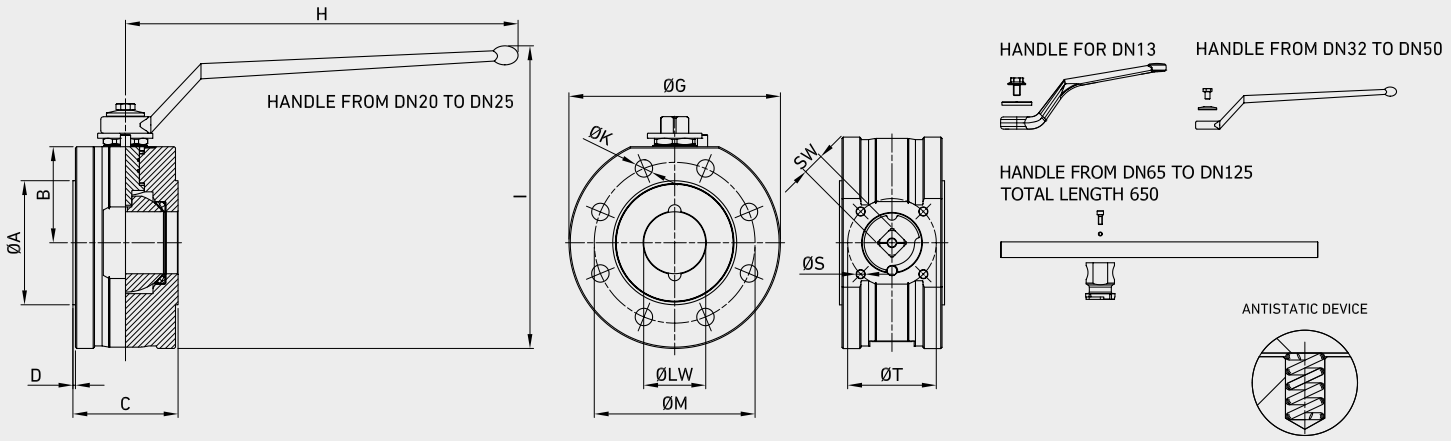
Stem and ball material
- **F316**
- **F316**

Ball seat material
PTFE PEEK* POM* DEVLON*

Adapter and stem seal material
FKM NBR* EPDM* MVQ*

*On request
- Reduced bore
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/commercial service.



SBF-W ANSI 150 FB

TYPE	PN		ØE LINEA	ØA	B	C	D	H	I	ØM	Ø G	ØK	n°ØK	Ø T	Ø S	ISO 5211	SW	Ø LW	WEIGHT	Carbon Steel (CS) ITEM CODE	Stainless Steel (SS) ITEM CODE
1/2"	MPa	2	mm	90	46	33	36	1,6	110	137	60,3	94	M12	4	36	M5	F03	9	13	kg	1,5	G514404A1505BAA	G514404A2305BAA
	Psi	290	inch	3,54	1,81	1,30	1,42	0,06	4,33	5,39	2,37	3,70		0,16	1,42			0,35	0,51	lb	3,31		
3/4"	MPa	2	mm	100	57	39	48	1,6	200	143	69,9	98	M12	4	36	M5	F03	14	20	kg	2,5	G514405A1505BAA	G514405A2305BAA
	Psi	290	inch	3,94	2,24	1,54	1,89	0,06	7,87	5,63	2,75	3,86		0,16	1,42			0,55	0,79	lb	5,51		
1"	MPa	2	mm	110	64	41,5	48	1,6	200	149	79,4	104	M12	4	50	M6	F05	14	25	kg	4	G514406A1505BAA	G514406A2305BAA
	Psi	290	inch	4,33	2,52	1,63	1,89	0,06	7,87	5,87	3,13	4,09		0,16	1,97			0,55	0,98	lb	8,82		
1-1/4"	MPa	2	mm	115	69	48	53	2	310	183	88,9	118	M12	4	50	M6	F05	17	32	kg	5,2	G514407A1505BAA	G514407A2305BAA
	Psi	290	inch	4,53	2,72	1,89	2,09	0,08	12,20	7,20	3,50	4,65		0,16	1,97			0,67	1,26	lb	11,46		
1-1/2"	MPa	2	mm	125	85	52,5	63	2	310	200	98,4	135	M12	4	70	M8	F07	17	40	kg	7,3	G514408A1505BAA	G514408A2305BAA
	Psi	290	inch	4,92	3,35	2,07	2,48	0,08	12,20	7,87	3,87	5,31		0,16	2,76			0,67	1,57	lb	16,09		
2"	MPa	2	mm	150	98	56	83	2	310	209	120,7	147	M16	4	70	M8	F07	17	49	kg	11,8	G514410A1505BAA	G514410A2305BAA
	Psi	290	inch	5,91	3,86	2,20	3,27	0,08	12,20	8,23	4,75	5,79		0,16	2,76			0,67	1,93	lb	26,01		
2-1/2"	MPa	2	mm	180	122	80	107	2	450	176	139,7	185	M16	4	70	M8	F07	19	63	kg	17,6	G514412A1505BAA	G514412A2305BAA
	Psi	290	inch	7,09	4,80	3,15	4,21	0,08	17,72	6,93	5,50	7,28		0,16	2,76			0,75	2,48	lb	38,80		
3"	MPa	2	mm	190	135	82,5	120	2	450	245	152,4	187	M16	4	70	M8	F07	19	74	kg	25	G514414A1505BAA	G514414A2305BAA
	Psi	290	inch	7,48	5,31	3,25	4,72	0,08	17,72	9,65	6,00	7,36		0,16	2,76			0,75	2,91	lb	55,12		
4"	MPa	2	mm	230	173	113	152	2	450	327	190,5	246	M16	8	102	M10	F10	24	95	kg	38	G514418A1505BAA	G514418A2305BAA
	Psi	290	inch	9,06	6,81	4,45	5,98	0,08	17,72	12,87	7,50	9,69		0,31	4,02			0,94	3,74	lb	83,78		
6"	MPa	2	mm	280	216	156	255	2	-	234,5	241,3	330	M20	8	165	22	F10	Ø 50*	150	kg	132	G514422A1505BAA	G514422A2305BAA
	Psi	290	inch	11,02	8,50	6,14	10,04	0,08	-	9,23	9,50	12,99		0,31	6,50	0,87		Ø 1,97*	5,91	lb	291,01		

*stem with key

SBF-W ANSI 300 FB

TYPE	PN		ØE LINEA	ØA	B	C	D	H	I	ØM	Ø G	ØK	n°ØK	Ø T	Ø S	ISO 5211	SW	Ø LW	WEIGHT	CS Carbon Steel	SS Stainless Steel
																				ITEM CODE	
1/2"	MPa	5	mm	95	46	33	36	1,6	110	137	66,7	94	M12	4	36	M5	F03	9	13	kg 1,5	G514404A1505DAA	G514404A2305DAA
	Psi	725	inch	3,74	1,81	1,30	1,42	0,06	4,33	5,39	2,63	3,70		0,16	1,42			0,35	0,51	lb 3,31		
3/4"	MPa	5	mm	115	57	39	48	1,6	200	150	82,6	112	M16	4	50	M6	F05	14	20	kg 2,5	G514405A1505DAA	G514405A2305DAA
	Psi	725	inch	4,53	2,24	1,54	1,89	0,06	7,87	5,91	3,25	4,41		0,16	1,97			0,55	0,79	lb 5,51		
1"	MPa	5	mm	125	64	41,5	48	1,6	200	154	88,9	114	M16	4	50	M6	F05	14	25	kg 4,6	G514406A1505DAA	G514406A2305DAA
	Psi	725	inch	4,92	2,52	1,63	1,89	0,06	7,87	6,06	3,50	4,49		0,16	1,97			0,55	0,98	lb 10,14		
1-1/4"	MPa	5	mm	135	69	49	53	2	310	186	98,4	123	M16	4	50	M6	F05	17	32	kg 5,2	G514407A1505DAA	G514407A2305DAA
	Psi	725	inch	5,31	2,72	1,93	2,09	0,08	12,20	7,32	3,87	4,84		0,16	1,97			0,67	1,26	lb 11,46		
1-1/2"	MPa	5	mm	155	85	55	63	2	310	206	114,3	146	M20	4	70	M8	F07	17	40	kg 7,3	G514408A1505DAA	G514408A2305DAA
	Psi	725	inch	6,10	3,35	2,17	2,48	0,08	12,20	8,11	4,50	5,75		0,16	2,76			0,67	1,57	lb 16,09		
2"	MPa	5	mm	165	98	75,8	83	2	310	239	127	167	M16	8	70	M8	F07	17	49	kg 15	G514410A1505DAA	G514410A2305DAA
	Psi	725	inch	6,50	3,86	2,98	3,27	0,08	12,20	9,41	5,00	6,57		0,31	2,76			0,67	1,93	lb 33,07		
2-1/2"	MPa	5	mm	190	122	85	125	2	450	176	149,2	190	M20	8	70	M8	F07	19	63	kg 21	G514412A1505DAA	G514412A2305DAA
	Psi	725	inch	7,48	4,80	3,35	4,92	0,08	17,72	6,93	5,87	7,48		0,31	2,76			0,75	2,48	lb 46,30		
3"	MPa	5	mm	210	142	94	120	2	450	268	168,3	207	M20	8	70	M8	F07	19	74	kg 35	G514414A1505DAA	G514414A2305DAA
	Psi	725	inch	8,27	5,59	3,70	4,72	0,08	17,72	10,55	6,63	8,15		0,31	2,76			0,75	2,91	lb 77,16		
4"	MPa	5	mm	255	173	113	152	2	450	327	200	246	M20	8	102	M10	F10	24	95	kg 58	G514418A1505DAA	G514418A2305DAA
	Psi	725	inch	10,04	6,81	4,45	5,98	0,08	17,72	12,87	7,87	9,69		0,31	4,02			0,94	3,74	lb 127,87		
6"	MPa	5	mm	320	216	156	255	2	-	234,5	269,9	330	M20	12	165	22	F10	Ø 50*	150	kg 132	G514422A1505DAA	G514422A2305DAA
	Psi	725	inch	12,60	8,50	6,14	10,04	0,08	-	9,23	10,63	12,99		0,47	6,50	0,87		Ø 1,97*	5,91	lb 291,01		

*stem with key

SBF-W ANSI 600 FB

TYPE	PN		ØE LINEA	ØA	B	C	D	H	I	ØM	Ø G	ØK	n°ØK	Ø T	Ø S	ISO 5211	SW	Ø LW	WEIGHT	CS Carbon Steel	SS Stainless Steel
																				ITEM CODE	
1/2"	MPa	10	mm	95	46	33	55	1,6	110	137	66,7	94	M12	4	36	M5	F03	9	13	kg 3	G514404A1505FAA	G514404A2305FAA
	Psi	1450	inch	3,74	1,81	1,30	2,17	0,06	4,33	5,39	2,63	3,70		0,16	1,42			0,35	0,51	lb 6,61		
3/4"	MPa	10	mm	115	57	39	60	1,6	200	150	82,6	114	M16	4	50	M6	F05	14	20	kg 5	G514405A1505FAA	G514405A2305FAA
	Psi	1450	inch	4,53	2,24	1,54	2,36	0,06	7,87	5,91	3,25	4,49		0,16	1,97			0,55	0,79	lb 11,02		
1"	MPa	10	mm	125	64	42	65	1,6	200	160	88,9	124	M16	4	50	M6	F05	14	25	kg 6,5	G514406A1505FAA	G514406A2305FAA
	Psi	1450	inch	4,92	2,52	1,65	2,56	0,06	7,87	6,30	3,50	4,88		0,16	1,97			0,55	0,98	lb 14,33		
1-1/4"	MPa	10	mm	135	69	49	75	2	310	186	98,4	123	M16	4	70	M8	F07	17	32	kg 9	G514407A1505FAA	G514407A2305FAA
	Psi	1450	inch	5,31	2,72	1,93	2,95	0,08	12,20	7,32	3,87	4,84		0,16	2,76			0,67	1,26	lb 19,84		
1-1/2"	MPa	10	mm	155	85	53	85	2	310	206	114,3	146	M20	4	70	M8	F07	17	40	kg 12,4	G514408A1505FAA	G514408A2305FAA
	Psi	1450	inch	6,10	3,35	2,09	3,35	0,08	12,20	8,11	4,50	5,75		0,16	2,76			0,67	1,57	lb 27,34		
2"	MPa	10	mm	165	98	75,8	100	2	310	239	127	167	M16	8	70	M8	F07	17	49	kg 15	G514410A1505FAA	G514410A2305FAA
	Psi	1450	inch	6,50	3,86	2,98	3,94	0,08	12,20	9,41	5,00	6,57		0,31	2,76			0,67	1,93	lb 33,07		
2-1/2"	MPa	10	mm	190	122	85	125	2	450	176	149,2	190	M20	8	70	M8	F07	19	63	kg 21	G514412A1505FAA	G514412A2305FAA
	Psi	1450	inch	7,48	4,80	3,35	4,92	0,08	17,72	6,93	5,87	7,48		0,31	2,76			0,75	2,48	lb 46,30		
3"	MPa	10	mm	210	142	94	150	2	450	268	168,3	207	M20	8	70	M8	F07	19	74	kg 35	G514414A1505FAA	G514414A2305FAA
	Psi	1450	inch	8,27	5,59	3,70	5,91	0,08	17,72	10,55	6,63	8,15		0,31	2,76			0,75	2,91	lb 77,16		
4"	MPa	10	mm	275	173	116	185	2	450	331	215,9	253	M22	8	102	M10	F10	24	95	kg 70	G514418A1505FAA	G514418A2305FAA
	Psi	1450	inch	10,83	6,81	4,57	7,28	0,08	17,72	13,03	8,50	9,96		0,31	4,02			0,94	3,74	lb 154,32		
6"	MPa	10	mm	355	216	156	280	2	-	246,5	292,1	355	M24	12	165	22	F10	Ø 50*	150	kg 174	G514422A1505FAA	G514422A2305FAA
	Psi	1450	inch	13,98	8,50	6,14	11,02	0,08	-	9,70	11,50	13,98		0,47	6,50	0,87		Ø 1,97*	5,91	lb 383,60		

*stem with key

SBF

SPLIT BODY FLOATING

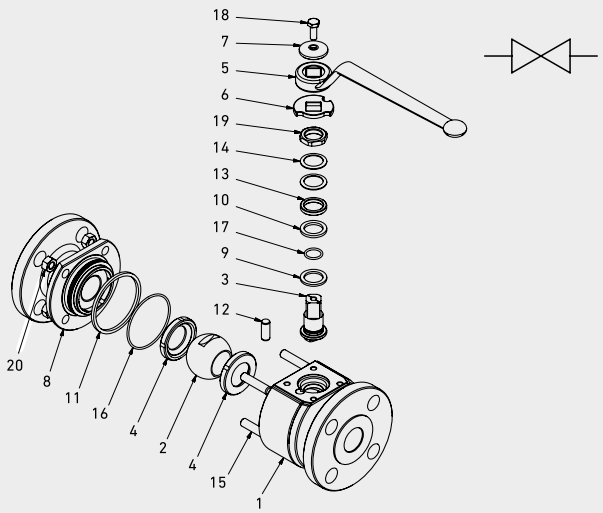
Edition. 21.0

CS Carbon Steel

SS Stainless Steel

- **CS, SS, DSS, ALLOY (Forged)**
- Type: ball valve Split Body Floating
- Sizes: from DN13 up to DN150
- Pressure: ANSI 150-2500
- Temperature: from -50° up to +200° (depending on materials selected)'

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	ASTM A350 LF2	ASTM A479 Tp.316
2	Ball	1	ASTM A479 Tp.316	ASTM A479 Tp.316
3	Stem	1	ASTM A479 Tp.316	ASTM A479 Tp.316
4	Ball seat	2	RPTFE	RPTFE
5	Handle	1	Fe37	Fe37
6	Washer	1	AISI 316	AISI 316
7	Washer	1	AISI 316	AISI 316
8	Flange	1	ASTM A350 LF2	ASTM A479 Tp.316
9	Stem ring	1	PTFE	PTFE
10	Up ring	1	Graphite	Graphite

POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
11	Flange ring	1	Graphite	Graphite
12	Pin	1	AISI 316	AISI 316
13	Press ring	1	AISI 316	AISI 316
14	Spring	2	AISI 316	AISI 316
15	Bolts	8	ASTM A320 L7M	ASTM A193 B8M Cl.2
16	Flange o-ring	1	FKM	FKM
17	Stem o-ring	1	FKM	FKM
18	Screw	1	ISO 4017 A4	ISO 4017 A4
19	Nut	1	AISI 316	AISI 316
20	Nut	8	ASTM A194 Gr. 7M	ASTM A194 Gr.8M





CODE DESCRIPTION STRUCTURE

SBF	ANSI600	2”	DN50	FB	LF2	F316	RPTFE	FKM	RF

Type and way of valve
SBF Split body floating bolted body

Valves dimension of pressure (LBS)
ANSI150
ANSI300
ANSI600
ANSI900
ANSI1500
ANSI2500

Sizes
from 1/2 to 6 inch

Sizes
from DN13 up to DN150

Bore
FB full bore
RB reduce bore

Body material
● A105* LF2
● F316

Stem material
● F316 A105* LF2* F51* F304*
● F316 A105* LF2* F51* F304*

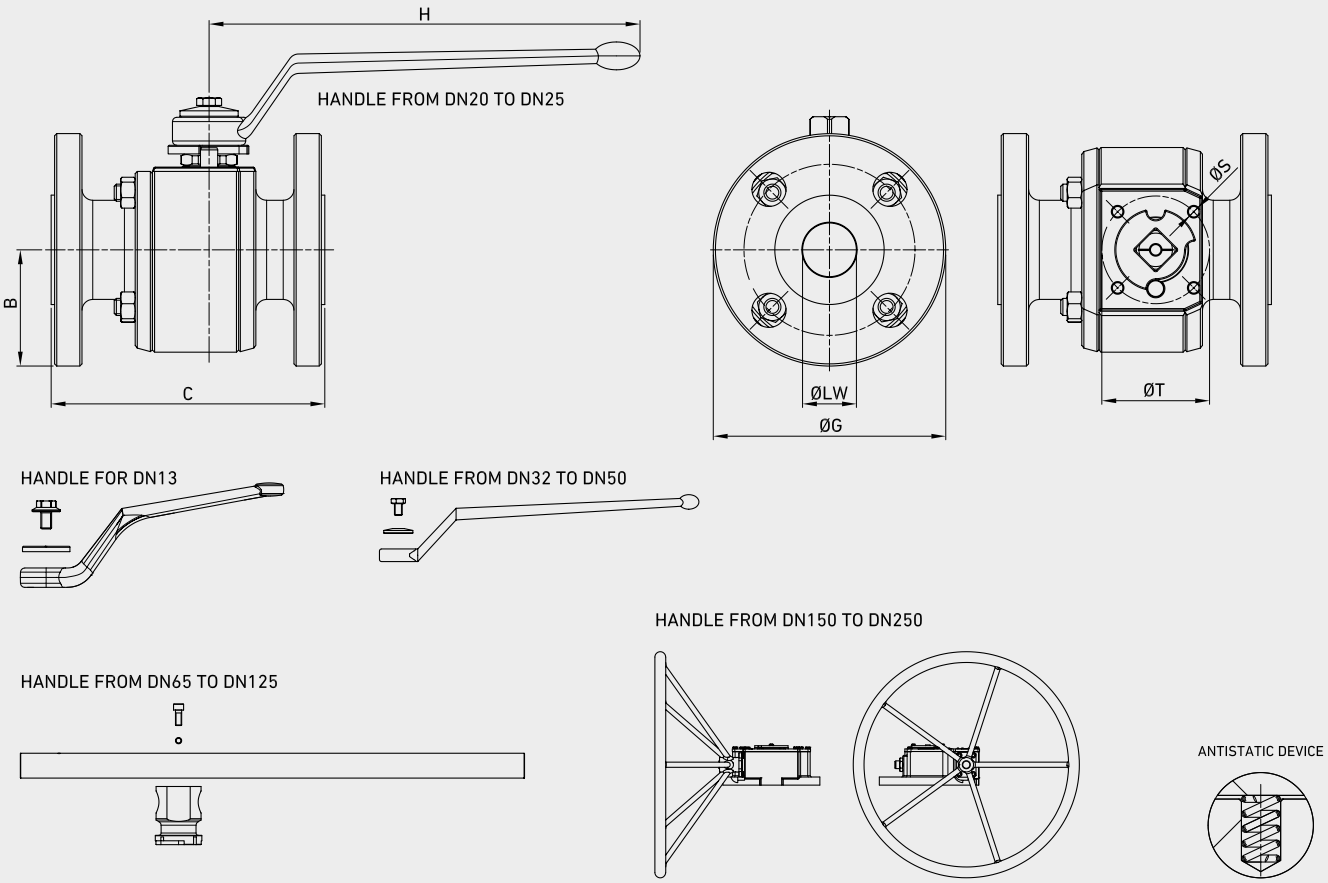
Ball seat material
RPTFE PEEK* POM* DEVLON* MET-TO-MET*

Adapter and stem seal material
FKM NBR* EPDM* MVQ*

Flanged
RF RTJ* BW* FF*

***On request**
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/ commercial service.



SPLIT BODY

COMPONENTS	MATERIAL	MIN / MAX TEMP.	PROVISIONS
BODY AND FLANGE	ASTM A105	-20°+120°	• API-6D Specification for pipeline valves • API 598 Valve inspection and test • ASME B.16.34 Steel valves Flanged and butt welding ends • ASME B16.5 Steel pipe flanges and flanged fittings • ASME B16.10 Face to face and end to end dimensions of ferrous valves • ASTM American society for testing materials • BS 6755 Testing of valves • NACE MR-01 -75 Sulfide stress cracking resistant mettallic materials or oil field equipment • UNI EN ISO 9001 quality system • DIN/ISO 5211 for mounting • BS-5351 steel ball valves for the petroleum, petrochemical and allied industries
	ASTM A105N	-29°+120°	
	ASTM A182 F316	-60°+230°	
	ASTM A350 LF2	-40°+100°	
STEM	ASTM A479 TP316	-60°+230°	
BALL	ASTM A182 F316	-60°+230°	
STEM SEALS	PTFE	-196°+230	
	GRAPHITE		
BALL SEATS	RPTFE	-196°+230°	
	PEEK	-50°+250°	
	NYLON	-40°+90°	
	DEVLON	-40°+150°	
	METAL-TO-METAL	-60°+230°	
O-RING	NBR	-30°+100°	
	FKM	-40°+200°	
	EPDM	-50°+150°	
	MVQ	-50°+150°	
STUD/NUT	ASTM A193 B7/Gr. 2H		
	ASTM A193 B8/Gr. 8		
	ASTM A320 L7/Gr. 7		

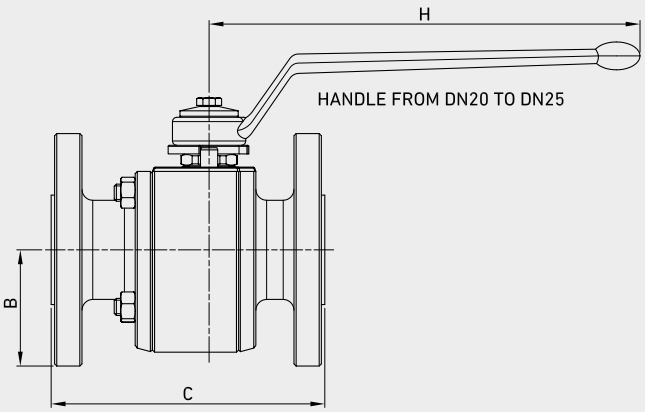
The company reserves the right to operate dimensional changes without prior notice.

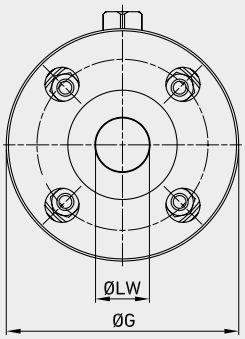
SBF ANSI 150 FB

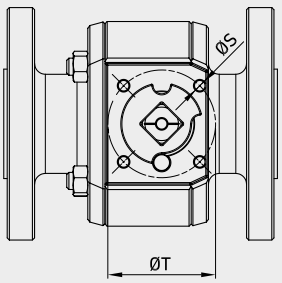
TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A150	1/2	MPa	2	mm	44,5	108	119	89	110	36	M5	F03	13	-	kg	2,3
		Psi	290	inch	1,75	4,25	4,69	3,50	4,33	1,42			0,51	-	lb	5,07
SBF A150	3/4	MPa	2	mm	49,2	117	130	98,5	200	36	M5	F03	20	-	kg	3,8
		Psi	290	inch	1,94	4,61	5,12	3,88	7,87	1,42			0,79	-	lb	8,38
SBF A150	1	MPa	2	mm	54	127	140	108	200	50	M6	F05	25	-	kg	5
		Psi	290	inch	2,13	5,00	5,51	4,25	7,87	1,97			0,98	-	lb	11,02
SBF A150	1 1/4	MPa	2	mm	58,75	140	153	117,5	200	50	M6	F05	32	-	kg	6,7
		Psi	290	inch	2,31	5,51	6,02	4,63	7,87	1,97			1,26	-	lb	14,77
SBF A150	1 1/2	MPa	2	mm	63,5	165	178	127	310	70	M8	F07	40	-	kg	10,5
		Psi	290	inch	2,50	6,50	7,01	5,00	12,20	2,76			1,57	-	lb	23,15
SBF A150	2	MPa	2	mm	76,2	178	191	152,4	310	70	M8	F07	49	-	kg	13,3
		Psi	290	inch	3,00	7,01	7,52	6,00	12,20	2,76			1,93	-	lb	29,32
SBF A150	2 1/2	MPa	2	mm	89	190	203	178	650	70	M8	F07	63	-	kg	22,7
		Psi	290	inch	3,50	7,48	7,99	7,01	25,59	2,76			2,48	-	lb	50,04
SBF A150	3	MPa	2	mm	95	203	216	190	650	70	M8	F07	74	-	kg	29,6
		Psi	290	inch	3,74	7,99	8,50	7,48	25,59	2,76			2,91	-	lb	65,26
SBF A150	4	MPa	2	mm	115	229	242	230	650	102	M10	F10	100	-	kg	49,6
		Psi	290	inch	4,53	9,02	9,53	9,06	25,59	4,02			3,94	-	lb	109,35
SBF A150	6	MPa	2	mm	139,8	394	407	279,5	-	125	M12	F12	150	-	kg	122
		Psi	290	inch	5,50	15,51	16,02	11,00	-	4,92			5,91	-	lb	268,96

SBF ANSI 150 RB

TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A150	3/4x1/2	MPa	2	mm	49,25	117	130	98,5	110	36	M5	F03	13	20	kg	3
		Psi	290	inch	1,94	4,61	5,12	3,88	4,33	1,42			0,51	0,79	lb	6,61
SBF A150	1x3/4	MPa	2	mm	54	127	140	108	200	36	M5	F03	20	25	kg	4,2
		Psi	290	inch	2,13	5,00	5,51	4,25	7,87	1,42			0,79	0,98	lb	9,26
SBF A150	1 1/4x1	MPa	2	mm	58,75	140	153	117,5	200	50	M6	F05	25	32	kg	5,3
		Psi	290	inch	2,31	5,51	6,02	4,63	7,87	1,97			0,98	1,26	lb	11,68
SBF A150	1 1/2x1 1/4	MPa	2	mm	63,5	165	178	127	200	50	M6	F05	32	40	kg	7,9
		Psi	290	inch	2,50	6,50	7,01	5,00	7,87	1,97			1,26	1,57	lb	17,42
SBF A150	2x1 1/2	MPa	2	mm	75	178	191	152,4	310	70	M8	F07	40	49	kg	11,7
		Psi	290	inch	2,95	7,01	7,52	6,00	12,20	2,76			1,57	1,93	lb	25,79
SBF A150	2 1/2x2	MPa	2	mm	89	190	203	178	310	70	M8	F07	49	63	kg	17,6
		Psi	290	inch	3,50	7,48	7,99	7,01	12,20	2,76			1,93	2,48	lb	38,80
SBF A150	3x2	MPa	2	mm	74	203	216	190	310	70	M8	F07	49	74	kg	18,9
		Psi	290	inch	2,91	7,99	8,50	7,48	12,20	2,76			1,93	2,91	lb	41,67
SBF A150	4x3	MPa	2	mm	114,5	229	242	230	650	102	M10	F10	74	100	kg	29,1
		Psi	290	inch	4,51	9,02	9,53	9,06	25,59	4,02			2,91	3,94	lb	64,15
SBF A150	6x4	MPa	2	mm	139,8	394	407	279,5	-	125	M12	F12	100	150	kg	63
		Psi	290	inch	5,50	15,51	16,02	11,00	-	4,92			3,94	5,91	lb	138,89
SBF A150	8x6	MPa	2	mm	171,5	457	470	343	-	125	M12	F12	150	201	kg	150
		Psi	290	inch	6,75	17,99	18,50	13,50	-	4,92			5,91	7,91	lb	330,69







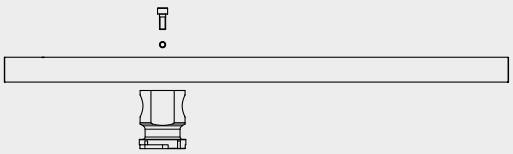
HANDLE FOR DN13



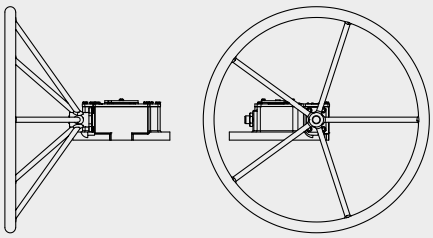
HANDLE FROM DN32 TO DN50



HANDLE FROM DN65 TO DN125



HANDLE FROM DN150 TO DN250



ANTISTATIC DEVICE



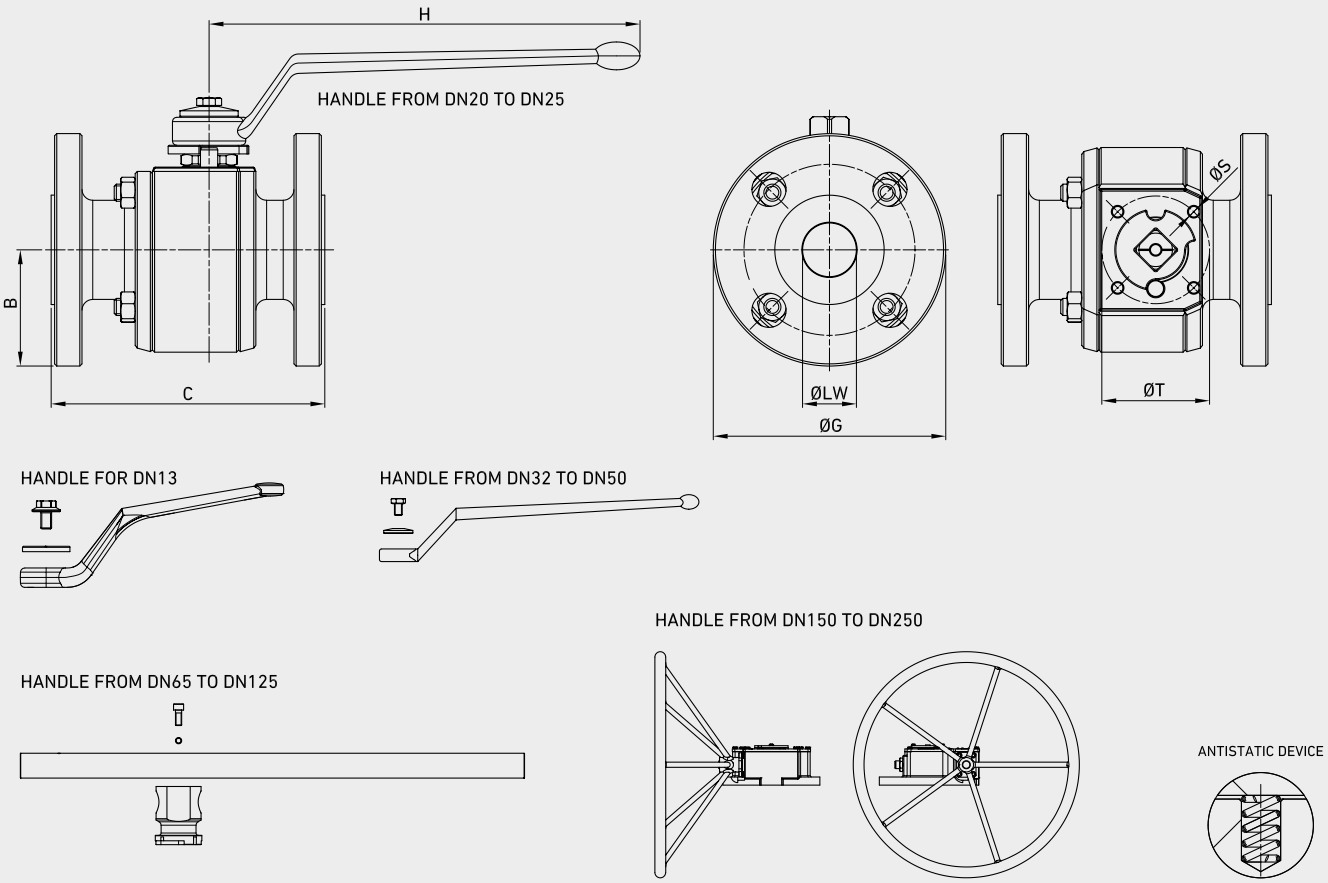
The company reserves the right to operate dimensional changes without prior notice.

SBF ANSI 300 FB

TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A300	1/2	MPa	5	mm	47,6	140	151	95,2	110	36	M5	F03	13	-	kg	3
		Psi	725	inch	1,87	5,51	5,94	3,75	4,33	1,42			0,51	-	lb	6,61
SBF A300	3/4	MPa	5	mm	58,8	152	165	117,5	200	50	M6	F05	20	-	kg	5,2
		Psi	725	inch	2,31	5,98	6,50	4,63	7,87	1,97			0,79	-	lb	11,46
SBF A300	1	MPa	5	mm	62	165	178	123,8	200	50	M6	F05	25	-	kg	7
		Psi	725	inch	2,44	6,50	7,01	4,87	7,87	1,97			0,98	-	lb	15,43
SBF A300	1 1/4	MPa	5	mm	66,2	178	191	133,3	310	50	M6	F05	32	-	kg	9,3
		Psi	725	inch	2,60	7,01	7,52	5,25	12,20	1,97			1,26	-	lb	20,50
SBF A300	1 1/2	MPa	5	mm	77,8	190	203	155,6	310	70	M8	F07	40	-	kg	13,9
		Psi	725	inch	3,06	7,48	7,99	6,13	12,20	2,76			1,57	-	lb	30,64
SBF A300	2	MPa	5	mm	82,5	216	232	165	310	70	M8	F07	49	-	kg	17,1
		Psi	725	inch	3,25	8,50	9,13	6,50	12,20	2,76			1,93	-	lb	37,70
SBF A300	2 1/2	MPa	5	mm	95,3	241	257	190,5	650	70	M8	F07	63	-	kg	28
		Psi	725	inch	3,75	9,49	10,12	7,50	25,59	2,76			2,48	-	lb	61,73
SBF A300	3	MPa	5	mm	105	283	299	210	650	70	M8	F07	74	-	kg	39
		Psi	725	inch	4,13	11,14	11,77	8,27	25,59	2,76			2,91	-	lb	85,98
SBF A300	4	MPa	5	mm	127	305	321	254	650	102	M10	F10	100	-	kg	73,7
		Psi	725	inch	5,00	12,01	12,64	10,00	25,59	4,02			3,94	-	lb	162,48
SBF A300	6	MPa	5	mm	158,8	403	419	317,5	-	125	M12	F12	150	-	kg	149
		Psi	725	inch	6,25	15,87	16,50	12,50	-	4,92			5,91	-	lb	328,49

SBF ANSI 300 RB

TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A300	3/4x1/2	MPa	5	mm	58,8	152	165	117,5	111	36	M5	F03	13	20	kg	4,4
		Psi	725	inch	2,31	5,98	6,50	4,63	4,37	1,42			0,51	0,79	lb	9,70
SBF A300	1x3/4	MPa	5	mm	62	165	178	123,8	120	50	M5	F05	20	25	kg	6,3
		Psi	725	inch	2,44	6,50	7,01	4,87	4,72	1,97			0,79	0,98	lb	13,89
SBF A300	1 1/4x1	MPa	5	mm	66,2	178	191	133,3	310	50	M6	F05	25	32	kg	8,1
		Psi	725	inch	2,60	7,01	7,52	5,25	12,20	1,97			0,98	1,26	lb	17,86
SBF A300	1 1/2x1 1/4	MPa	5	mm	77,8	190	203	155,6	310	50	M6	F05	32	40	kg	10,3
		Psi	725	inch	3,06	7,48	7,99	6,13	12,20	1,97			1,26	1,57	lb	22,71
SBF A300	2x1 1/2	MPa	5	mm	82,5	216	232	165	310	70	M8	F07	40	49	kg	16,2
		Psi	725	inch	3,25	8,50	9,13	6,50	12,20	2,76			1,57	1,93	lb	35,71
SBF A300	2 1/2x2	MPa	5	mm	95,3	241	257	190,5	650	70	M8	F07	49	63	kg	20,5
		Psi	725	inch	3,75	9,49	10,12	7,50	25,59	2,76			1,93	2,48	lb	45,19
SBF A300	3x2	MPa	5	mm	105	283	299	210	650	70	M8	F07	49	74	kg	26,8
		Psi	725	inch	4,13	11,14	11,77	8,27	25,59	2,76			1,93	2,91	lb	59,08
SBF A300	4x3	MPa	5	mm	127	305	321	254	650	70	M8	F07	74	100	kg	45
		Psi	725	inch	5,00	12,01	12,64	10,00	25,59	2,76			2,91	3,94	lb	99,21
SBF A300	6x4	MPa	5	mm	158,8	403	419	317,5	-	102	M10	F10	100	150	kg	89,5
		Psi	725	inch	6,25	15,87	16,50	12,50	-	4,02			3,94	5,91	lb	197,31
SBF A300	8x6	MPa	5	mm	190,5	502	518	381	-	125	M12	F12	150	201	kg	183
		Psi	725	inch	7,50	19,76	20,39	15,00	-	4,92			5,91	7,91	lb	403,45



SBF ANSI 600 FB

TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A600	1/2	MPa	10	mm	47,6	165	163	95,2	110	36	M5	F03	13	-	kg	3,4
		Psi	1450	inch	1,87	6,50	6,42	3,75	4,33	1,42			0,51	-	lb	7,50
SBF A600	3/4	MPa	10	mm	58,8	190	190	117,5	200	50	M5	F05	20	-	kg	5,8
		Psi	1450	inch	2,31	7,48	7,48	4,63	7,87	1,97			0,79	-	lb	12,79
SBF A600	1	MPa	10	mm	62	216	216	124	200	50	M6	F05	25	-	kg	8
		Psi	1450	inch	2,44	8,50	8,50	4,88	7,87	1,97			0,98	-	lb	17,64
SBF A600	1 1/4	MPa	10	mm	66,8	229	229	133,5	310	50	M6	F05	32	-	kg	11,9
		Psi	1450	inch	2,63	9,02	9,02	5,26	12,20	1,97			1,26	-	lb	26,23
SBF A600	1 1/2	MPa	10	mm	77,8	241	241	155,6	310	70	M8	F07	40	-	kg	15,7
		Psi	1450	inch	3,06	9,49	9,49	6,13	12,20	2,76			1,57	-	lb	34,61
SBF A600	2	MPa	10	mm	82,5	292	295	165,1	310	70	M8	F07	49	-	kg	20,7
		Psi	1450	inch	3,25	11,50	11,61	6,50	12,20	2,76			1,93	-	lb	45,64
SBF A600	2 1/2	MPa	10	mm	95,3	330	333	190,5	650	70	M8	F07	63	-	kg	40
		Psi	1450	inch	3,75	12,99	13,11	7,50	25,59	2,76			2,48	-	lb	88,18
SBF A600	3	MPa	10	mm	105	356	359	210	650	70	M8	F07	74	-	kg	49,6
		Psi	1450	inch	4,13	14,02	14,13	8,27	25,59	2,76			2,91	-	lb	109,35
SBF A600	4	MPa	10	mm	136,5	432	435	273	650	102	M10	F10	100	-	kg	97
		Psi	1450	inch	5,37	17,01	17,13	10,75	25,59	4,02			3,94	-	lb	213,85

The company reserves the right to operate dimensional changes without prior notice.

SBF ANSI 600 RB

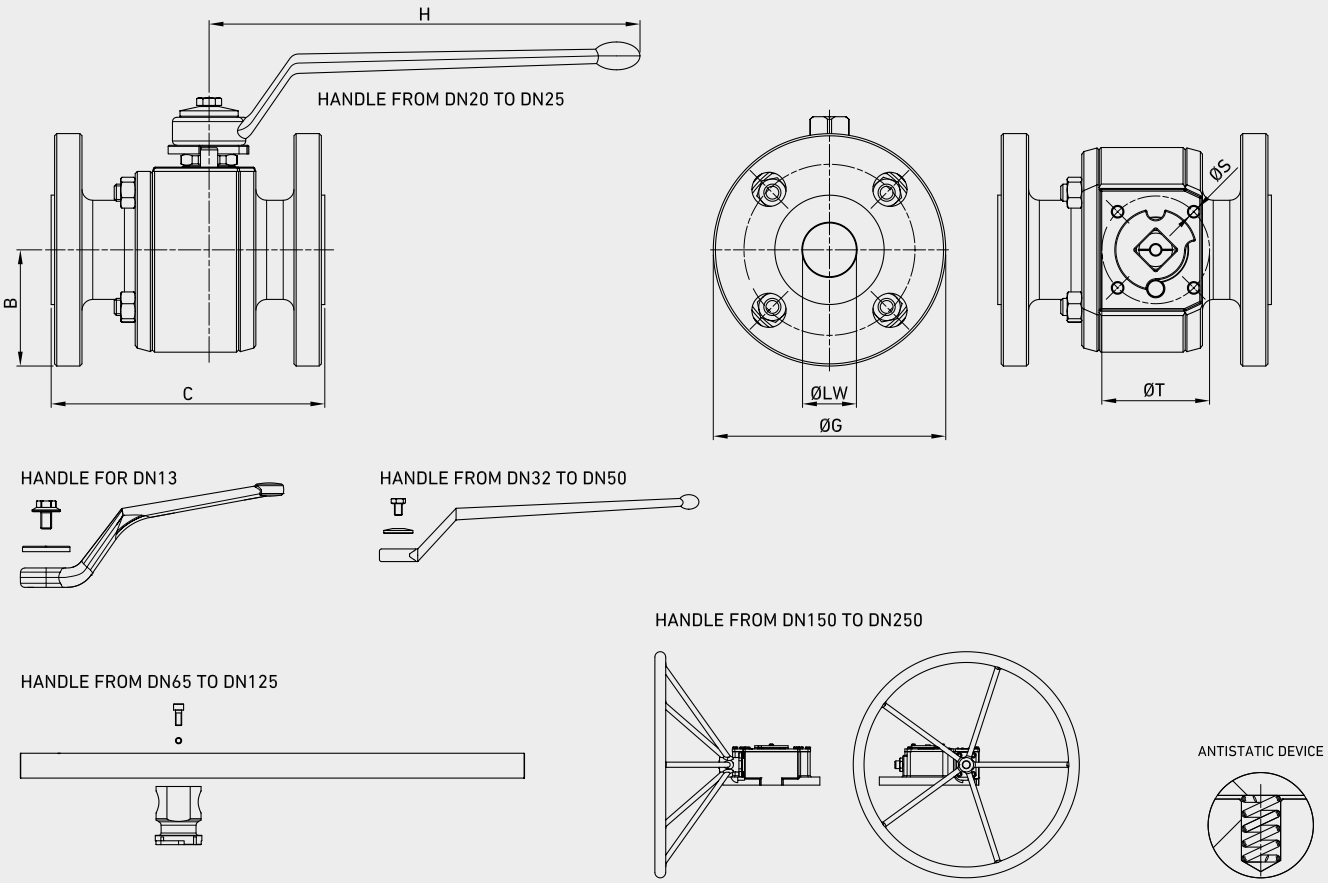
TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A600	3/4 x 1/2	MPa	10	mm	58,8	190	190	117,5	110	36	M5	F03	13	20	kg	5,2
		Psi	1450	inch	2,31	7,48	7,48	4,63	4,33	1,42			0,51	0,79	lb	11,46
SBF A600	1x3/4	MPa	10	mm	62	216	216	124	110	50	M5	F05	20	25	kg	6,9
		Psi	1450	inch	2,44	8,50	8,50	4,88	4,33	1,97			0,79	0,98	lb	15,21
SBF A600	1 1/4x1	MPa	10	mm	66,8	229	229	133,5	310	50	M6	F05	25	32	kg	9,5
		Psi	1450	inch	2,63	9,02	9,02	5,26	12,20	1,97			0,98	1,26	lb	20,94
SBF A600	1 1/2x1 1/4	MPa	10	mm	77,8	241	241	155,6	310	50	M6	F05	32	40	kg	12,9
		Psi	1450	inch	3,06	9,49	9,49	6,13	12,20	1,97			1,26	1,57	lb	28,44
SBF A600	2x1 1/2	MPa	10	mm	82,5	292	295	165,1	310	70	M8	F07	40	49	kg	17,3
		Psi	1450	inch	3,25	11,50	11,61	6,50	12,20	2,76			1,57	1,93	lb	38,14
SBF A600	2 1/2x2	MPa	10	mm	95,3	330	333	190,5	650	70	M8	F07	49	63	kg	25,2
		Psi	1450	inch	3,75	12,99	13,11	7,50	25,59	2,76			1,93	2,48	lb	55,56
SBF A600	3x2	MPa	10	mm	74	356	359	210	650	70	M8	F07	49	74	kg	36
		Psi	1450	inch	2,91	14,02	14,13	8,27	25,59	2,76			1,93	2,91	lb	79,37
SBF A600	4x3	MPa	10	mm	136,5	432	435	273	650	70	M8	F07	74	100	kg	65,7
		Psi	1450	inch	5,37	17,01	17,13	10,75	25,59	2,76			2,91	3,94	lb	144,84
SBF A600	6x4	MPa	10	mm	177,5	559	562	355,5	-	102	M10	F10	100	150	kg	157
		Psi	1450	inch	6,99	22,01	22,13	14,00	-	4,02			3,94	5,91	lb	346,13

SBF ANSI 900 FB

TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A600	1/2	MPa	10	mm	47,6	165	163	95,2	110	36	M5	F03	13	-	kg	3,4
		Psi	1450	inch	1,87	6,50	6,42	3,75	4,33	1,42			0,51	-	lb	7,50
SBF A600	3/4	MPa	10	mm	58,8	190	190	117,5	200	50	M5	F05	20	-	kg	5,8
		Psi	1450	inch	2,31	7,48	7,48	4,63	7,87	1,97			0,79	-	lb	12,79
SBF A600	1	MPa	10	mm	62	216	216	124	200	50	M6	F05	25	-	kg	8
		Psi	1450	inch	2,44	8,50	8,50	4,88	7,87	1,97			0,98	-	lb	17,64
SBF A600	1 1/4	MPa	10	mm	66,8	229	229	133,5	310	50	M6	F05	32	-	kg	11,9
		Psi	1450	inch	2,63	9,02	9,02	5,26	12,20	1,97			1,26	-	lb	26,23
SBF A600	1 1/2	MPa	10	mm	77,8	241	241	155,6	310	70	M8	F07	40	-	kg	15,7
		Psi	1450	inch	3,06	9,49	9,49	6,13	12,20	2,76			1,57	-	lb	34,61
SBF A600	4	MPa	10	mm	136,5	432	435	273	650	102	M10	F10	100	-	kg	97
		Psi	1450	inch	5,37	17,01	17,13	10,75	25,59	4,02			3,94	-	lb	213,85

SBF ANSI 900 RB

TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A900	3/4x1/2	MPa	15	mm	65	229	229	130	110	36	M5	F03	13	20	kg	7,5
		Psi	2175	inch	2,56	9,02	9,02	5,12	4,33	1,42			0,51	0,79	lb	16,53
SBF A900	1x3/4	MPa	15	mm	74,5	254	254	149	110	50	M6	F05	19	25	kg	10,3
		Psi	2175	inch	2,93	10,00	10,00	5,87	4,33	1,97			0,75	0,98	lb	22,71
SBF A900	1 1/4x1	MPa	15	mm	79,5	279	279	159	310	50	M6	F05	25	32	kg	11,8
		Psi	2175	inch	3,13	10,98	10,98	6,26	12,20	1,97			0,98	1,26	lb	26,01
SBF A900	1 1/2x1 1/4	MPa	15	mm	89	305	305	178	310	70	M8	F07	32	38	kg	15,6
		Psi	2175	inch	3,50	12,01	12,01	7,01	12,20	2,76			1,26	1,50	lb	34,39
SBF A900	2x1 1/2	MPa	15	mm	108	368	371	216	310	70	M8	F07	38	49	kg	35,6
		Psi	2175	inch	4,25	14,49	14,61	8,50	12,20	2,76			1,50	1,93	lb	78,48
SBF A900	2 1/2x2	MPa	15	mm	122	419	422	244	650	102	M10	F10	49	63	kg	44,5
		Psi	2175	inch	4,80	16,50	16,61	9,61	25,59	4,02			1,93	2,48	lb	98,11



SBF ANSI 1500 FB

TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A1500	1/2	MPa	25	mm	60,5	216	216	121	110	36	M5	F03	13	-	kg	6
		Psi	3625	inch	2,38	8,50	8,50	4,76	4,33	1,42			0,51	-	lb	13,23
SBF A1500	3/4	MPa	25	mm	65	229	229	130	110	50	M6	F05	19	-	kg	9,3
		Psi	3625	inch	2,56	9,02	9,02	5,12	4,33	1,97			0,75	-	lb	20,50
SBF A1500	1	MPa	25	mm	74,5	254	254	149	200	50	M6	F05	25	-	kg	12,5
		Psi	3625	inch	2,93	10,00	10,00	5,87	7,87	1,97			0,98	-	lb	27,56
SBF A1500	1 1/4	MPa	25	mm	79,5	279	279	159	310	70	M8	F07	32	-	kg	14,3
		Psi	3625	inch	3,13	10,98	10,98	6,26	12,20	2,76			1,26	-	lb	31,53
SBF A1500	1 1/2	MPa	25	mm	89	305	305	178	310	70	M8	F07	38	-	kg	18,5
		Psi	3625	inch	3,50	12,01	12,01	7,01	12,20	2,76			1,50	-	lb	40,79
SBF A1500	2	MPa	25	mm	107,5	368	371	215	310	70	M8	F07	49	-	kg	40
		Psi	3625	inch	4,23	14,49	14,61	8,46	12,20	2,76			1,93	-	lb	88,18

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SBF ANSI 1500 RB

TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A1500	3/4x1/2	MPa	25	mm	65	229	229	130	110	50	M5	F03	13	20	kg	7,5
		Psi	3625	inch	2,56	9,02	9,02	5,12	4,33	1,97			0,51	0,79	lb	16,53
SBF A1500	1x3/4	MPa	25	mm	74,5	254	254	149	110	50	M6	F05	19	25	kg	10,3
		Psi	3625	inch	2,93	10,00	10,00	5,87	4,33	1,97			0,75	0,98	lb	22,71
SBF A1500	1 1/4x1	MPa	25	mm	79,5	279	279	159	310	50	M6	F05	25	32	kg	11,8
		Psi	3625	inch	3,13	10,98	10,98	6,26	12,20	1,97			0,98	1,26	lb	26,01
SBF A1500	1 1/2x1 1/4	MPa	25	mm	89	305	305	178	310	70	M8	F07	32	38	kg	15,6
		Psi	3625	inch	3,50	12,01	12,01	7,01	12,20	2,76			1,26	1,50	lb	34,39
SBF A1500	2x1 1/2	MPa	25	mm	108	368	371	216	310	70	M8	F07	38	49	kg	35,6
		Psi	3625	inch	4,25	14,49	14,61	8,50	12,20	2,76			1,50	1,93	lb	78,48
SBF A1500	2 1/2x2	MPa	25	mm	122	419	422	244	650	102	M10	F10	49	63	kg	44,5
		Psi	3625	inch	4,80	16,50	16,61	9,61	25,59	4,02			1,93	2,48	lb	98,11

SBF ANSI 2500 FB

TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A2500	1/2	MPa	42	mm	66,5	264	264	133	110	50	M6	F05	13	-	kg	12,3
		Psi	6090	inch	2,62	10,39	10,39	5,24	4,33	1,97			0,51	-	lb	27,12
SBF A2500	3/4	MPa	42	mm	70	273	273	140	110	50	M6	F05	19	-	kg	15,3
		Psi	6090	inch	2,76	10,75	10,75	5,51	4,33	1,97			0,75	-	lb	33,73
SBF A2500	1	MPa	42	mm	79,5	308	308	159	110	70	M8	F07	25	-	kg	22,3
		Psi	6090	inch	3,13	12,13	12,13	6,26	4,33	2,76			0,98	-	lb	49,16
SBF A2500	1 1/4	MPa	42	mm	92	356	359	184	310	70	M8	F07	32	-	kg	23,5
		Psi	6090	inch	3,62	14,02	14,13	7,24	12,20	2,76			1,26	-	lb	51,81
SBF A2500	1 1/2	MPa	42	mm	101,5	387	390	203	310	70	M8	F07	38	-	kg	29,5
		Psi	6090	inch	4,00	15,24	15,35	7,99	12,20	2,76			1,50	-	lb	65,04
SBF A2500	2	MPa	42	mm	117,5	451	454	235	310	102	M10	F10	42	-	kg	55,6
		Psi	6090	inch	4,63	17,76	17,87	9,25	12,20	4,02			1,65	-	lb	122,58

SBF ANSI 2500 RB

TYPE	INCH	PN			B	C RF	C RTJ	ØG	H	ØT	ØS	ISO 5211	ØLW	ØLW1	WEIGHT	
SBF A2500	3/4x1/2	MPa	42	mm	70	273	273	140	110	50	M6	F05	13	20	kg	11,5
		Psi	6090	inch	2,76	10,75	10,75	5,51	4,33	1,97			0,51	0,79	lb	25,35
SBF A2500	1x3/4	MPa	42	mm	79,5	308	308	159	110	50	M6	F05	19	25	kg	16,5
		Psi	6090	inch	3,13	12,13	12,13	6,26	4,33	1,97			0,75	0,98	lb	36,38
SBF A2500	1 1/4x1	MPa	42	mm	92	356	359	184	310	70	M8	F07	25	32	kg	18,6
		Psi	6090	inch	3,62	14,02	14,13	7,24	12,20	2,76			0,98	1,26	lb	41,01
SBF A2500	1 1/2x1 1/4	MPa	42	mm	101,5	387	390	203	310	70	M8	F07	32	38	kg	24,2
		Psi	6090	inch	4,00	15,24	15,35	7,99	12,20	2,76			1,26	1,50	lb	53,35
SBF A2500	2x1 1/2	MPa	42	mm	117,5	451	454	235	310	102	M10	F10	38	42	kg	52,3
		Psi	6090	inch	4,63	17,76	17,87	9,25	12,20	4,02			1,50	1,65	lb	115,30
SBF A2500	2 1/2x2	MPa	42	mm	133,5	508	511	267	650	102	M10	F07	42	52	kg	58,5
		Psi	6090	inch	5,26	20,00	20,12	10,51	25,59	4,02			1,65	2,05	lb	128,97

SBT

SPLIT BODY TRUNNION

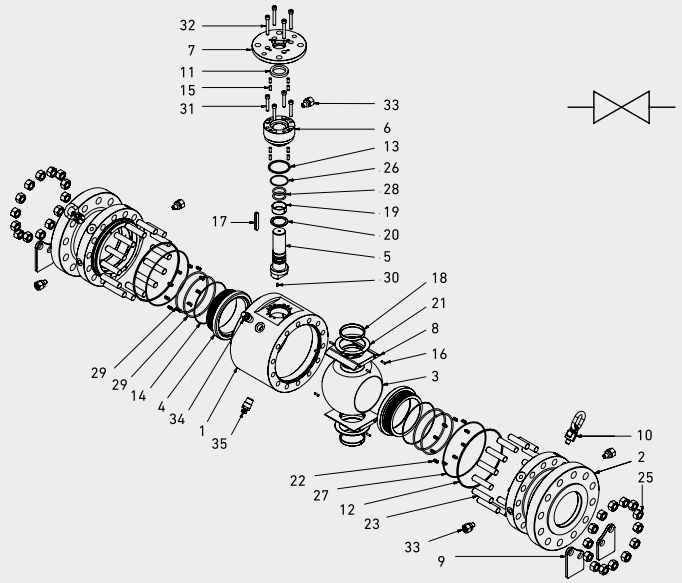
Edition. 21.0

CS **Carbon Steel**

SS **Stainless Steel**

- **CS, SS, DSS, ALLOY (Forged)**
- Type: ball valve Split Body Trunnion
- Sizes: from DN20 up to DN900
- Pressure: ANSI 150-2500
- Temperature: from -50° up to +200° (depending on materials selected)'

STANDARD COMPOSITION OF VALVE



POS	DESCRIPTION	CS Carbon Steel	SS Stainless Steel
		MATERIAL	
1	Body	ASTM A350 LF2	ASTM A182 F316
2	Clousure	ASTM A350 LF2	ASTM A182 F316
3	Ball	ASTM A182 F316	ASTM A182 F316
4	Seat	ASTM A479 Tp.316/RPTFE	ASTM A479 Tp.316/RPTFE
5	Stem	ASTM A479 Tp.316	ASTM A479 Tp.316
6	Bonnet	ASTM A350 LF2	ASTM A479 Tp.316
7	Cover Plate	ASTM A350 LF2	ASTM A479 Tp.316
8	Spacer	ASTM A516 Gr.70	ASTM A240 Tp.316
9	Valve Support	ASTM A516 Gr.70	ASTM A516 Gr.70
10	Eyebolt	Gr.80	Gr.80
11	Stem Gasket	Graphite	Graphite
12	Seat Gasket	Graphite	Graphite
13	Body/Bonnet Gasket S.W.T.	Graphite+316L	Graphite+316L
14	Body/Flange Gasket S.W.T.	Graphite+316L	Graphite+316L
15	Body/Bonnet/Cover Pin	100Cr6	100Cr6
16	Spacer Pin	100Cr6	100Cr6
17	Stem Key	C70	C70
18	Ball Bushing	AISI 316 + N.F.C.	AISI 316 + N.F.C.

POS	DESCRIPTION	CS Carbon Steel	SS Stainless Steel
		MATERIAL	
19	Stem Bushing	AISI 316 + N.F.C.	AISI 316 + N.F.C.
20	Stem Thrust Washer	AISI 316 + N.F.C.	AISI 316 + N.F.C.
21	Ball Thrust Washer	AISI 316 + N.F.C.	AISI 316 + N.F.C.
22	Spring Inconel	INCONEL X750	INCONEL X750
23	Stud	ASTM A320 L7M	ASTM A193 B8M Cl.2
24	Support/Lifting Lug Stud	ASTM A320 L7M	ASTM A193 B8M Cl.2
25	Nut	ASTM A194 Gr.7M	ASTM A194 Gr.8M
26	Body/Bonnet o-ring	FKM	FKM
27	Body/Flange o-ring	FKM	FKM
28	Stem o-ring	FKM	FKM
29	Seat o-ring	FKM	FKM
30	Antistatic Device	INCONEL X750	ASTM A479 Tp.316
31	Bonnet T.C.E.I.	ASTM A320 L7M	ASTM A193 B8M Cl.2
32	Cover Plate T.C.E.I.	ASTM A320 L7M	ASTM A193 B8M Cl.2
33	Stem Injection	ASTM A479 Tp.316	ASTM A479 Tp.316
34	Drain Plug	ASTM A479 Tp.316	ASTM A479 Tp.316
35	Vent Bleeder	ASTM A479 Tp.316	ASTM A479 Tp.316





ALSO AVAILABLE IN FULLY WELDED VERSION

CODE DESCRIPTION STRUCTURE

SBT	ANSI600	3/4"	DN50	FB	LF2	F316	RPTFE	FKM	RF

Type and way of valve
SBT Split body trunnion bolted body

Valves dimension of pressure (LBS)
ANSI150
ANSI300
ANSI600
ANSI900
ANSI1500
ANSI2500

Sizes
from 3/4" to 36"

Sizes
from DN20 to DN900

Bore
FB full bore
RB reduce bore

Body material
● A105* LF2
● F316

Stem material
● F316 F51*
● F316 F51*

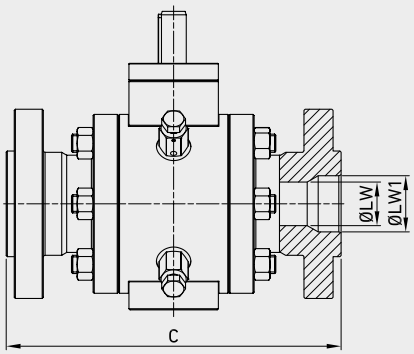
Ball seat material
RPTFE PEEK* NYLON* DEVLON* MET-TO-MET*

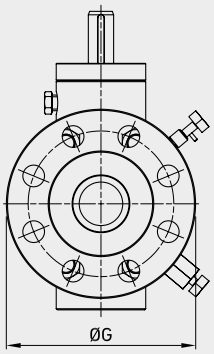
Adapter and stem seal material
FKM NBR* EPDM* MVQ*

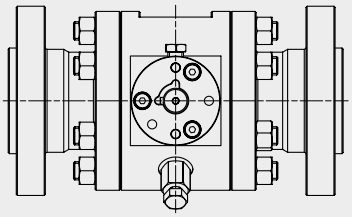
Flanged
RF RTJ* BW* FF*

*On request
- Lever
- Gear
- Pneumatic and electrical actuator
- Locking device

For further special requests please consult our technical/ commercial service.









SBT ANSI 150 FB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A150	2	MPa	2	mm	49	-	178	191	150
		Psi	290	inch	1,93	-	7,01	7,52	5,91
SBT A150	2 1/2	MPa	2	mm	62	-	191	203	180
		Psi	290	inch	2,44	-	7,52	7,99	7,09
SBT A150	3	MPa	2	mm	74	-	203	216	190,5
		Psi	290	inch	2,91	-	7,99	8,50	7,50
SBT A150	4	MPa	2	mm	100	-	229	241	229
		Psi	290	inch	3,94	-	9,02	9,49	9,02

SBT ANSI 150 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A150	2x1 1/2	MPa	2	mm	38	49	178	191	150
		Psi	290	inch	1,50	1,93	7,01	7,52	5,91
SBT A150	3x2	MPa	2	mm	49	74	203	216	190
		Psi	290	inch	1,93	2,91	7,99	8,50	7,48
SBT A150	4x3	MPa	2	mm	74	100	229	241	229
		Psi	290	inch	2,91	3,94	9,02	9,49	9,02
SBT A150	6x4	MPa	2	mm	100	150	394	406	280
		Psi	290	inch	3,94	5,91	15,51	15,98	11,02

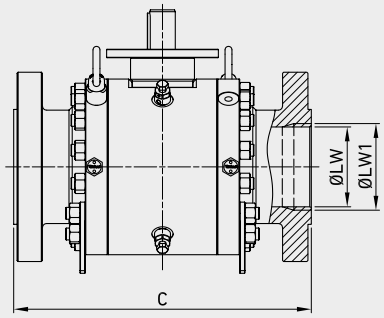
SPLIT BODY

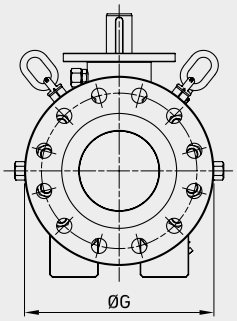
COMPONENTS	MATERIAL	MIN / MAX TEMP.
BODY AND FLANGE	ASTM A105	-20°+120°
	ASTM A105N	-29°+120°
	ASTM A182 F316	-60°+230°
	ASTM A350 LF2	-40°+100°
STEM	ASTM A479 TP316	-60°+230°
BALL	ASTM A182 F316	-60°+230°
STEM SEALS	PTFE	-196°+230
	GRAPHITE	
BALL SEATS	RPTFE	-196°+230°
	PEEK	-50°+250°
	NYLON	-40°+90°
	DEVLON	-40°+150°
	METAL-TO-METAL	-60°+230°
O-RING	NBR	-30°+100°
	FKM	-40°+200°
	EPDM	-50°+150°
	MVQ	-50°+150°
STUD/NUT	ASTM A193 B7/GR. 2H	
	ASTM A 193 B8/GR. 8	
	ASTM A320 L7/GR. 7	

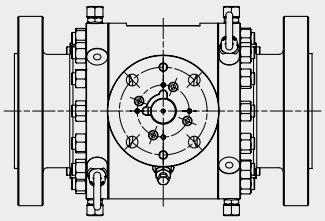
PROVISIONS

- APl 6D Specification for pipeline valves
- API 598 Valve inspection and test
- ASME B.16.34 Steel valves Flanged and butt welding ends
- ASME B16.5 Steel pipe flanges and flanged fittings
- ASME B16.10 Face to face and end to end dimensions of ferrous valves
- ASTM American society for testing materials
- BS 6755 Testing of valves
- NACE MR-01 -75 Sulfide stress cracking resistant mettallic materials or oil field equipment
- UNI EN ISO 9001 quality system
- DIN/ISO 5211 for mounting
- BS 5351 steel ball valves for the petroleum, petrochemical and allied industries

The company reserves the right to operate dimensional changes without prior notice.







ALSO AVAILABLE IN FULLY WELDED VERSION

ANTISTATIC DEVICE



SBT ANSI 150 FB

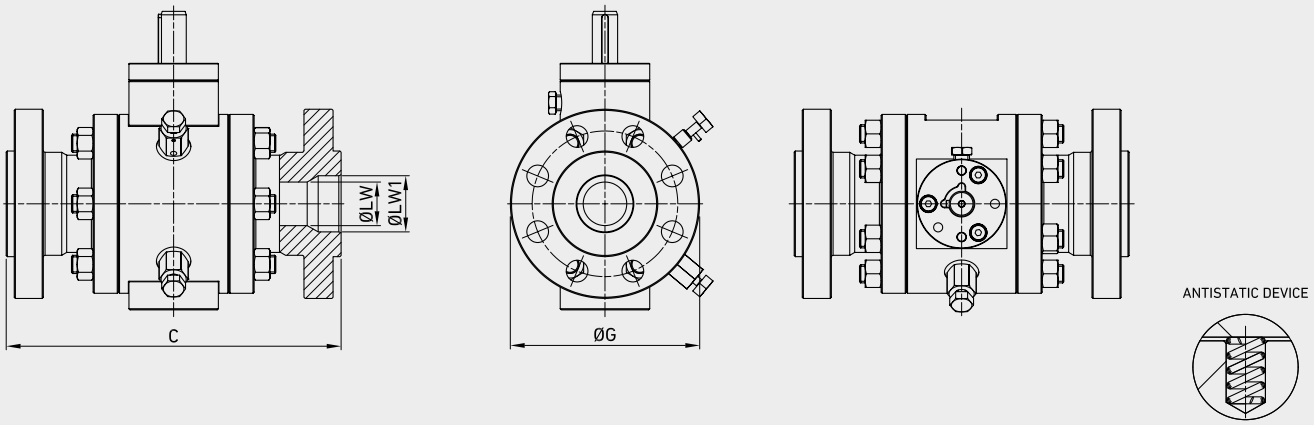
TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A150	6	MPa	2	mm	150	-	394	406	280
		Psi	290	inch	5,91	-	15,51	15,98	11,02
SBT A150	8	MPa	2	mm	201	-	457	470	345
		Psi	290	inch	7,91	-	17,99	18,50	13,58
SBT A150	10	MPa	2	mm	252	-	533	546	405
		Psi	290	inch	9,92	-	20,98	21,50	15,94
SBT A150	12	MPa	2	mm	303	-	610	622	485
		Psi	290	inch	11,93	-	24,02	699,00	19,09
SBT A150	14	MPa	2	mm	334	-	689	699	533,5
		Psi	290	inch	13,15	-	27,13	27,52	21,00
SBT A150	16	MPa	2	mm	385	-	762	775	597
		Psi	290	inch	15,16	-	30,00	30,51	23,50
SBT A150	18	MPa	2	mm	436	-	864	876	635
		Psi	290	inch	17,17	-	34,02	34,49	25,00
SBT A150	20	MPa	2	mm	487	-	914	927	698,5
		Psi	290	inch	19,17	-	35,98	36,50	27,50
SBT A150	22	MPa	2	mm	538	-	-	-	750*
		Psi	290	inch	21,18	-	-	-	29,53
SBT A150	24	MPa	2	mm	589	-	1067	1080	813
		Psi	290	inch	23,19	-	42,01	42,52	32,01
SBT A150	26	MPa	2	mm	635	-	1143	-	-
		Psi	290	inch	25,00	-	45,00	-	-
SBT A150	28	MPa	2	mm	686	-	1245	-	-
		Psi	290	inch	27,01	-	49,02	-	-
SBT A150	30	MPa	2	mm	737	-	1295	-	-
		Psi	290	inch	29,02	-	50,98	-	-
SBT A150	32	MPa	2	mm	781	-	1372	-	-
		Psi	290	inch	30,75	-	54,02	-	-
SBT A150	34	MPa	2	mm	832	-	1473	-	-
		Psi	290	inch	32,76	-	57,99	-	-
SBT A150	36	MPa	2	mm	876	-	1524	-	-
		Psi	290	inch	34,49	-	60,00	-	-

*According to MSS SP44

SBT ANSI 150 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A150	8x6	MPa	2	mm	150	201	457	470	345
		Psi	290	inch	5,91	7,91	17,99	18,50	13,58
SBT A150	10x8	MPa	2	mm	201	252	533	546	405
		Psi	290	inch	7,91	9,92	20,98	21,50	15,94
SBT A150	12x10	MPa	2	mm	252	303	610	622	485
		Psi	290	inch	9,92	11,93	24,02	24,49	19,09
SBT A150	14x10	MPa	2	mm	252	334	689	699	533,5
		Psi	290	inch	9,92	13,15	27,13	27,52	21,00
SBT A150	16x12	MPa	2	mm	303	385	762	775	597
		Psi	290	inch	11,93	15,16	30,00	30,51	23,50
SBT A150	18x14	MPa	2	mm	334	436	864	876	635
		Psi	290	inch	13,15	17,17	34,02	34,49	25,00
SBT A150	20x16	MPa	2	mm	385	487	914	927	698,5
		Psi	290	inch	15,16	19,17	35,98	36,50	27,50
SBT A150	24x20	MPa	2	mm	487	589	1067	1080	813
		Psi	290	inch	19,17	23,19	42,01	42,52	32,01
SBT A150	28x24	MPa	2	mm	589	684	1245	-	925*
		Psi	290	inch	23,19	26,93	49,02	-	36,42
SBT A150	30x24	MPa	2	mm	591	737	1295	-	-
		Psi	290	inch	23,27	29,02	50,98	-	-
SBT A150	36x30	MPa	2	mm	737	876	1524	-	-
		Psi	290	inch	29,02	34,49	60,00	-	-

*According to MSS SP44



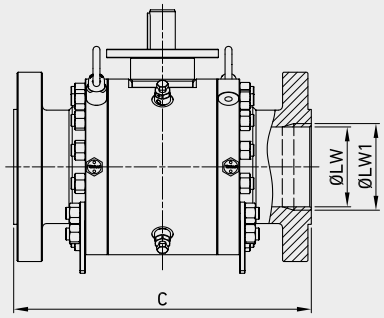
SBT ANSI 300 FB

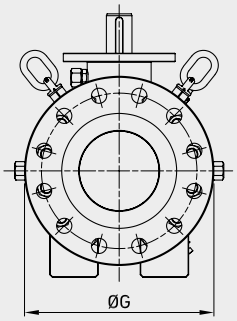
TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A300	2	MPa	5	mm	49	-	216	232	165
		Psi	725	inch	1,93	-	8,50	9,13	6,50
SBT A300	2 1/2	MPa	5	mm	62	-	241	257	190
		Psi	725	inch	2,44	-	9,49	10,12	7,48
SBT A300	3	MPa	5	mm	74	-	283	298	210
		Psi	725	inch	2,91	-	11,14	11,73	8,27
SBT A300	4	MPa	5	mm	100	-	305	321	255
		Psi	725	inch	3,94	-	12,01	12,64	10,04

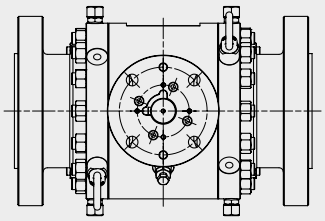
SBT ANSI 300 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A300	2x1 1/2	MPa	5	mm	38	49	216	232	165
		Psi	725	inch	1,50	1,93	8,50	9,13	6,50
SBT A300	3x2	MPa	5	mm	49	74	283	298	210
		Psi	725	inch	1,93	2,91	11,14	11,73	8,27
SBT A300	4x3	MPa	5	mm	74	100	305	321	255
		Psi	725	inch	2,91	3,94	12,01	12,64	10,04
SBT A300	6x4	MPa	5	mm	100	150	403	419	320
		Psi	725	inch	3,94	5,91	15,87	16,50	12,60

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ALSO AVAILABLE IN FULLY WELDED VERSION

ANTISTATIC DEVICE



SBT ANSI 300 FB

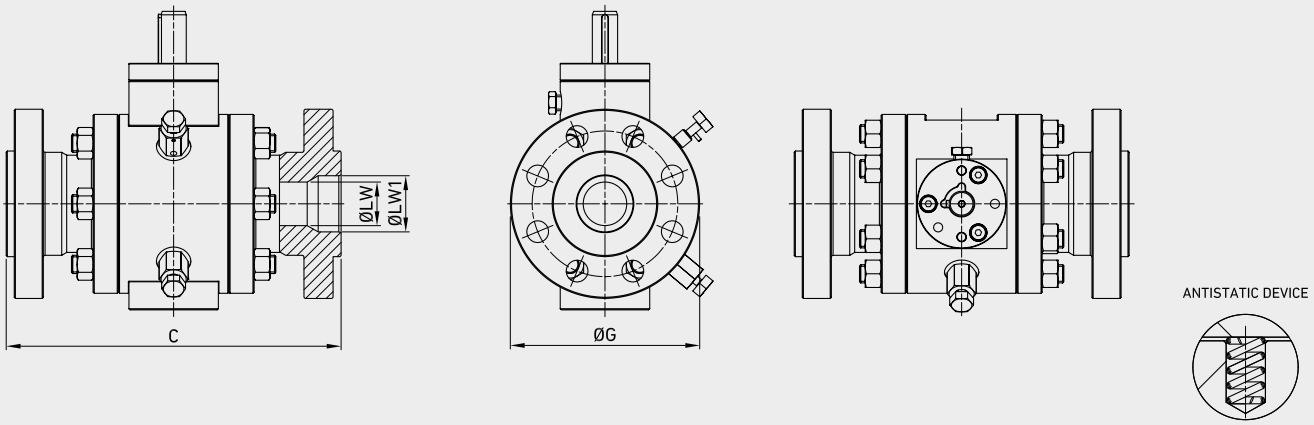
TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A300	6	MPa	5	mm	150	-	403	419	320
		Psi	725	inch	5,91	-	15,87	16,50	12,60
SBT A300	8	MPa	5	mm	201	-	502	518	380
		Psi	725	inch	7,91	-	19,76	20,39	14,96
SBT A300	10	MPa	5	mm	252	-	568	584	445
		Psi	725	inch	9,92	-	22,36	22,99	17,52
SBT A300	12	MPa	5	mm	303	-	648	664	520
		Psi	725	inch	11,93	-	25,51	26,14	20,47
SBT A300	14	MPa	5	mm	334	-	762	778	584,5
		Psi	725	inch	13,15	-	30,00	30,63	23,01
SBT A300	16	MPa	5	mm	385	-	838	854	648
		Psi	725	inch	15,16	-	32,99	33,62	25,51
SBT A300	18	MPa	5	mm	436	-	914	930	711,5
		Psi	725	inch	17,17	-	35,98	36,61	28,01
SBT A300	20	MPa	5	mm	487	-	991	1010	775
		Psi	725	inch	19,17	-	39,02	39,76	30,51
SBT A300	22	MPa	5	mm	538	-	1092	1114	840*
		Psi	725	inch	21,18	-	42,99	43,86	33,07
SBT A300	24	MPa	5	mm	589	-	1143	1165	914,5
		Psi	725	inch	23,19	-	45,00	45,87	36,00
SBT A300	26	MPa	5	mm	635	-	1245	1270	-
		Psi	725	inch	25,00	-	49,02	50,00	-
SBT A300	28	MPa	5	mm	686	-	1346	1372	-
		Psi	725	inch	27,01	-	52,99	54,02	-
SBT A300	30	MPa	5	mm	737	-	1397	1422	-
		Psi	725	inch	29,02	-	55,00	55,98	-
SBT A300	32	MPa	5	mm	781	-	1524	1553	-
		Psi	725	inch	30,75	-	60,00	61,14	-
SBT A300	34	MPa	5	mm	832	-	1626	1654	-
		Psi	725	inch	32,76	-	64,02	65,12	-
SBT A300	36	MPa	5	mm	876	-	1727	1756	-
		Psi	725	inch	34,49	-	67,99	69,13	-

*According to MSS SP44

SBT ANSI 300 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A300	8x6	MPa	5	mm	150	201	502	518	380
		Psi	725	inch	5,91	7,91	19,76	20,39	14,96
SBT A300	10x8	MPa	5	mm	201	252	568	584	445
		Psi	725	inch	7,91	9,92	22,36	22,99	17,52
SBT A300	12x10	MPa	5	mm	252	303	648	664	520
		Psi	725	inch	9,92	11,93	25,51	26,14	20,47
SBT A300	14x10	MPa	5	mm	252	334	762	778	584,5
		Psi	725	inch	9,92	13,15	30,00	30,63	23,01
SBT A300	16x12	MPa	5	mm	303	385	838	854	648
		Psi	725	inch	11,93	15,16	32,99	33,62	25,51
SBT A300	18x14	MPa	5	mm	334	436	914	930	711,5
		Psi	725	inch	13,15	17,17	35,98	36,61	28,01
SBT A300	20x16	MPa	5	mm	385	487	991	1010	775
		Psi	725	inch	15,16	19,17	39,02	39,76	30,51
SBT A300	24x20	MPa	5	mm	487	589	1143	1165	914,5
		Psi	725	inch	19,17	23,19	45,00	45,87	36,00
SBT A300	28x24	MPa	5	mm	589	684	1346	1372	1035*
		Psi	725	inch	23,19	26,93	52,99	54,02	40,75
SBT A300	30x24	MPa	5	mm	591	737	1397	1422	-
		Psi	725	inch	23,27	29,02	55,00	55,98	-
SBT A300	36x30	MPa	5	mm	737	876	1727	1756	-
		Psi	725	inch	29,02	34,49	67,99	69,13	-

*According to MSS SP44



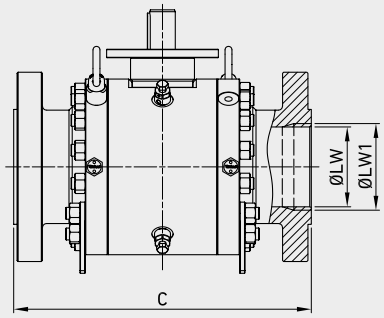
SBT ANSI 600 FB

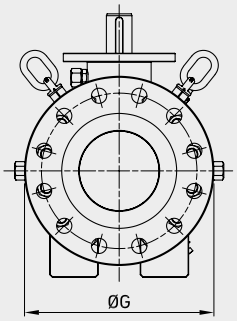
TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A600	2	MPa	10	mm	49	-	292	295	165
		Psi	1450	inch	1,93	-	11,50	11,61	6,50
SBT A600	2 1/2	MPa	10	mm	62	-	330	333	190
		Psi	1450	inch	2,44	-	12,99	13,11	7,48
SBT A600	3	MPa	10	mm	74	-	356	359	210
		Psi	1450	inch	2,91	-	14,02	14,13	8,27
SBT A600	4	MPa	10	mm	100	-	432	435	275
		Psi	1450	inch	3,94	-	17,01	17,13	10,83

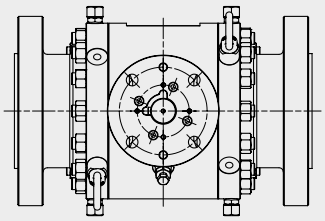
SBT ANSI 600 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A600	2x1 1/2	MPa	10	mm	38	49	292	295	165
		Psi	1450	inch	1,50	1,93	11,50	11,61	6,50
SBT A600	3x2	MPa	10	mm	49	74	356	359	210
		Psi	1450	inch	1,93	2,91	14,02	14,13	8,27
SBT A600	4x3	MPa	10	mm	74	100	432	435	275
		Psi	1450	inch	2,91	3,94	17,01	17,13	10,83
SBT A600	6x4	MPa	10	mm	100	150	559	562	355
		Psi	1450	inch	3,94	5,91	22,01	22,13	13,98

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ALSO AVAILABLE IN FULLY WELDED VERSION

ANTISTATIC DEVICE



SBT ANSI 600 FB

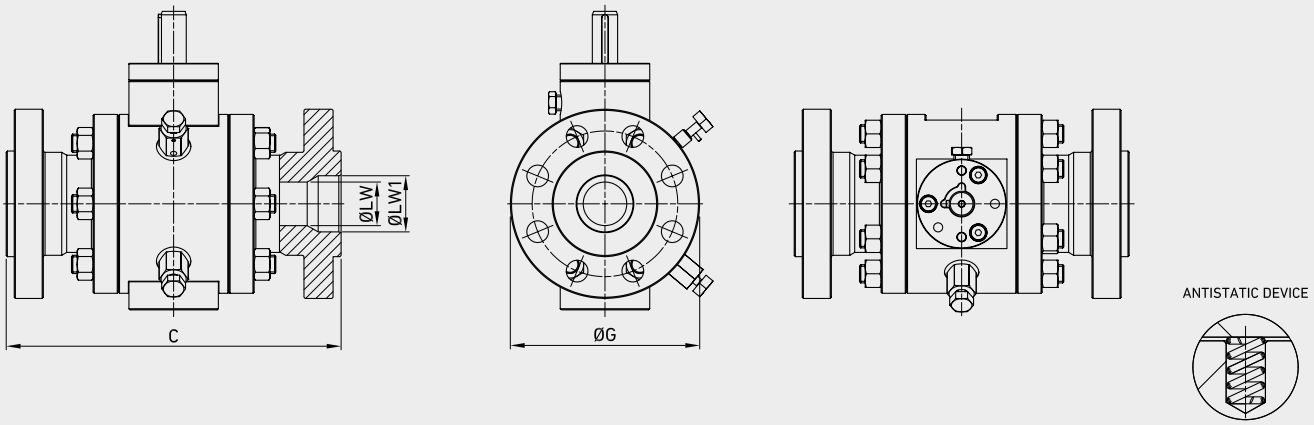
TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A600	6	MPa	10	mm	150	-	559	562	35
		Psi	1450	inch	5,91	-	22,01	22,13	1,38
SBT A600	8	MPa	10	mm	201	-	660	664	420
		Psi	1450	inch	7,91	-	25,98	26,14	16,54
SBT A600	10	MPa	10	mm	252	-	787	791	510
		Psi	1450	inch	9,92	-	30,98	31,14	20,08
SBT A600	12	MPa	10	mm	303	-	838	841	560
		Psi	1450	inch	11,93	-	32,99	33,11	22,05
SBT A600	14	MPa	10	mm	334	-	889	892	603,5
		Psi	1450	inch	13,15	-	35,00	35,12	23,76
SBT A600	16	MPa	10	mm	385	-	991	994	686
		Psi	1450	inch	15,16	-	39,02	39,13	27,01
SBT A600	18	MPa	10	mm	436	-	1092	1095	743
		Psi	1450	inch	17,17	-	42,99	43,11	29,25
SBT A600	20	MPa	10	mm	487	-	1194	1200	813
		Psi	1450	inch	19,17	-	47,01	47,24	32,01
SBT A600	22	MPa	10	mm	538	-	1295	1305	870*
		Psi	1450	inch	21,18	-	50,98	51,38	34,25
SBT A600	24	MPa	10	mm	589	-	1397	1407	940
		Psi	1450	inch	23,19	-	55,00	55,39	37,01
SBT A600	26	MPa	10	mm	635	-	1448	1461	-
		Psi	1450	inch	25,00	-	57,01	57,52	-
SBT A600	28	MPa	10	mm	686	-	1549	1562	-
		Psi	1450	inch	27,01	-	60,98	61,50	-
SBT A600	30	MPa	10	mm	737	-	1651	1664	-
		Psi	1450	inch	29,02	-	65,00	65,51	-
SBT A600	32	MPa	10	mm	781	-	1778	1794	-
		Psi	1450	inch	30,75	-	70,00	70,63	-
SBT A600	34	MPa	10	mm	832	-	1930	1946	-
		Psi	1450	inch	32,76	-	75,98	76,61	-
SBT A600	36	MPa	10	mm	876	-	2083	2099	-
		Psi	1450	inch	34,49	-	82,01	82,64	-

*According to MSS SP44

SBT ANSI 600 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A600	8x6	MPa	10	mm	150	201	660	664	420
		Psi	1450	inch	5,91	7,91	25,98	26,14	16,54
SBT A600	10x8	MPa	10	mm	201	252	787	791	510
		Psi	1450	inch	7,91	9,92	30,98	31,14	20,08
SBT A600	12x10	MPa	10	mm	252	303	838	841	560
		Psi	1450	inch	9,92	11,93	32,99	33,11	22,05
SBT A600	14x10	MPa	10	mm	252	334	889	892	603,5
		Psi	1450	inch	9,92	13,15	35,00	35,12	23,76
SBT A600	16x12	MPa	10	mm	303	385	991	994	686
		Psi	1450	inch	11,93	15,16	39,02	39,13	27,01
SBT A600	18x14	MPa	10	mm	334	436	1092	1095	743
		Psi	1450	inch	13,15	17,17	42,99	43,11	29,25
SBT A600	20x16	MPa	10	mm	385	487	1194	1200	813
		Psi	1450	inch	15,16	19,17	47,01	47,24	32,01
SBT A600	24x20	MPa	10	mm	487	589	1397	1407	940
		Psi	1450	inch	19,17	23,19	55,00	55,39	37,01
SBT A600	28x24	MPa	10	mm	589	684	1549	1562	1075*
		Psi	1450	inch	23,19	26,93	60,98	61,50	42,32
SBT A600	30x24	MPa	10	mm	591	737	1651	1664	-
		Psi	1450	inch	23,27	29,02	65,00	65,51	-
SBT A600	36x30	MPa	10	mm	737	876	2083	2099	-
		Psi	1450	inch	29,02	34,49	82,01	82,64	-

*According to MSS SP44



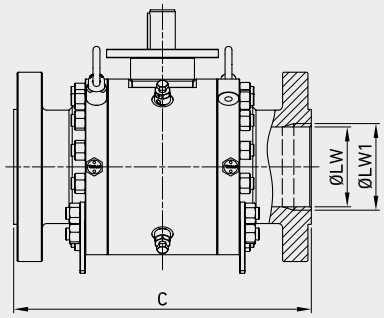
SBT ANSI 900 FB

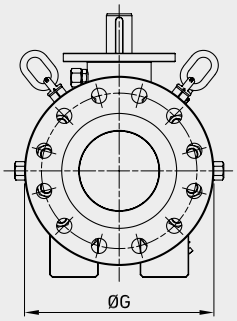
TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A900	2	MPa	15	mm	49	-	368	371	215
		Psi	2175	inch	1,93	-	14,49	14,61	8,46
SBT A900	2 1/2	MPa	15	mm	62	-	419	422	245
		Psi	2175	inch	2,44	-	16,50	16,61	9,65
SBT A900	3	MPa	15	mm	74	-	381	384	240
		Psi	2175	inch	2,91	-	15,00	15,12	9,45
SBT A900	4	MPa	15	mm	100	-	457	460	290
		Psi	2175	inch	3,94	-	17,99	18,11	11,42

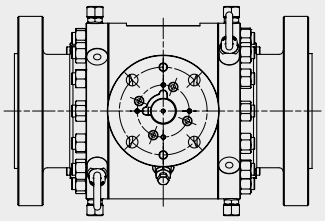
SBT ANSI 900 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A900	2x1 1/2	MPa	15	mm	38	49	368	371	215
		Psi	2175	inch	1,50	1,93	14,49	14,61	8,46
SBT A900	3x2	MPa	15	mm	49	74	381	384	240
		Psi	2175	inch	1,93	2,91	15,00	15,12	9,45
SBT A900	4x3	MPa	15	mm	74	100	457	460	290
		Psi	2175	inch	2,91	3,94	17,99	18,11	11,42
SBT A900	6x4	MPa	15	mm	100	150	610	613	380
		Psi	2175	inch	3,94	5,91	24,02	24,13	14,96

The company reserves the right to operate dimensional changes without prior notice.







ALSO AVAILABLE IN FULLY WELDED VERSION

ANTISTATIC DEVICE

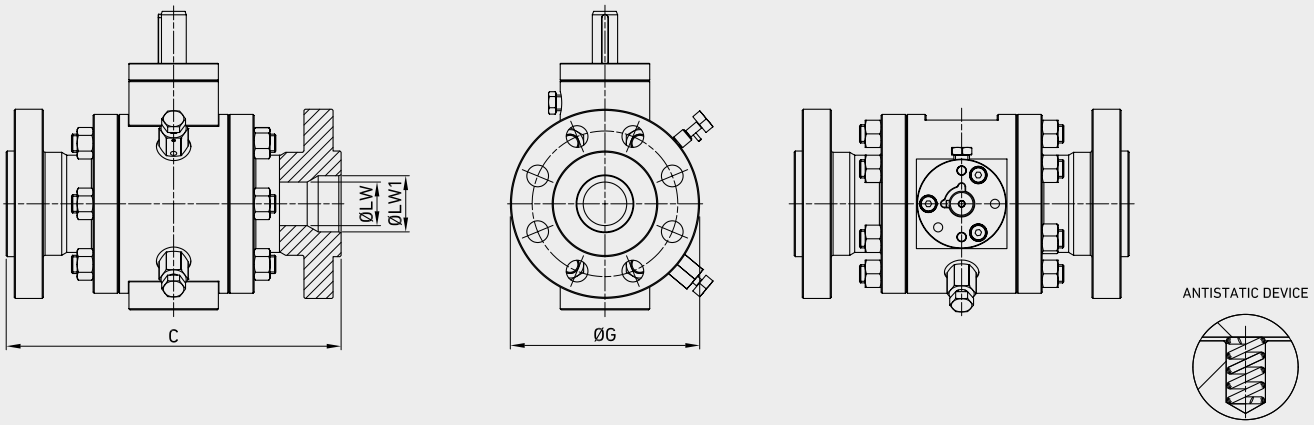


SBT ANSI 900 FB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A900	6	MPa	15	mm	150	-	610	613	380
		Psi	2175	inch	5,91	-	24,02	24,13	14,96
SBT A900	8	MPa	15	mm	201	-	737	740	470
		Psi	2175	inch	7,91	-	29,02	29,13	18,50
SBT A900	10	MPa	15	mm	252	-	838	841	545
		Psi	2175	inch	9,92	-	32,99	33,11	21,46
SBT A900	12	MPa	15	mm	303	-	965	968	610
		Psi	2175	inch	11,93	-	37,99	38,11	24,02
SBT A900	14	MPa	15	mm	322	-	1029	1038	641,5
		Psi	2175	inch	12,68	-	40,51	40,87	25,26
SBT A900	16	MPa	15	mm	373	-	1130	1140	705
		Psi	2175	inch	14,69	-	44,49	44,88	27,76
SBT A900	18	MPa	15	mm	423	-	1219	1232	787,5
		Psi	2175	inch	16,65	-	47,99	48,50	31,00
SBT A900	20	MPa	15	mm	471	-	1321	1334	857,5
		Psi	2175	inch	18,54	-	52,01	52,52	33,76
SBT A900	22	MPa	15	mm	522	-	-	-	-
		Psi	2175	inch	20,55	-	-	-	-
SBT A900	24	MPa	15	mm	570	-	1549	1568	1041,5
		Psi	2175	inch	22,44	-	60,98	61,73	41,00
SBT A900	26	MPa	15	mm	619	-	1651	1673	-
		Psi	2175	inch	24,37	-	65,00	65,87	-
SBT A900	28	MPa	15	mm	667	-	1753	1775	-
		Psi	2175	inch	26,26	-	69,02	69,88	-
SBT A900	30	MPa	15	mm	714	-	1880	1902	-
		Psi	2175	inch	28,11	-	74,02	74,88	-
SBT A900	32	MPa	15	mm	762	-	2032	2054	-
		Psi	2175	inch	30,00	-	80,00	80,87	-
SBT A900	34	MPa	15	mm	810	-	2159	2188	-
		Psi	2175	inch	31,89	-	85,00	86,14	-
SBT A900	36	MPa	15	mm	857	-	2286	2315	-
		Psi	2175	inch	33,74	-	90,00	91,14	-

SBT ANSI 900 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A900	8x6	MPa	15	mm	150	201	737	740	470
		Psi	2175	inch	5,91	7,91	29,02	29,13	18,50
SBT A900	10x8	MPa	15	mm	201	252	838	841	545
		Psi	2175	inch	7,91	9,92	32,99	33,11	21,46
SBT A900	12x10	MPa	15	mm	252	303	965	968	610
		Psi	2175	inch	9,92	11,93	37,99	38,11	24,02
SBT A900	14x10	MPa	15	mm	252	322	1029	1038	641,5
		Psi	2175	inch	9,92	12,68	40,51	40,87	25,26
SBT A900	16x12	MPa	15	mm	303	373	1130	1140	705
		Psi	2175	inch	11,93	14,69	44,49	44,88	27,76
SBT A900	18x14	MPa	15	mm	322	423	1219	1232	787,5
		Psi	2175	inch	12,68	16,65	47,99	48,50	31,00
SBT A900	20x16	MPa	15	mm	373	471	1321	1334	857,5
		Psi	2175	inch	14,69	18,54	52,01	52,52	33,76
SBT A900	24x20	MPa	15	mm	471	570	1549	1568	1041,5
		Psi	2175	inch	18,54	22,44	60,98	61,73	41,00
SBT A900	28x24	MPa	15	mm	570	665	-	-	-
		Psi	2175	inch	22,44	26,18	-	-	-
SBT A900	30x24	MPa	15	mm	572	714	1880	1902	-
		Psi	2175	inch	22,52	28,11	74,02	74,88	-
SBT A900	36x30	MPa	15	mm	714	857	2286	2315	-
		Psi	2175	inch	28,11	33,74	90,00	91,14	-



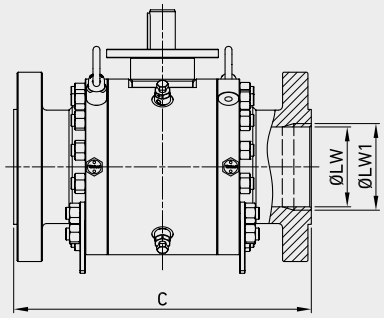
SBT ANSI 1500 FB

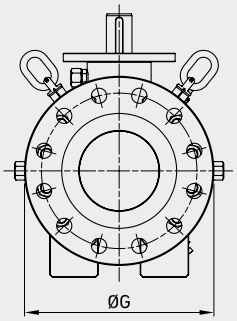
TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A1500	2	MPa	25	mm	49	-	368	371	215
		Psi	3625	inch	1,93	-	14,49	14,61	8,46
SBT A1500	2 1/2	MPa	25	mm	62	-	419	422	245
		Psi	3625	inch	2,44	-	16,50	16,61	9,65
SBT A1500	3	MPa	25	mm	74	-	470	473	265
		Psi	3625	inch	2,91	-	18,50	18,62	10,43
SBT A1500	4	MPa	25	mm	100	-	546	549	310
		Psi	3625	inch	3,94	-	21,50	21,61	12,20

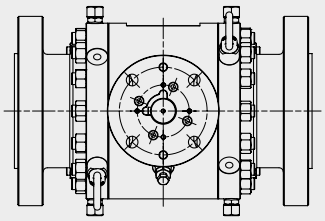
SBT ANSI 1500 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A1500	2x1 1/2	MPa	25	mm	38	49	368	371	215
		Psi	3625	inch	1,50	1,93	14,49	14,61	8,46
SBT A1500	3x2	MPa	25	mm	49	74	470	473	265
		Psi	3625	inch	1,93	2,91	18,50	18,62	10,43
SBT A1500	4x3	MPa	25	mm	74	100	546	549	310
		Psi	3625	inch	2,91	3,94	21,50	21,61	12,20
SBT A1500	6x4	MPa	25	mm	100	144	705	711	395
		Psi	3625	inch	3,94	5,67	27,76	27,99	15,55

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ALSO AVAILABLE IN FULLY WELDED VERSION

ANTISTATIC DEVICE

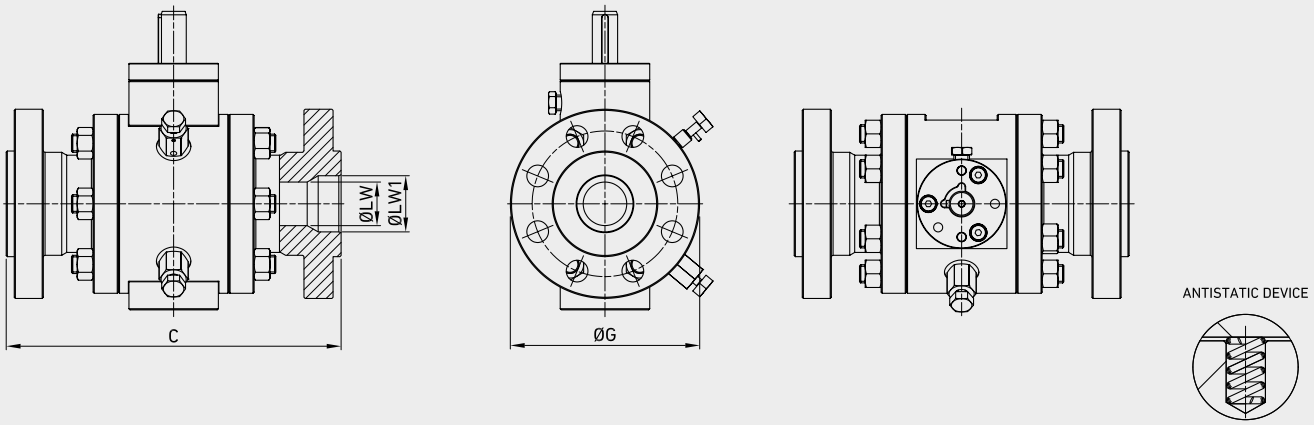


SBT ANSI 1500 FB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A1500	6	MPa	25	mm	144	-	705	711	395
		Psi	3625	inch	5,67	-	27,76	27,99	15,55
SBT A1500	8	MPa	25	mm	192	-	832	841	485
		Psi	3625	inch	7,56	-	32,76	33,11	19,09
SBT A1500	10	MPa	25	mm	239	-	991	1000	585
		Psi	3625	inch	9,41	-	39,02	39,37	23,03
SBT A1500	12	MPa	25	mm	287	-	1130	1146	675
		Psi	3625	inch	11,30	-	44,49	45,12	26,57
SBT A1500	14	MPa	25	mm	315	-	1257	1276	749,5
		Psi	3625	inch	12,40	-	49,49	50,24	29,51
SBT A1500	16	MPa	25	mm	360	-	1384	1407	825,5
		Psi	3625	inch	14,17	-	54,49	55,39	32,50
SBT A1500	18	MPa	25	mm	406	-	1537	1559	914,5
		Psi	3625	inch	15,98	-	60,51	61,38	36,00
SBT A1500	20	MPa	25	mm	454	-	1664	1686	984,5
		Psi	3625	inch	17,87	-	65,51	66,38	38,76
SBT A1500	22	MPa	25	mm	500	-		-	-
		Psi	3625	inch	19,69	-	-	-	-
SBT A1500	24	MPa	25	mm	546	-	-	1972	1168,5
		Psi	3625	inch	21,50	-	-	77,64	46,00

SBT ANSI 1500 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A1500	8x6	MPa	25	mm	144	192	832	841	485
		Psi	3625	inch	5,67	7,56	32,76	33,11	19,09
SBT A1500	10x8	MPa	25	mm	192	239	991	1000	585
		Psi	3625	inch	7,56	9,41	39,02	39,37	23,03
SBT A1500	12x10	MPa	25	mm	239	287	1130	1146	675
		Psi	3625	inch	9,41	11,30	44,49	45,12	26,57
SBT A1500	14x10	MPa	25	mm	239	315	1257	1276	749,5
		Psi	3625	inch	9,41	12,40	49,49	50,24	29,51
SBT A1500	16x12	MPa	25	mm	287	360	1384	1407	825,5
		Psi	3625	inch	11,30	14,17	54,49	55,39	32,50
SBT A1500	18x14	MPa	25	mm	315	406	1537	1559	914,5
		Psi	3625	inch	12,40	15,98	60,51	61,38	36,00
SBT A1500	20x16	MPa	25	mm	360	454	1664	1668	984,5
		Psi	3625	inch	14,17	17,87	65,51	65,67	38,76
SBT A1500	24x20	MPa	25	mm	454	546	-	1972	1168,5
		Psi	3625	inch	17,87	21,50	-	77,64	46,00
SBT A1500	28x24	MPa	25	mm	546	641	-		
		Psi	3625	inch	21,50	25,24	-	-	-
SBT A1500	30x24	MPa	25	mm	546	686	-	-	-
		Psi	3625	inch	21,50	27,01	-	-	-



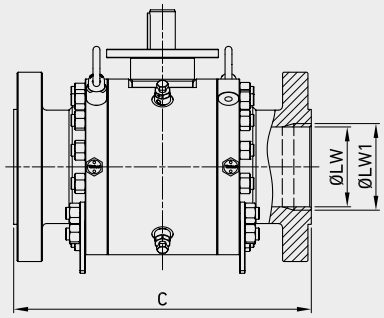
SBT ANSI 2500 FB

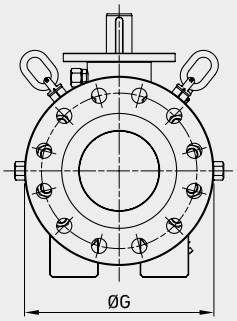
TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A2500	2	MPa	42	mm	42	-	451	454	235
		Psi	6090	inch	1,65	-	17,76	17,87	9,25
SBT A2500	2 1/2	MPa	42	mm	52	-	508	514	265
		Psi	6090	inch	2,05	-	20,00	20,24	10,43
SBT A2500	3	MPa	42	mm	62	-	578	584	305
		Psi	6090	inch	2,44	-	22,76	22,99	12,01
SBT A2500	4	MPa	42	mm	87	-	673	683	355
		Psi	6090	inch	3,43	-	26,50	26,89	13,98

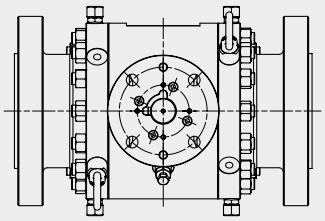
SBT ANSI 2500 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A2500	2x1 1/2	MPa	42	mm	38	42	451	454	235
		Psi	6090	inch	1,50	1,65	17,76	17,87	9,25
SBT A2500	3x2	MPa	42	mm	42	62	578	584	305
		Psi	6090	inch	1,65	2,44	22,76	22,99	12,01
SBT A2500	4x3	MPa	42	mm	62	87	673	683	355
		Psi	6090	inch	2,44	3,43	26,50	26,89	13,98
SBT A2500	6x4	MPa	42	mm	87	131	914	927	485
		Psi	6090	inch	3,43	5,16	35,98	36,50	19,09

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ALSO AVAILABLE IN FULLY WELDED VERSION

ANTISTATIC DEVICE



SBT ANSI 2500 FB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A2500	6	MPa	42	mm	131	-	914	927	485
		Psi	6090	inch	5,16	-	35,98	36,50	19,09
SBT A2500	8	MPa	42	mm	179	-	1022	1038	550
		Psi	6090	inch	7,05	-	40,24	40,87	21,65
SBT A2500	10	MPa	42	mm	223	-	1270	1294	675
		Psi	6090	inch	8,78	-	50,00	50,94	26,57
SBT A2500	12	MPa	42	mm	265	-	1422	1445	760
		Psi	6090	inch	10,43	-	55,98	56,89	29,92
SBT A2500	14	MPa	42	mm	292	-	-	-	-
		Psi	6090	inch	11,50	-	-	-	-
SBT A2500	16	MPa	42	mm	333	-	-	-	-
		Psi	6090	inch	13,11	-	-	-	-
SBT A2500	18	MPa	42	mm	374	-	-	-	-
		Psi	6090	inch	14,72	-	-	-	-
SBT A2500	20	MPa	42	mm	419	-	-	-	-
		Psi	6090	inch	16,50	-	-	-	-

SBT ANSI 2500 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG
SBT A2500	8x6	MPa	42	mm	131	179	1022	1038	550
		Psi	6090	inch	5,16	7,05	40,24	40,87	21,65
SBT A2500	10x8	MPa	42	mm	179	223	1270	1292	675
		Psi	6090	inch	7,05	8,78	50,00	50,87	26,57
SBT A2500	12x10	MPa	42	mm	223	265	1422	1445	760
		Psi	6090	inch	8,78	10,43	55,98	56,89	29,92
SBT A2500	14x10	MPa	42	mm	223	292	-	-	-
		Psi	6090	inch	8,78	11,50	-	-	-
SBT A2500	16x12	MPa	42	mm	265	333	-	-	-
		Psi	6090	inch	10,43	13,11	-	-	-
SBT A2500	18x14	MPa	42	mm	292	374	-	-	-
		Psi	6090	inch	11,50	14,72	-	-	-
SBT A2500	20x16	MPa	42	mm	333	419	-	-	-
		Psi	6090	inch	13,11	16,50	-	-	-

DBB

DOUBLE BLOCK AND BLEED

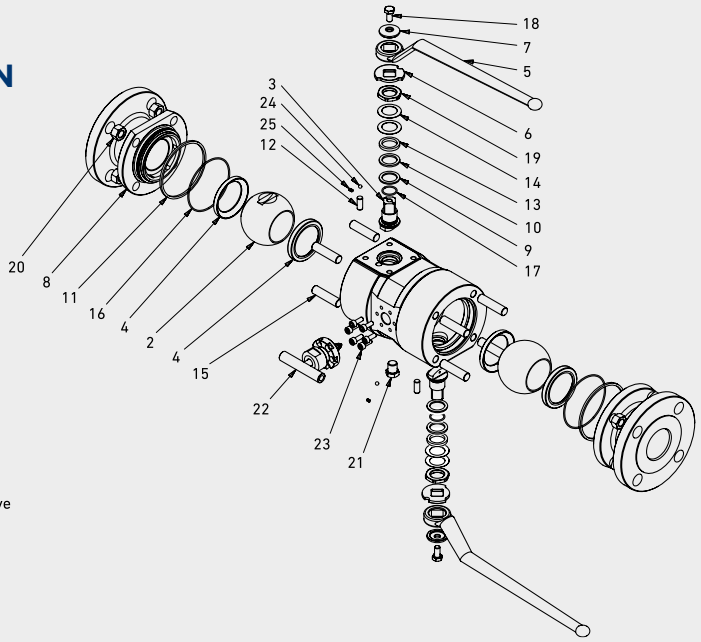
Edition. 21.0

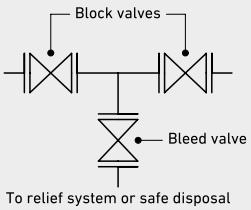
CS Carbon Steel

SS Stainless Steel

- **CS, SS, DSS, ALLOY (Forged)**
- Type: ball valve Double Block and Bleed
- Sizes: from DN13 up to DN200
- Pressure: ANSI 150-2500
- Temperature: from -50° up to +200° (depending on materials selected)'

STANDARD COMPOSITION OF VALVE





POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
1	Body	1	ASTM A350 LF2	ASTM A479 Tp.316
2	Ball	2	ASTM A479 Tp.316	ASTM A479 Tp.316
3	Stem	2	ASTM A479 Tp.316	ASTM A479 Tp.316
4	Ball seat	4	RPTFE	RPTFE
5	Handle	2	Fe37	Fe37
6	Washer	2	AISI 316	AISI 316
7	Washer	2	AISI 316	AISI 316
8	Flange	2	ASTM A350 LF2	ASTM A479 Tp.316
9	Stem ring	2	PTFE	PTFE
10	Stem ring	2	Graphite	Graphite
11	Flange ring	2	Graphite	Graphite
12	Pin	2	AISI 316	AISI 316

POS	DESCRIPTION	Q.TY	CS Carbon Steel	SS Stainless Steel
			MATERIAL	
13	Stem ring	2	AISI 316	AISI 316
14	Spring	4	AISI 316	AISI 316
15	Bolts	8	ASTM A320 L7M	ASTM A193 B8M CL2
16	O-ring	2	FKM	FKM
17	O-ring	2	FKM	FKM
18	Screw	2	ISO 4017 A4	ISO 4017 A4
19	Nut	2	AISI 316	AISI 316
20	Nut	8	ASTM A194 Gr.7M	ASTM A194 Gr.8M
21	Plug	1	AISI 316	AISI 316
22	Bleeder bonnet	1	AISI 316	AISI 316
23	Spring	2	AISI 316	AISI 316
24	Antistatic ball	2	AISI 316	AISI 316





CODE DESCRIPTION STRUCTURE

DBB	ANSI600	2"	DN50	FB	LF2	F316	RPTFE	FKM	RF

Type and way of valve

DBB Double block and bleed

Valves dimension of pressure (LBS)

ANSI150
ANSI300
ANSI600
ANSI900
ANSI1500
ANSI2500

Sizes

from 1/2" to 8"

Sizes

from DN13 to DN200

Bore

FB full bore
RB reduce bore

Body material

● A105* LF2
● F316

Stem material

● F316 A105* LF2* F51*
● F316 F51*

Ball seat material

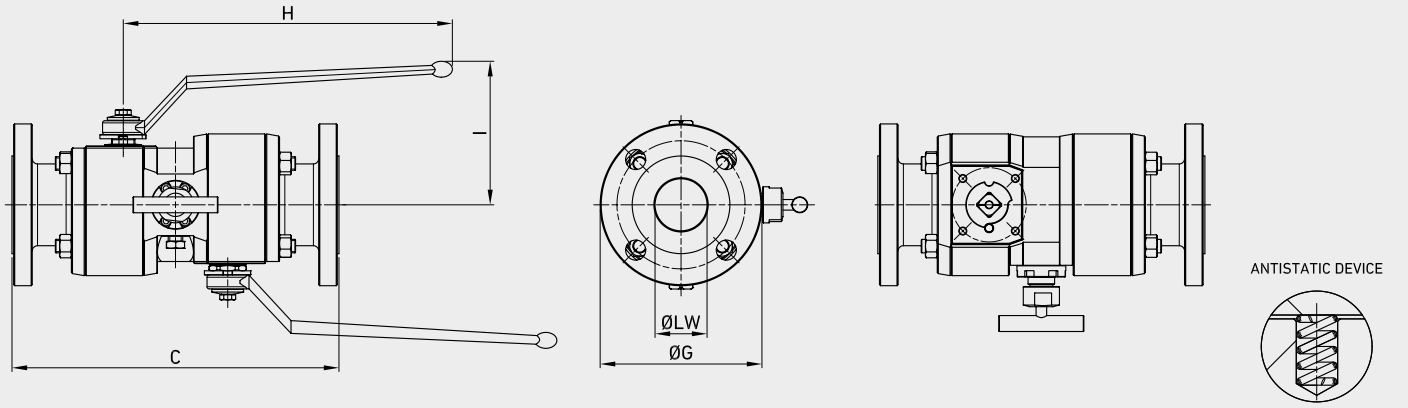
RPTFE PEEK* POM* DEVLON* MET-TO-MET*

Adapter and stem seal material

FKM NBR* EPDM* MVQ*

Flanged

RF RTJ* BW* FF*



DBB 150 FB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	1/2	MPa	2	mm	13	-	194,4	214,2	90	225	110
		Psi	290	inch	0,51	-	7,65	8,43	3,54	8,86	4,33
FLOATING	3/4	MPa	2	mm	20	-	210,6	234	100	228	112
		Psi	290	inch	0,79	-	8,29	9,21	3,94	8,98	4,41
FLOATING	1	MPa	2	mm	25	-	228,6	252	110	233	116
		Psi	290	inch	0,98	-	9,00	9,92	4,33	9,17	4,57
FLOATING	1 1/2	MPa	2	mm	38	-	297	320,4	125	305	135
		Psi	290	inch	1,50	-	11,69	12,61	4,92	12,01	5,31
FLOATING	2	MPa	2	mm	49	-	320,4	343,8	150	310	145
		Psi	290	inch	1,93	-	12,61	13,54	5,91	12,20	5,71
FLOATING	3	MPa	2	mm	74	-	365,4	388,8	190	520	190
		Psi	290	inch	2,91	-	14,39	15,31	7,48	20,47	7,48
FLOATING	4	MPa	2	mm	95	-	412,2	435,6	230	535	210
		Psi	290	inch	3,74	-	16,23	17,15	9,06	21,06	8,27
FLOATING	6	MPa	2	mm	150	-	709,2	732,6	280	-	250
		Psi	290	inch	5,91	-	27,92	28,84	11,02	-	9,84
TRUNNION	8	MPa	2	mm	201	-	822,6	846	345	-	280
		Psi	290	inch	7,91	-	32,39	33,31	13,58	-	11,02
TRUNNION	10	MPa	2	mm	252	-	-	-	-	-	-
		Psi	290	inch	9,92	-	-	-	-	-	-

DBB 150 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	3/4 x 1/2	MPa	2	mm	13	20	210,6	234	100	225	110
		Psi	290	inch	0,51	0,79	8,29	9,21	3,94	8,86	4,33
FLOATING	1 x 3/4	MPa	2	mm	20	25	228,6	252	110	228	112
		Psi	290	inch	0,79	0,98	9,00	9,92	4,33	8,98	4,41
FLOATING	1 1/2 x 1	MPa	2	mm	25	38	297	320,4	125	233	116
		Psi	290	inch	0,98	1,50	11,69	12,61	4,92	9,17	4,57
FLOATING	2 x 1 1/2	MPa	2	mm	38	49	320,4	343,8	150	305	135
		Psi	290	inch	1,50	1,93	12,61	13,54	5,91	12,01	5,31
FLOATING	3x2	MPa	2	mm	49	74	365,4	388,8	190	310	145
		Psi	290	inch	1,93	2,91	14,39	15,31	7,48	12,20	5,71
FLOATING	4x3	MPa	2	mm	74	95	412,2	435,6	230	520	190
		Psi	290	inch	2,91	3,74	16,23	17,15	9,06	20,47	7,48
FLOATING	6x4	MPa	2	mm	95	150	709,2	732,6	280	535	210
		Psi	290	inch	3,74	5,91	27,92	28,84	11,02	21,06	8,27
FLOATING	8x6	MPa	2	mm	150	201	822,6	846	345	870	250
		Psi	290	inch	5,91	7,91	32,39	33,31	13,58	34,25	9,84

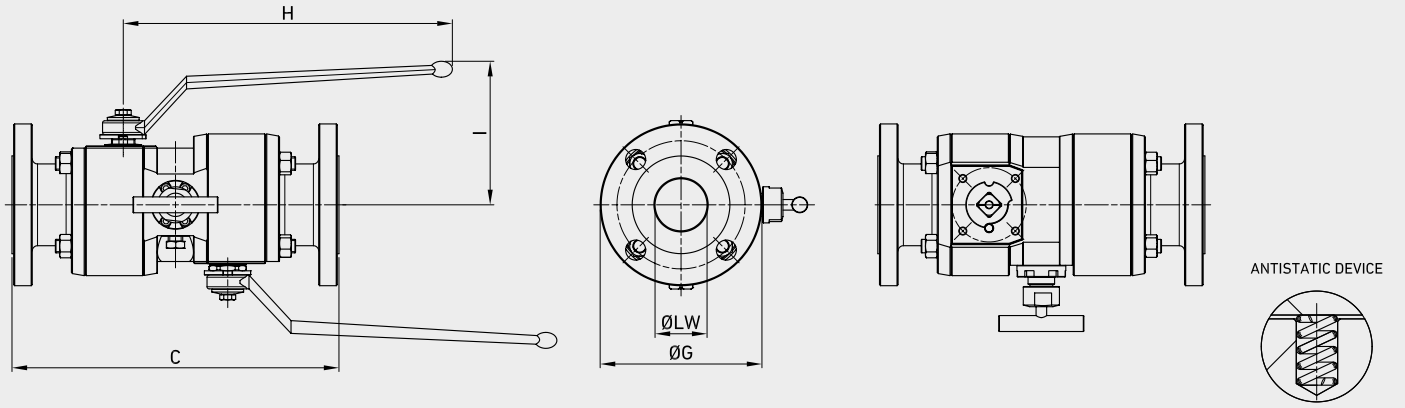
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DBB 300 FB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	1/2	MPa	5	mm	13	-	252	271,8	95	225	110
		Psi	725	inch	0,51	-	9,92	10,70	3,74	8,86	4,33
FLOATING	3/4	MPa	5	mm	20	-	273,6	297	115	228	112
		Psi	725	inch	0,79	-	10,77	11,69	4,53	8,98	4,41
FLOATING	1	MPa	5	mm	25	-	297	320,4	125	233	116
		Psi	725	inch	0,98	-	11,69	12,61	4,92	9,17	4,57
FLOATING	1 1/2	MPa	5	mm	38	-	343,8	365,4	155	305	135
		Psi	725	inch	1,50	-	13,54	14,39	6,10	12,01	5,31
FLOATING	2	MPa	5	mm	49	-	388,8	417,6	165	310	145
		Psi	725	inch	1,93	-	15,31	16,44	6,50	12,20	5,71
FLOATING	3	MPa	5	mm	74	-	509,4	538,2	210	520	190
		Psi	725	inch	2,91	-	20,06	21,19	8,27	20,47	7,48
FLOATING	4	MPa	5	mm	95	-	549	577,8	255	535	210
		Psi	725	inch	3,74	-	21,61	22,75	10,04	21,06	8,27
FLOATING	6	MPa	5	mm	150	-	725,4	754,2	320	-	250
		Psi	725	inch	5,91	-	28,56	29,69	12,60	-	9,84
TRUNNION	8	MPa	5	mm	201	-	903,6	932,4	380	-	280
		Psi	725	inch	7,91	-	35,57	36,71	14,96	-	11,02
TRUNNION	10	MPa	5	mm	252	-	1022,4	1051,2	445	-	-
		Psi	725	inch	9,92	-	40,25	41,39	17,52	-	-

DBB 300 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	3/4 x 1/2	MPa	5	mm	13	20	273,6	297	115	225	110
		Psi	725	inch	0,51	0,79	10,77	11,69	4,53	8,86	4,33
FLOATING	1 x 3/4	MPa	5	mm	20	25	297	267	125	228	112
		Psi	725	inch	0,79	0,98	11,69	10,51	4,92	8,98	4,41
FLOATING	1 1/2 x 1	MPa	5	mm	25	38	343,8	365,4	155	233	116
		Psi	725	inch	0,98	1,50	13,54	14,39	6,10	9,17	4,57
FLOATING	2 x 1 1/2	MPa	5	mm	38	49	388,8	417,6	165	305	135
		Psi	725	inch	1,50	1,93	15,31	16,44	6,50	12,01	5,31
FLOATING	3x2	MPa	5	mm	49	74	509,4	538,2	210	310	145
		Psi	725	inch	1,93	2,91	20,06	21,19	8,27	12,20	5,71
FLOATING	4x3	MPa	5	mm	74	95	549	577,8	255	520	190
		Psi	725	inch	2,91	3,74	21,61	22,75	10,04	20,47	7,48
FLOATING	6x4	MPa	5	mm	95	150	725,4	754,2	320	535	210
		Psi	725	inch	3,74	5,91	28,56	29,69	12,60	21,06	8,27
FLOATING	8x6	MPa	5	mm	150	201	903,6	932,2	380	-	250
		Psi	725	inch	5,91	7,91	35,57	36,70	14,96	-	9,84



DBB 600 FB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	1/2	MPa	10	mm	13	-	228	226	95	225	110
		Psi	1450	inch	0,51	-	8,98	8,90	3,74	8,86	4,33
FLOATING	3/4	MPa	10	mm	20	-	234	234	115	228	112
		Psi	1450	inch	0,79	-	9,21	9,21	4,53	8,98	4,41
FLOATING	1	MPa	10	mm	25	-	252	252	125	233	116
		Psi	1450	inch	0,98	-	9,92	9,92	4,92	9,17	4,57
FLOATING	1 1/2	MPa	10	mm	38	-	325	325	155	305	135
		Psi	1450	inch	1,50	-	12,80	12,80	6,10	12,01	5,31
FLOATING	2	MPa	10	mm	49	-	353	356	165	310	145
		Psi	1450	inch	1,93	-	13,90	14,02	6,50	12,20	5,71
FLOATING	3	MPa	10	mm	74	-	462	465	210	520	190
		Psi	1450	inch	2,91	-	18,19	18,31	8,27	20,47	7,48
FLOATING	4	MPa	10	mm	95	-	697	700	275	-	197
		Psi	1450	inch	3,74	-	27,44	27,56	10,83	-	7,76
FLOATING	6	MPa	10	mm	150	-	877	880	355	-	250
		Psi	1450	inch	5,91	-	34,53	34,65	13,98	-	9,84
TRUNNION	8	MPa	10	mm	201	-	1050	1053	420	-	290
		Psi	1450	inch	7,91	-	41,34	41,46	16,54	-	11,42
TRUNNION	10	MPa	10	mm	252	-	1259,2	1265,6	510	-	-
		Psi	1450	inch	9,92	-	49,57	49,83	20,08	-	-

DBB 600 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	3/4 x1/2	MPa	10	mm	13	20	230	230	115	225	110
		Psi	1450	inch	0,51	0,79	9,06	9,06	4,53	8,86	4,33
FLOATING	1 x 3/4	MPa	10	mm	20	25	238	238	125	228	112
		Psi	1450	inch	0,79	0,98	9,37	9,37	4,92	8,98	4,41
FLOATING	1 1/2 x 1	MPa	10	mm	25	38	262	262	155	233	116
		Psi	1450	inch	0,98	1,50	10,31	10,31	6,10	9,17	4,57
FLOATING	2 x 1 1/2	MPa	10	mm	38	49	332	338	165	305	135
		Psi	1450	inch	1,50	1,93	13,07	13,31	6,50	12,01	5,31
FLOATING	3x2	MPa	10	mm	49	74	368	371	210	310	145
		Psi	1450	inch	1,93	2,91	14,49	14,61	8,27	12,20	5,71
FLOATING	4x3	MPa	10	mm	74	95	477	480	275	520	190
		Psi	1450	inch	2,91	3,74	18,78	18,90	10,83	20,47	7,48
FLOATING	6x4	MPa	10	mm	95	150	727	730	355	-	197
		Psi	1450	inch	3,74	5,91	28,62	28,74	13,98	-	7,76
FLOATING	8x6	MPa	10	mm	150	201	907	910	420	-	250
		Psi	1450	inch	5,91	7,91	35,71	35,83	16,54	-	9,84

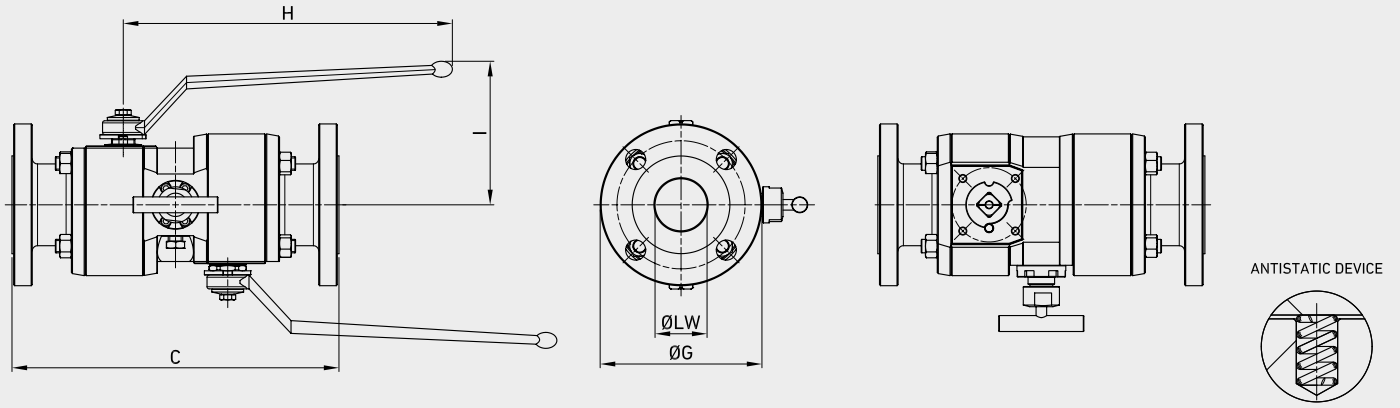
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DBB 900 FB

TYPE	INCH	PN		ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	1/2	MPa	15	mm	13	-	276	276	120	225	112
		Psi	2175	inch	0,51	-	10,87	10,87	4,72	8,86	4,41
FLOATING	3/4	MPa	15	mm	20	-	287	287	130	228	114
		Psi	2175	inch	0,79	-	11,30	11,30	5,12	8,98	4,49
FLOATING	1	MPa	15	mm	25	-	330	330	150	295	122
		Psi	2175	inch	0,98	-	12,99	12,99	5,91	11,61	4,80
FLOATING	1 1/2	MPa	15	mm	38	-	400	400	180	410	155
		Psi	2175	inch	1,50	-	15,75	15,75	7,09	16,14	6,10
FLOATING	2	MPa	15	mm	49	-	464	467	215	415	162
		Psi	2175	inch	1,93	-	18,27	18,39	8,46	16,34	6,38
FLOATING	3	MPa	15	mm	74	-	647	650	240	-	180
		Psi	2175	inch	2,91	-	25,47	25,59	9,45	-	7,09
FLOATING	4	MPa	15	mm	95	-	747	750	290	-	220
		Psi	2175	inch	3,74	-	29,41	29,53	11,42	-	8,66
FLOATING	6	MPa	15	mm	150	-	977	980	380	-	260
		Psi	2175	inch	5,91	-	38,46	38,58	14,96	-	10,24
TRUNNION	8	MPa	15	mm	201	-	1197	1200	470	-	300
		Psi	2175	inch	7,91	-	47,13	47,24	18,50	-	11,81
TRUNNION	10	MPa	15	mm	252	-	1340,8	1513,8	545	-	-
		Psi	2175	inch	9,92	-	52,79	59,60	21,46	-	-

DBB 900 RB

TYPE	INCH	PN		ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	3/4 x 1/2	MPa	15	mm	13	20	282	282	130	225	112
		Psi	2175	inch	0,51	0,79	11,10	11,10	5,12	8,86	4,41
FLOATING	1 x 3/4	MPa	15	mm	20	25	295	295	150	228	114
		Psi	2175	inch	0,79	0,98	11,61	11,61	5,91	8,98	4,49
FLOATING	1 1/2 x 1	MPa	15	mm	25	38	340	340	180	295	122
		Psi	2175	inch	0,98	1,50	13,39	13,39	7,09	11,61	4,80
FLOATING	2 x 1 1/2	MPa	15	mm	38	49	412	415	215	410	155
		Psi	2175	inch	1,50	1,93	16,22	16,34	8,46	16,14	6,10
FLOATING	3x2	MPa	15	mm	49	74	442	445	240	415	162
		Psi	2175	inch	1,93	2,91	17,40	17,52	9,45	16,34	6,38
FLOATING	4x3	MPa	15	mm	74	95	662	665	290	-	180
		Psi	2175	inch	2,91	3,74	26,06	26,18	11,42	-	7,09
FLOATING	6x4	MPa	15	mm	95	150	772	775	380	-	220
		Psi	2175	inch	3,74	5,91	30,39	30,51	14,96	-	8,66
TRUNNION	8x6	MPa	15	mm	150	201	1017	1020	470	-	260
		Psi	2175	inch	5,91	7,91	40,04	40,16	18,50	-	10,24



DBB 1500 FB

TYPE	INCH	PN		ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	1/2	MPa	25	mm 13	-	276	276	120	225	112
		Psi	3625	inch 0,51	-	10,87	10,87	4,72	8,86	4,41
FLOATING	3/4	MPa	25	mm 20	-	287	287	130	228	114
		Psi	3625	inch 0,79	-	11,30	11,30	5,12	8,98	4,49
FLOATING	1	MPa	25	mm 25	-	330	330	150	295	122
		Psi	3625	inch 0,98	-	12,99	12,99	5,91	11,61	4,80
FLOATING	1 1/2	MPa	25	mm 38	-	400	400	180	410	155
		Psi	3625	inch 1,50	-	15,75	15,75	7,09	16,14	6,10
FLOATING	2	MPa	25	mm 49	-	464	467	215	415	162
		Psi	3625	inch 1,93	-	18,27	18,39	8,46	16,34	6,38
FLOATING	3	MPa	25	mm 74	-	697	700	265	-	180
		Psi	3625	inch 2,91	-	27,44	27,56	10,43	-	7,09
FLOATING	4	MPa	25	mm 95	-	827	830	310	-	220
		Psi	3625	inch 3,74	-	32,56	32,68	12,20	-	8,66
FLOATING	6	MPa	25	mm 144	-	1084	1090	395	-	270
		Psi	3625	inch 5,67	-	42,68	42,91	15,55	-	10,63
TRUNNION	8	MPa	25	mm 192	-	1340	1350	485	-	310
		Psi	3625	inch 7,56	-	52,76	53,15	19,09	-	12,20
TRUNNION	10	MPa	25	mm 239	-	1585,6	1600	585	-	-
		Psi	3625	inch 9,41	-	62,43	62,99	23,03	-	-

DBB 1500 RB

TYPE	INCH	PN		ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	3/4 x 1/2	MPa	25	mm 13	20	282	282	130	225	112
		Psi	3625	inch 0,51	0,79	11,10	11,10	5,12	8,86	4,41
FLOATING	1 x 3/4	MPa	25	mm 20	25	295	295	150	228	114
		Psi	3625	inch 0,79	0,98	11,61	11,61	5,91	8,98	4,49
FLOATING	1 1/2 x 1	MPa	25	mm 25	38	340	340	180	295	122
		Psi	3625	inch 0,98	1,50	13,39	13,39	7,09	11,61	4,80
FLOATING	2 x 1 1/2	MPa	25	mm 38	49	412	415	215	410	155
		Psi	3625	inch 1,50	1,93	16,22	16,34	8,46	16,14	6,10
FLOATING	3x2	MPa	25	mm 49	74	737	740	265	415	162
		Psi	3625	inch 1,93	2,91	29,02	29,13	10,43	16,34	6,38
FLOATING	4x3	MPa	25	mm 74	95	894	900	310	-	180
		Psi	3625	inch 2,91	3,74	35,20	35,43	12,20	-	7,09
FLOATING	6x4	MPa	25	mm 95	144	1120	1130	395	-	220
		Psi	3625	inch 3,74	5,67	44,09	44,49	15,55	-	8,66
TRUNNION	8x6	MPa	25	mm 144	192	-	-	485	-	270
		Psi	3625	inch 5,67	7,56	-	-	19,09	-	10,63

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DBB 2500 FB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	1/2	MPa	42	mm	13	-	291	291	135	225	112
		Psi	6090	inch	0,51	-	11,46	11,46	5,31	8,86	4,41
FLOATING	3/4	MPa	42	mm	20	-	300	300	140	228	114
		Psi	6090	inch	0,79	-	11,81	11,81	5,51	8,98	4,49
FLOATING	1	MPa	42	mm	25	-	350	350	160	295	122
		Psi	6090	inch	0,98	-	13,78	13,78	6,30	11,61	4,80
FLOATING	1 1/2	MPa	42	mm	38	-	565	565	205	-	100
		Psi	6090	inch	1,50	-	22,24	22,24	8,07	-	3,94
FLOATING	2	MPa	42	mm	42	-	652	655	235	-	125
		Psi	6090	inch	1,65	-	25,67	25,79	9,25	-	4,92
FLOATING	3	MPa	42	mm	62	-	864	870	305	-	190
		Psi	6090	inch	2,44	-	34,02	34,25	12,01	-	7,48
FLOATING	4	MPa	42	mm	87	-	990	1000	355	-	240
		Psi	6090	inch	3,43	-	38,98	39,37	13,98	-	9,45
FLOATING	6	MPa	42	mm	131	-	1317	1330	485	-	280
		Psi	6090	inch	5,16	-	51,85	52,36	19,09	-	11,02
TRUNNION	8	MPa	42	mm	179	-	1484	1500	550	-	380
		Psi	6090	inch	7,05	-	58,43	59,06	21,65	-	14,96
TRUNNION	10	MPa	42	mm	223	-	1905	1941	675	-	-
		Psi	6090	inch	8,78	-	75,00	76,42	26,57	-	-

DBB 2500 RB

TYPE	INCH	PN			ØLW	ØLW1	C RF	C RTJ	ØG	H	I
FLOATING	3/4 x 1/2	MPa	42	mm	13	20	294	294	140	225	112
		Psi	6090	inch	0,51	0,79	11,57	11,57	5,51	8,86	4,41
FLOATING	1 x 3/4	MPa	42	mm	20	25	310	310	160	228	114
		Psi	6090	inch	0,79	0,98	12,20	12,20	6,30	8,98	4,49
FLOATING	1 1/2 x 1	MPa	42	mm	25	38	370	373	205	295	122
		Psi	6090	inch	0,98	1,50	14,57	14,69	8,07	11,61	4,80
FLOATING	2 x 1 1/2	MPa	42	mm	38	42	577	580	235	-	100
		Psi	6090	inch	1,50	1,65	22,72	22,83	9,25	-	3,94
FLOATING	3x2	MPa	42	mm	42	62	694	700	305	-	125
		Psi	6090	inch	1,65	2,44	27,32	27,56	12,01	-	4,92
FLOATING	4x3	MPa	42	mm	62	87	890	900	355	-	190
		Psi	6090	inch	2,44	3,43	35,04	35,43	13,98	-	7,48
FLOATING	6x4	MPa	42	mm	87	131	1067	1080	485	-	240
		Psi	6090	inch	3,43	5,16	42,01	42,52	19,09	-	9,45
TRUNNION	8x6	MPa	42	mm	131	179	1384	1400	675	-	280
		Psi	6090	inch	5,16	7,05	54,49	55,12	26,57	-	11,02


FIRE



KITS

GEMELS, with its product package, also provides to its customers Spare Parts, such as levers, locking devices, actuators and limit switches. In this way, **GEMELS** supplies a complete package and is able to provide a service to customers from all over the world, especially thanks to its knowledge of the field and of the multiple applications.

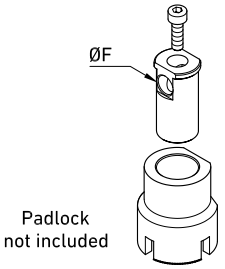
LOCKING DEVICE

Edition. 21.1

- **LKB** FOR GM - GN
- **LKF** FOR GE - GB - GHP - GPK
- **LKR** FOR GR
- **SECURITY BLOCK** FOR GE - GB GHP - GPK (except DN6) - G3/4K
- **LKS** FOR SBF - SBF-W



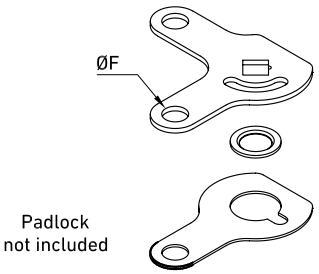




LKB FOR GM - GN

TYPE	DN		SW	ØF	MATERIAL	TREATMENT	WEIGHT		ITEM CODE
LK6-B	6-10-13	mm	9	9,5	CARBON STEEL	GALVANIZED	kg	0,178	KMK00LK6B2Z
		inch	0,35	0,37			lb	0,39	
LK6-B	6-10-13	mm	9	9,5	STAINLESS STEEL	-	kg	0,178	KMK00LK6B6H
		inch	0,35	0,37			lb	0,39	
LK20-B	20-25	mm	14	10,5	CARBON STEEL	GALVANIZED	kg	0,413	KMK00LK20B2Z
		inch	0,55	0,41			lb	0,91	
LK20-B	20-25	mm	14	10,5	STAINLESS STEEL	-	kg	0,413	KMK00LK20B6H
		inch	0,55	0,41			lb	0,91	
LK32-B	32-40-50	mm	17	10,5	CARBON STEEL	GALVANIZED	kg	0,53	KMK00LK32B2Z
		inch	0,67	0,41			lb	1,17	
LK32-B	32-40-50	mm	17	10,5	STAINLESS STEEL	-	kg	0,53	KMK00LK32B6H
		inch	0,67	0,41			lb	1,17	

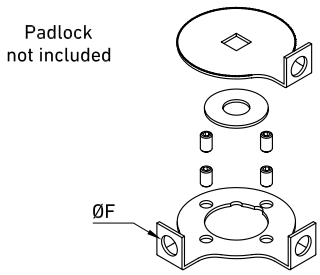




LKF FOR GE - GB - GHP - GPK

TYPE	DN		SW	ØF	MATERIAL	TREATMENT	WEIGHT		ITEM CODE
LK6-MF	6 only for GPK	mm	6	6,8	CARBON STEEL	GALVANIZED	kg	0,043	K0K00LK6MF2Z
		inch	0,24	0,27			lb	0,09	
LK6-F	6-10-13	mm	9	9,5	CARBON STEEL	GALVANIZED	kg	0,043	K0K00LK6F2Z
		inch	0,35	0,37			lb	0,09	
LK6-F	6-10-13	mm	9	9,5	STAINLESS STEEL	-	kg	0,043	K0K00LK6F6H
		inch	0,35	0,37			lb	0,09	
LK20-F	20-25	mm	14	9,5	CARBON STEEL	GALVANIZED	kg	0,121	K0K00LK20F2Z
		inch	0,55	0,37			lb	0,27	
LK20-F	20-25	mm	14	9,5	STAINLESS STEEL	-	kg	0,121	K0K00LK20F6H
		inch	0,55	0,37			lb	0,27	
LK32-F	32-40-50	mm	17	9,5	CARBON STEEL	GALVANIZED	kg	0,187	K0K00LK32F2Z
		inch	0,67	0,37			lb	0,41	
LK32-F	32-40-50	mm	17	9,5	STAINLESS STEEL	-	kg	0,187	K0K00LK32F6H
		inch	0,67	0,37			lb	0,41	

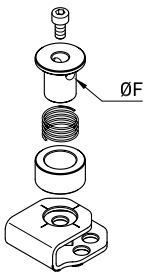




LKR FOR GR

TYPE	DN		SW	ØF	MATERIAL	TREATMENT	WEIGHT		ITEM CODE
LKR13	13	mm	9	9,5	CARBON STEEL	GALVANIZED	kg	0,1	K0K00LKR132Z
		inch	0,35	0,37			lb	0,22	
LKR13	13	mm	9	9,5	STAINLESS STEEL	-	kg	0,1	K0K00LKR136H
		inch	0,35	0,37			lb	0,22	
LKR20	20-25	mm	14	9,5	CARBON STEEL	GALVANIZED	kg	0,18	K0K00LKR202Z
		inch	0,55	0,37			lb	0,40	
LKR20	20-25	mm	14	9,5	STAINLESS STEEL	-	kg	0,18	K0K00LKR206H
		inch	0,55	0,37			lb	0,40	
LKR32	32-40-50	mm	17	9,5	CARBON STEEL	GALVANIZED	kg	0,34	K0K00LKR322Z
		inch	0,67	0,37			lb	0,75	
LKR32	32-40-50	mm	17	9,5	STAINLESS STEEL	-	kg	0,34	K0K00LKR326H
		inch	0,67	0,37			lb	0,75	
LKR65	65-80	mm	19	9,5	CARBON STEEL	GALVANIZED	kg	0,55	K0K00LKR652Z
		inch	0,75	0,37			lb	1,21	
LKR65	65-80	mm	19	9,5	STAINLESS STEEL	-	kg	0,55	K0K00LKR656H
		inch	0,75	0,37			lb	1,21	
LKR100	100	mm	24	9,5	CARBON STEEL	GALVANIZED	kg	1,08	K0K00LKR1002Z
		inch	0,94	0,37			lb	2,38	
LKR100	100	mm	24	9,5	STAINLESS STEEL	-	kg	1,08	K0K00LKR1006H
		inch	0,94	0,37			lb	2,38	



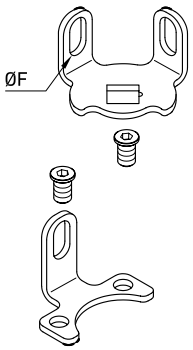


SECURITY BLOCK FOR GE - GB - GHP - GPK (EXCEPT DN6) - G3/4K

TYPE	DN		SW	ØF	MATERIAL	TREATMENT	WEIGHT		ITEM CODE
SB6	6-10-13 6 only for G3/4K	mm	9	6,8	CARBON STEEL	GALVANIZED	kg	0,066	K0B00SB61Z
		inch	0,35	0,27			lb	0,15	
SB20	20-25 10-13-20 only for G3/4K	mm	14	9,5	CARBON STEEL	GALVANIZED	kg	0,221	K0B00SB201Z
		inch	,055	0,37			lb	0,49	
SB32	32-40-50 25 only for G3/4K	mm	17	9,5	CARBON STEEL	GALVANIZED	kg	0,24	K0B00SB321Z
		inch	0,67	0,37			lb	0,53	

The company reserves the right to operate dimensional changes without prior notice.





LKS FOR SBF - SBF-W

TYPE	DN	ANSI		SW	ØF	MATERIAL	TREATMENT	WEIGHT	
LK13 - S	13	150-300-600	mm	9	6,5	CARBON STEEL	GALVANIZED	kg	0,03
			inch	0,35	0,26			lb	0,07
LK13 - S	13	150-300-600	mm	9	6,5	STAINLESS STEEL	-	kg	0,03
			inch	0,35	0,26			lb	0,07
LK20 - S 150	20	150	mm	14	6,5	CARBON STEEL	GALVANIZED	kg	0,07
			inch	0,55	0,26			lb	0,15
LK20 -S 150	20	150	mm	14	6,5	STAINLESS STEEL	-	kg	0,07
			inch	0,55	0,26			lb	0,15
LK20 - S	20-25	150 (only for DN25) 300-600	mm	14	6,5	CARBON STEEL	GALVANIZED	kg	0,07
			inch	0,55	0,26			lb	0,15
LK20 - S	20-25	150 (only for DN25) 300-600	mm	14	6,5	STAINLESS STEEL	-	kg	0,07
			inch	0,55	0,26			lb	0,15
LK32 - S	32-40-50	150-300-600	mm	17	6,5	CARBON STEEL	GALVANIZED	kg	0,08
			inch	0,67	0,26			lb	0,18
LK32 - S	32-40-50	150-300-600	mm	17	6,5	STAINLESS STEEL	-	kg	0,08
			inch	0,67	0,26			lb	0,18
LK80 - S	80	150-300-600	mm	19	10	CARBON STEEL	GALVANIZED	kg	0,16
			inch	0,75	0,39			lb	0,35
LK80 - S	80	150-300-600	mm	19	10	STAINLESS STEEL	-	kg	0,16
			inch	0,75	0,39			lb	0,35
LK100 - S	100	150-300-600	mm	24	12	CARBON STEEL	GALVANIZED	kg	0,3
			inch	0,94	0,47			lb	0,66
LK100 - S	100	150-300-600	mm	24	12	STAINLESS STEEL	-	kg	0,3
			inch	0,94	0,47			lb	0,66

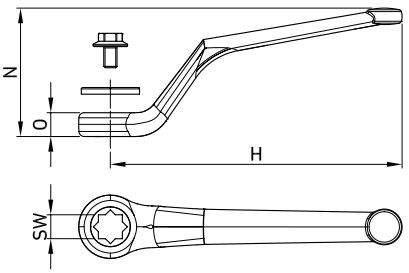
HANDLES

Edition. 21.1

- BENT HANDLES
- BUTTERFLY HANDLES
- CUT STRAIGHT HANDLES
- CUT BENT HANDLES
- PIPE HANDLES
- SHORT HANDLES
- STRAIGHT HANDLES



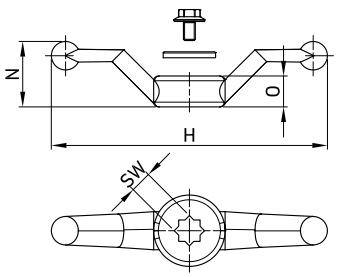




BENT HANDLES

	SW	H	N	O	MATERIAL	TREATMENT	WEIGHT		HANDLE CODE	KIT CODE
mm	9	110	53	9	ZAMAK	CHROMING	kg	0,082	C001010ZC	K0L0011ZZ
inch	0,35	4,33	2,09	0,35			lb	0,18		
mm	9	110	53	9	CARBON STEEL	GALVANIZED	kg	0,097	C0010102Z	K0L00112Z
inch	0,35	4,33	2,09	0,35			lb	0,21		
mm	9	110	53	9	STAINLESS STEEL	-	kg	0,098	C0010104H	K0L00116H
inch	0,35	4,33	2,09	0,35			lb	0,22		
mm	14	180	48	13	ZAMAK	CHROMING	kg	0,18	C008550ZC	K0L0016ZZ
inch	0,55	7,09	1,89	0,51			lb	0,40		
mm	14	180	48	14	CARBON STEEL	GALVANIZED	kg	0,248	C0069202Z	K0L00152Z
inch	0,55	7,09	1,89	0,55			lb	0,55		
mm	14	180	48	14	STAINLESS STEEL	-	kg	0,257	C0069204H	K0L00156H
inch	0,55	7,09	1,89	0,55			lb	0,57		
mm	17	200	60	13	CARBON STEEL	GALVANIZED	kg	0,36	C0505502Z	K06A0019902000Z
inch	0,67	7,87	2,36	0,51			lb	0,79		
mm	17	300	71	14	CARBON STEEL	GALVANIZED	kg	0,662	C0092502Z	KBL00132Z
inch	0,67	11,81	2,80	0,55			lb	1,46		
mm	17	300	71	14	STAINLESS STEEL	-	kg	0,675	C0092504H	KBL00136H
inch	0,67	11,81	2,80	0,55			lb	1,49		

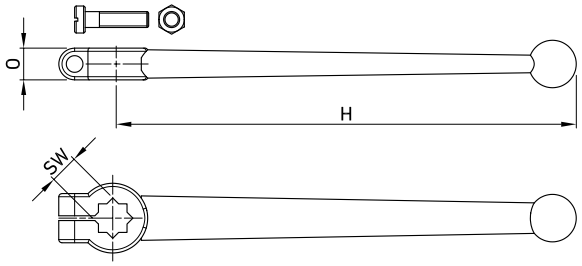




BUTTERFLY HANDLES

	SW	H	N	O	MATERIAL	TREATMENT	WEIGHT		HANDLE CODE	KIT CODE
mm	9	116	27,5	13	ZAMAK	GALVANIZED	kg	0,107	C010740ZZ	K0L0018ZZ
inch	0,35	4,57	1,08	0,51			lb	0,24		
mm	14	116	27,5	13	ZAMAK	GALVANIZED	kg	0,097	C010750ZZ	K0L0019ZZ
inch	0,55	4,57	1,08	0,51			lb	0,21		

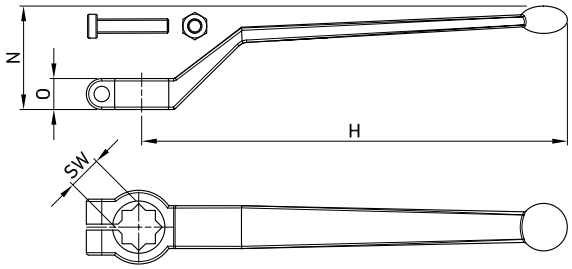




CUT STRAIGHT HANDLES

	SW	H	N	O	MATERIAL	TREATMENT	WEIGHT		HANDLE CODE	KIT CODE
mm	9	145	-	10	ZAMAK	CHROMING	kg	0,042	C000020ZC	KEL006ZZ
inch	0,35	5,71	-	0,39			lb	0,09		

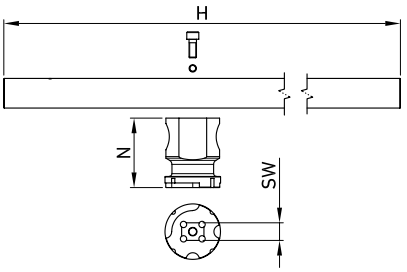




CUT BENT HANDLES

	SW	H	N	O	MATERIAL	TREATMENT	WEIGHT		HANDLE CODE	KIT CODE
mm	14	180	43	13	ZAMAK	CHROMING	kg	0,195	C001200ZC	KEL007ZZ
inch	0,55	7,09	1,69	0,51			lb	0,43		



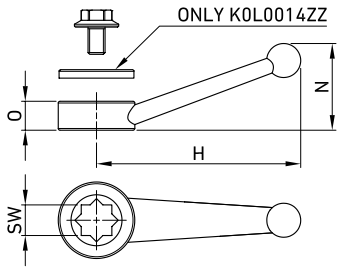


PIPE HANDLES

	SW	H	N	O	MATERIAL	TREATMENT	WEIGHT		HANDLE CODE	KIT CODE
mm	19	650	75	-	CARBON STEEL	GALVANIZED	kg	2,112	C0012502Z	K0L00202Z
inch	0,75	25,59	2,95	-			lb	4,66		
mm	19	650	75	-	STAINLESS STEEL	-	kg	2,312	C0012504H	K0L00206H
inch	0,75	25,59	2,95	-			lb	5,10		
mm	24	650	79	-	CARBON STEEL	GALVANIZED	kg	3,912	C0012502Z	K0L00212Z
inch	0,94	25,59	3,11	-			lb	8,62		

The company reserves the right to operate dimensional changes without prior notice.

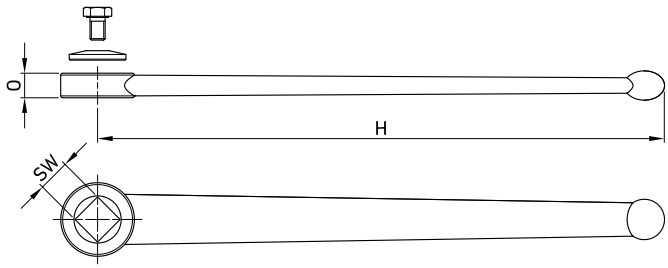




SHORT HANDLES

	SW	H	N	O	MATERIAL	TREATMENT	WEIGHT		HANDLE CODE	KIT CODE
mm	9	60	25,5	8,5	ZAMAK	GALVANIZED	kg	0,022	C009490ZC	K0L0014ZZ
inch	0,35	2,36	1,00	0,33			lb	0,05		





STRAIGHT HANDLES

	SW	H	N	O	MATERIAL	TREATMENT	WEIGHT		HANDLE CODE	KIT CODE
mm	17	300	-	13	CARBON STEEL	GALVANIZED	kg	0,457	C0081302Z	K0L00122Z
inch	0,67	11,81	-	0,51			lb	1,01		
mm	17	300	-	13	STAINLESS STEEL	-	kg	0,467	C0081306H	K0L00126H
inch	0,67	11,81	-	0,51			lb	1,03		

ACTUATORS

Edition. 21.1

- INSTALLATION, OPERATION AND MAINTENANCE TECHNICAL DETAILS Quarter-Turn Rack & Pinion ACTUATORS Pneumatic/Electric actuators

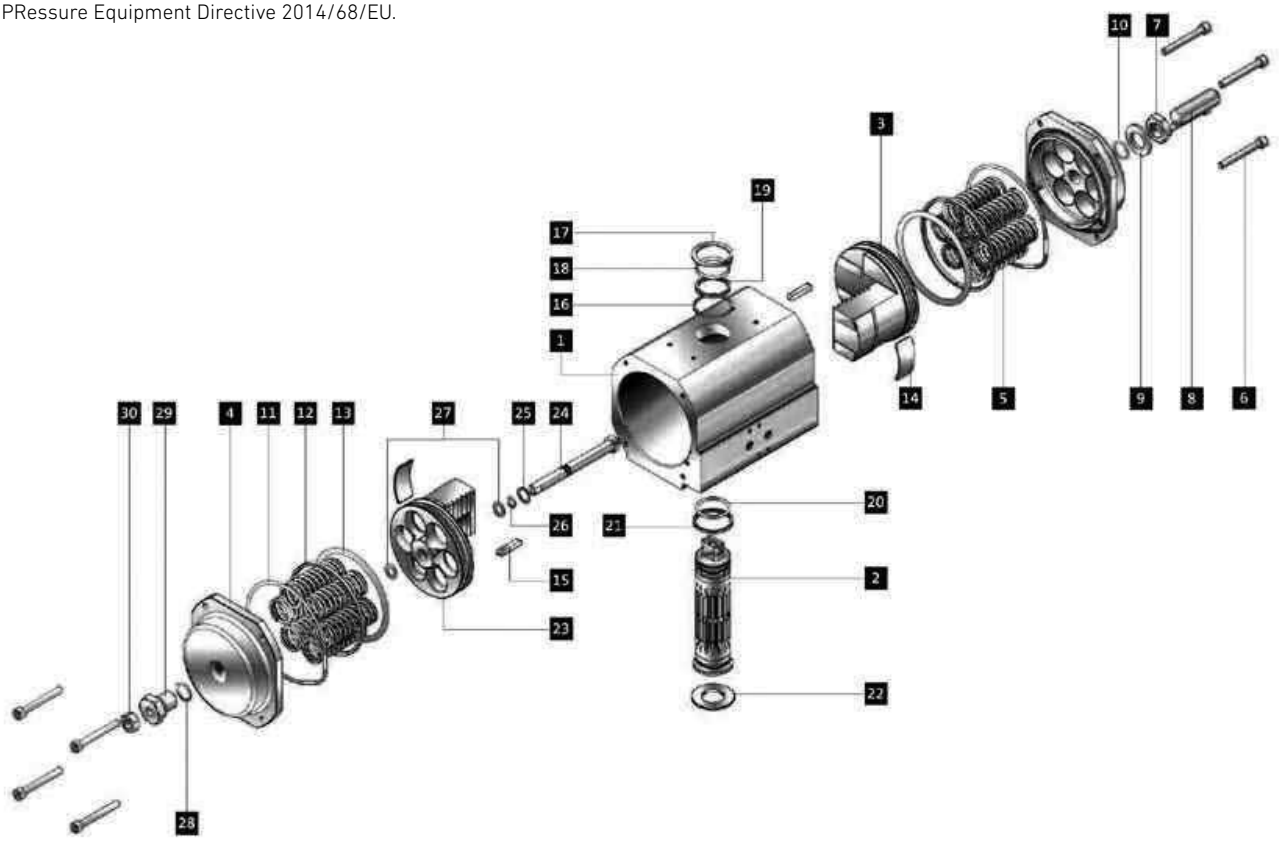


INTRODUCTION

STANDARDS

Gemels actuators are designed and in compliance with the following standards:

ISO5211: Orientation of actuator to valve mounting flange (i.e.F05,F07....)
VDI/VDE 3845: Namur mounting for accessories such as switchboxes, solenoid valves and positioners.
ATEX: Directive 2014/34/UE.
PED: PRessure Equipment Directive 2014/68/EU.



REF NO	DESCRIPTION	QTY	MATERIAL STD UNIT	COMMENTS
1	Body	1	Aluminium Anod.	-
2	Driveshaft	1	Steel	Alt. CNI 425
3	Piston	2	Aluminium	Alt. Hard Anodized/PTFE
4	Endcap with Stop Adj.	2	Aluminium Anod.	-
5	Spring	12 max	SiCr	S1 Double Acting only
6	Endcap Bolt	8	Stainless Steel	-
7	Open Stop Adj.Bolt	1	Stainless Steel	-
8	Open Stop Adj. Nut	1	Stainless Steel	-
9	Open Stop Adj. Washer	1	Polyethylene	-
10	Open Stop Adj.'O'Ring	1	Buna Nitrile	Alt. Viton/Silicone/EPDM
11*	Endcap 'O'Ring	2	Buna Nitrile	Alt. Viton/Silicone/EPDM
12*	Piston Back-up Bearing	2	POM Delrin	-
13*	Piston 'O'Ring	2	Buna Nitrile	Alt. Viton/Silicone/EPDM
14*	Piston Wearpad	2	POM Delrin	-
15*	Piston Guidebar	2	Steel	-

REF NO	DESCRIPTION	QTY	MATERIAL STD UNIT	COMMENTS
16*	Driveshaft Washer	1	Polyethylene	-
17*	Driveshaft Circlip	1	Steel	-
18*	Driveshaft Upper 'O'Ring	1	Buna Nitrile	Alt. Viton/Silicone/EPDM
19*	Driveshaft Upper Bearing	1	POM Delrin	-
20*	Driveshaft Lower 'O'Ring	1	Buna Nitrile	Alt. Viton/Silicone/EPDM
21*	Driveshaft Lower Bearing	1	POM Delrin	-
22	Centralization Ring	1	POM Delrin	-
23 (G10)	Piston (Closed Stop Adj.)	1	Aluminium	Alt. Hard Anodized/PTFE
24 (G10)	Closed Stop Adj.Bolt	1	Stainless Steel	-
25 (G10)	Closed Stop Adj.Damper	1	POM Delrin	-
26 (G10)	Stop Bolt 'O' Ring	1	Buna Nitrile	Alt. Viton/Silicone/EPDM
27 (G10)	Piston Stop Bolt 'O'Ring	2	Buna Nitrile	Alt. Viton/Silicone/EPDM
28 (G10)	Stop Bolt Retainer 'O'Ring	1	Buna Nitrile	Alt. Viton/Silicone/EPDM
29 (G10)	Stop Bolt Retainer	1	Stainless Steel	-
30 (G10)	Closed Stop Adj.Nut	1	Stainless Steel	-

ACTUATOR OPERATION

Maximum Operating Time Per Second (0.55 MPaG / 80 PSIG)

Actuator Size	FATDA0500401SH FATSR0500401SH	FATDA1000401SH FATSR1000401SH	FATDA2000401SH FATSR2000401SH	FATDA3750401SH FATSR3750401SH	FATDA6000401SH FATSR6000401SH	FATDA8250401SH FATSR8250401SH
DA open	<1	<1	2	2,5	3,5	4
DA close	<1	<1	2	2,5	3,5	4
SR open	<1	<1	2	2,5	3,5	4
SR close	<1	<1	1,5	2	3	3

Air Consumption per Stroke

Actuator Size	FATDA0500401SH FATSR0500401SH	FATDA1000401SH FATSR1000401SH	FATDA2000401SH FATSR2000401SH	FATDA3750401SH FATSR3750401SH	FATDA6000401SH FATSR6000401SH	FATDA8250401SH FATSR8250401SH
Port 'A' to open (liters)	0,18	0,38	0,9	1,69	2,8	3,05
Port 'B' to close (liters)	0,24	0,5	1	1,9	3,4	3,7
Port 'A' to open (cubic inch)	10,98	23,18	54,92	103,13	170,86	186,12
Port 'B' to close (cubic inch)	14,65	30,52	61,02	115,95	207,47	225,79

Overall Actuator Weight

Actuator Size	3	10	35	70
DA Kilograms (kg)	1.0	2.8	10.4	20.2
SR Kilograms (kg)	1.1	2.9	11.9	23.9
DA pounds (lbs)	2.2	6.2	22.8	44.4
SR pounds (lbs)	2.4	6.4	26.1	52.5

Minimum Recommended Solenoid Valve Cv

Actuator Size	3	10	35	70
Solenoid Cv	0.2	0.2	0.5	0.8

TECHNICAL DATA

GDA = DoubleActing
DA Port 'A' = Air To Open (Anti-Clockwise)
DA Port 'B' = Air To Close (Clockwise)
Fail Safe Open = Rotate Pistons 180° About Own Axis
Drive Medium = Air (Dry or Lubricated); Non Corrosive Gas; Light Hydraulic Oil
GSR = SpringReturn
SR Port 'A' = Air To Oper (Anti-Clockwise compressing Springs)
SR Port 'B' = Spring To Close (Clockwise)

Temperature:
- Buna Nitrile 'O' Seals
  -40 to +100°C
  or -40 to +212°F
- Viton 'O' Seals
  -25 to +250°C
  or -13 to +482°F

The company reserves the right to operate dimensional changes without prior notice.

DOUBLE ACTING



OPENING STROKE

• Looking at the front of the Actuator, PORT 'A' is on the left and PORT 'B' is on the right.
• To open the Actuator, connect the air supply to PORT 'A' to fill the central chamber of the Actuator.
• The two opposing Pistons will open and rotate the driveshaft in a counter-clockwise direction.
• When the pistons reach the end of their travel, the actuator driveshaft will be in the open position.



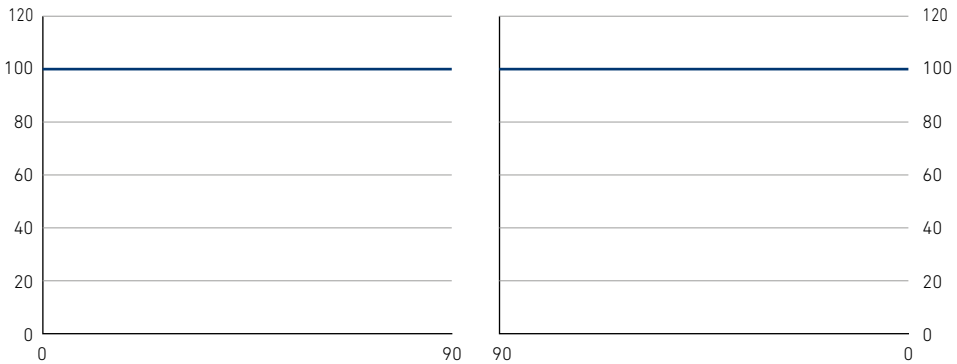
CLOSING STROKE

• Looking at the front of the Actuator, PORT 'A' is on the left and PORT 'B' is on the right.
• To close the Actuator, connect the air supply to PORT 'B' to fill the outer chambers of the Actuator
• The two opposing Pistons will close and rotate the actuator driveshaft in a clockwise direction.
• When the pistons reach the end of their travel, the actuator driveshaft will be in the closed position.

TORQUE VALUE GEMELS ACTUATORS

TORQUE DIAGRAM DOUBLE ACTING ACTUATOR

With reference to the above diagram, is possible to note that the torque of a double acting actuator remain constant throught-out the complete action.



TORQUES (Nm) ACTUATOR GEMELS DOUBLE ACTING

MODEL		AIR SUPPLY					
	Mpa	0,3	0,4	0,5	0,55	0,6	0,7
	PSI	43,5	58	72,5	79,75	87	101,5
DA 25	Nm	11,9	15,8	19,8	21,7	23,7	27,7
	lbf-ft	8,78	11,65	14,60	16,01	17,48	20,43
DA40	Nm	20,8	27,7	34,6	38,1	41,6	48,5
	lbf-ft	15,34	20,43	25,52	28,10	30,68	35,77
DA 50	Nm	25,4	33,8	42,3	46,5	50,7	59,2
	lbf-ft	18,73	24,93	31,20	34,30	37,39	43,66
DA 100	Nm	50,7	67,6	84,5	93	101,4	118,3
	lbf-ft	37,39	49,86	62,32	68,59	74,79	87,25
DA 200	Nm	101	134,6	168,3	185,1	201,9	235,6
	lbf-ft	74,49	99,28	124,13	136,52	148,91	173,77
DA 375	Nm	187	249	312	343	374	437
	lbf-ft	137,92	183,65	230,12	252,98	275,85	322,31
DA 580	Nm	298	398	497	547	597	696
	lbf-ft	219,79	293,55	366,57	403,45	440,32	513,34
DA 825	Nm	412	550	687	756	825	962
	lbf-ft	303,87	405,66	506,70	557,60	608,49	709,53

The company reserves the right to operate dimensional changes without prior notice.

SPRING RETURN



OPENING STROKE

- Looking at the front of the Actuator, PORT 'A' is on the left and PORT 'B' is on the right.
- To open the Actuator, connect the air supply to PORT 'A' to fill the central chamber of the Actuator.
- The two opposing Pistons will open, compressing the springs in the outer chambers and rotate the driveshaft in a counter-clockwise direction.
- When the pistons reach the end of their travel, the springs will be fully compressed and the actuator driveshaft will be in the open position.



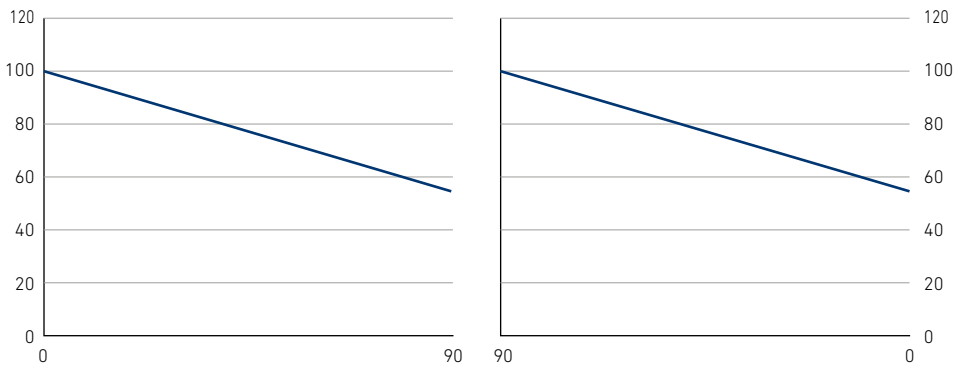
CLOSING STROKE

- Looking at the front of the Actuator, PORT 'A' is on the left and PORT 'B' is on the right.
- To close the Actuator, disconnect the air supply from PORT 'A'. This will allow the compressed springs to push the pistons back to their starting position.
- As the springs decompress the two opposing Pistons will close and rotate the actuator driveshaft in a clockwise direction.
- When the pistons reach the end of their travel, the actuator driveshaft will be in the closed position.

TORQUE VALUE GEMELS ACTUATORS

TORQUE DIAGRAM DOUBLE ACTING ACTUATOR

With reference to the above diagram the torque of a Spring Return actuator is not constant but decreasing. This is due to the action of the springs.



TORQUES (Nm) ACTUATOR GEMELS SPRING RETURN

Note: For a continuous improvement, Gemels reserves the right to operate changes without prior notice.
For the values highlighted, or are missing, or with a minus sign (-), it is reported that with the number of standard springs, at 3 bar, the actuator is not able to to overcome the force of the internal springs, therefore the actuator can not to perform one complete rotation.
Therefore with air supply of 3 Bar, it will be necessary evaluate the reduction of the number of springs or buy a bigger model.

TYPE	Springs Q,ty	Spring Torque		AIR SUPPLY													
				Mpa	0,3		0,4		0,5		0,55		0,6		0,7	
				PSI	43,5		58		72,5		79,75		87		101,5	
		Start	End		Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
SR35/(18)	1	2,72	1,50	Nm	23,90	22,60	32,30	31,10	40,80	39,50	45,00	43,80	49,20	48,00	57,70	56,40
		2,01	1,11	lbf-ft	17,63	16,67	23,82	22,94	30,09	29,13	33,19	32,31	36,29	35,40	42,56	41,60
	2	5,44	3,00	Nm	22,40	19,90	30,80	28,40	39,30	36,80	43,50	41,00	47,70	45,30	56,20	53,70
		4,01	2,21	lbf-ft	16,52	14,68	22,72	20,95	28,99	27,14	32,08	30,24	35,18	33,41	41,45	39,61
	3	8,16	4,50	Nm	20,90	17,20	29,30	25,60	37,80	34,10	42,00	38,30	46,20	42,50	54,70	51,00
		6,02	3,32	lbf-ft	15,42	12,69	21,61	18,88	27,88	25,15	30,98	28,25	34,08	31,35	40,34	37,62
	4	10,88	6,00	Nm	19,40	14,50	27,80	22,90	36,30	31,40	40,50	35,60	44,70	39,80	53,20	48,30
		8,02	4,43	lbf-ft	14,31	10,69	20,50	16,89	26,77	23,16	29,87	26,26	32,97	29,35	39,24	35,62
	5	13,60	7,50	Nm	17,90	11,80	26,30	20,20	34,80	28,70	39,00	32,90	43,20	37,10	51,70	45,60
		10,03	5,53	lbf-ft	13,20	8,70	19,40	14,90	25,67	21,17	28,76	24,27	31,86	27,36	38,13	33,63
	6	16,32	9,00	Nm	16,40	9,00	24,80	17,50	33,30	25,90	37,50	30,20	41,70	34,40	50,20	42,80
		12,04	6,64	lbf-ft	12,10	6,64	18,29	12,91	24,56	19,10	27,66	22,27	30,76	25,37	37,03	31,57
	7	19,04	10,50	Nm	-	-	23,30	14,80	31,80	23,20	36,00	27,40	40,20	31,70	48,70	40,10
		14,04	7,74	lbf-ft	-	-	17,19	10,92	23,45	17,11	26,55	20,21	29,65	23,38	35,92	29,58
	8	21,76	12,00	Nm	-	-	21,80	12,00	30,30	20,50	34,50	24,70	38,70	28,90	47,20	37,40
		16,05	8,85	lbf-ft	-	-	16,08	8,85	22,35	15,12	25,45	18,22	28,54	21,32	34,81	27,58
	9	24,48	13,50	Nm	-	-	-	-	28,80	17,80	33,00	22,00	37,20	26,20	45,70	34,70
		18,06	9,96	lbf-ft	-	-	-	-	21,24	13,13	24,34	16,23	27,44	19,32	33,71	25,59
	10	27,20	15,00	Nm	-	-	-	-	27,30	15,10	31,50	19,30	35,70	23,50	44,20	32,00
		20,06	11,06	lbf-ft	-	-	-	-	20,14	11,14	23,23	14,23	26,33	17,33	32,60	23,60
	11	29,92	16,50	Nm	-	-	-	-	-	-	30,00	16,60	34,20	20,80	42,70	29,20
		22,07	12,17	lbf-ft	-	-	-	-	-	-	22,13	12,24	25,22	15,34	31,49	21,54
	12	32,64	18,00	Nm	-	-	-	-	-	-	28,50	13,80	32,70	18,10	41,20	26,50
		24,07	13,28	lbf-ft	-	-	-	-	-	-	21,02	10,18	24,12	13,35	30,39	19,55
SR60/(40)	1	5,12	3,34	Nm	47,40	45,60	64,30	62,50	81,20	79,40	89,60	87,80	98,10	96,30	115,00	113,20
		3,78	2,46	lbf-ft	34,96	33,63	47,43	46,10	59,89	58,56	66,09	64,76	72,35	71,03	84,82	83,49
	2	10,24	6,68	Nm	44,00	40,50	60,90	57,40	77,80	74,30	86,30	82,70	94,70	91,20	111,60	108,10
		7,55	4,93	lbf-ft	32,45	29,87	44,92	42,34	57,38	54,80	63,65	61,00	69,85	67,27	82,31	79,73
	3	15,36	10,02	Nm	40,70	35,30	57,60	52,20	74,50	69,10	82,90	77,60	91,40	86,00	108,30	102,90
		11,33	7,39	lbf-ft	30,02	26,04	42,48	38,50	54,95	50,97	61,14	57,23	67,41	63,43	79,88	75,89
	4	20,48	13,36	Nm	37,30	30,20	54,20	47,10	71,10	64,00	79,60	72,50	88,00	80,90	104,90	97,80
		15,11	9,85	lbf-ft	27,51	22,27	39,98	34,74	52,44	47,20	58,71	53,47	64,91	59,67	77,37	72,13
	5	25,60	16,70	Nm	34,00	25,10	50,90	42,00	67,80	58,90	76,30	67,40	84,70	75,80	101,60	92,70
		18,88	12,32	lbf-ft	25,08	18,51	37,54	30,98	50,01	43,44	56,28	49,71	62,47	55,91	74,94	68,37
	6	30,72	20,04	Nm	30,70	20,00	47,60	36,90	64,50	53,80	72,90	62,20	81,40	70,70	98,30	87,60
		22,66	14,78	lbf-ft	22,64	14,75	35,11	27,22	47,57	39,68	53,77	45,88	60,04	52,15	72,50	64,61
	7	35,84	23,38	Nm	-	-	44,20	31,80	61,10	48,70	69,60	57,10	78,00	65,60	94,90	82,50
		26,43	17,24	lbf-ft	-	-	32,60	23,45	45,06	35,92	51,33	42,11	57,53	48,38	69,99	60,85
	8	40,96	26,72	Nm	-	-	40,90	26,60	57,80	43,50	66,20	52,00	74,70	60,40	91,60	77,30
		30,21	19,71	lbf-ft	-	-	30,17	19,62	42,63	32,08	48,83	38,35	55,10	44,55	67,56	57,01
	9	46,08	30,06	Nm	-	-	-	-	54,40	38,40	62,90	46,90	71,30	55,30	88,20	72,20
		33,99	22,17	lbf-ft	-	-	-	-	40,12	28,32	46,39	34,59	52,59	40,79	65,05	53,25
	10	51,20	33,40	Nm	-	-	-	-	51,10	33,30	59,60	41,80	68,00	50,20	84,90	67,10
		37,76	24,63	lbf-ft	-	-	-	-	37,69	24,56	43,96	30,83	50,15	37,03	62,62	49,49
	11	56,32	36,74	Nm	-	-	-	-	-	-	56,20	36,60	64,70	45,10	81,60	62,00
		41,54	27,10	lbf-ft	-	-	-	-	-	-	41,45	26,99	47,72	33,26	60,18	45,73
	12	61,44	40,08	Nm	-	-	-	-	-	-	52,90	31,50	61,30	40,00	78,20	56,90
		45,32	29,56	lbf-ft	-	-	-	-	-	-	39,02	23,23	45,21	29,50	57,68	41,97

TORQUES (Nm) ACTUATOR GEMELS SPRING RETURN

TYPE	Springs Outer	Springs Inner	Spring Torque Start	Spring Torque End	AIR SUPPLY	Mpa	0,3		0,4		0,5		0,55		0,6		0,7	
						PSI	43,5		58		72,5		79,75		87		101,5	
							Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
SR130/(72)	1	0	21,70	11,90		Nm	89,00	79,30	122,70	112,90	156,30	146,60	173,20	163,40	190,00	180,20	223,70	213,90
			16,01	8,78		lbf-ft	65,64	58,49	90,50	83,27	115,28	108,13	127,75	120,52	140,14	132,91	164,99	157,76
	1	1	32,60	17,90		Nm	83,10	68,40	116,70	102,10	150,40	135,70	167,20	152,60	184,00	169,40	217,70	203,00
			24,04	13,20		lbf-ft	61,29	50,45	86,07	75,30	110,93	100,09	123,32	112,55	135,71	124,94	160,57	149,72
	2	0	43,40	23,90		Nm	77,10	57,60	110,80	91,20	144,40	124,90	161,20	141,70	178,10	158,50	211,70	192,20
			32,01	17,63		lbf-ft	56,87	42,48	81,72	67,27	106,50	92,12	118,89	104,51	131,36	116,90	156,14	141,76
	2	1	54,30	29,80		Nm	71,10	46,70	104,80	80,40	138,40	114,00	155,30	130,90	172,10	147,70	205,80	181,30
			40,05	21,98		lbf-ft	52,44	34,44	77,30	59,30	102,08	84,08	114,54	96,55	126,93	108,94	151,79	133,72
	2	2	65,10	35,80		Nm	65,20	35,90	98,80	69,50	132,50	103,20	149,30	120,00	166,10	136,80	199,80	170,50
			48,02	26,40		lbf-ft	48,09	26,48	72,87	51,26	97,73	76,12	110,12	88,51	122,51	100,90	147,36	125,75
	3	0	65,10	35,80		Nm	65,20	35,90	98,80	69,50	132,50	103,20	149,30	120,00	166,10	136,80	199,80	170,50
			48,02	26,40		lbf-ft	48,09	26,48	72,87	51,26	97,73	76,12	110,12	88,51	122,51	100,90	147,36	125,75
	3	1	76,00	41,80		Nm	59,20	25,00	92,90	58,70	126,50	92,30	143,30	109,20	160,20	126,00	193,80	159,60
			56,05	30,83		lbf-ft	43,66	18,44	68,52	43,29	93,30	68,08	105,69	80,54	118,16	92,93	142,94	117,71
	3	2	86,80	47,70		Nm	53,20	14,20	86,90	47,80	120,50	81,50	137,40	98,30	154,20	115,10	187,90	148,80
			64,02	35,18		lbf-ft	39,24	10,47	64,09	35,26	88,88	60,11	101,34	72,50	113,73	84,89	138,59	109,75
	3	3	97,70	53,70		Nm	47,30	3,30	80,90	37,00	114,60	70,60	131,40	87,50	148,20	104,30	181,90	137,90
			72,06	39,61		lbf-ft	34,89	2,43	59,67	27,29	84,52	52,07	96,92	64,54	109,31	76,93	134,16	101,71
	4	0	86,80	47,70		Nm	53,20	14,20	86,90	47,80	120,60	81,50	137,40	98,30	154,20	115,10	187,90	148,80
			64,02	35,18		lbf-ft	39,24	10,47	64,09	35,26	88,95	60,11	101,34	72,50	113,73	84,89	138,59	109,75
	4	1	97,70	53,70		Nm	47,30	3,30	80,90	37,00	114,60	70,60	131,40	87,50	148,20	104,30	181,90	137,90
			72,06	39,61		lbf-ft	34,89	2,43	59,67	27,29	84,52	52,07	96,92	64,54	109,31	76,93	134,16	101,71
	4	2	108,50	59,70		Nm	41,30	-7,50	75,00	26,10	108,60	59,80	125,40	76,60	142,30	93,40	175,90	127,10
			80,03	44,03		lbf-ft	30,46	-5,53	55,32	19,25	80,10	44,11	92,49	56,50	104,95	68,89	129,74	93,74
	4	3	119,40	65,60		Nm	35,30	-18,40	69,00	15,30	102,60	48,90	119,50	65,80	136,30	82,60	170,00	116,20
			88,06	48,38		lbf-ft	26,04	-13,57	50,89	11,28	75,67	36,07	88,14	48,53	100,53	60,92	125,39	85,70
	4	4	130,20	71,60		Nm	29,40	-29,20	63,00	4,40	96,70	38,10	113,50	54,90	130,30	71,70	164,00	105,40
			96,03	52,81		lbf-ft	21,68	-21,54	46,47	3,25	71,32	28,10	83,71	40,49	96,10	52,88	120,96	77,74
SR240/(132)	1	0	40,20	22,10		Nm	165,00	146,90	227,30	209,30	289,70	271,60	320,90	302,80	352,10	334,00	414,40	396,30
			29,65	16,30		lbf-ft	121,70	108,35	167,65	154,37	213,67	200,32	236,68	223,33	259,69	246,35	305,64	292,30
	1	1	60,30	33,20		Nm	153,90	126,80	216,30	189,20	278,70	251,50	309,80	282,70	341,00	313,90	403,40	376,20
			44,47	24,49		lbf-ft	113,51	93,52	159,53	139,55	205,56	185,50	228,50	208,51	251,51	231,52	297,53	277,47
	2	0	80,40	44,20		Nm	142,90	106,70	205,20	169,10	267,60	231,40	298,80	262,60	330,00	293,80	392,30	356,10
			59,30	32,60		lbf-ft	105,40	78,70	151,35	124,72	197,37	170,67	220,38	193,68	243,39	216,70	289,34	262,65
	2	1	100,50	55,30		Nm	131,80	86,60	194,20	149,00	256,50	211,30	287,70	242,50	318,90	273,70	381,30	336,00
			74,12	40,79		lbf-ft	97,21	63,87	143,23	109,90	189,18	155,85	212,20	178,86	235,21	201,87	281,23	247,82
	2	2	120,60	66,30		Nm	120,80	66,50	183,10	128,90	245,50	191,20	276,70	222,40	307,90	253,60	370,20	315,90
			88,95	48,90		lbf-ft	89,10	49,05	135,05	95,07	181,07	141,02	204,08	164,03	227,09	187,05	273,04	233,00
	3	0	120,60	66,30		Nm	120,80	66,50	183,10	128,90	245,50	191,20	276,70	222,40	307,90	253,60	370,20	315,90
			88,95	48,90		lbf-ft	89,10	49,05	135,05	95,07	181,07	141,02	204,08	164,03	227,09	187,05	273,04	233,00
	3	1	140,70	77,40		Nm	109,70	46,40	172,10	108,80	234,40	171,10	265,60	202,30	296,80	233,50	359,20	295,80
			103,77	57,09		lbf-ft	80,91	34,22	126,93	80,25	172,88	126,20	195,90	149,21	218,91	172,22	264,93	218,17
	3	2	160,80	88,40		Nm	98,70	26,30	161,00	88,70	223,40	151,00	254,60	182,20	285,80	213,40	348,10	275,70
			118,60	65,20		lbf-ft	72,80	19,40	118,75	65,42	164,77	111,37	187,78	134,38	210,79	157,40	256,74	203,35
	3	3	180,90	99,50		Nm	87,60	6,20	150,00	68,60	212,30	130,90	243,50	162,10	274,70	193,30	337,10	255,60
			133,42	73,39		lbf-ft	64,61	4,57	110,63	50,60	156,58	96,55	179,60	119,56	202,61	142,57	248,63	188,52
	4	0	160,80	88,40		Nm	98,70	26,30	161,00	88,70	223,40	151,00	254,60	182,20	285,70	213,40	348,10	275,70
			118,60	65,20		lbf-ft	72,80	19,40	118,75	65,42	164,77	111,37	187,78	134,38	210,72	157,40	256,74	203,35
	4	1	180,90	99,50		Nm	87,60	6,20	150,00	68,60	212,30	130,90	243,50	162,10	274,70	193,30	337,10	255,60
			133,42	73,39		lbf-ft	64,61	4,57	110,63	50,60	156,58	96,55	179,60	119,56	202,61	142,57	248,63	188,52
	4	2	201,00	110,50		Nm	76,60	-13,90	138,90	48,50	201,30	110,80	232,50	142,00	263,60	173,20	326,00	235,50
			148,25	81,50		lbf-ft	56,50	-10,25	102,45	35,77	148,47	81,72	171,48	104,73	194,42	127,75	240,44	173,70
	4	3	221,10	121,60		Nm	65,50	-34,00	127,90	28,40	190,20	90,70	221,40	121,90	252,60	153,10	315,00	215,40
			163,07	89,69		lbf-ft	48,31	-25,08	94,33	20,95	140,28	66,90	163,30	89,91	186,31	112,92	232,33	158,87
		4	241,20	132,60		Nm	54,50	-54,10	116,80	8,30	179,20	70,60	210,40	101,80	241,50	133,00	303,90	195,30
			177,90	97,80		lbf-ft	40,20	-39,90	86,15	6,12	132,17	52,07	155,18	75,08	178,12	98,10	224,14	144,05

Note: For a continuous improvement, Gemels reserves the right to operate changes without prior notice.
For the values highlighted, or are missing, or with a minus sign (-), it is reported that with the number of standard springs, at 3 bar, the actuator is not able to to overcome the force of the internal springs, therefore the actuator can not to perform one complete rotation.
Therefore with air supply of 3 Bar, it will be necessary evaluate the reduction of the number of springs or buy a bigger model.

WARNING: NEVER DISASSEMBLE A PRESSURISED UNIT!

Always isolate the actuator pneumatically or hydraulically and electrically.

Always remove all accessories and mounting hardware prior to maintenance.

Other Information
Actuator Lubricant: BERULUB FR16
Spring Lubrications: VALVOLINE L-EP2
Always insure you wear the correct safety equipment as stipulated by your local organisation and applicable laws

TORQUES (Nm) ACTUATOR GEMELS SPRING RETURN

Note: For a continuous improvement, Gemels reserves the right to operate changes without prior notice.
For the values highlighted, or are missing, or with a minus sign (-), it is reported that with the number of standard springs, at 3 bar, the actuator is not able to to overcome the force of the internal springs, therefore the actuator can not to perform one complete rotation.
Therefore with air supply of 3 Bar, it will be necessary evaluate the reduction of the number of springs or buy a bigger model.

TYPE	Springs Outer	Springs Inner	Spring Torque Start	Spring Torque End	AIR SUPPLY													
					Mpa	0,3		0,4		0,5		0,55		0,6		0,7	
					PSI	43,5		58		72,5		79,75		87		101,5	
						Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
SR385/(210)	1	0	64,1	35,3	Nm	263,1	234,3	362,6	333,7	462	433,2	511,8	482,9	561,5	532,6	660,9	632,1
			47,28	26,04	lbf-ft	194,05	172,81	267,44	246,12	340,75	319,51	377,48	356,17	414,14	392,82	487,45	466,21
	1	1	96,2	52,9	Nm	245,5	202,2	344,9	301,7	444,4	401,1	494,1	450,9	543,8	500,6	643,3	600
			70,95	39,02	lbf-ft	181,07	149,13	254,38	222,52	327,77	295,84	364,43	332,57	401,09	369,22	474,47	442,54
	2	0	128,2	70,5	Nm	227,9	170,2	327,3	269,6	426,8	369,1	476,5	418,8	526,2	468,5	625,7	568
			94,56	52,00	lbf-ft	168,09	125,53	241,40	198,85	314,79	272,23	351,45	308,89	388,10	345,55	461,49	418,93
	2	1	160,3	88,1	Nm	210,2	138,1	309,7	237,6	409,1	337	458,9	386,8	508,6	436,5	608,1	535,9
			118,23	64,98	lbf-ft	155,04	101,86	228,42	175,24	301,74	248,56	338,47	285,29	375,12	321,94	448,51	395,26
	2	2	192,3	105,8	Nm	192,6	106,1	292,1	205,5	391,5	305	441,2	354,7	491	404,4	590,4	503,9
			141,83	78,03	lbf-ft	142,05	78,26	215,44	151,57	288,75	224,96	325,41	261,61	362,14	298,27	435,46	371,66
	3	0	192,3	105,8	Nm	192,6	106,1	292,1	205,5	391,5	305	441,3	354,7	491	404,4	590,4	503,9
			141,83	78,03	lbf-ft	142,05	78,26	215,44	151,57	288,75	224,96	325,49	261,61	362,14	298,27	435,46	371,66
	3	1	224,4	123,4	Nm	175	74	274,4	173,5	373,9	272,9	423,6	322,7	473,3	372,4	572,8	471,8
			165,51	91,01	lbf-ft	129,07	54,58	202,39	127,97	275,77	201,28	312,43	238,01	349,09	274,67	422,47	347,98
	3	2	256,4	141	Nm	157,4	42	256,8	141,4	356,3	240,9	406	290,6	455,7	340,3	555,2	439,8
			189,11	104,00	lbf-ft	116,09	30,98	189,41	104,29	262,79	177,68	299,45	214,33	336,11	250,99	409,49	324,38
	3	3	288,5	158,6	Nm	139,7	9,9	239,2	109,4	338,6	208,8	388,4	258,6	438,1	308,3	537,5	407,7
			212,79	116,98	lbf-ft	103,04	7,30	176,42	80,69	249,74	154,00	286,47	190,73	323,13	227,39	396,44	300,70
	4	0	256,4	141	Nm	157,4	42	256,8	141,4	356,3	240,9	406	290,6	455,7	340,3	555,2	439,8
			189,11	104,00	lbf-ft	116,09	30,98	189,41	104,29	262,79	177,68	299,45	214,33	336,11	250,99	409,49	324,38
	4	1	288,5	158,6	Nm	139,7	9,9	239,2	109,4	338,6	208,8	388,4	258,6	438,1	308,3	537,6	407,7
			212,79	116,98	lbf-ft	103,04	7,30	176,42	80,69	249,74	154,00	286,47	190,73	323,13	227,39	396,51	300,70
	4	2	320,5	176,3	Nm	122,1	-22,1	221,6	77,3	321	176,8	370,7	226,5	420,5	276,2	519,9	375,7
			236,39	130,03	lbf-ft	90,06	-16,30	163,44	57,01	236,76	130,40	273,41	167,06	310,14	203,71	383,46	277,10
	4	3	352,6	193,9	Nm	104,5	-54,2	203,9	45,3	303,4	144,7	353,1	194,5	402,8	244,2	502,3	343,6
			260,06	143,01	lbf-ft	77,08	-39,98	150,39	33,41	223,78	106,72	260,43	143,46	297,09	180,11	370,48	253,43
	4	4	384,6	211,5	Nm	86,8	-86,2	186,3	13,2	285,8	112,7	335,5	162,4	385,2	212,1	484,7	311,6
			283,67	155,99	lbf-ft	64,02	-63,58	137,41	9,74	210,79	83,12	247,45	119,78	284,11	156,44	357,50	229,82
SR530/(290)	1	0	89	49	Nm	364	324	501	461	639	599	707	668	776	736	914	874
			65,64	36,14	lbf-ft	268,47	238,97	369,52	340,02	471,30	441,80	521,45	492,69	572,35	542,84	674,13	644,63
	1	1	133	73	Nm	339	280	477	417	614	555	683	623	752	692	889	829
			98,10	53,84	lbf-ft	250,03	206,52	351,82	307,56	452,86	409,35	503,75	459,50	554,65	510,39	655,69	611,44
	2	0	177	97	Nm	315	235	452	373	590	510	659	579	727	648	865	785
			130,55	71,54	lbf-ft	232,33	173,33	333,38	275,11	435,16	376,16	486,05	427,05	536,21	477,94	637,99	578,98
	2	1	221	122	Nm	291	191	428	329	566	466	634	535	703	603	841	741
			163,00	89,98	lbf-ft	214,63	140,87	315,68	242,66	417,46	343,70	467,61	394,59	518,50	444,75	620,29	546,53
	2	2	266	146	Nm	266	147	404	284	541	422	610	491	679	559	816	697
			196,19	107,68	lbf-ft	196,19	108,42	297,97	209,47	399,02	311,25	449,91	362,14	500,80	412,30	601,85	514,08
	3	0	266	146	Nm	266	147	404	284	541	422	610	491	679	559	816	697
			196,19	107,68	lbf-ft	196,19	108,42	297,97	209,47	399,02	311,25	449,91	362,14	500,80	412,30	601,85	514,08
	3	1	310	170	Nm	242	103	379	240	517	378	586	446	654	515	792	652
			228,64	125,39	lbf-ft	178,49	75,97	279,54	177,01	381,32	278,80	432,21	328,95	482,36	379,84	584,15	480,89
	3	2	354	195	Nm	218	58	355	196	493	333	561	402	630	471	767	608
			261,10	143,82	lbf-ft	160,79	42,78	261,83	144,56	363,62	245,61	413,77	296,50	464,66	347,39	565,71	448,44
	3	3	398	219	Nm	193	14	331	152	468	289	537	358	606	426	743	564
			293,55	161,53	lbf-ft	142,35	10,33	244,13	112,11	345,18	213,15	396,07	264,05	446,96	314,20	548,01	415,98
	4	0	354	195	Nm	218	58	355	196	493	333	561	402	630	471	768	608
			261,10	143,82	lbf-ft	160,79	42,78	261,83	144,56	363,62	245,61	413,77	296,50	464,66	347,39	566,45	448,44
	4	1	398	219	Nm	193	14	331	152	468	289	537	358	606	426	743	564
			293,55	161,53	lbf-ft	142,35	10,33	244,13	112,11	345,18	213,15	396,07	264,05	446,96	314,20	548,01	415,98
	4	2	443	243	Nm	169	-30	306	107	444	245	513	314	581	382	719	520
			326,74	179,23	lbf-ft	124,65	-22,13	225,69	78,92	327,48	180,70	378,37	231,59	428,52	281,75	530,31	383,53
	4	3	487	268	Nm	145	-74	282	63	420	201	488	269	557	338	694	475
			359,19	197,67	lbf-ft	106,95	-54,58	207,99	46,47	309,78	148,25	359,93	198,40	410,82	249,30	511,87	350,34
	4	4	531	292	Nm	120	-119	258	19	395	156	464	225	533	294	670	431
			391,64	215,37	lbf-ft	88,51	-87,77	190,29	14,01	291,34	115,06	342,23	165,95	393,12	216,84	494,17	317,89

WARNING: NEVER DISASSEMBLE A PRESSURISED UNIT!

Always isolate the actuator pneumatically or hydraulically and electrically.

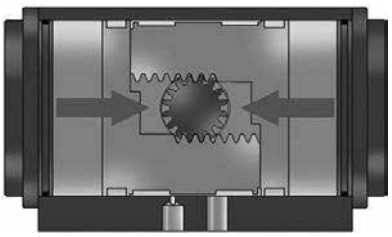
Always remove all accessories and mounting hardware prior to maintenance.

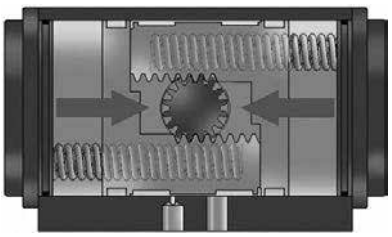
Other Information
Actuator Lubricant: BERULUB FR16
Spring Lubrications: VALVOLINE L-EP2
Always insure you wear the correct safety equipment as stipulated by your local organisation and applicable laws

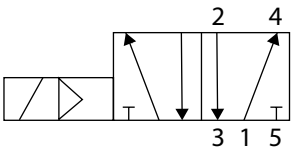
SOLENOID VALVE MOUNTING: NAMUR TYPE

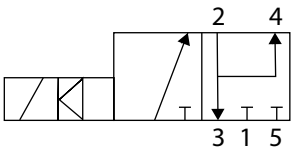
Please ensure you read the IOM manual that is supplied with the solenoid valve in order to ensure correct function. This section is a guide to the function of a solenoid valve in conjunction with a pneumatic quarter turn actuator. The solenoid valves mentioned here are **"namur mounted"** with a modular **"5/2 way / 3/2 way"** (meaning either mode is possible with the same valve).
Certain facts need to be taken into consideration when mounting a namur solenoid valve to a quarter turn pneumatic actuator:

- Port "2" and "4" are always on the namur interface of the solenoid valve
- Port "2" and "4" are always connected to the namur interface of the quarter turn pneumatic actuator
- Port "1" is where instrument air is always connected to the solenoid valve
- Port "1" is always referred to as the air inlet or pressure port on a solenoid valve





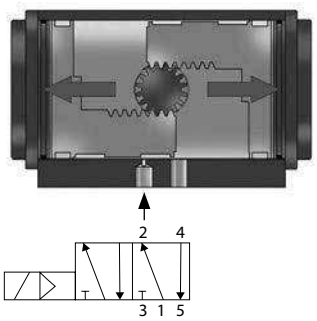




The above diagrams show a double acting actuator with 5/2 way solenoid valve (10.1) and a spring return actuator with a 5/2 way valve set up to function as a 3/2 way valve (10.2). Both valves are shown in the de-energised state (coil inactive, no electrical current). In both cases the solenoid valves port "2" is connected to the actuators port "A" through which air will vent out of port "3". When connecting a namur solenoid valve, the pneumatic diagram will determine how to connect the ports. Only solenoid valve ports "2" and '4' can be connected to the actuator. Whichever of the two ports shows a vertical arrow pointing away from it, is the port that needs to be connected to the actuators central chamber, in this case port "A".

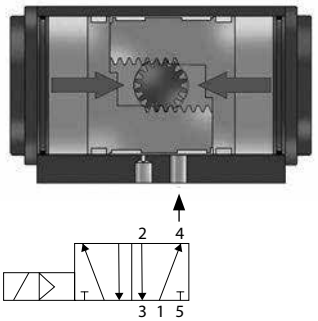
Please ensure you read the IOM manual that is supplied with the solenoid valve in order to ensure correct function. This section is a guide to the function of a solenoid valve in conjunction with a pneumatic quarter turn actuator. The solenoid valves mentioned here are **"namur mounted"** with a modular **"5/2 way / 3/2 way"** (meaning either mode is possible with the same valve).

OPERATION WITH SOLENOID VALVES: DOUBLE ACTING



SOLENOID COIL ENERGISED

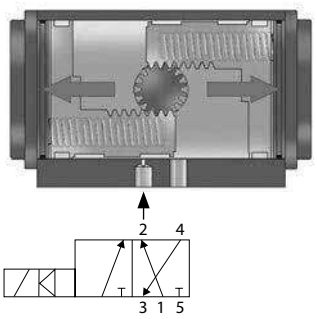
- This allows air to flow from solenoid inlet port "1" to solenoid port "2" which is connected to actuator port "A".
- As the air enters the center chamber of the actuator, the pistons start to move towards the open position (as indicated by the large red arrows).
- Atmospheric air from the outer chambers will vent out of actuator port "B", which is connected to solenoid port "4" and the exhausts via solenoid port "5".
- Solenoid port "3" is not used.



SOLENOID COIL DE-ENERGISED

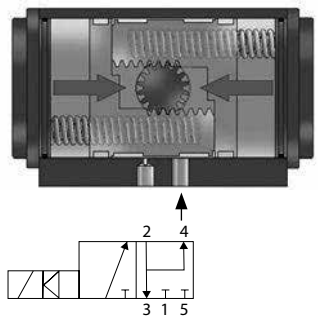
- This allows air to flow from solenoid inlet port "1" to solenoid port "4" which is connected to actuator port "B".
- As the air enters the outer chambers of the actuator, the pistons start to move towards the closed position (as indicated by the large red arrows).
- Atmospheric air from the inner chamber will vent out of actuator port "A", which is connected to solenoid port "2" and the exhausts via solenoid port "3".
- Solenoid port "5" is not used.

OPERATION WITH SOLENOID VALVES: SPRING RETURN



SOLENOID COIL ENERGISED

- This allows air to flow from solenoid inlet port "1" to solenoid port "2" which is connected to actuator port 'A'.
- As the air enters the center chamber of the actuator, the pistons start to move towards the open position and compressing the springs in the outer chambers (as indicated by the large red arrows).
- Atmospheric air from the outer chambers will vent out of actuator port "B", which is connected to solenoid port "4" and then exhausts via solenoid port "3".
- Solenoid port "5" is not used.



SOLENOID COIL DE-ENERGISED

- This closes solenoid port "1" and stops inlet air from flowing.
- The springs in the outer chambers will move the pistons back to the closed position (as indicated by the large red arrows).
- Residual air from the inner chamber will vent out of actuator port "A", which is connected to solenoid port "2" and the exhausts via solenoid port "3".
- Solenoid port "5" is not used.
- Solenoid port "2" and port "4" are also connected in a loop so no dirty air may enter the actuator (this is available only on some solenoid valves).

MOUNTING VARIATIONS

Below are the two common variations to mounting a 90 degree or 180 degree actuator to a valve.
Mounting actuators in these varying positions is due to space constraints in the global assembly or simply due to consistency with prior assemblies already in existence. Please note how the indicator puck always correctly shows the position of the valve disc and hence showing the flowpath of the medium running through the pipe.



13.1 in-line, closed position

Mounted in-line or parallel to the pipe, the actuator and valve are in the standard closed position.



13.2 in-line, open position

Mounted in-line or parallel to the pipe, the actuator and valve are in the standard open position.



13.3 crossmount, closed position

Mounted crossmount or offset to the pipe, the actuator and valve are in the standard closed position.



13.4 crossmount, open position

Mounted crossmount or offset to the pipe, the actuator and valve are in the standard open position.

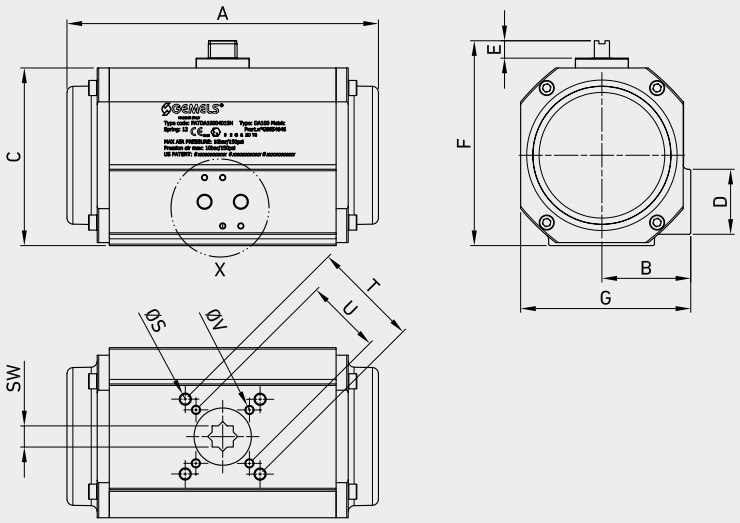




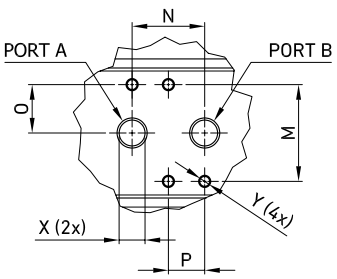
ACTUATORS DA

Basic Operating Details

- Port "A" Air to open (anti clockwise)
- Port "B" Air to close (clockwise)
- Air supply: 6 bar; maximum 7 bar
- Drive Medium = Air (Dry or lubricated); not corrosive Gas; light hydraulic oil
- Temperature= Buna nitrile o'seals -40° to 80°C or -40 to 176° F
- Standard indicator position
- Basic Operating Details



TYPE	AIR SUPPLY		Nm	lbf-ft
DA25	MPa	0,6	23,7	17,48
	Psi	87		
DA40	MPa	0,6	41,6	30,68
	Psi	87		
DA100	MPa	0,6	101,5	74,86
	Psi	87		
DA200	MPa	0,6	201,9	148,91
	Psi	87		
DA375	MPa	0,6	374	275,85
	Psi	87		
DA825	MPa	0,6	824	607,75
	Psi	87		



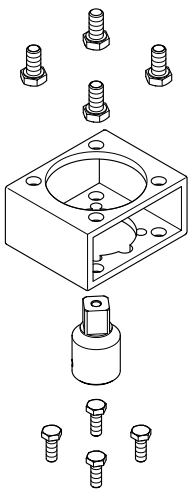
Solenoid mounting
for all actuators

DA ACTUATORS (double acting)

TYPE	ISO5211		A	B	C	D	E	F	G	M	N	O	P	ØS	T	ØV	U	X	Y	SW	WEIGHT	ITEM CODE
DA25	F03-F05	mm	160	38	70	40	20	90	69,5	32	24	16	12	M6	50	M5	36	G1/8	M5X8	9	kg 1	FATDA0250401SH
		inch	6,30	1,50	2,76	1,57	0,79	3,54	2,74	1,26	0,94	0,63	0,47		1,97		1,42	x 12		0,35	lb 2,20	
DA40	F05	mm	138,5	47,5	90,5	41	20	110,5	87,5	32	24	16	12	-	-	M6	50	G1/8	M5X8	11	kg 1,8	FATDA0400401SH
		inch	5,45	1,87	3,56	1,61	0,79	4,35	3,44	1,26	0,94	0,63	0,47				1,97	x 12		0,43	lb 3,97	
DA100	F05-F07	mm	222,5	59	118	43	20	138	113	32	24	16	12	M8	70	M6	50	G1/8	M5X8	14	kg 2,8	FATDA1000401SH
		inch	8,76	2,32	4,65	1,69	0,79	5,43	4,45	1,26	0,94	0,63	0,47		2,76		1,97	x 12		0,55	lb 6,17	
DA200	F05-F07	mm	238	72	140,5	43	20	160,5	136,5	32	24	16	12	M8	70	M6	50	G1/4	M5X8	17	kg 7	FATDA2000401SH
		inch	9,37	2,83	5,53	1,69	0,79	6,32	5,37	1,26	0,94	0,63	0,47		2,76		1,97	x 12		0,67	lb 15,43	
DA375	F07-F10	mm	286	78	166,5	43	30	196,5	156	32	24	16	12	M10	102	M8	70	G1/4	M5X8	22	kg 10,5	FATDA3750401SH
		inch	11,26	3,07	6,56	1,69	1,18	7,74	6,14	1,26	0,94	0,63	0,47		4,02		2,76	x 12		0,87	lb 23,15	
DA825	F10-F12	mm	360	95,5	207,5	43	30	237,5	191	32	24	16	12	M12	125	M10	102	G1/4	M5X8	27	kg 22,4	FATDA8250401SH
		inch	14,17	3,76	8,17	1,69	1,18	9,35	7,52	1,26	0,94	0,63	0,47		4,92		4,02	x 12		1,06	lb 49,38	

KIT WASHER
ONLY FOR GN-GB VALVES

KIT ACTUATOR
C0034406H FROM DN6 TO DN32
C0034306H FOR DN40-DN50



DA ACTUATORS KITS

TYPE	BALL VALVES	DN	MATERIAL	ISO5211	WEIGHT	ITEM CODE
AK6	GE-GHP-GR-SB	06-10-13	CARBON STEEL	F03-F03	kg 0,25 lb 0,55	K0C00AK61X
AK6S	GN	06-10	CARBON STEEL	F03 F05-F03 F05	kg 0,30 lb 0,66	K0C00AK6S1X
AK6S2	GM1-GN	06-10-13	CARBON STEEL	F03-F05	kg 0,25 lb 0,55	K01A00194AAAA0H
AK13	GE-GHP-GR	13	CARBON STEEL	F03-F05	kg 0,31 lb 0,68	K0C00AK131X
AK20	GE-GB-GHP GN-GR-SB	20-25	CARBON STELL	F05 F07-F05	kg 0,52 lb 1,15	K0C00AK201X
AK32	SB	32-40	CARBON STEEL	F05 F07-F05	kg 0,60 lb 1,32	K0C00AK321X
AK40	GB-GHP-G GR-SB	32-40	CARBON STEEL	F05 F07-F05	kg 0,67 lb 1,48	K0C00AK401X
AK50	GB-GHP-GN GR-SB	50	CARBON STEEL	F05 F07-F05	kg 0,71 lb 1,57	K0C00AK501X
AK65	SB	65-80	CARBON STEEL	F05 F07-F05	kg 0,74 lb 1,63	K0C00AK651X
AK100	GR-SB	100-125	CARBON STEEL	F10 F12-F12	kg 2,05 lb 4,52	K0C00AK1001X

ACTUATORS

KITS

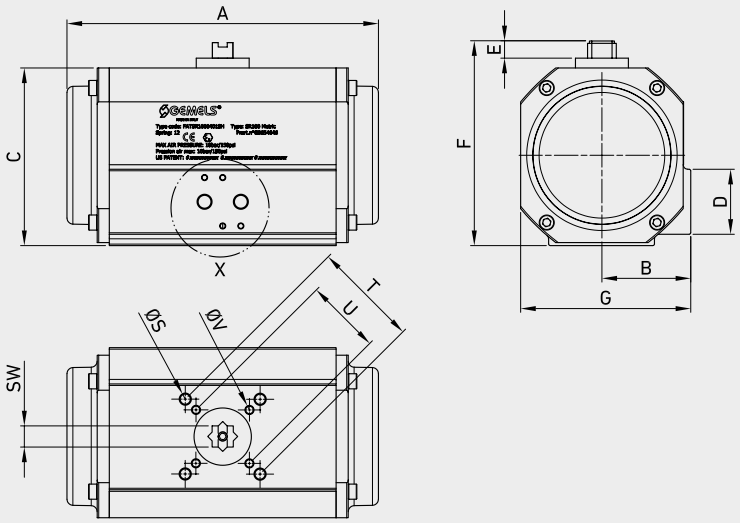


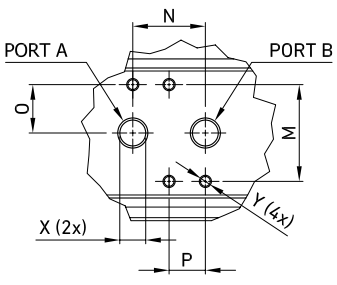


ACTUATORS SR

Basic Operating Details

- Port "A" Air to open (anti clockwise)
- Port "B" Air to close (clockwise)
- Air supply: 6 bar; maximum 7 bar
- Drive Medium = Air (Dry or lubricated); not corrosive Gas; light hydraulic oil
- Temperature= Buna nitrile o'seals -40° to 80°C or -40 to 176° F
- Standard indicator position





Solenoid mounting
for all actuators

TYPE	AIR SUPPLY		AIR-START Nm	AIR-START lbf-ft	AIR-END Nm	AIR-END lbf-ft	SPRING-START Nm	SPRING-START lbf-ft	SPRING-END Nm	SPRING-END lbf-ft	N°SPRING
SR35/(18)	MPa	0,6	32,7	24,12	18,1	13,35	32,64	24,07	18	13,28	12
	Psi	87									
SR60/(40)	MPa	0,6	61,4	45,29	40,1	29,58	61,3	45,21	40	29,50	12
	Psi	87									
SR130/(72)	MPa	0,6	130,33	96,13	71,73	52,91	130,2	96,03	71,6	52,81	4X4
	Psi	87									
SR240/(132)	MPa	0,6	241,54	178,15	132,98	98,08	241,2	177,90	132,64	97,83	4X4
	Psi	87									
SR385/(210)	MPa	0,6	385,2	284,11	212,1	156,44	384,6	283,67	211,5	155,99	4X4
	Psi	87									
SR530/(290)	MPa	0,6	533	393,12	294	216,84	531	391,64	292	215,37	4X4
	Psi	87									

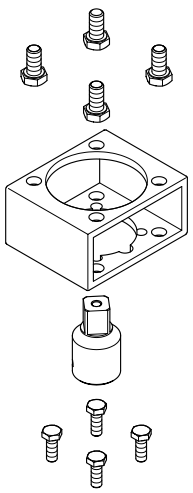
The company reserves the right to operate dimensional changes without prior notice.

SR ACTUATORS (SPRING RETURN)

TYPE	ISO5211		A	B	C	D	E	F	G	M	N	O	P	ØS	T	ØV	U	X	Y	SW	WEIGHT	ITEM CODE
SR35/(18)	F05-F07	mm	203	49	87	40	20	107	90,5	32	24	16	12	M8	70	M6	50	G1/8x12	M5x8	11	kg 1,9	FATSR0500401SH
		inch	7,99	1,93	3,43	1,57	0,79	4,21	3,56	1,26	0,94	0,63	0,47		2,76		1,97			0,43	lb 4,19	
SR60/(40)	F05-F07	mm	222,5	59	118	43	20	138	113	32	24	16	12	M8	70	M6	50	G1/8x12	M5X8	14	kg 2,8	FATSR1000401SH
		inch	8,76	2,32	4,65	1,69	0,79	5,43	4,45	1,26	0,94	0,63	0,47				2,76			1,97	0,55 lb	
SR130/(72)	F07-F10	mm	238	72	140,5	43	20	160,5	136,5	32	24	16	12	M8	102	M6	70	G1/4x12	M5x8	17	kg 7	FATSR2000401SH
		inch	9,37	2,83	5,53	1,69	0,79	6,32	5,37	1,26	0,94	0,63	0,47		4,02		2,76			0,67	lb 15,43	
SR240/(132)	F07-F10	mm	286	78	166,5	43	30	196,5	156	32	24	16	12	M10	102	M8	70	G1/4x12	M5X8	22	kg 10,5	FATSR3750401SH
		inch	11,26	3,07	6,56	1,69	1,18	7,74	6,14	1,26	0,94	0,63	0,47		4,02		2,76			0,87	lb 23,15	
SR385/(210)	F10-F12	mm	334	95,5	207,5	43	30	237,5	191	32	24	16	12	M12	125	M10	102	G1/4x12	M5x8	27	kg 20,6	FATSR6000401SH
		inch	13,15	3,76	8,17	1,69	1,18	9,35	7,52	1,26	0,94	0,63	0,47		4,92		4,02			1,06	lb 45,42	
SR530/(290)	F10-Fl 2	mm	360	95,5	207,5	43	30	237,5	191	32	24	16	12	M12	125	M10	102	G1/4x12	M5X8	27	kg 22,4	FATSR8250401SH
		inch	14,17	3,76	8,17	1,69	1,18	9,35	7,52	1,26	0,94	0,63	0,47		4,92		4,02			1,06	lb 49,38	

KIT WASHER
ONLY FOR GN-GB VALVES

KIT ACTUATOR
C0034406H FROM DN6 TO DN32
C0034306H FOR DN40-DN50



DA ACTUATORS KITS

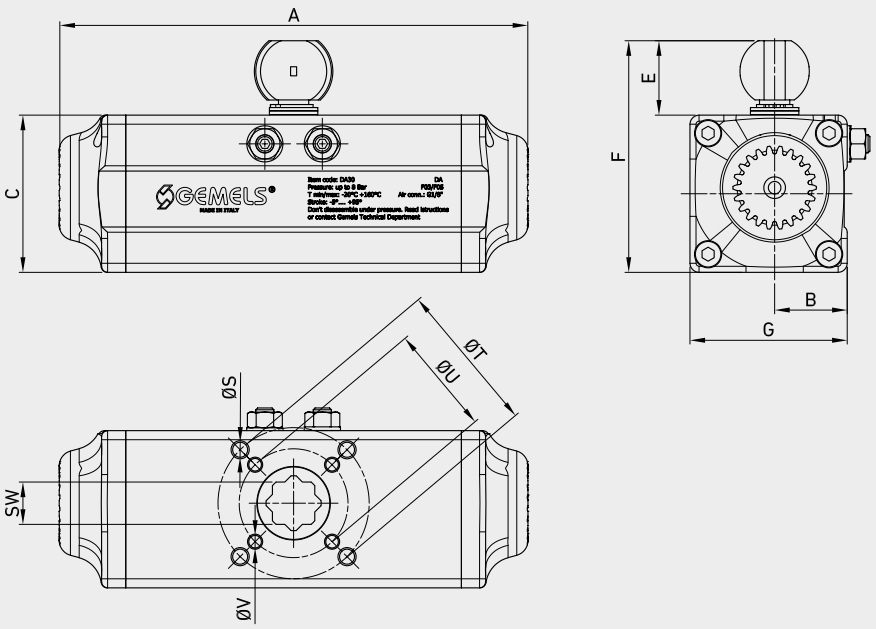
TYPE	BALL VALVES	DN	MATERIAL	ISO5211	WEIGHT	ITEM CODE
AK6	GE-GHP-GR-SB	06-10-13	CARBON STEEL	F03-F03	kg 0,25 lb 0,55	K0C00AK61X
AK6S	GN	06-10	CARBON STEEL	F03 F05-F03 F05	kg 0,30 lb 0,66	K0C00AK6S1X
AK6S2	GM1-GN	06-10-13	CARBON STEEL	F03-F05	kg 0,25 lb 0,55	K01A00194AAAA0H
AK13	GE-GHP-GR	13	CARBON STEEL	F03-F05	kg 0,31 lb 0,68	K0C00AK131X
AK20	GE-GB-GHP GN-GR-SB	20-25	CARBON STELL	F05 F07-F05	kg 0,52 lb 1,15	K0C00AK201X
AK32	SB	32-40	CARBON STEEL	F05 F07-F05	kg 0,60 lb 1,32	K0C00AK321X
AK40	GB-GHP-G GR-SB	32-40	CARBON STEEL	F05 F07-F05	kg 0,67 lb 1,48	K0C00AK401X
AK50	GB-GHP-GN GR-SB	50	CARBON STEEL	F05 F07-F05	kg 0,71 lb 1,57	K0C00AK501X
AK65	SB	65-80	CARBON STEEL	F05 F07-F05	kg 0,74 lb 1,63	K0C00AK651X
AK100	GR-SB	100-125	CARBON STEEL	F10 F12-F12	kg 2,05 lb 4,52	K0C00AK1001X





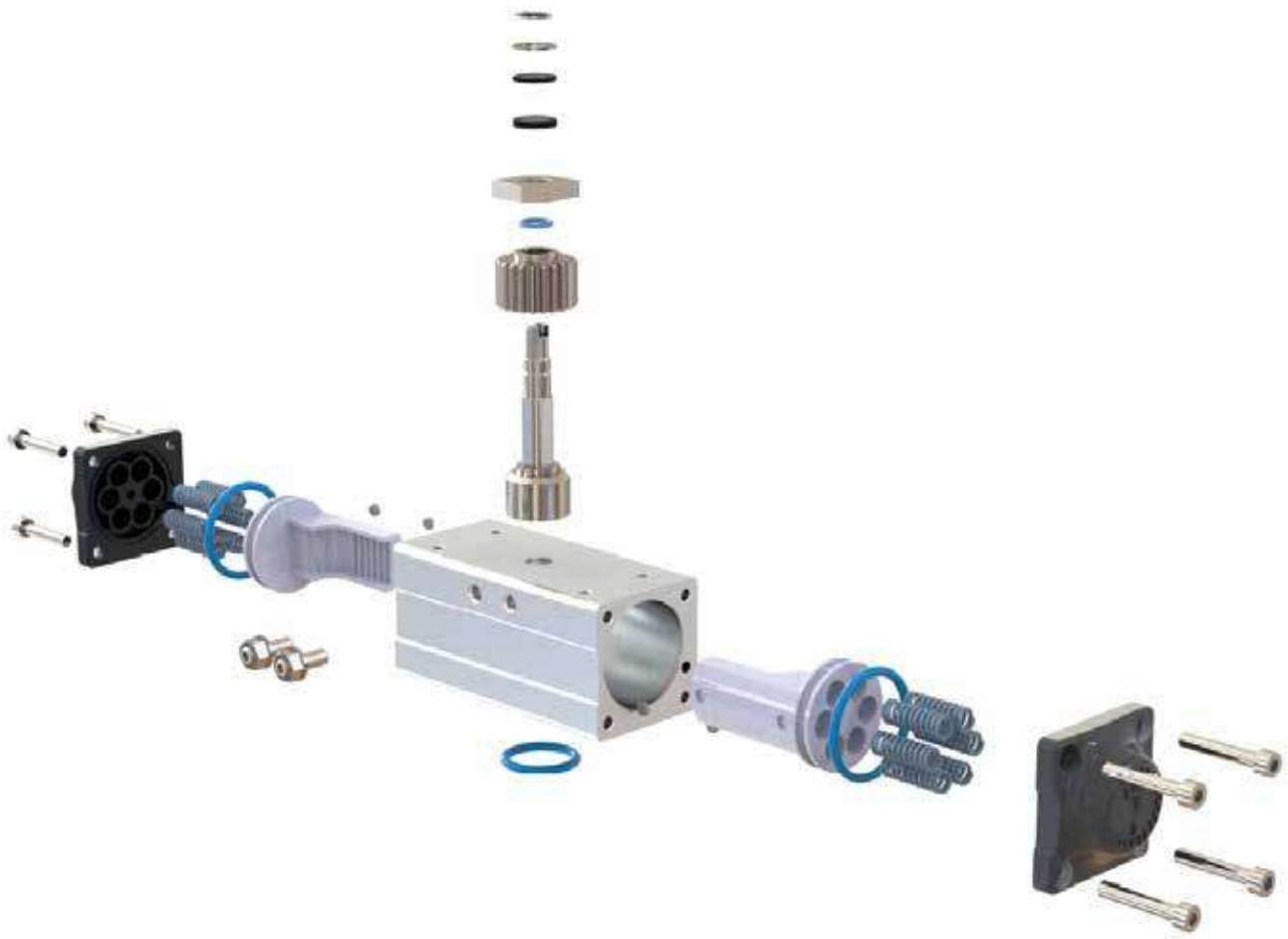
ULTRA COMPACT RACK&PINION ACTUATORS

- Port "A" Air to open (anti clockwise)
- Port "B" Air to close (clockwise)
- Air supply: 6 bar; maximum 8 bar
- Drive Medium = Air (Dry or lubricated); not corrosive Gas; light hydraulic oil
- Temperature= -50° to 160°C or -58 to 320° F
- Standard indicator position
- Basic Operating Details



The company reserves the right to operate dimensional changes without prior notice.

ULTRA COMPACT RACK&PINION ACTUATORS



REF NO	DESCRIPTION	QTY	MATERIAL STD UNIT	COMMENTS
1	Cylinder Body	1	Aluminium Anod.	
2	Driveshaft	1	Steel	Alt. CNI 425
3	Piston	2	Aluminium	Alt. Hard Anodized/PTFE
4	Endcap	2	Aluminium Anod.	
5	Spring	12 max	SiCr	S1 Double Acting only
6	Endcap Bolt	8	Stainless Steel	DIN921
7	Open Stop Adj.Bolt	2	Stainless Steel	ISO4026
8	Open Stop Adj. Nut	2	Stainless Steel	DIN934
9	Endcap 'O'Ring	2	Buna Nitrile	Alt. Viton/Silicone/EPDM
10	Piston Back-up Bearing	2	PTFE+CG	
11	Piston 'O'Ring	2	Buna Nitrile	Alt. Viton/Silicone/EPDM
12	Piston Guidebar	1	Steel	
13	Shim ring	1	Stainless Steel	DIN988
14	Driveshaft Circlip	1	Steel	DIN471
15	Driveshaft O'Ring	2	Buna Nitrile	Alt. Viton/Silicone/EPDM
16	Driveshaft Bearing	4	PTFE+CG	

TORQUES (NM) ACTUATOR GEMELS DOUBLE ACTING

		AIR SUPPLY						
MODEL	Mpa	0,3	0,4	0,5	0,55	0,6	0,7	0,8
	PSI	43,5	58	72,5	79,75	87	101,5	116
DA 15	Nm	7,1	9,5	11,8	13,3	14,2	16,6	19
	lbf-ft	5,24	7,01	8,70	9,81	10,47	12,24	14,01
DA 30	Nm	13,92	18,57	23,21	25,99	27,85	32,49	37,14
	lbf-ft	10,27	13,70	17,12	19,17	20,54	23,96	27,39
DA 60	Nm	28,49	37,98	47,48	53,18	56,98	66,47	75,97
	lbf-ft	21,01	28,01	35,02	39,22	42,03	49,03	56,03
DA 110	Nm	55,28	73,7	92,13	103,19	110,56	129,99	147,41
	lbf-ft	40,77	54,36	67,95	76,11	81,54	95,88	108,72
DA 220	Nm	111,42	148,57	185,71	207,99	222,85	259,99	297,17
	lbf-ft	82,18	109,58	136,97	153,41	164,37	191,76	219,18
DA 340	Nm	169,23	225,64	282,05	315,89	338,46	394,87	451,28
	lbf-ft	124,82	166,42	208,03	232,99	249,63	291,24	332,85

MAXIMUM OPERATING TIME PER SECOND (0.55 MPAG / 80 PSIG)

Actuator Size	DA15	D30	DA60	DA110	DA220	DA340
DA open	<1	<1	<1	<1	<1	<1
DA close	<1	<1	<1	<1	<1	<1
SR open	<1	<1	<1	<1	<1	<1
SR close	<1	<1	<1	<1	<1	<1

AIR CONSUMPTION PER STROKE

Actuator Size	DA15	D30	DA60	DA110	DA220	DA340
Port 'A' to open (liters)	0,03	0,14	0,08	0,28	0,28	0,55
Port 'B' to close (liters)	0,03	0,14	0,08	0,28	0,28	0,55
Port 'A' to open (cubic inch)	1,8	8,5	4,9	17,1	17,1	33,6
Port 'B' to close (cubic inch)	1,8	8,5	4,9	17,1	17,1	33,6

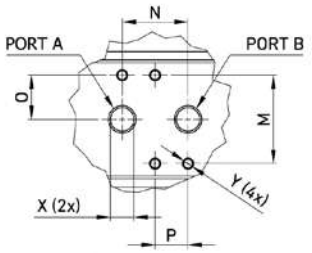
The company reserves the right to operate dimensional changes without prior notice.

DA ACTUATORS (DOUBLE ACTING)

TYPE	ISO5211		A	B	C	E	F	G	M	N	O	P	ØS	T	ØV	U	X	Y	SW	WEIGHT		ITEM CODE
DA15	F03	mm	131	22,5	45	20	65	45	32	24	16	12	M5	36	-	-	G1/8 x 12	M5X8	9	kg	0,29	FATAJRDA015AA0H
		inch	5,16	0,89	1,77	0,79	2,56	1,77	1,26	0,94	0,63	0,47		1,42					0,35	lb	0,64	
DA30	F03/F05	mm	155	26	52	20	72	52	32	24	16	12	M6	50	M5	36	G1/8 x 12	M5X8	14	kg	0,78	FATAJRDA030AA0H
		inch	6,10	1,02	2,05	0,79	2,83	2,05	1,26	0,94	0,63	0,47		1,97		1,42			0,55	lb	1,72	
DA60	F05/F07	mm	198	32,5	65	20	85	65	32	24	20	12	M8	70	M6	50	G1/8 x 12	M5X8	17	kg	1,67	FATAJRDA060AA0H
		inch	7,80	1,28	2,56	0,79	3,35	2,56	1,26	0,94	0,79	0,47		2,76		1,97			0,67	lb	3,68	
DA110	F05/F07	mm	244	40	80	20	100	80	32	24	20	12	M8	70	M6	50	G1/4 x 12	M5X8	17	kg	2,9	FATAJRDA110AA0H
		inch	9,61	1,57	3,15	0,79	3,94	3,15	1,26	0,94	0,79	0,47		2,76		1,97			0,67	lb	6,39	
DA220	F07/F10	mm	301	50	100	20	120	100	32	24	26	12	M10	102	M8	70	G1/4 x 12	M5X8	22	kg	3,3	FATAJRDA220AA0H
		inch	11,85	1,97	3,94	0,79	4,72	3,94	1,26	0,94	1,02	0,47		4,02		2,76			0,87	lb	7,33	
DA340	F07/F10	mm	344	55	110	20	130	110	32	24	26	12	M10	102	M8	70	G1/4 x 12	M5X8	22	kg	4,3	FATAJRDA340AA0H
		inch	13,54	2,17	4,33	0,79	5,12	4,33	1,26	0,94	1,02	0,47		4,02		2,76			0,87	lb	9,53	

TORQUES (NM) ACTUATOR GEMELS DOUBLE ACTING

TYPE	AIR SUPPLY		Nm	lbf-ft
DA15	MPa	0,6	14	10,33
	Psi	87		
DA30	MPa	0,6	28	20,65
	Psi	87		
DA60	MPa	0,6	57	42,04
	Psi	87		
DA110	MPa	0,6	110	81,13
	Psi	87		
DA220	MPa	0,6	223	164,48
	Psi	87		
DA340	MPa	0,6	339	250,03
	Psi	87		



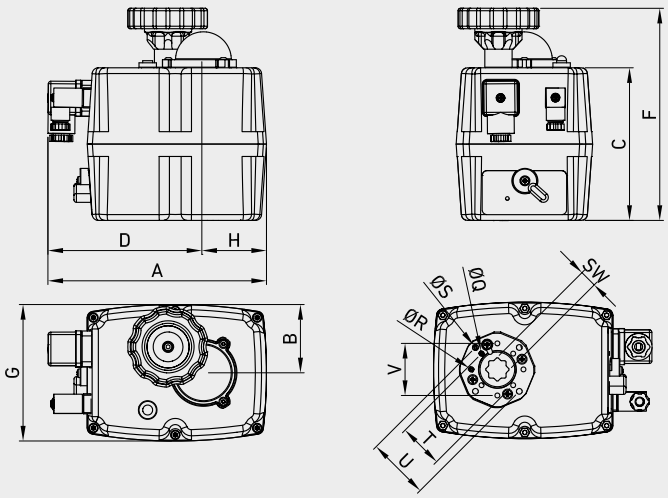
Solenoid mounting for all actuators





J4C ELECTRIC ACTUATOR

- Housing: Anticorrosive polyamide (lid & body)
- Main external shaft: Anticorrosive polyamide
- External screws: stainless steel
- Gears: steel and polyamide
- Visual position indicator: Polyamide
- Dome: Polycarbonate
- Adjustable internal cams: Polyamide
- Electric motor: 24VDS Brushless motor
- Insulation: Class B



OPTIONS

- J4C S20/S85 DPS 2015 digital positioner: 4-20mA, 0-20mA, 0-10V or 1-10V.
- J4C S20/S85 BSR 2015 emergency fail safe kit system by battery
- Digital potentiometer: 1K, 5K or 10K.
- 3 position actuator: 0o-45o-90o or 0o-90o-180° (only for J4C-S35)

TYPE	BALL VALVES	DN
J4C-20	GE-GHP-GN	06-10
J4C-35	GE-GHP-GN-GR-SB	13

The company reserves the right to operate dimensional changes without prior notice.

VALVE WITH ELECTRICAL ACTUATORS

TYPE	VOLTAGE	ISO5211		A	B	C	D	F	G	H	ØQ	ØR	ØS	T	U	V	SW	WEIGHT		ITEM CODE
J4C-S20	24 to 240 VAC/VDC	F03-F04-F05	mm	181	55	123	130	169	110	51	M5	M5	M6	36	50	42	9 or 11 or 14	kg	1,8	FAEJ3H2025HH
			inch	7,13	2,17	4,84	5,12	6,65	4,33	2,01				1,42	1,97	1,65		lb	3,97	
J4C-B20	12 VAC/VDC	F03-F04-F05	mm	181	55	123	130	169	110	51	M5	M5	M6	36	50	42	9 or 11 or 14	kg	1,8	FAEJ3L2025HH
			inch	7,13	2,17	4,84	5,12	6,65	4,33	2,01				1,42	1,97	1,65		lb	3,97	
J4C-S35	24 to 240 VAC/VDC	F03-F04-F05	mm	181	55	123	130	169	110	51	M5	M5	M6	36	50	42	9 or 11 or 14	kg	1,9	FAEJ3H3540HH
			inch	7,13	2,17	4,84	5,12	6,65	4,33	2,01				1,42	1,97	1,65		lb	4,19	
J4C-B35	12 VAC/VDC	F03-F04-F05	mm	181	55	123	130	169	110	51	M5	M5	M6	36	50	42	9 or 11 or 14	kg	1,9	FAEJ3L3540HH
			inch	7,13	2,17	4,84	5,12	6,65	4,33	2,01				1,42	1,97	1,65		lb	4,19	

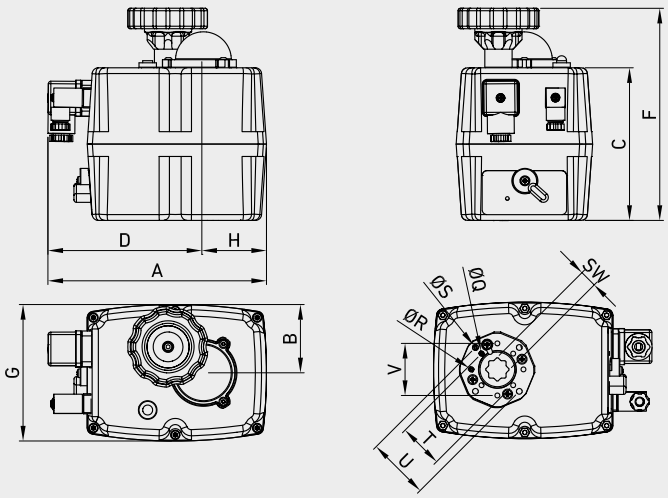
		J4C-S20	J4C-S35
Voltage		24 a to 240 VAC/VDC -0/+5% 12 VDC/VAC 0/+5% Change the power supply PCB	24 a to 240 VAC/VDC -0/+5% 12 VDC/VAC 0/+5% Change the power supply PCB
Operation time unload		10 Sec./90°	10 Sec./90°
Maximum torque break	Nm	25	38
	lbf-ft	18,44	28,03
Maximum operational torque	Nm	20	35
	lbf-ft	14,75	25,81
Duty rating %		75,00%	75,00%
Working angle		0° TO 270°	0° TO 270°
Limit switch		4 SPDT NO micro (2 motor stop and 2 confirmations)	4 SPDT NO micro (2 motor stop and 2 confirmations)
Heater		3,5W	3,5W
Big Plugs		EN175301-803 FORM A	EN175301-803 FORM A
Small Plug		DIN43650/C	DIN43650/C
IP rating		IP-67	IP-67
Temperature	C°	-20°+70°	-20°+70°
	F°	-4° + 158°	-4° + 158°
Weight	kg	1,8	1,9
	lbs	3,97	4,19





J4C ELECTRIC ACTUATOR

- Housing: Anticorrosive polyamide (lid & body)
- Main external shaft: stainless steel
- External screws: stainless steel
- Gears: Steel and polyamide
- Visual position indicator: Polyamide
- Dome: Polycarbonate
- Adjustable internal cams: Polyamide
- Electric motor: 24VDS Brushless motor
- Insulation: Class B



OPTIONS

- J4C S20/S85 DPS 2015 digital positioner: 4-20mA, 0-20mA, 0-10V or 1-10V.
- J4C S20/S85 BSR 2015 emergency fail safe kit system by battery
- Digital potentiometer: 1K, 5K or 10K.
- 3 position actuator: 0o-45o-90o or 0o-90o-180°

TYPE	BALL VALVES	DN
J4C-55	GE-GHP-GN-GR-SB	20
J4C-85	GE-GHP-GN-GR-SB	25

The company reserves the right to operate dimensional changes without prior notice.

VALVE WITH ELECTRICAL ACTUATORS

TYPE	VOLTAGE	ISO5211		A	B	C	D	F	G	H	ØQ	ØR	ØS	T	U	V	SW	WEIGHT		ITEM CODE
J4C-S55	24 to 240 VAC/VDC	F05-F07	mm	181	55	148	130	196	110	51	M6	M8	-	50	70	-	11 or 14 or 17	kg	2,4	FAEJ3H5560HH
			inch	7,13	2,17	5,83	5,12	7,72	4,33	2,01				1,97	2,76			lb	5,29	
J4C-B55	12 VAC/VDC	F05-F07	mm	181	55	148	130	196	110	51	M6	M8	-	50	70	-	11 or 14 or 17	kg	2,4	FAEJ3L5560HH
			inch	7,13	2,17	5,83	5,12	7,72	4,33	2,01				1,97	2,76			lb	5,29	
J4C-S85	24 to 240 VAC/VDC	F05-F07	mm	181	55	148	130	196	110	51	M6	M8	-	50	70	-	11 or 14 or 17	kg	3	FAEJ3H8590HH
			inch	7,13	2,17	5,83	5,12	7,72	4,33	2,01				1,97	2,76			lb	6,61	
J4C-B85	12 VAC/VDC	F05-F07	mm	181	55	148	130	196	110	51	M6	M8	-	50	70	-	11 or 14 or 17	kg	3	FAEJ3L8590HH
			inch	7,13	2,17	5,83	5,12	7,72	4,33	2,01				1,97	2,76			lb	6,61	

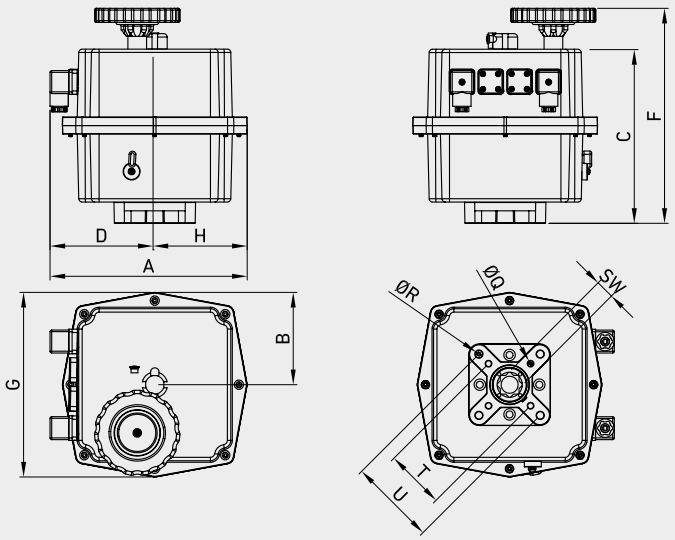
		J4C-S55	J4C-S85
Voltage		24 a to 240 VAC/VDC -0/+5% 12 VDC/VAC 0/+5%	24 a to 240 VAC/VDC -0/+5% 12 VDC/VAC 0/+5%
Operation time unload		13sec/90°	29sec/90°
Maximum torque break	Nm	60	90
	lbf-ft	44,25	66,38
Maximum operational torque	Nm	55	85
	lbf-ft	40,57	62,69
Duty rating %		75,00%	75,00%
Working angle		0° TO 270°	0° TO 270°
Limit switch		4 SPDT NO micro (2 motor stop and 2 confirmations)	4 SPDT NO micro (2 motor stop and 2 confirmations)
Heater		3,5W	3,5W
Big Plugs		EN175301-803 FORM A	EN175301-803 FORM A
Small Plug		DIN43650/C	DIN43650/C
IP rating		IP-67	IP-67
Temperature	C°	-20°+70°	-20°+70°
	F°	-4° + 158°	-4° + 158°
Weight	kg	2,4	3
	lbs	5,29	6,61





J4C ELECTRIC ACTUATOR

- Housing:
  Body and cover: anticorrosive polyamide
  Main external shaft: stainless steel
- Fastening: stainless steel
- Gears: steel and polyamide
- Indicator: polyamide + glass filled
- Internal cams: polyamide + glass filled
- Electric motor: 24VDS Brushless motor
- Insulation: class B
- Service S4
- Duty range: 75%



OPTIONS

- DPS2005 digital positioner: 0÷20mA, 4÷20mA o 0÷10V
- Digital potenciometer kit: 1K, 5K and 10K
- BSR battery fail safe kit
- 3 positions: 0° 45° 90° / 0° 90° 180°

TYPE	BALL VALVES	DN
J4-140	GB-GHP-GN-GR-SB	32-40
J4-300	GB-GHP-GN-GR-SB	50

The company reserves the right to operate dimensional changes without prior notice.

VALVE WITH ELECTRICAL ACTUATORS

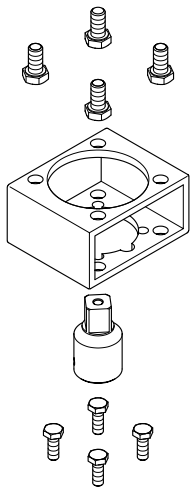
TYPE	VOLTAGE	ISO5211		A	B	C	D	F	G	H	ØQ	ØR	ØS	T	U	V	SW	WEIGHT	ITEM CODE
J4C-S140	24 to 240 VAC/VDC	F07-F10	mm	235	107	205	128	254	214	107	M6	M8	-	70	102	-	17 or 22	kg 5,2	FAEJ3H140170HH
			inch	9,25	4,21	8,07	5,04	10,00	8,43	4,21				2,76	4,02			lb 11,46	
J4C-B140	12 VAC/VDC	F07-F10	mm	235	107	205	128	254	214	107	M6	M8	-	70	102	-	17 or 22	kg 5,2	FAEJ3L140170HH
			inch	9,25	4,21	8,07	5,04	10,00	8,43	4,21				2,76	4,02			lb 11,46	
J4C-S300	24 to 240 VAC/VDC	F07-F10	mm	235	107	205	128	254	214	107	M6	M8	-	70	102	-	17 or 22	kg 5,2	FAEJ3H300350HH
			inch	9,25	4,21	8,07	5,04	10,00	8,43	4,21				2,76	4,02			lb 11,46	
J4C-B300	12 VAC/VDC	F07-F10	mm	235	107	205	128	254	214	107	M6	M8	-	70	102	-	17 or 22	kg 5,2	FAEJ3L300350HH
			inch	9,25	4,21	8,07	5,04	10,00	8,43	4,21				2,76	4,02			lb 11,46	

		J4C-S140	J4C-S300
Voltage		24 a to 240 VAC/VDC -0/+5% 12 VDC/VAC 0/+5%	24 a to 240 VAC/VDC -0/+5% 12 VDC/VAC 0/+5%
Operation time unload		25sec/90°	48sec/90°
Maximum torque break	Nm	170	350
	lbf-ft	125,39	258,15
Maximum operational torque	Nm	140	300
	lbf-ft	103,26	221,27
Duty rating %		75,00%	75,00%
Working angle		0° TO 270°	0° TO 270°
Limit switch		4 SPDT NO micro (2 motor stop and 2 confirmations)	4 SPDT NO micro (2 motor stop and 2 confirmations)
Heater		3,5W	3,5W
Big Plugs		EN175301-803 FORM A	EN175301-803 FORM A
Small Plug		DIN43650/C	DIN43650/C
IP rating		IP-67	IP-67
Temperature	C°	-20°+70°	-20°+70°
	F°	-4° + 158°	-4° + 158°
Weight	kg	5,2	5,2
	lbs	11,46	11,46

ACTUATORS KITS

KIT WASHER
ONLY FOR GN-GB VALVES

KIT ACTUATOR
C0034406H FROM DN6 TO DN32
C0034306H FOR DN40-DN50



TYPE	BALL VALVES	DN	MATERIAL	ISO5211	WEIGHT		ITEM CODE
AK65	SB	65-80	CARBON STEEL	F05 F07-F05	kg	0,74	K0C00AK651X
					lb	1,63	
AK32	SB	32-40	CARBON STEEL	F05 F07-F05	kg	0,60	K0C00AK321X
					lb	1,32	
AK40	GB-GHP-GN-GR-SB	32-40	CARBON STEEL	F05 F07-F05	kg	0,67	K0C00AK401X
					lb	1,48	
AK20	GE-GB-GHP-GN-GR-SB	20-25	CARBON STELL	F05 F07-F05	kg	0,52	K0C00AK201X
					lb	1,15	
AK6	GE-GHP-GN-GR-SB	06-10-13	CARBON STEEL	F03-F03	kg	0,25	K0C00AK61X
					lb	0,55	
AK13	GE-GHP-GN-GR	13	CARBON STEEL	F03-F05	kg	0,31	K0C00AK131X
					lb	0,68	
AK100	GR-SB	100-125	CARBON STEEL	F10 F12-F12	kg	2,05	K0C00AK1001X
					lb	4,52	
AK50	GB-GHP-GN-GR-SB	50	CARBON STEEL	F05 F07-F05	kg	0,71	K0C00AK501X
					lb	1,57	
AK6S	GN	06-10-13	CARBON STEEL	F03 F05-F03 F05	kg	0,30	K0C00AK6S1X
					lb	0,66	

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J4C 20 CONSUMPTION

			Unload		Max. Operational Torque 20Nm		Max. Torque Break 25Nm	
Voltage	Model		A	W	A	W	A	W
12VDC	B20	Nm	0,75	9,06	1,8	21,6	1,95	23,36
		lbf-ft	0,55	6,68	1,33	15,93	1,44	17,23
24VDC	S20	Nm	0,45	10,77	0,9	21,49	0,97	23,39
		lbf-ft	0,33	7,94	0,66	15,85	0,72	17,25
48VDC	S20	Nm	0,21	9,93	0,42	20,38	0,46	22,07
		lbf-ft	0,15	7,32	0,31	15,03	0,34	16,28
110 VDC	S20	Nm	0,07	8	0,13	14,3	0,14	15,7
		lbf-ft	0,05	5,90	0,10	10,55	0,10	11,58
12VAC	B20	Nm	1,04	12,51	1,85	22,18	2,28	27,32
		lbf-ft	0,77	9,23	1,36	16,36	1,68	20,15
24VAC	S20	Nm	0,59	14,2	1,12	26,77	1,28	30,62
		lbf-ft	0,44	10,47	0,83	19,74	0,94	22,58
48VAC	S20	Nm	0,34	16,37	0,69	33,16	0,75	36,22
		lbf-ft	0,25	12,07	0,51	24,46	0,55	26,71
110 VAC	S20	Nm	0,14	15,73	0,27	29,52	0,3	32,67
		lbf-ft	0,10	11,60	0,20	21,77	0,22	24,10
240 VAC	S20	Nm	0,1	23,76	0,15	36,43	0,16	39,07
		lbf-ft	0,07	17,52	0,11	26,87	0,12	28,82

J4C 35 CONSUMPTION

			Unload		Max. Operational Torque 35Nm		Max. Torque Break 38Nm	
Voltage	Model		A	W	A	W	A	W
12VDC	B35	Nm	0,75	9,06	2,38	28,62	2,62	31,5
		lbf-ft	0,55	6,68	1,76	21,11	1,93	23,23
24VDC	S35	Nm	0,45	10,77	1,28	30,78	1,37	32,79
		lbf-ft	0,33	7,94	0,94	22,70	1,01	24,18
48VDC	S35	Nm	0,21	9,93	0,56	26,72	0,59	28,2
		lbf-ft	0,15	7,32	0,41	19,71	0,44	20,80
110 VDC	S35	Nm	0,07	7,7	0,17	18,9	0,18	20,1
		lbf-ft	0,05	5,68	0,13	13,94	0,13	14,82
12VAC	B35	Nm	1,04	12,51	2,75	33	3,19	38,28
		lbf-ft	0,77	9,23	2,03	24,34	2,35	28,23
24VAC	S35	Nm	0,59	14,2	1,58	37,8	1,67	40,13
		lbf-ft	0,44	10,47	1,17	27,88	1,23	29,60
48VAC	S35	Nm	0,34	16,37	0,92	44,04	0,99	47,31
		lbf-ft	0,25	12,07	0,68	32,48	0,73	34,89
110 VAC	S35	Nm	0,14	15,73	0,36	39,45	0,38	41,87
		lbf-ft	0,10	11,60	0,27	29,10	0,28	30,88
240 VAC	S35	Nm	0,1	23,76	0,19	45,41	0,2	47,52
		lbf-ft	0,07	17,52	0,14	33,49	0,15	35,05

J4C 55 CONSUMPTION

			Unload		Max. Operational Torque 55Nm		Max. Torque Break 60Nm	
Voltage	Model		A	W	A	W	A	W
12VDC	B55	Nm	0,7	8,45	3,04	36,43	3,42	41,05
		lbf-ft	0,52	6,23	2,24	26,87	2,52	30,28
24VDC	S55	Nm	0,42	10,19	1,55	37,17	1,63	39,02
		lbf-ft	0,31	7,52	1,14	27,42	1,20	28,78
48VDC	S55	Nm	0,2	9,72	0,61	29,25	0,67	32,31
		lbf-ft	0,15	7,17	0,45	21,57	0,49	23,83
110 VDC	S55	Nm	0,07	7,5	0,19	20,8	0,21	23,2
		lbf-ft	0,05	5,53	0,14	15,34	0,15	17,11
12VAC	B55	Nm	0,94	11,3	3,43	41,18	3,78	45,41
		lbf-ft	0,69	8,33	2,53	30,37	2,79	33,49
24VAC	S55	Nm	0,58	13,89	1,87	44,88	1,98	47,52
		lbf-ft	0,43	10,24	1,38	33,10	1,46	35,05
48VAC	S55	Nm	0,33	15,73	1,1	52,8	1,21	58,29
		lbf-ft	0,24	11,60	0,81	38,94	0,89	42,99
110 VAC	S55	Nm	0,14	15,73	0,4	43,8	0,43	46,95
		lbf-ft	0,10	11,60	0,30	32,31	0,32	34,63
240 VAC	S55	Nm	0,09	22,7	0,2	47,52	0,21	50,16
		lbf-ft	0,07	16,74	0,15	35,05	0,15	37,00

J4C 85 CONSUMPTION

			Unload		Max. Operational Torque -85Nm		Max. Torque Break -90Nm	
Voltage	Model		A	W	A	W	A	W
12VDC	B85	Nm	0,62	7,42	2,11	25,34	2,28	27,32
		lbf-ft	0,46	5,47	1,56	18,69	1,68	20,15
24VDC	S85	Nm	0,36	8,55	1,08	25,87	1,22	29,3
		lbf-ft	0,27	6,31	0,80	19,08	0,90	21,61
48VDC	S85	Nm	0,17	8,24	0,48	22,92	0,53	25,56
		lbf-ft	0,13	6,08	0,35	16,90	0,39	18,85
110 VDC	S85	Nm	0,05	5,8	0,14	15,2	0,16	17,9
		lbf-ft	0,04	4,28	0,10	11,21	0,12	13,20
12VAC	B85	Nm	0,81	9,69	2,38	28,51	2,65	31,81
		lbf-ft	0,60	7,15	1,76	21,03	1,95	23,46
24VAC	S85	Nm	0,5	11,88	1,36	32,74	1,5	36,01
		lbf-ft	0,37	8,76	1,00	24,15	1,11	26,56
48VAC	S85	Nm	0,25	11,83	0,77	37,07	0,86	41,18
		lbf-ft	0,18	8,73	0,57	27,34	0,63	30,37
110 VAC	S85	Nm	0,12	12,83	0,31	33,64	0,33	36,54
		lbf-ft	0,09	9,46	0,23	24,81	0,24	26,95
240 VAC	S85	Nm	0,08	20,06	0,17	40,13	0,18	42,77
		lbf-ft	0,06	14,80	0,13	29,60	0,13	31,55

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J4C 140 CONSUMPTION

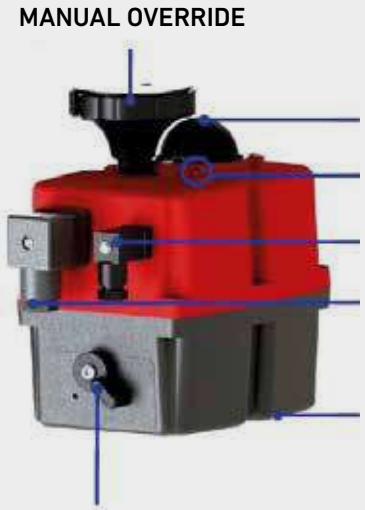
			Unload		Max. Operational Torque -140Nm		Max. Torque Break -170Nm	
Voltage	Model		A	W	A	W	A	W
12VDC	B140	Nm	1,93	23,1	4,73	56,76	5,39	64,68
		lbf-ft	1,42	17,04	3,49	41,86	3,98	47,71
24VDC	S140	Nm	0,66	15,84	2,15	51,48	2,53	60,72
		lbf-ft	0,49	11,68	1,59	37,97	1,87	44,78
48VDC	S140	Nm	0,3	14,25	0,88	42,24	1,1	52,8
		lbf-ft	0,22	10,51	0,65	31,15	0,81	38,94
110 VDC	S140	Nm	0,1	10,89	0,28	30,25	0,39	42,35
		lbf-ft	0,07	8,03	0,21	22,31	0,29	31,24
12VAC	B140	Nm	2,75	33	6,6	79,2	8,47	101,64
		lbf-ft	2,03	24,34	4,87	58,41	6,25	74,97
24VAC	S140	Nm	0,83	19,8	2,59	62,04	3,3	79,2
		lbf-ft	0,61	14,60	1,91	45,76	2,43	58,41
48VAC	S140	Nm	0,48	23,23	1,43	68,64	1,79	86,06
		lbf-ft	0,35	17,13	1,05	50,63	1,32	63,47
110 VAC	S140	Nm	0,23	25,41	0,63	68,97	0,72	78,65
		lbf-ft	0,17	18,74	0,46	50,87	0,53	58,01
240 VAC	S140	Nm	0,18	42,24	0,39	90,4	0,44	105,6
		lbf-ft	0,13	31,15	0,29	66,68	0,32	77,89

J4C 300 CONSUMPTION

			Unload		Max. Operational Torque -300Nm		Max. Torque Break -350Nm	
Voltage	Model		A	W	A	W	A	W
12VDC	B300	Nm	1,32	15,84	5,17	62,04	5,45	65,34
		lbf-ft	0,97	11,68	3,81	45,76	4,02	48,19
24VDC	S300	Nm	0,5	11,88	2,31	55,44	2,7	64,68
		lbf-ft	0,37	8,76	1,70	40,89	1,99	47,71
48VDC	S300	Nm	0,22	10,56	1,1	52,8	1,19	57,02
		lbf-ft	0,16	7,79	0,81	38,94	0,88	42,06
110 VDC	S300	Nm	0,09	9,68	0,33	36,3	0,39	42,35
		lbf-ft	0,07	7,14	0,24	26,77	0,29	31,24
12VAC	B300	Nm	1,98	23,76	7,26	87,12	8,64	103,62
		lbf-ft	1,46	17,52	5,35	64,26	6,37	76,43
24VAC	S300	Nm	0,66	15,84	2,75	66	3,3	79,2
		lbf-ft	0,49	11,68	2,03	48,68	2,43	58,41
48VAC	S300	Nm	0,36	17,42	1,65	79,2	1,87	89,76
		lbf-ft	0,27	12,85	1,22	58,41	1,38	66,20
110 VAC	S300	Nm	0,19	20,57	0,66	72,6	0,77	84,7
		lbf-ft	0,14	15,17	0,49	53,55	0,57	62,47
240 VAC	S300	Nm	0,15	36,96	0,42	100,32	0,47	113,52
		lbf-ft	0,11	27,26	0,31	73,99	0,35	83,73

TECHNICAL DATA

ELECTRIC ACTUATOR



3 WIRES ON - OFF

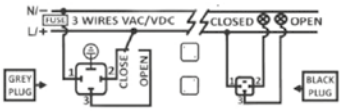
A = power supply plug

A: VAC 3 WIRES (Grey plug)
PIN 1 = Neutral + PIN 2 = Phase = Close
PIN 1 = Neutral + PIN 3 = Phase = Open

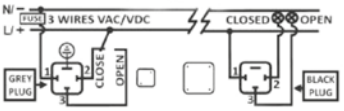
A: VDC 3 WIRES (Grey plug)
PIN 1 = (-) Negative + PIN 2 = Phase = Close
PIN 1 = (-) Negative + PIN 3 = Phase = Open

B: Volt free contact, plug
PIN 1 / PIN 2 = Close
PIN 1 / PIN 3 = Open

J4C 20/85



J4C 20/85



ON-OFF ACTUATOR	ACTUATOR OPERATIONAL STATUS
Without power supply	
In open position	
In close position	
Opening	
Closing	
Torque limiter function on, moving from close to open	
Torque limiter function on, moving from open to open	
Actuator in manual mode (exceed time)	
The actuators has stopped (no close/no open position)	
In middle position	

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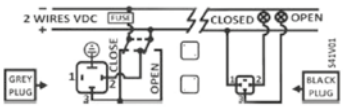
2 WIRES ON - OFF

A = power supply plug

A: VDC 2 WIRES (Grey plug)
PIN 2 = (+) Positive + PIN 3 = (-) Negative = Close
PIN 2 = (-) Negative + PIN 3 = (+) Positive = Open

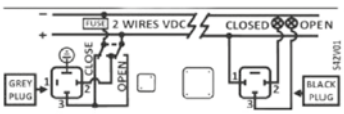
B: Volt free contact, plug
PIN 1 / PIN 2 = Close
PIN 1 / PIN 3 = Open

J4C 20/85



A B

J4C 20/85



A B



LIMIT SWITCH

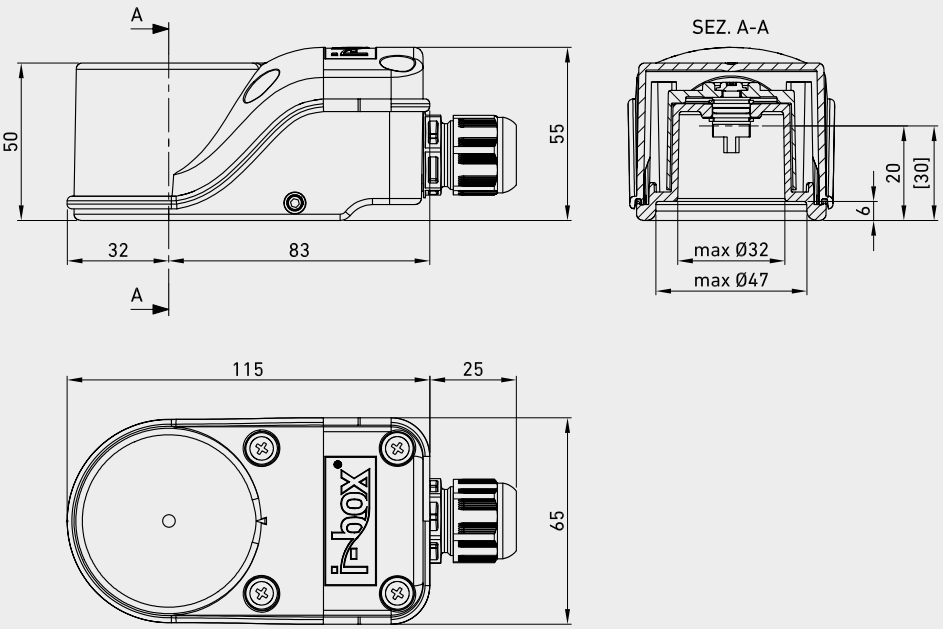
Edition. 21.2

ACTUATED / MANUAL VALVES



The company reserves the right to operate dimensional changes without prior notice.

LIMIT SWITCH



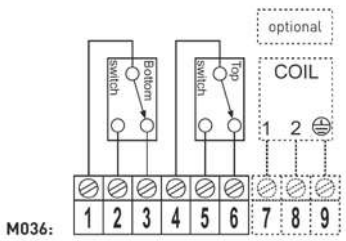


IP

CODE	DESCRIPTION	HOLES
FA1AAAAA010AA0H	Limit switch IP2M01	80x30

DESCRIPTION

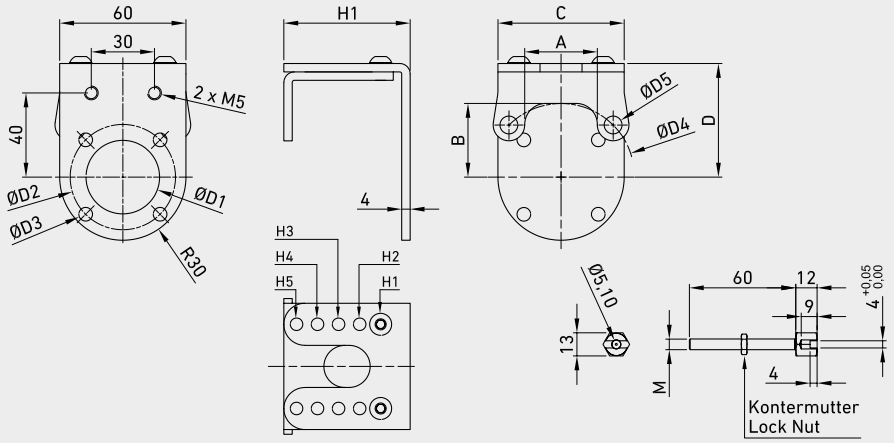
- Very compact limit switch box polyamide PA6
- Transparent polycarbonate cover with integrated large OPEN-COSED indicator (Optional 2D indicator for L- or T-bores)
- Direct mounting without mounting bracket on actuators according to VDI/VDE 3845: Hole spacing: 80 x 30mm Shaft heights: 20
- Easy and time-saving fastening system
- Enclosure IP66 + IP67 according to DIN EN 60529 (tested by external test laboratory)
- Cable gland M20x1,5 black (for cable Ø 6-12mm)
- Sealings TPE and NBR, Screws AISI 304, Stainless steel Shaft AISI 303
- Application: Standard applications without explosive atmosphere.
  1-2 mechanical switches
  1-2 proximity sensors in V3 design
- Atex available on request



LIMIT SWITCH

KITS





IP

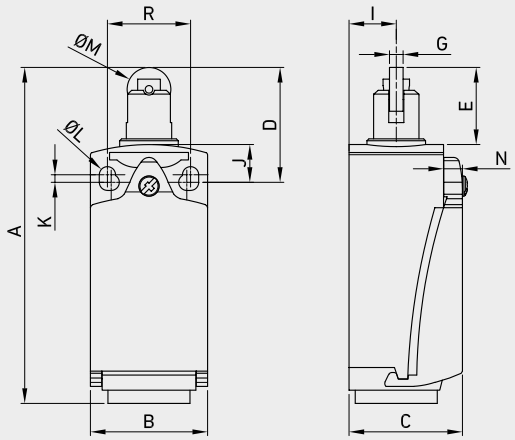
CODE	BALL VALVES	DN
K07A0018421000H	GE-GPK-G3K/G4K	DN6 DN10 DN13
K07A0018121000H	GE-GPK-G3K/G4K	DN20
K07A0018121000H	GE-GPK	DN25
K07A0019521000H	GB-GPK	DN32 DN40 DN50

QUOTE		K07A0018421000H	K07A0018121000H
A	mm	16	24,36
	inch	0,63	0,96
B	mm	20	15
	inch	0,79	0,59
C	mm	60	60
	inch	2,36	2,36
D	mm	54	54
	inch	2,13	2,13
D1	mm	35,5	35,5
	inch	1,40	1,40
D2	mm	50	50
	inch	1,97	1,97
D3	mm	6,5	6,5
	inch	0,26	0,26
D4	mm	36	50
	inch	1,42	1,97
D5	mm	5,3	6,5
	inch	0,21	0,26
H1	mm	60	60
	inch	2,36	2,36
H2	mm	70	70
	inch	2,76	2,76
H3	mm	80	80
	inch	3,15	3,15
H4	mm	90	90
	inch	3,54	3,54
H5	mm	100	100
	inch	3,94	3,94

DESCRIPTION

- This mounting kit helps you to add a position feedback in form of a limit switch box to your manual valve. The mounting kit includes the following parts:
- Upper part with F05 flange and hole spacing 80x30mm e.g. for i-box assembly
- Bottom part matching the ISO top flange of the valve (F03-F05)
- Drive screw (M4-M6-M8), length: 60mm
- Lock nut for height fixation
- All parts stainless steel AISI 304 or AISI 303

The company reserves the right to operate dimensional changes without prior notice.





OSISWITCH METAL

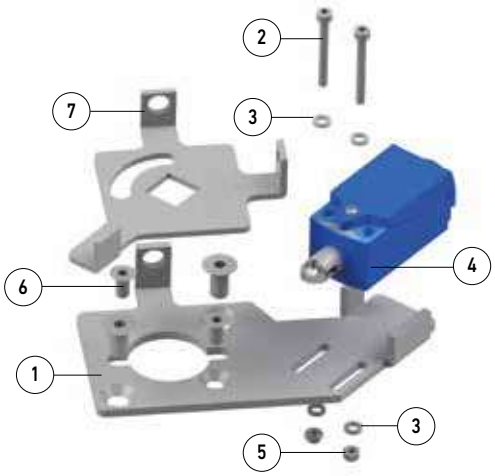
CODE	DESCRIPTION		A	B	C	D	E	F	G	H	J	K	L	M	N	WEIGHT	ITEM CODE
FLSXCKDZCE02HH	AC 15 240V 3A ITH 10A	mm	99,5	31	30	30	20,6	12,5	3	22	9,41	1,91	2	5,8	5	kg 5,2	FAEJ3H140170HH
		inch	3,92	1,22	1,18	1,18	0,81	0,49	0,12	0,87	0,37	0,08	0,08	0,23	0,20	lb 11,46	

DESCRIPTION

- Ambient air temperature:
- operation: -25°C to +70°C - storage: -40°C to +70°C
- Vibration resistance: conforming to IEC 60068-2-6
- Shock resistance: conforming to IEC 60068-2-27
- Electric shock protection:
- Class II conforming to IEC 61140 and NF C 20-030 for XCKP and XCKT
- Class I conforming to IEC 61140 and NF C 20-030 for XCKD
- Degree of protection: IP66 and IP67 conforming to IEC 60529; IK4 conforming to EN50102 for XCKP and XCKT, IK06 conforming to EN50102 for XCKD
- Repeat accuracy: 0,1mm on the tripping points, with 1 milion operating cycles for head with end plunger
- Material: metal

LIMIT SWITCH OSISWITCH METAL KITS

CODE	BALL VALVES	DN
K0M00LS6EHH	GE - GV	DN6 DN10 DN13
K0M00LS6NHH	GN	DN6 DN10 DN13
K0M00LS20EHH	GE - GV	DN20 DN25
K0M00LS20NHH	GN	DN20 DN25
K0M00LS32BHH	GB - GV	DN32 DN40 DN50
K0M00LS32NHH	GN	DN32 DN40 DN50



POS	DESCRIPTION	Q.TY
1	Lower bracket	1
2	T.C.E.I. screw	2
3	Washer	4
4	Limit switch compact metal	1
5	Stem	2
6	Bonnet	4
7	Cover Plate	1

UNIVERSAL, XCKD METAL

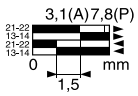


■ **XCKD with 1 cable entry**
Conforming to CENELEC EN 50047

□ **XCKD with head for linear movement (plunger)**
Mounting by the head or by the body

Environment characteristics		
Conforming to standards	Products Machine assemblies	IEC 60947-5-1, EN 60947-5-1, UL 508, CSA C22-2 n° 14 IEC 60204-1, EN 60204-1
Product certifications		UL, CSA, CCC
Protective treatment	Standard version	"TC"
Ambient air temperature	Operation	-25 ... +70 °C (-13 ... +158 °F)
	Storage	-40 ... +70 °C (-40 ... +158 °F)
Vibration resistance	Conforming lo IEC 60068-2-6	25 gn (10 ... 500 Hz) except switch with head ZCE 24: 20 gn
Shock resistance	Conforming te IEC 60068-2-27	50 gn (11 ms) except heads ZCE08: 15 gn (11 ms) and ZCE24: 30 gn (18 ms)
Electric shock protection		Class I conforming lo IEC 61140 and NF C 20-030 for **XCKD**
Degree of protection		IP 66 and IP 67 conforming to IEC 60529; IK 06 conforming to EN 50102 for XCKD
Repeat accuracy		0.1 mm on the tripping points, with 1 million operating cycles for head with end plunger
Cable entry or integral connector	Depending on model	Either: tapped entry for PG 11 or PG 13 conduit thread, tapped ISO M16 x 1.5 or ISO M20 x 1.5, tapped 1/2" NPT, tapped PF 1/2 (G1/2) or integrai M12 connector
Materials		**XCKD**: Zamak® bodies and heads

UNIVERSAL, XCKD-COMPLETE UNITS WITH 1/2” NPT CABLE ENTRY

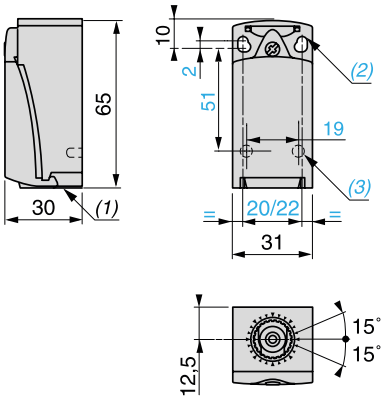
Type of head	Plunger (mounting by the body}	
		Form C *(1)*
		
Type of operator		Steel roller plunger
Catalog Numbers *(2) (3)*		
 **2-pole N/C + N/O snap action (XE2S P2151)**		**XCKD2102N12** 

Characteristics			
Switch actuation		On end	By 30° cam
Type of actuation			
Maximum actuation speed		0.5 m/s (1.64 lt/s)	
Minimum force or torque	Far tripping	15 N (3.37 lb)	12 N (2.70 lb)
	For positive opening	45 N (10.12 lb)	36 N (8.09 lb)
Cable entry *(3)*		1 entry tapped M16 x 1.5 mm tor ISO cabla entry, clamping capacity 4 to 8 mm (0.16 to 0.31 in.)	

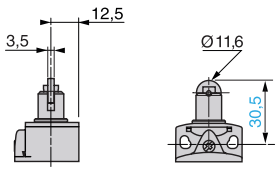
1. Form conforming to EN 50047, contact our customer service.
2. Switches with gold contacts or ring type connections: please consult your local sales office.
3. For any entry tapped for a PG 11 conduit thread, replace N12 in the catalog number G1. Examples: XCKD2110N12 becomes XCXD2110G11, ZCDEN12 becomes ZCDEG11.

UNIVERSAL, XCKD-COMPLETE UNITS WITH 1/2" NPT CABLE ENTRY

ZCD2• + ZCDEN12 / ZCD3• + ZCDEN12

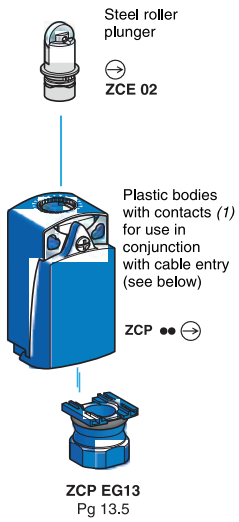


ZCE02



1. Tapped entry for ISO M16 x 1.5 or PG 11 conduit thread.
2. 2 elongated holes Ø 4.3 x 6.3 mm (0.17 x 0.25 in.) on 22 mm (0.87 in.) centers, 2 holes Ø 4.3 mm (0.17 in.) on 20 mm (0.79 in.) centers.
3. 2 x Ø 3 holes for support studs, depth 4 mm (0.16 in.).
4. Mounting nut thickness 3.5 mm (0.14 in.)

UNIVERSAL, XCKD



1. For further details, contact our customer service.
2. Cannot be used on bodies: ZCD21, ZCP21, ZCT21, ZCD29, ZCP29, ZCD31, ZCP31, ZCD39, ZCP39, ZCD2•M12, ZCP2•M12

The company reserves the right to operate dimensional changes without prior notice.


CO
CO
CO2





TECH

One of **GEMELS** main focus is the quality. There is a quality laboratory with different machines, like Climatic Room, Burst Test Machine, Impulse Test Machine, Salt Spray Machine, Tridimentional check and many others. Every day we run several tests on 100% of the pieces of the valves that we produce. **GEMELS** can run also NDT test and other special tests according to customers' requests. In **GEMELS** assembling department we have also test benches. Thanks to our over 50 years' experience, we can help our customers to select the correct suitable solution and product for their application, depending on materials, services and other requirements and needs.

Edition. 21.0

CHEMICAL RESISTANCE TO FLUIDS

	Materials resistance to fluids		Ball seats - Chemical resistance to fluids				
	Steel	Stainless Steel	PEEK	POM	PTFE	GEMPTFE	PA612
A							
Acetamide 50%	–	–	–	–	A	A	A
Acetic acid conc.	B	A	A	B	A	A	C
Acetic acid 10%	–	–	A	A	A	A	C
Acetic acid 5%	–	–	A	A	A	A	A
Acetic acid ethyl ester	B	A	A	A	A	A	B
Acetone	A	A	-	-	-	-	-
Acetylene (ethin)	A	A	A	A	A	A	B
Air	A	A	A	A	A	A	B
Ammonium chloride	C	A	B	B	A	A	B
Ammonia 10%	A	A	A	A	A	A	A
Amyl Alcohol	–	A	B	–	A	A	–
Aniline	B	A	A	A	A	A	B
Argon, gaseous	A	A	A	A	A	A	A
ATE brake fluid	A	A	A	A	A	A	A
B							
Beer	–	A	B	A	A	A	-
Beet sugar juice	B	A	A	A	A	A	A
Benzene	A	A	A	A	A	A	B
Benzine, leaded	A	A	A	A	A	A	A
Bitumen	A	A	–	A	A	A	B
Borax	B	B	A	A	A	A	A
Boric acid 10%	–	B	A	A	A	A	A
Brine	B	A	A	A	A	A	A
Bromine	–	A	B	–	A	A	–
Butane	A	A	A	A	A	A	A
Butylacetate	–	–	–	A	A	A	A
Butylene glycol	–	–	A	–	-	-	-
C							
Calcium chloride 10%	–	B	A	A	A	A	A
Carbon dioxide, dry	A	A	A	–	A	A	–
Carbon dioxide, wet	A	A	A	–	A	A	A
Carbon disulphide	–	–	A	–	A	A	–
Carbonlineum	–	–	A	–	A	A	–
Carbon tetrachloride	–	–	A	A	A	A	A
Chlorine 100°C	B	B	B	–	A	A	–
Chlorine water	–	A	B	–	A	A	–
Chlorobenzene	–	–	A	–	B	B	–
Chloroform	B	A	–	C	A	A	B
Chromic acid	–	B	B	–	A	A	–
Citric acid 10%	C	B	A	A	A	A	B
Clophen A 80 50%	–	–	–	A	A	A	A
Coconut oil	–	B	A	–	A	A	B
Coffee	–	B	A	–	A	A	–
Copper sulphate	–	–	–	–	A	A	A
Cyclohexane	–	–	A	A	A	A	A
Cycloexanol	B	A	–	A	A	A	B
Cycloexanone	–	–	-	-	-	-	-

	Materials resistance to fluids		Ball seats - Chemical resistance to fluids				
	Steel	Stainless Steel	PEEK	POM	PTFE	GEMPTFE	PA612
D							
Diacetone alcohol	–	A	B	–	A	A	–
Diesel oil	A	A	A	A	A	A	B
Dichlorbenzene	–	A	B	–	A	A	B
Diethylene glycol	B	A	A	A	A	A	–
Dimethylformamide	–	–	A	A	C	C	C
Dimethyl Ketone (acetone)	B	A	A	–	A	A	–
Dioctylphthalate	–	–	–	A	A	A	A
Dioxan	–	–	A	B	A	A	A
E							
Edible oil, Edible fat	–	–	A	–	A	A	A
Ethandiol	B	A	–	–	A	A	B
Ethane	B	B	–	A	A	A	A
Ethanol 96%	B	A	A	A	A	A	A
Ether	A	A	–	B	A	A	–
Ethyl Acetate	B	B	A	B	A	A	B
Ethyl alcohol	B	A	A	A	A	A	B
Ethyl benzene	A	A	A	A	A	A	B
Ethylene	B	A	A	A	A	A	B
Ethylene glycole	B	A	A	B	A	A	B
Ethylene trichloride (Tri)	B	A	A	B	A	A	B
Ethylene Chloride	–	–	B	C	A	A	B
F							
Fatty acids 100°C	C	A	A	A	A	A	–
Fatty acids 200°C	C	A	B	–	A	A	–
Ferric chloride	C	A	B	–	A	A	A
Flue gas	B	A	A	A	A	A	A
Formaldehyde 30%	C	A	A	A	A	A	A
Formamide	–	–	–	–	A	A	A
Formic acid 10%	C	B	A	A	A	A	C
Freon 11,13,14,32	B	A	B	–	A	A	B
Freon 22,31,114,115	B	A	B	–	A	A	B
Frigen	–	–	C	–	-	-	-
Fruit juices	C	A	A	–	A	A	A
Fuel oil	B	A	A	–	A	A	B
G							
Gasoline	A	A	A	A	A	A	A
Gelatine	–	A	A	A	A	A	A
Glucose	B	A	A	A	A	A	B
Glycerine	B	A	A	A	A	A	A
Glycol	B	A	A	A	A	A	B
Glycol acids	–	A	A	–	A	A	–
Glysantin 40%	–	–	A	A	A	A	A
Grease	A	A	A	A	A	A	A

CHEMICAL RESISTANCE TO FLUIDS

	Materials resistance to fluids		Ball seats - Chemical resistance to fluids				
	Steel	Stainless Steel	PEEK	POM	PTFE	GEMPTFE	PA612
H							
Helium, gaseous	A	A	A	A	A	A	A
Heptane	B	A	A	A	A	A	A
Hexane	B	B	A	A	A	A	A
Hydrochloric acid 36%	–	–	A	–	A	A	–
Hydrochloric acid 2%	–	A	A	–	A	A	–
Hydrofluoric acid	–	–	C	–	A	A	–
Hydrogen peroxide 30%	C	B	B	C	A	A	C
Hydrogen peroxide 0,5%	–	–	A	A	A	A	C
Hydrogen sulphide	–	–	A	–	A	A	–
I							
Ink	C	A	A	A	A	A	
Isobutylalcohol	B	B	B	–	A	A	–
Isocyanat	A	A	A	A	A	A	B
Isooctane	A	A	A	–	A	A	B
Isopropanol	–	–	A	A	A	A	A
Isopropylalcohol	B	B	B	B	A	A	B
K							
Kerosene	B	A	A	B	A	A	B
L							
Lactic acid 90%	–	–	A	A	A	A	C
Lactic acid 10%	–	–	A	A	A	A	A
Lineseed oil	A	B	A	A	A	A	A
M							
Magnesium chloride	B	B	A	A	A	A	B
Margarine	–	A	A	A	A	A	A
Menthol	–	B	A	–	A	A	–
Mercury	A	A	A	A	A	A	A
Merury dichloride	–	B	B	–	A	A	A
Mercury monochloride	–	B	B	–	A	A	–
Methane	A	A	A	A	A	A	A
Methanol	B	A	A	A	A	A	A
Methyl ethyl ketone	–	–	A	B	A	A	A
Methylene chloride	B	A	A	B	A	A	C
Milk	–	A	A	A	A	A	
Motor oil/Engine oil	–	–	A	A	–	–	–
N							
Naphta (stone-oil)	B	A	A	A	A	A	A
Naphtalene	B	B	A	A	A	A	A
Neon, gaseous	A	A	A	A	A	A	A
Nitric acid 2%	B	B	A	C	A	A	C
Nitrobenzene	B	A	A	–	A	A	B

	Materials resistance to fluids		Ball seats - Chemical resistance to fluids				
	Steel	Stainless Steel	PEEK	POM	PTFE	GEMPTFE	PA612
O							
Octane	–	A	A	A	A	A	A
Oleic acid 100°C	B	A	A	A	A	A	A
Oleic acid 200°C	–	A	B	–	A	A	–
Olive oil	A	A	A	A	A	A	A
Oxygen, gaseous 60°C	B	A	A	A	A	A	–
Oxalic acid 10%	–	–	A	C	A	A	B
Ozone	B	A	A	C	A	A	B
P							
Paraffin oil	–	A	A	A	A	A	B
Pectin	–	A	B	–	A	A	–
Perchloroethylene	A	A	A	A	A	A	B
Petroleum white spirit	A	A	A	–	A	A	C
Phenol, aqueous	–	A	A	C	A	A	C
Phosphoric acid 10%	–	A	A	B	A	A	C
Potassium carbonate	–	A	A	–	A	A	–
Potassium hydroxide solution 50%	–	–	A	A	A	A	A
Potassium hydroxide solution 10%	–	–	A	A	A	A	A
Potassium dichromate 10%	–	–	A	A	A	A	
Potassium permanganate 1%	–	–	A	A	A	A	C
Potassium sulphate	B	B	B	A	A	A	A
Propane	B	A	A	A	A	A	B
Propanol	–	–	A	A	–	–	–
Propylene	A	A	A	A	A	A	A
Pyridene	–	–	–	A	A	A	
P-3 Solution aqueous	–	–	–	A	–	–	–
S							
Salicylic acid			–	–	A	A	A
Sea water	-	A	A	A	A	A	–
Silicone oil	A	A	A	A	A	A	A
Soap solution	–	–	A	A	A	A	A
Soda solution 10%	–	–	A	–	–	–	–
Sodium bisulphite	–	–	A	C	A	A	–
Sodium carbonate 10%	–	A	A	A	A	A	A
Sodium Chloride 10%	B	B	A	A	A	A	A
Sodium Hydroxide solution 50%	B	B	A	–	A	A	C
Sodium Hydroxide solution 10%	B	A	A	–	A	A	B
Sodium nitrate 10%	B	A	–	A	A	A	A
Sodium thiosulphate	B	A	–	A	A	A	A
Solvent	A	A	A	B	A	A	B
Soybean-oil	A	A	A	A	A	A	A
Steam 150°C	B	A	A	–	A	A	–
Styrene	–	–	A	–	A	A	–
Sulphuric acid 98%	B	B	C	C	A	A	–
Sulphuric acid 2%	B	A	A	A	A	A	–

CHEMICAL RESISTANCE TO FLUIDS

	Materials resistance to fluids		Ball seats - Chemical resistance to fluids				
	Steel	Stainless Steel	PEEK	POM	PTFE	GEMPTFE	PA612
T							
Tar	A	A	A	–	A	A	B
Tartaric acid	–	–	A	B	A	A	A
Tetrahydrofuran	–	–	–	B	A	A	A
Tetrahydronaphthalene	–	–	B	–	–	–	–
Thermo-oil 200°C	A	A	A	–	A	A	–
Thermo-oil 250°C	A	A	A	–	–	–	–
Ticture of iodine	–	–	A	–	A	A	C
Toluene	A	A	–	–	A	A	B
Triethanolamine	–	–	–	A	–	–	–
Trichloroethylene	A	A	A	C	A	A	B
Trilon B 10%	–	–	–	–	A	A	A
Turpentine	B	A	A	A	A	A	A
U							
Urea aqueous	–	B	A	A	A	A	B
V							
Vaseline	B	A	A	A	A	A	A
Vegetable oil	–	A	A	B	A	A	B
Vinegar (5...10% feed vinegar)	C	A	A	A	A	A	B
Vinyl chloride	B	B	B	B	A	A	B
W							
Water, cold	A	A	A	A	A	A	A
Water, distilled	A	A	A	A	A	A	B
Water, hot	A	A	A	B	A	A	B
Wax, molten	A	A	A	A	A	A	A
Wine, brandy	C	A	A	A	A	A	A
X							
Xylene	B	A	A	A	A	A	B
Z							
Zinc chloride 10%	C	B	A	A	A	A	B

LEGEND

A	Resistant
B	Limited resistance
C	Not resistant
-	Data not available

All the data refer to a temperature of 20°C and are not binding. These data represent the state of the art of our knoledge, and have the scope of giving information on our products and their possibles applications. These data have not a legally binding guarantee regarding the chemical resistance and the suitability for a specific application. Standard tests are done in a standard coditioned atmosphere 23/50 as stated in DIN 50014.
For any specific applications we reccommand a practical test for the suitability.

BALL SEATS - MAIN MATERIALS & SPECIFICATIONS



PA612 (Polyamide):
Polyamides are well proven engineering polymers with very interesting properties and a favourable price. They are characterized by high mechanical stability values combined with excellent impact strength.
They have an above average wear rate.
The different types of polyamides are distiguished by an international identification system based on the number of carbon atoms per monometer.



PTFE (Polytetrafluoroethylene):
Above the melting point of +327°C, PTFE changes into a gellike state. Its high viscosity excludes the possibility of thermoplastic processing by traditional methods, such as injection moulding and screw extrusion. PTFE is cold extruded and subsequently sintered. Due to its unique combination of outstanding characteristics, PTFE can be called an engineered polymer of outstanding quality.



PEEK (Polyether etherketone):
Semi-finished products are based on polyether etherketone as the raw material, a linear, aromatic polymer. It is an ideal material for applications where high performance is demanded under extreme conditions with regard to temperature, chemicals, high powered radiation and non-flammable, etc.

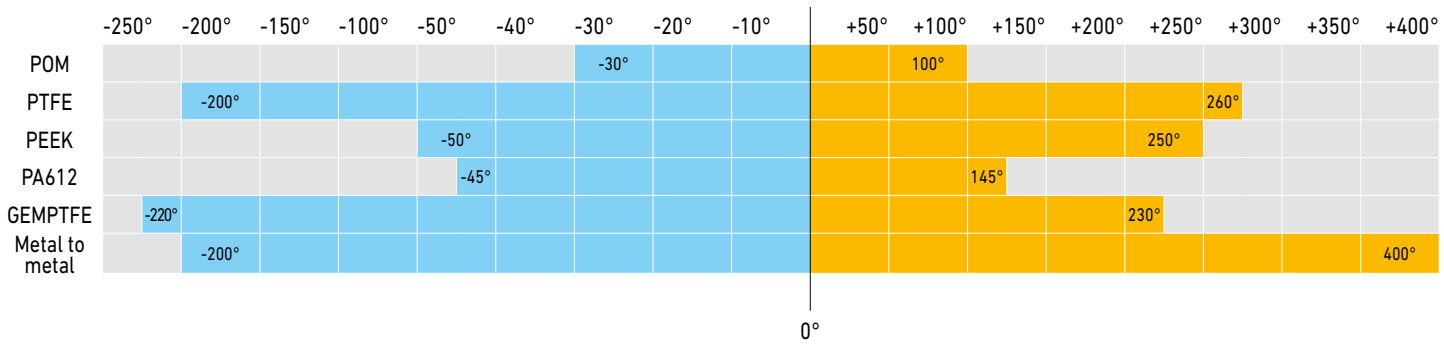


GEMPTFE and RPTFE:
GEMPTFE and RPTFE seals are made with the same procedure of PTFE, but the solution is provided by using special fillers; 25% of glass blue pigment for GEMPTFE and 25% carbongraphite for RPTFE that creates a major mechanical resistance.



POM (Polyoxymethylene):
A highly crystalline thermoplastic with special importance as a technical plastic. POM combines a high level of hardness and form stability with a high resistance to impact. Accordingly, it's a highly suitable for the construction of precision machinery and apparatus. It has remarkable sliding properties.

Maximum and minimum admissible working temperatures for seals ball



BALL SEATS PHYSICAL PROPERTIES OF PLASTIC MATERIAL FOR TECHNICAL USE

Propertles			Test method	Unit	PA	PEEK	POM	PTFE	GEMPTFE
Specific gravity			DIN 53479	g/cm³	1,14	1,31	1,41	2,18	2,19
Water absorption			Standard climate at +23°C/50% U.R.	%	2,6	0,2	0,2	<0.01	<0.01
			in water at +23° C	%	9	0,45	0,85	<0.01	<0.01
Tensile strength Os		tr	DIN 53455	N/mm²	76	110	68	~30	~31
		lf	DIN 53455	N/mm²	45		68		
Tensile ultimate elongation ER		tr	DIN 53455	%	>50	20	35	350	350
		lf	DIN 53455	%	>100		35		
Tensile modulus of elasticity		tr	DIN 53457	N/mm²	3250	4400	3100	550	550
		lf	DIN 53457	N/mm²	1400		3100		
Admissible compression load /with E 2%)(E I% for rptfe)		lf	DIN 53444 (ASTM D 695)	N/mm²	15	57	26	5	5
Deformation under load			ASTM D 621					15	15
Permanent deformation			ASTM D 622					8,1	8,2
Shock proof resistance	Charpy	tr	DIN 53453	kJ/m²	5,5	3,5	7	16	16
	Izod	lf	DIN 53453	kJ/m²	15		7		
Brine/I hardness /3)		tr	ISO 2039-1	N/mm²	150	230	140	27	27
Hardness			ASTM D 2240					55	55
Rockwell Hardness (4)		lf	IS02039-2		M85	M105	M84		
Transversal resistivity /5)		tr	DIN 53481/0303 T2	kV/mm	25	24	20	1018	1018
		lf		kV/mm	16		20		
Surface resistivity		tr	DIN 53482/0303 T3	Ω*cm	>1014	1016	>1014	1017	1017
		lf		Ω*cm	>1014		>1013		
Surface resistivity		tr	DIN 53482/0303 T3	Ω	>1013	1016	>1013		
		lf		Ω	>1012		>1013		
Dielectric constant E	100Hz	lf	DIN 53483/0303 T4		3,9	3,2	3,8	2,1	2,1
		lf			7,4		3,8		
	1MHz	tr	DIN 53483/0303 T4		3,3	3,2	3,8	2,1	2,1
		lf			3,8		3,8		
Dielectric loss factor tan&	100Hz	tr	DIN 53483/0303 T4		0,019	0,001	0,003	<0.0003	<0.0003
		lf			0,13		0,003		
	1MHz	tr	DIN 53483/0303 T4		0,021	0,002	0,008	<0.0003	<0.0003
		lf			0,06		0,008		
Leakage current resistance tr+lf		tr+lf	IEC 112/0303 Tl	CTI	600	150	600	600	600
Melting point			DIN 53736	°C	220	340	165	327	327
Thermal conductivity			DIN 52612	W/(K·m)	0,28	0,25	0,31	0,23	0,24
Linear thermal expansion coefficient	+23°C a +60°C		DIN 52328	1/K·10^-6	90	50	110	160	160
	+60°C a +100°C			1/K·10^-6	105	50	125	180	180
Deflection temperature under load /HOT)			DIN 53461	°c	70	160	105		
Working temperature /HOT)	for cont. service			°c	85	250	115	+260	+260
	for short period			°c	160	310	140	+280	+280
Low temperature resistance				°c	-40	-60	-50	-200	-200
Flame resistance	oxygen index		ASTM 4589	%	25	35	15	95	95
			UL 94	classe	HB	V-0	HB		
Friction coefficient µ			dynamic		0.40-	0.25-	0.30-		
					0,60	0,50	0,45		
Static friction coefficient								0.05-	0.05-
								0,10	0,11
Dynamic friction coefficient			ASTM D 3702					0.06-	0.06-
								0,08	0,09
Wear rate			ASTM D 3702	µm/km	19	28	45		

The company reserves the right to operate dimensional changes without prior notice.

BALL SEATS CHEMICAL RESISTANCE

Material	Abbreviation	Remarks	Maxim um Admissible constant	Temp.(Water)°C Short Term
Polyvinylidene Fluoride	PVDF	Resistent to acids, solution of salts, aliphatic, aromatic and chlorinated hydrocarbons, alcohols and halogens. Conditionally suitable for ketones, esters, organic bases and alkaline solutions.	140°	150°
Polyoxymethylene	POM	Resistent to most solvents and hydrous alkalis. Unsuitable for acids.	100°	140°
Polytetrafluoroethylene	PTFE	Resistant to all chemicals in the list.	250°	300°
Nitrile Rubber	NBR	Good resistance to oil and petrol. Unsuitable for materials subject to oxidation.	90°	120°
Butyl Rubber	EPDM	Good resistance to ozone and weather.	90°	120°
Ethylene Propylene Rubber		Especially suitable for gressive chemicals. Unsuitable for oils and fats.		
Fluorine Rubber	FPM	It has been chemical resistance to solvent of all elastomers.	150°	200°
Polytetrafluoroethylene Special Gemels seals	GEMPTFE	Resistant to all chemicals in the list, possibility use also high pressure.	250°	300°

SEATS MAXIMUM PRESSURE



SEATS PA612	
O-RING NBR (GB)	
DN6	PN500
DN10	PN500
DN13	PN500
DN20	PN400
DN25	PN350
DN32-40-50	PN500



SEATS POM	
O-RING NBR (AB)	
DN6	PN500
DN10	PN500
DN13	PN500
DN20	PN400
DN25	PN350
DN32-40-50	PN500



SEATS PTFE	
O-RING NBR (GB) DVGW	
DN6	PN100
DN10	PN100
DN13	PN100
DN20	PN100
DN25	PN100



SEATS PEEK	
O-RING NBR (DB)	
DN6	PN500
DN10	PN500
DN13	PN500
DN20	PN400
DN25	PN350
DN32	PN350
DN40	PN350
DN50	PN350

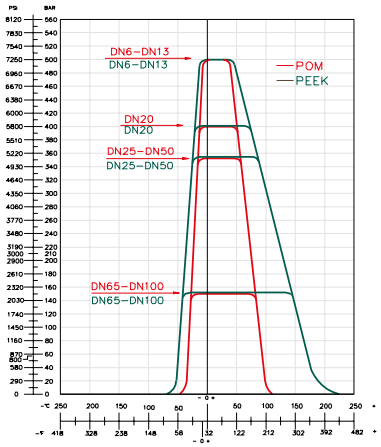


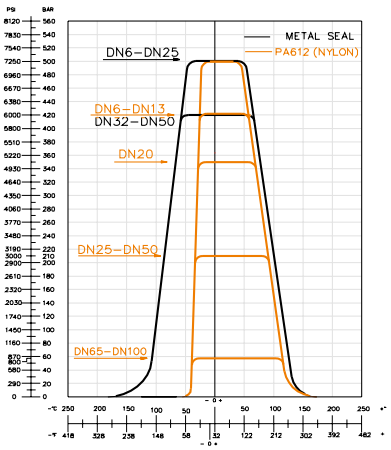
SEATS PTFE	
O-RING NBR (CB)	
DN6	PN350
DN10	PN350
DN13	PN350
DN20	PN175
DN25	PN150
DN32	PN100
DN40	PN100
DN50	PN100

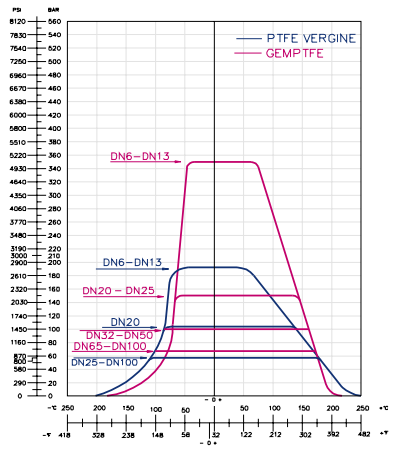


SEATS GEMPTFE	
O-RING NBR (KB)	
DN6	PN350
DN10	PN350
DN13	PN350
DN20	PN175
DN25	PN150
DN32	PN100
DN40	PN100
DN50	PN100

PRESSURE-TEMPERATURE CHART







NOTES

The values reported in the chart are just guidelines and should not be taken as compulsory. Every valve should be associated with the pressure/temperature rating in accordance with the dimension of the bore, the body material, the ball and the stem. Carbon steel valves are suitable for low temperature untill -20°C while the stainless steel ones (316L) are suitable untill -40°C. For any other use of the valves below these temperatures we suggest to employ a different material.

O-RINGS RESISTANCE TO FLUIDS

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
A					
Acetaldehyde	C	D	B	B	A1
Acetamide	A	C	B	A	A1
Acetate of copper	B	D	D	A	A
Acetate of copper hot	D	D	C	C	A
Acetic anhydride	D	D	B	B	A
Acetoacetic ester	D	D	B	B	A
Acetone	D	D	D	A	A
Acetophenone	D	D	D	A	A
Acetyl chloride	D	A	C	D	A
Acetylacetone	D	D	D	A	A
Acetylene, Ethene	A	A	B	A	A
Acrylic acid ethyl ester	D	D	B	B	A1
Acrylonitrile	D	C	D	D	A1
Aero Shell 7A	A	A	B	D	A
Aero Shell 17	A	A	B	D	A
Aero Shell 750	B	A	D	D	A
Aero Shell Fluid 4	A	A	D	D	A
Aerosafe 2300	D	D	C	A	–
Aerosafe 2300 W	D	D	C	A	–
Air	A	A	A	A	A
Air oil-free 100°C	A	A	A	A	A
Air oil-free 150°C	B	A	A	B	A
Air oil-free 200°C	D	A	A	D	A
Alkazene®	D	B	D	D	A
Aluminium acetate	B	D	D	A	A
Aluminium bromide	A	A	A	A	A
Aluminium chloride	A	A	B	A	A
Aluminium fluoride	A	A	B	A	A
Aluminium nitrate	A	A	B	A	A
Aluminium phosphate	A	A	A	A	A
Aluminium sulphate	A	A	A	A	A
Alums	A	A	B	A	A
Ammonia gas (cold)	A	D	A	A	A1
Ammonia gas gas (hot)	D	D	B	A	A1
Ammonia gas gas liquid (anhydrous)	B	D	B	A	A1
Ammonium carbonate	C	B	D	A	A
Ammonium Chloride	A	A	B	A	A
Ammonium Chloride 3 molar solution	A	B	A	A	A
Ammonium hydroxide concentrated	D	C	A	A	A1
Ammonium nitrate	A	B	B	A	A
Ammonium nitrite	A	–	B	A	A
Ammonium persulphate	D	–	–	A	A
Ammonium persulphate solution	D	–	–	A	A
Ammonium phosphate	D	–	–	A	A
Ammonium phosphate	A	B	B	A	A
Ammonium phosphate primary	A	B	B	A	A
Ammonium phosphate secondary	A	B	B	A	A
Ammonium phosphate tertiary	A	B	B	A	A
Ammonium sulphate	A	C	A	A	A
Ammonium sulphide	A	D	B	A	A
Amyl acetate	A	D	B	A	A
Amyl alcohol	D	D	D	A	A
Amyl borate	B	B	D	A	A
Amyl chloride	A	A	–	D	A
Amyl chloronaphtalene	D	A	D	D	A
Aniline (aniline oil)	D	A	D	D	A
Aniline dyes	D	C	D	B	A
Aniline hydrochloride	D	B	C	B	A
Animal fat	A	A	B	B	A
Aqua regia	D	B	D	C	A1
Argon	B	B	C	B	A
Arsenic acid (arsenic trichloride)	A	D	D	D	A
Asphalt	A	A	A	A	A
ASTM-oil No°.1	B	A	D	D	A
ASTM-oil No°.2	A	A	A	D	A
ASTM-oil No°.3	A	A	D	D	A
ASTM-oil No°.4	A	A	C	D	A
ASTM-reference fuel A	B	A	D	D	A
ASTM-reference fuel B	A	A	D	D	A
ASTM-reference fuel C	A	A	D	D	A
ATF-oil	B	A	D	D	A
B					
Barium chloride	A	A	A	A	A
Barium hydroxide	A	A	A	A	A
Barium sulphide	A	A	A	A	A
Beer	A	A	A	A	A
Benzaldehyde	D	D	D	A	A
Benzene	D	A	D	D	A
Benzene-sulphonic acid 10%	D	A	D	D	A
Benzonic acid	D	A	D	B	A
Benzonic benzyl ester	D	A	-	D	A
Benzonic methyl ester	D	A	D	D	A
Benzophenone	–	A	–	B	A
Benzoyl chloride	D	A	–	A	A
Benzyl alcohol	D	A	B	B	A
Benzyl chloride	D	A	D	D	A
Black liquor	B	A	B	B	–
Blast furnace gas	D	A	A	D	A
Beaching lye	D	A	B	A	A
Borax	B	A	B	A	A
Bordeaux mixture	B	A	B	A	A
Boric acid	A	A	A	A	A
Boron liquid (HEF)	B	A	D	D	–
Bromine	D	A	D	D	A
Bromine water	D	A	D	D	A
Bromobenzol	D	A	D	D	B
Bromochloromethane	D	A	D	B	A
Bromochlorotrifluoroethan	D	A	D	D	A
Bromopentafluoride	D	D	D	D	B
Bromotrifluoride	D	D	D	D	B
Butadine (monomer)	D	A	D	D	A
Butan-2-one (methyl ethyl ketone, MEK)	D	D	D	A	A

O-RINGS RESISTANCE TO FLUIDS

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
Butane	A	A	D	D	A
Butanol (butyl alcohol)	A	A	B	B	A
Butene	B	A	D	D	A
Butter	A	A	B	A	A
Butyl acetate	D	D	D	B	A
Butyl acetylricinoleate	B	A	–	A	B
Butyl acrylate	D	D	D	D	A1
Butyl alcohol	A	A	B	B	A
Butyl butyrate	D	A	–	A	A
Butyl carbitol	D	C	D	A	A
Butyl catechol	D	A	–	B	A
Butyl cellosolve	D	D	D	B	A
Butyl glycol	C	D	B	B	A
Butyl glycoladipate	D	B	B	B	A
Butyl mercaptan	D	A	D	D	A
Butyl oleate	D	A	–	D	A
Butyl stearate	B	A	B	D	A
Butylo n-Butyl ether	C	D	D	C	A
Butylamine, n-Butylamine	C	D	B	D	A1
Butyraldehyde	D	D	D	B	A1
Butyric acid	D	B	D	B	A
C					
Calcium acetate	B	D	D	A	A
Calcium bisulphite	A	A	A	D	A
Calcium chloride	A	A	A	A	A
Calcium cyanide	A	–	A	A	A
Calcium hydroxide	A	A	B	A	A
Calcium hypochloride	B	A	B	A	A
Calcium lysulphide	A	A	A	A	A
Calcium nitrate (nitrate of lime)	A	A	B	A	A
Calcium silicate	A	A	–	A	A
Calcium sulphite	A	A	A	A	A
Calcium thiosulphate	B	A	A	A	A
Caliche solution (chile saltpetre)	A	A	B	A	A
Caproic aldehyde (Hexanal)	-	D	B	B	A1
Carbamates Carbitol/Diethylene	D	A	–	B	A
glycol monoethyl ether	B	B	B	B	A
Carbolic acid (phenol)	A	A	D	D	A
Carbon dioxide dry	A	B	B	B	A
Carbon dioxide moist	A	B	B	B	A
Carbon disulphide	D	A	D	D	A
Carbon monoxide	A	A	A	A	A
Carbon tetrachloride	B	A	D	D	B
Carbonic acid	B	A	A	A	A
Castor oil	A	A	A	B	A
Cellosolve (Ethylene glycol ethyl ether)	D	D	D	B	A
Cellosolve acetate	D	D	D	B	A
Cetane (Hexadecane)	A	A	D	D	A
Chloroacetone	D	D	D	A	A
Chlorax	B	A	–	B	A
Chlordane	B	A	D	D	A

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
Chlordecane	D	A	D	D	A
Chloracetic acid	D	D	D	B	A
Chlorextol	B	A	D	D	A
Chlorinated carbonic acid ethyl ester	D	A	D	D	A
Chlorine dioxide	D	A	D	C	A
8% Cl as CaClO in solution	D	A	D	D	A
Chlorine dry	D	B	D	D	A
Chlorine moist	C	A	–	B	B
Chlorine naphtaline	D	A	D	D	A
Chlorine trifluoride	D	D	D	D	B
Chlorine 1-chlorine-nitroethane	D	D	D	D	A
Chloroacetic acid	D	A	D	D	A
Chlorobenzene (monochlorobenzene)	D	A	D	D	A
Chloroform (Trichloromethane)	D	A	D	D	A
Chloroprene	D	A	D	D	A
Chlorosulphonic acid	D	D	D	D	A
Chlortoluene	D	A	D	D	A
Chrome bath electrolyte	D	A	B	B	A
Chrome alum	A	A	A	A	A
Citric acid	A	A	A	A	A
Citric acid 2n	A	A	A	A	A
Coconut oil	A	A	A	C	A
Cod liver oil	A	A	B	A	A
Coffee	A	A	A	A	A
Colamine (ethanolamine)	D	D	B	B	A1
Coliche-solution	B	–	–	B	–
Compressed air supply (oil-free)	A	A	A	A	A
Coolanol (Monsanto), Silicone oil	A	A	D	D	A
Copper chloride	A	A	A	A	A
Copper cyanide	A	A	A	A	A
Cotton seed oil	A	A	A	C	A
Creosote, carbolineum	A	A	D	D	A
Cresilic acid	D	A	D	D	–
Crude oil	B	A	D	D	A
Crumene (isopropylbenzene)	D	A	D	D	A
Cyclohexane	A	A	D	D	A
Cyclohexanol	A	A	D	D	A
Cyclohexanon	D	D	D	B	A
D					
Decane	A	A	B	D	A
Delco brake fluid	C	D	C	A	A
Denaturated alcohol	A	A	A	A	A
Detergent dissolved in water	A	A	A	A	A
Developer (photo)	A	A	A	B	A
Diacetone alcohol	D	D	D	A	A
Diazinone (insecticide)	C	B	D	D	–
Dibenzyl ether	D	D	D	B	A
Dibenzyl sebacate	D	B	C	B	A
Dibromethyl benzol	D	A	D	D	A
Dibromodifluoromethane	D	–	D	B	B
Dibutyl amine	D	D	C	D	A1

The company reserves the right to operate dimensional changes without prior notice.

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
Dibutyl ether	D	C	D	C	A
Dibutyl phthatale	D	C	C	B	A
Dibutyl sabacate	D	B	B	B	A
Dichlorobutane (Tetramethylene chloride)	B	A	D	D	A
Dichloroisopropylether	D	C	D	C	A
Dichloromethane (Methylene chloride)	D	B	D	D	A
Dicyclohexylamine	C	D	D	D	A1
Diesel fuel	A	A	D	D	A
Diethyl ether	D	D	D	D	A
Diethyl sebacate	D	B	B	B	A
Diethylamine	B	D	B	B	A1
Dyethilene	A	A	B	A	A
Diisobutylene	B	A	D	D	A
Diisooctyl sebacate	C	B	C	C	A
Diisopropyl ketone 3-molar	D	D	D	A	A
Diisopropyl ketone concentrated	D	A	D	D	A
Diisopropyl ketone red,fuming	D	B	D	D	B
Dimenthyl formamide (DMF)	C	D	B	B	A
2,2-Dimethylbutane	A	A	D	D	A
2,3-Dimethylbutane	A	A	D	D	A
Dimethylether (Methylether)	A	A	A	A	A
Dimethydrazine	B	D	D	A	A
2,4-Dimethylpentane	A	A	D	D	A
Dimethylphthalate	D	B	–	B	A
Dinitrogen monoxide (laughing gas)	A	A	A	B	A
Dinitrotoluene	D	D	D	D	A
Dioctyl phthalate (DOP)	D	B	C	B	A
Dioctyl sebacate (DOS)	D	B	C	B	A
Dioxan	D	D	D	B	A
Dioxolan	D	D	D	B	A
Dipentene (paint solvent)	B	A	D	D	A
Diphenyl (biphenyl)	D	A	D	D	A
Diphenyl ether	D	A	C	D	A
Dowtherm A thermal oil	D	A	D	D	A
Dowtherm E thermal oil	D	A	D	D	A
Drilling oil	A	A	D	D	A
Dye solvent	D	B	D	D	A
E					
Electroplating solution chrome	D	A	B	B	A
Electroplating solution chrome other metals	–	A	D	A	A
Epichlorhydrin	D	D	D	B	A
Epoxy resins	–	D	–	A	A
Ethan	A	A	D	D	A
Ethane	A	A	B	B	A
Ethane thiol	D	B	C	D	A
Ethanol (ethyl alcohol)	A	C	A	A	A
Ethanolomine (Colamin)	B	D	B	B	A1
Ether (various)	D	C	D	C	A
Ethyl acetate	D	D	B	B	A
Ethyl acrylic acid	D	–	D	B	A1
Ethyl alcohol (ethanol)	A	C	A	A	A

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
Ethyl benzoate	D	A	D	D	A
Ethyl bromide	B	A	D	D	A
Ethyl chloride	A	A	D	A	A
Ethyl cyclopentane	A	A	D	D	A
Ethyl dichloride	D	B	D	D	A
Ethyl ether	C	D	D	C	A
Ethyl oxalate	D	A	D	A	A
Ethyl pentachloro-benzene	D	A	D	D	A
Ethyl silicate	A	A	B	A	A
Ethylbenzene	D	A	D	A	A
Ethylcellulose	B	D	B	B	A
Ethylene chlorhydrin	D	A	C	B	A
Ethylene dibromide	D	A	D	C	A
Ethylene dichloride	D	A	D	C	A
Ethylene glycol (glycol)	A	A	A	A	A
Ethylene oxide	D	D	D	C	A1
Ethylene oxide (12%) and Freon (80%)	C	D	D	B	A1
Ethylene trichloride ("Tri")	D	A	D	D	A
Ethylene 2-ethyl-1-hexanol (isoctanol)	A	A	B	A	A
Ethylnedimine	A	D	A	A	A1
F					
Fatty acids	B	A	B	C	A
Fluorolub	A	B	A	A	–
Formaldehyde	C	D	B	B	A1
Formic acid methylester	D	D	–	B	A
Freon 11	A	A	D	A	B
Freon 12	A	A	D	A	B
Freon 12 and ASTM oil no. 2 (50:50 mix)	A	A	D	A	B
Freon 12 and Suniso 4g (50:50 mix)	D	D	D	D	A
Freon 13	D	D	D	A	B
Freon 1381	A	A	D	A	B
Freon 14	A	A	D	A	B
Freon 21	D	D	D	D	A
Freon 22	D	D	D	A	B
Freon 22 and ASTM oil no. 2 (50:50 mix)	D	B	D	D	B
Freon 31	D	D	D	A	B
Freon 32	A	D	D	A	B
Freon 112	B	A	D	D	B
Freon 113	A	B	D	D	B
Freon 114	A	A	D	A	B
Freon 114 B2	B	B	D	D	B
Freon 115	A	A	D	A	B
Freon 502	B	B	A	A	B
Freon BF	B	A	D	D	B
Freon C 318	A	B	D	A	B
Freon K-142b	A	D	–	A	B
Freon K-152a	A	D	–	A	B
Freon MF	B	B	D	D	B
Freon PCA	A	B	D	D	B
Freon TF	A	B	D	D	A
Fuel oil	A	A	D	D	A

O-RINGS RESISTANCE TO FLUIDS

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
Fumaric acid	A	B	D	D	A
Fural (2-furaldehyde)	D	D	D	B	A1
Furan	D	D	D	D	A
Furfur alcohol	D	D	D	B	A
Furyl carbinol	D	–	D	B	–
G					
Gallic acid	B	A	A	B	A
Gallotannic acid	A	A	B	A	A
Gallotannic tannin 10%	A	A	B	A	A
Gear oil type A	A	A	B	D	A
Gelatines	A	A	A	A	A
Generator gas	A	A	B	D	A
Girling brake fluid	C	D	–	A	A
Glacial acetic acid (100% acetic acid)	B	D	B	B	A
Glauber salt (sodium sulphate)	D	A	A	B	A
Glucose	A	A	A	A	A
Glycerine	A	A	A	A	A
Glycerine triacetate	B	D	B	A	A
Glycol (ethylene glycol)	A	A	A	A	A
Green liquor	B	A	–	A	A
Groundnut oil	A	A	A	C	A
H					
Halon 1301	A	A	D	A	B
Halothane (narcotic)	D	A	D	D	A
Halowax oil	D	A	D	D	A
Heavy water	A	A	A	A	A
Helium	A	A	A	A	A
n-heptane	A	A	D	D	A
n-hexaldehyde	D	D	B	A	A1
n-hexane	A	A	D	D	A
1-n-hexene	B	A	D	D	A
Hexylalcohol	A	B	-	C	A
Houghto-Safe 241 (water/glycol,HCF)	A	B	B	A	A
Houghto-Safe 620 (water/glycol, HCF)	A	B	B	A	A
Houghto-Safe 1010 (phosphate ester, HFD-R)	D	A	C	A	A
Houghto-Safe 1055 (phosphate ester, HFD-R)	D	A	C	A	A
Houghto-Safe 1120 (phosphate ester, HFD-R)	D	A	C	A	A
Houghto-Safe 5040 (water/oil emulsion)	A	A	C	D	A
Hydraulic fluid (mineral oil based)	A	A	B	D	A
Hydrazine	B	B	B	A	A
Hydrobromic acid	D	A	D	A	A
Hydrobromic acid 40%	D	A	D	A	A
Hydrochloric acid 3-molar concentrated	C	A	D	A	A
Hydrochloric acid 3-molar concentrated	D	A	D	C	A
Hydrocyanic acid	B	A	C	A	A
Hydrocyanic acid ≤65% cold	C	A	D	A	A1
Hydrocyanic acid > 65% cold	D	A	D	C	B
Hydrocyanic acid ≤65% hot	D	C	D	D	B
Hydrocyanic acid >65% hot	D	C	D	D	A
Hydrofluosilicic acid	B	A	D	A	B

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
Hydrogen fluoride (hydrofluoric acid, anhydrous)	D	D	D	A	B
Hydrogen gas hot	A	A	C	A	A
Hydrogen gas dilute	A	A	C	A	A
90%	D	A	B	C	A
Hydrogen peroxide dilute	B	A	A	-	A
Hydrogen sulphide dry, cold	A	D	C	A	A
Hydrogen sulphide dry, hot	D	D	C	A	A
Hydrogen sulphide moist, cold	D	D	C	A	A
Hydrogen sulphide moist, hot	D	D	C	A	A
Hydroquinone	C	B	D	D	A
Hydyn	B	D	D	A	A
I					
Iodine	B	A	–	B	A
Iodine pentafluoride	D	D	D	D	B
Iron chloride	A	A	B	A	A
Iron nitrate	A	A	B	A	A
Isobutyl alcohol (isobutanol)	B	A	A	A	A
Isobutyl-n-butyrate	D	A	–	A	A
Isododecane	A	A	D	D	A
Iso-octane	A	A	D	D	A
Isophoron (Ketone)	D	D	D	A	A
Isopropanol (isopropyl alcohol)	B	A	A	A	A
Isoproyl benzene	D	A	D	D	A
Isoproyl chloride	D	A	D	D	A
Isopropylacetat	D	D	D	B	A
Isopropylacetate	B	D	D	D	A
Isopropylalkohol (isopropanol)	B	A	A	A	A
J					
JP 3 (MIL-J.5624)	A	A	D	D	A
JP 4 (MIL-J-5624)	A	A	D	D	A
JP 5 (MIL-J-5624)	A	A	D	D	A
JP 6 (MIL-J-5624)	A	A	D	D	A
JP X (MIL-F-2564)	A	D	D	D	–
K					
Kaliumcyanide	A	A	A	A	A
Kerosene	A	D	D	D	–
L					
Lactams	D	D	–	B	A
Lactic acid cold	A	A	B	A	A
Lactic acid hot	D	A	B	D	A
Lard, animal fat	A	A	B	B	A
Lavender oil	B	A	D	D	A
Lead acetate (sugar of lead)	B	D	D	A	B
Lead nitrate	A	A	B	A	B
Lead sulphate	B	A	B	A	A
Light crude oil (crude benzene)	A	A	D	D	A
Light lubricants	A	A	D	D	A
Lime milk	A	A	B	A	A

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
Linoleic acid	B	B	B	D	A
Linseed oil	A	A	A	C	A
Liquid gas (Propane, Butane, Propylene)	A	A	C	D	A
Liquimoly	A	A	D	D	A
Lubricating oils di-ester based	B	A	D	D	A
Lubricating oils petroleum based	A	A	D	D	A
Lubricating oils SAE 10, 20, 30, 40, 50	A	A	C	D	A
M					
Magnesium chloride	A	A	A	A	A
Magnesium hydroxide	B	A	A	A	A
Magnesium sulphate	A	A	A	A	A
Maize oil	A	A	A	C	A
Malathion (insecticide)	B	A	D	D	A
Malic acid	A	A	D	D	A
Malic acid anhydrous	D	D	–	B	A
Mercury	A	A	A	A	A
Mercury chloride	A	A	A	A	A
Mercury vapour	A	A	A	A	A
Mesityl oxide (ketone)	D	D	D	B	A
Methacrylic acid	D	C	D	B	A
Methane	A	A	D	D	A
Methyl 2-Methyl pentane	A	A	D	D	A
Methyl 3-Methyl pentane	A	A	D	D	A
Methyl acetate	D	D	D	B	A
Methyl aceto acetate	D	D	B	B	A
Methyl aceto acetate alcohol (methanol)	A	D	A	A	A
Methyl aceto acetate bromide	B	A	D	D	A
Methyl aceto acetate butyl ketone	D	D	D	A	A
Methyl aceto acetate carbonte	D	A	D	D	A
Methyl aceto acetate cellulose	B	D	B	B	A
Methyl aceto acetate chloride	D	A	D	C	A
Methyl aceto acetate chloroform	D	A	D	D	A
Methyl aceto acetate ether (dimethyl ether)	A	A	A	A	A
Methyl aceto acetate ethyl ketone (butanon, MEK)	D	D	D	A	A
Methyl aceto acetate ethyl ketone peroxide	D	D	B	D	A1
Methyl aceto acetate glycol	C	D	D	B	A
Methyl aceto acetate isobutyl ketone (MIBK)	D	D	D	C	A
Methyl aceto acetate methacrylate	D	D	D	D	A1
Methyl aceto acetate oleate	D	A	–	B	A
Methylaniline	D	B	–	D	A
Methylcyclopentane	D	A	D	D	A
Methylene chloride (dichloromethane)	D	B	D	D	A
Methylisopropylketone	D	D	D	B	A
Metilacrilato	D	D	D	B	A
Milk	A	A	A	A	A
Mineral oils	A	A	B	D	A
Mixed amines	D	D	B	B	A1
Molten sulphur	D	A	C	C	A
Monochlorobenzene (chlorobenzene)	D	A	D	D	A
Mopar brake fluid	C	D	C	A	A

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
N					
Naphtha	B	A	D	D	A
Naphthaline	D	A	D	D	A
Naphthenic acid	B	A	D	D	A
Natural gas	A	A	A	D	A
n-Butyl benzoate	D	A	–	A	A
Neat's foot oil	A	A	B	B	A
Neon	A	A	A	A	A
Neville and Winther's acid	D	A	D	B	A
Nickel acetate	B	D	D	A	A
Nickel chloride	A	A	A	A	A
Nickel sulphate	A	A	A	A	A
Nitrobenzene	D	B	D	D	A
Nitroethane	D	A	D	B	A
Nitrogen	A	A	A	A	A
Nitromethane	D	A	D	B	A
Nitropropane	D	A	D	B	A
Nitrotoluene (40% + dinitrotoluene 60% mix)	D	C	D	D	A
Non- mineral oil base brake fluid	C	D	C	A	A
n-propyl acetone	D	D	D	A	A
O					
Octachlorotoluene	D	A	D	D	A
Octadecane	A	A	D	D	A
Octyl alcohol	B	A	B	A	A
Oleic acid	C	B	D	D	A
Oleum (fuming sulphuric acid)	D	A	D	D	A
Olive oil	A	A	A	B	A
Ortho-chloroethyl benzene	D	A	D	D	A
Orthochlorophenol	D	A	D	D	A
Ortho-dichlorobenzene	D	A	D	D	A
Ortho-n-octane	B	A	D	D	A
Oxalic acid	B	A	B	A	A
Oxygen, liquid	D	D	D	D	A1
Ozone	D	A	A	A	A1
P					
Paint thinners	D	D	D	D	A
Paints	B	A	D	D	A
Palmitic acid	A	A	D	B	A
n-pentane	A	A	D	D	A
Perchloric acid 2-molar	D	A	D	B	A
Petrol	A	A	D	D	A
Phenol	D	A	D	D	A
Phenyl ethyl ether	D	D	D	D	A
Phenylhydrazine	D	A	D	D	A
Phoron	D	D	D	A	A
Phosphate of calcium	A	A	A	A	A
Phosphoric acid 3-molar aqueous solution	D	A	B	A	A
Phosphoric acid, 3- molar concentrated molten	D	A	C	B	A
Phosphoric acid, 3- molar Phosphorous chloride	D	A	D	A	A
Picric acid aqueous solution	A	A	B	A	A

O-RINGS RESISTANCE TO FLUIDS

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
Picric acid molten	B	A	D	B	B
Pine oil	A	A	D	D	A
Pinene	B	A	D	D	A
Piperidine	D	D	D	D	A1
Polyvinyl acetate emulsion	–	–	–	A	A
Potassium acetate	B	D	D	A	A
Potassium chloride	A	A	A	A	A
Potassium copper ferricyanide	A	A	A	A	A
Potassium dichromate	A	A	A	A	A
Potassium hydroxide solutions (dilute)	B	B	B	A	A
Potassium hydroxide caustic potash 50%	B	B	D	C	A
Potassium nitrate	A	A	A	A	A
Potassium sulphate	A	A	A	A	A
Potassium sulphite	A	A	A	A	A
Prestune antifreeze	A	A	A	A	A
Propane	A	A	D	D	A
Propionitrile	A	A	D	D	A
Propyl acetate	D	D	D	B	A
Propyl alcohol (Propanol)	A	A	A	A	A
Propyl nitrate	D	D	D	B	A
Propylene	D	A	D	D	A
Propylene oxide	D	D	D	B	A1
Pyradine	D	D	D	B	A
Pyranol, transformer oil (postchlorinated biphenylene)	A	A	D	D	A
Pyrolube	D	A	B	B	–
Pyrrole	D	D	B	D	A
R					
Radioactive radiation	C	D	C	C	–
Rape oil	A	A	D	A	A
S					
Salicylic acid	B	A	A	A	A
Salts of ammonium	A	B	B	A	A
Salts of ammonium barium	A	A	A	A	A
Salts of ammonium calcium	A	A	B	A	A
Salts of ammonium copper	A	A	A	A	A
Salts of ammonium magnesium	A	A	A	A	A
Salts of ammonium nickel	A	A	A	A	A
Salts of ammonium potassium	A	A	A	A	A
Salts of ammonium sodium	A	A	A	A	A
Salts of ammonium zinc	A	A	A	A	A
Seawater containing chlorine and salt	D	A	D	D	A
Seawater containing chlorine and salt salt water	A	A	A	A	A
Silicate ester	B	A	D	D	A
Silicone greases	A	A	D	A	A
Silicone oil	A	A	D	A	A
Silver nitrate	B	A	A	A	A
Soda (sodium carbonate)	A	A	A	A	A
Soapy water	A	A	A	A	A
Sodium acetate	B	D	D	A	A
Sodium borate (Borax)	A	A	A	A	A

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
Sodium carbonate (soda)	A	A	A	A	A
Sodium chloride	A	A	A	A	A
Sodium cyanide	A	A	A	A	A
Sodium met phosphate (Colon)	A	A	-	A	A
Sodium hydroxide (caustic soda) 3 molar	B	B	A	A	A
Sodium hypochlorite	C	A	C	C	A
Sodium met silicate	A	A	-	A	A
Sodium nitrate (saltpetre)	B	A	D	A	A
Sodium perforate	B	A	B	A	A
Sodium peroxide	B	A	D	A	A
Sodium phosphate primary	A	A	D	A	A
Sodium phosphate tertiary	A	A	A	A	A
Sodium sulphate (Gluer's salt)	A	A	A	A	A
Sodium sulphide	A	A	A	A	A
Sodium sulphite	A	A	A	A	A
Sodium thiosulphate (fixer)	B	A	A	A	A
Soya oil	A	A	A	C	A
Stannic chloride	A	A	B	A	A
Stannic 50%	A	A	B	A	A
Stannous Chloride	A	A	B	A	A
Steam below 150°C	D	C	C	A	A
Steam above150°C	D	D	D	B	A
Satiric acid	B	A	B	B	A
Styrene (monomer)	D	B	D	D	A1
Sugar cane solution	A	A	A	A	A
Sugar solutions	A	A	A	A	A
Sugar-beet juice	A	A	A	A	A
Sulphur	D	A	B	A	A
Sulphur chloride D	A	C	D	D	A
Sulphur dioxide aqueous	D	D	B	A	A
Sulphur dioxide dry	D	D	B	A	A
Sulphur dioxide liquid under pressure	D	D	B	A	A
Sulphur hexafluoride	B	C	B	A	B
Sulphur trioxide, dry	D	A	B	B	A
Sulphuric acid 3-molar	D	A	D	B	A
Sulphuric acid concentrated	D	A	D	D	A
Sulphuric acid fuming (20/25% oleum)	D	A	D	D	A
Sulphurous acid	B	A	D	B	A
Super grade petrol	A	A	D	D	A
T					
Tar (bituminous)	B	A	B	D	A
Tartaric acid	A	A	A	B	A
Tetrabromethane	D	A	D	D	A
Tetrabutyl titanate	B	A	–	A	A
Tetrachloroethylene (perchloroethylene dry cleaning fluid)	B	A	D	D	B
Tetraethyl lead	B	A	D	D	A
Tetraethyl chips	B	A	D	D	A
Tetrahydrofurane	D	D	D	B	A
Tetraline	D	A	D	D	A
Titanium (IV) chloride	B	A	D	D	A
Toluene	D	A	D	D	A

The company reserves the right to operate dimensional changes without prior notice.

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
Toluylene diisocyanate	D	D	D	B	A
Transformer oil	A	A	B	D	A
Transmission fluid type A	A	A	B	D	A
Triaryl phosphate	D	A	C	A	A
Tributoxyethyl phosphate	D	A	–	A	A
Tributyl mercaptan	D	A	D	D	A
Tributyl phosphate	D	D	D	A	A
Trichloroacetic acid	B	C	C	A	A
Trichloroethane	D	A	D	D	A
Trichloroethylene (Trilene)	D	A	D	D	A
Trichlorometane (Chloroform)	D	A	D	D	A
Triethanolamine	C	D	D	B	A1
Trifluoroethane	D	A	D	D	B
Trinitrotoluene	D	B	–	D	A
Trioctyl phosphate	D	B	C	A	A
Triothocresylphosphate ("TOCP")	D	B	C	A	A
Tripolyphosphate	D	B	C	A	A
Tung oil (China wood oil)	A	A	D	D	A
Turpentine	A	A	D	D	A
V					
Vaseline	A	A	D	D	A
Vegetable oils	A	A	A	C	A
Vinegar (%% actic acid)	B	A	A	A	A
Vinyl acetylene	A	A	B	A	A
W					
Waste water	A	A	A	A	A
Water (for industrial use) up to 70°C	A	B	A	A	A
Water (for industrial use) up to 100°C	B	B	B	A	A
White oil	A	A	D	D	A
White pine oil	B	A	D	D	A
Wine and Whisky	A	A	A	A	A
Wolman's salt (wood impregnation)	A	A	A	A	A
Wood oil	A	A	D	D	A
Wood vinegar	D	D	–	B	A

	O-rings resistance to fluids				
	NBR	FKM	MVQ	EPDM	FFKM
X					
Xenon	A	A	A	A	A
Xylene	D	A	D	D	A
Xylidine (mixture of aromatic amines)	C	D	D	D	A1
Z					
Zeolites	A	A	A	A	A
Zinc acetate	B	D	D	A	A
Zinc acetate sulphate	A	A	A	A	A
Zinc acetate chloride	A	A	A	A	A

LEGEND

A	Stable
B	Can be used
C	Limited stability (use not recommendet)
D	Not stable
-	Data not available

The information on the following pages is based on tests under various different conditions. Many of the values have been determined at room temperature with a reaction time of 7 days (150 hours). In individual cases observations may differ between laboratory and pratical tests. Because of differences in conditions of use and the composition of fluids the data given are only guidelines and should not be taken as binding. For these reasons we cannot give any guarantees as to the correctness of our reccomendations in individual cases. If your operating conditions are unusual please feel free to discuss them with us.

O-RINGS RESISTANCE TO FLUIDS

GENERAL PRINCIPLES (O-RINGS)

The simple geometry is the main characteristic of an O-Ring which, in conjunction with proper elastomer selection results in a low cost, easy to use and efficient sealing system. Elastomeric materials, when compressed, react like a high viscosity fluid which transmits applied stress in every direction; consequently, the O-Ring serves as a barrier, blocking the leak paths between the sealing surfaces. Technical sealing has been defined by DIN Standards as follows:

- "Static seal" - The sealing action created between two mating surfaces with no leakage of liquid or minimal diffusion of gas;
- "Dynamic seal" - The mating surfaces have relative movement with minimal leakage of liquid (useful to protect the sealing efficiency, acting as lubricant).

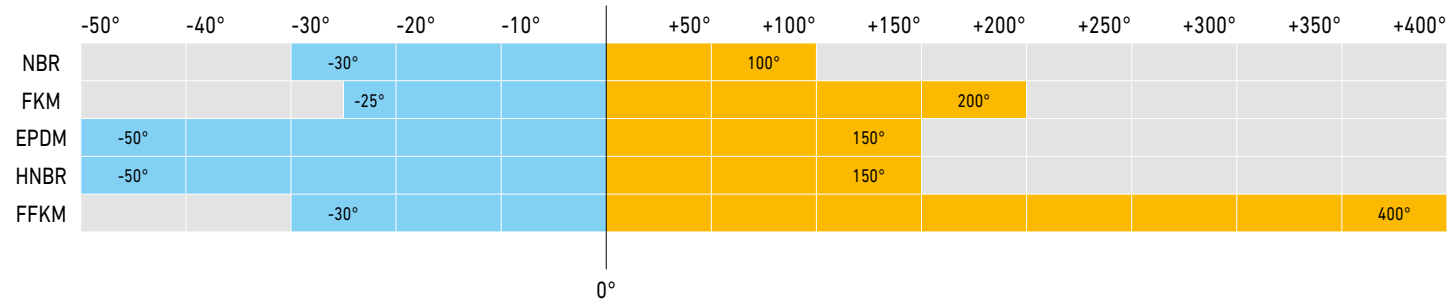
O-Rings offer several advantages over other sealing systems: simplicity of construction, standardized seal dimensions, wide selection of materials, suitability for both static and dynamic applications, standard dimensioning of glands, low cost due to high volume manufacturing. Sealing is always achieved through a positive compression or squeezing action, resulting in a deformation of the O-Ring cross-section. The most important sealing characteristic of an O-Ring is its resistance to compression set or residual deformation.

DETERMINATION OF THE MATERIALS GROUP

NBR (Acrylonitrile butadiene elastomer):
This material is the most often used in sealing technology because of its good resistance to the majority of mineral oilbased oils and greases.
Its normal temperature range is between -30°C and +100°C, with short periods at +130°C.
Special NBR compounds can be used as low as -55°C.
The acrylonitrile content may be between 18% and 50%. The most common proportion is 28% to 38%.
As this proportion rises the resistance to minerals oils and greases increases, but at the same time the flexibility and low-temperature resistance reduces.
The compression set rises as the acrylonitrile content increases.

The company reserves the right to operate dimensional changes without prior notice.

Maximum and minimum admissible working temperatures for o-rings





FKM (Fluoroelastomer)
FKM has an outstanding resistance to high temperatures, ozone, chemicals and weathering. The operating range is up to +200°C, and +250°C for brief periods. FKM is highly resistant to almost all synthetic hydraulic fluids and those based on mineral oils. FKM is less suitable for use in hot water, steam and at low temperatures. Their low-temperature flexibility is only slight and their resistance to hot water and steam is moderate. Special materials should be selected for these applications.

MVQ (Silicone elastomer)
The principal feature of MQV is its wide temperature range. Its very good low-temperature flexibility, good ozone resistance and good electrical properties are other advantages. Its gas permeability is not as good as that of other elastometers. Operating temperatures are between -60°C and +200°C, up to +250°C for short periods.

EPDM (Ethylene-propylene diene elastomer)
EPDM elastometers have a very good resistance to ozone, ageing and weathering, also to water, hot water and steam. They are not resistant to mineral oils and greases. Their compatibility with chemicals is good. Operating temperatures are between -40°C and +160°C, up to +180°C for short periods.

FFKM (Perfluorelastometer)
FFKM has almost the same chemical resistance as RPTFE, plus elastic properties of the fluoroelastometer FKM, and it also has outstanding resistance to high temperatures, ozone, weathering and ageing. The range of service temperatures goes up to +315°C and +350°C for short periods. In the temperature range above +200°C FFKM has a very low and constant compression set.

CAPACITY COEFFICIENT

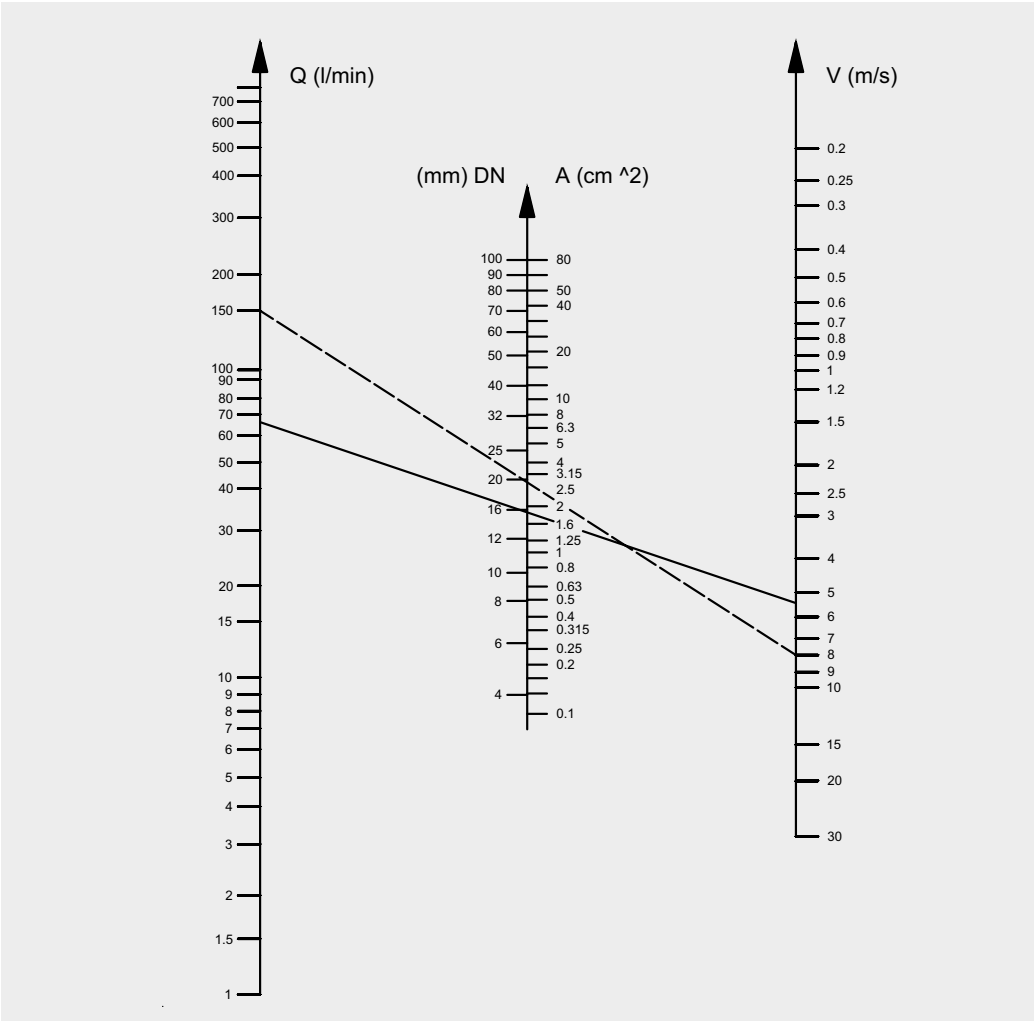
TEST WITH WATER AT 20°C		
DN FB	CV (G.P.M.)	KV (m³/h)
6	5	4.27
10	7	6
13	35	30.2
20	61	53.7
25	105	90.66
32	210	176.5
40	285	245.2
50	425	364.52
65	750	645.4
80	1038	889.5
100	NR	NR

DETERMINATION OF THE NOMINAL DIAMETER

We recommend to use the following oil rate as guide line:
Suction pipes:
- 0.5...0.8 m/sec
Return pipes:
- 2...4 m/sec
Pressure pipes up to 10 MPa:
- 2...4 m/sec
Pressure pipes up to 50 MPa:
- 3. . .12 m/sec

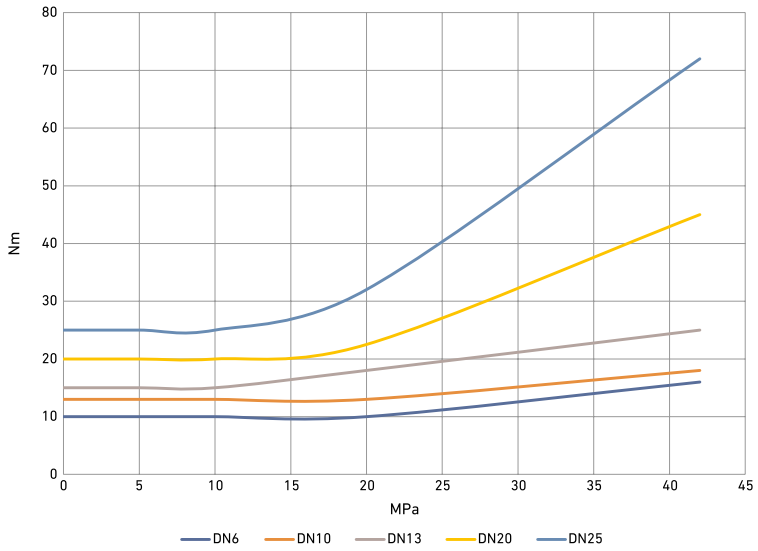
This diagram provides a guide for the determination of the nominal diameter (DN)

EXAMPLE 1:
A velocity v = 8 m/sec
and a flow rate of Q = 150 l/min have been selected.
The straight line linking these two values on the outer scales intersects the nominal diameter DN20 on the middle scale.



The company reserves the right to operate dimensional changes without prior notice.

TORQUE MOMENT



TORQUE MOMENT

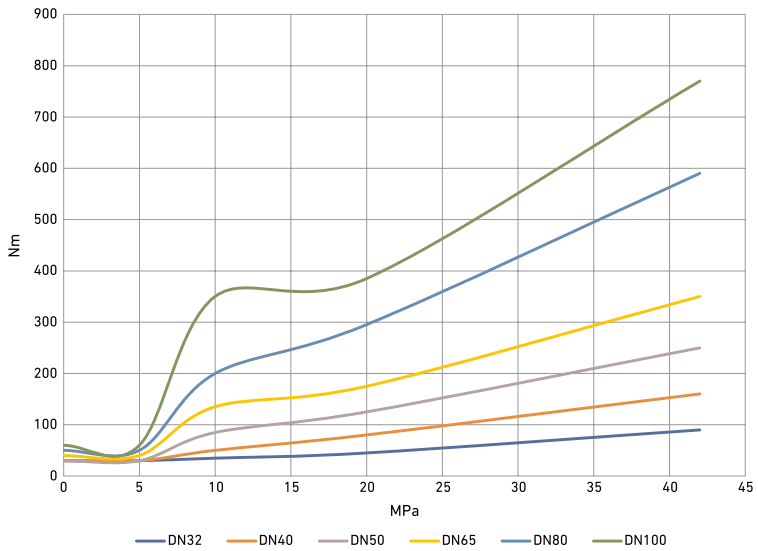


Diagram for the determination
of the nominal diameter

Note

Note

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The products described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this catalog are purely illustrative, and are consequently not contractually binding. Remember also that the products themselves must be used by qualified personnel, in compliance with current plant engineering and installation standards, in order to avoid injury to persons or damage to property.



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