



PHUC LONG TECHNOLOGY

PHUC LONG TECHNOLOGY JSC

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Instructions

About us

Phuc Long Technology JSC - was established 2017. We are proud of being a team with members who are qualified, creative and enthusiastic. A team of officially trained people by top universities in Vietnam with majors such as: Transmission, Hydraulic-Pneumatic, Automation, Precision Machining,..., A team of experts having experience in the following fields such as: Shipbuilding, Oil and Gas, Power Plant, Petro chemical, Refinery, Steels, Construction,...

Vision

Be a leading supplier of a wide range of products, services of installation, fabrication, and maintenance in Vietnam's hydraulic industry, with a strong position in the region and aiming to expand. to neighboring countries.

Mission

The sources and solutions

VALVE & INSTRUMENTATION



Phuc Long is your place to be

If you are looking for high-quality from reputable manufacturer, Phuc Long is the place to be. Phuc Long offers a wide range of DIN and ANSI valves and accessories. Many of our products are available from stock and can be adjusted to your specific wishes in our local workshop. For example valves can be assembled with actuators, positioners, limit switches etc.



Ball valves

Superior valve solution with wide-ranging applications.

Ball valves take a lead role in the valve industry. The high flow capacity coupled with being very simple to mechanize makes ball valves ideal for many applications where an open/close facility is required.

Phuc Long supplies ball valves for all uses ranging from brass valves suitable for simple application to flanged stainless suitable for corrosive media. Special valves can be supplied on request.



Ball valves

Ball valves have many advantages:

- Able to control high-pressure, high-flow rates and high-temperature
- Simple and high-quality construction
- Excellent price/quality ratio
- Broad applicability
- Maintenance friendly

PHUC LONG COMMON RANGE OF BALL VALVE

Brand	ECON, AbK, FORCE, Worcester , Medanaevisca
Type	General, floating, trunnion mounted
Body	1-piece, 2-piece, 3-piece, multi-port
Connection	NPT, BSPP, BSPT, DIN/ ASME flange, butt weld, socket weld
Pressure rating	PN 10/40; ANSI 150/1500
Body material	Forged / cast stainless steel, carbon steel, brass, bronze, alloys
Seat	PTFE, nylon, metal, PEEK, FKM, NBR, POM, graphite
Size	1/2" - 52"; DN 15 - DN 1200
Flange finish	RF, RTJ



Gate & globe valves

- Gate and globe valves are suitable for all kinds of process applications. These valves are suitable for all types of media, such as oil, gas, steam and corrosive liquids, making them a versatile selection.
- Gate and globe valves are a good choice for applications that do not need to be frequently turned on or off. Manufactured from a variety of materials making them suitable for all types of media and these valves can be modified to customer's requirements.

Each valve has its own advantages

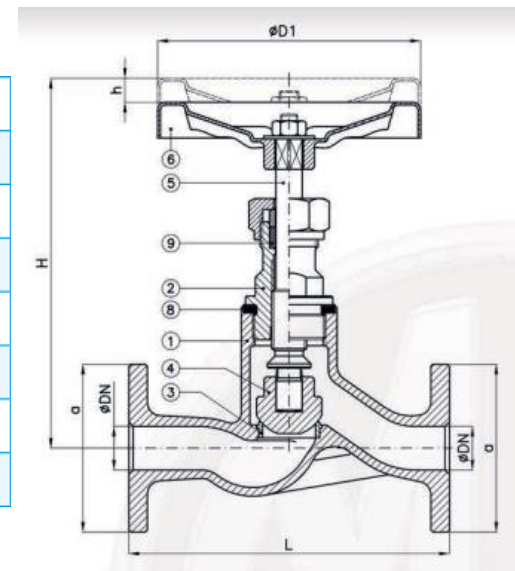
- Gate valves are easy-to-use, have minimal pressure loss, high flow rates and ability to seal tightly
- Globe valves has quick acting design, excellent and precise throttling ability for high pressure systems



Gate & globe valves

PHUC LONG COMMON RANGE OF GATE AND GLOBE VALVE

Brand	ECON, Smith, Medanaevisca
Type	General, bellows sealed, Y type, pressure sealed bonnet
Connection	NPT, BSPP, DIN/ASME flange, butt / socket weld, DIN/ASME wafer type
Pressure rating	PN 10/40; ANSI 150/4500
Body material	Forged / cast carbon / stainless steel, brass, bronze, cast, ductile cast iron, alloys
Sealing	Bronze, graphite, NBR
Size	Forged steel 1/2" - 2", cast steel 2" - 48", Bronze 1/4" - 4"
Flange finish	SW, RF, RTJ



Check valves

- Check valves have the purpose to prevent process flow from reverting in the system which could damage equipment or upset the process. Check valves are installed in virtually every industry.
- Check valves, like gate and globe valves, are suitable for all industrial process applications. Our check valves are designed in piston, ball and swing types.



Check valves

The silent check valve

Dual-plate check valves

- All purpose non return valve that is stronger, lighter and smaller than the conventional check valve, offers the twin advantages of no water hammer and non slam simultaneously
- Wafer type in sizes 2" - 12"
- Pressure rating: ANSI 150/1500

PHUC LONG COMMON RANGE OF CHECK VALVE

Brand	ECON, Smith , Medanaevisca
Type	Piston, ball, swing, dual plate
Connection	NPT, BSPP, DIN/ASME flange, butt/ socket weld, DIN/ASME wafer type
Pressure rating	PN 2.5/40; ANSI 150/600
Body material	Forged/ cast stainless steel, brass, bronze, cast, ductile cast iron, alloys
Sealing	Bronze, graphite, NBR
Size	Stainless steel 1/2" - 2", cast steel 2" - 48", Bronze 1/4" - 4"
Flange finish	SW, RF, RTJ



Butterfly valves

Compact design and quick operating valve with broad applicability

- Compact design and quick operating valve with broad applicability
- Through the simple construction and the great variation in materials, butterfly valves are broadly applied for various media such as water and air, but also chemical and corrosive media. Butterfly valves are used for open /close or simple regulating purposes.



Butterfly valves

The advantages of the butterfly valve

- Quick acting capability
- Broad applicability, suitable for neutral and corrosive media
- On/off and throttling design
- Compact, lightweight design
- Low pressure loss
- Maintenance friendly and easy-to-use

PHUC LONG COMMONE RANGE OF BUTTERFLY VALVE

Brand	ECON , Medanaevisca
Type	Centric, double offset, triple offset, metal seated, double flanged
Connection	Wafer type, monoflange type, lug type, double flange type
Pressure rating	PN 6/40; ANSI 150/600
Disc material	Bronze, stainless steel, cast, ductile cast iron, die cast steel, alloys, PTFE/FKA liked
Lining	Bonded or replaceable rubber, PTFE, EPDM
Size	2" - 64"; DN25 - DN3000
Flange finish	RF, DIN/ISO



Diaphragm valves

Reliable solution for leakage free and trouble free valve operations

- Diaphragm valves are especially suitable for aggressive media and 100% shutoff operation.
- Diaphragm valves have evolved to handle more fluids, gases, solids, and powder than any other type of valve. A wide choice of materials are available and a flexible range of operating methods have been developed to satisfy your needs

The high-performance valve for aseptic and sanitary processes

Saunders HC4 diaphragm valves

- Saunders HC4 diaphragm valves and machined block valves
- Maximum product purity and integrity
- Fully complies with all international standards for toxicity and purity as defined by regulatory bodies such as FDA, USP and ISO



Diaphragm valves

Diaphragm valve advantages

- 100% shutoff tight
- Suitable for chemical and corrosive media
- Resistance to corrosion, abrasion, contamination
- Trouble free operation, easy-to-use
- Maintenance-friendly
- Minimal pressure loss

PHUC LONG COMMON RANGE OF DIAPHRAGM VALVE

Brand	Saunders IDV , Medanaevisca
Type	Weir, straight-through
Connection	JIS, ANSI, NPT, BSP, DIN
Pressure rating	ANSI 125/150; JIS 10(k)
Body material	Bronze, gunmetal, cast iron, SG iron, stainless steel
Diaphragm	Nitrile, Butyl, EPDM, Natural Rubber, PTFE
Lining	Hard rubber, PP, Butyl, EFE, PVDF, PFA, glass, unlined
Size	1/2"- 16"; DN 15 - DN400



PHUC LONG options are many

Next to our ball, gate, globe, check, butterfly and diaphragm valves, PHUC LONG offers an extensive range of other valves with a large variety of materials, measurements and pressure stages

For critical applications where zero-leakage is required

Double block & bleed valves (VE®, MEDANAEVISCA)

- Substitute the principle of two in-line valves with a drain and or bleed valve
- Particularly suitable for tank storage, multi-product manifolds, metering stations and aviation & marine fueling stations
- Created an optimum seal without causing any abrasion and wear



Compact valve that excel in extreme pressure applications

Safety relief valves (ECON & Seetru, Medanaevisca)

- Safeguards your installation against extreme pressures
- Up to 250 °C and 500 bar
- Wide variety of connections; NPT, BSP, flanged
- Body material: bronze, brass, stainless steel

Protect your process equipment

Y-strainers (ECON, MEDANAIEVISCA)

- Most common strainer type, suitable for many industrial applications
- Connection: BSP female threaded, DIN flanges, ASME flanges, socket/butt welding
- Pressure rating: PN 6/40; ANSI 150/600
- Body material: bronze, carbon steel, stainless steel, cast iron, ductile cast iron



Looking for the best solution that suits your specific needs?

Phuc Long offers a complete range of valves to suit every demanding application. Many valves are available on short lead times from our local distribution center.



PHUC LONG eases your process control

Phuc Long offers a broad range of instruments for measuring, monitoring and controlling level and flow. All are supplied according to international standards. Most products can be adjusted to your specification.



Ensure precision with valve automation

Actuators

- Actuators play a major part in automated process control
- Valve actuators with accessories as limit switches, valve positioners etcetera take an increasing place in process and operating systems
- ECON and AMG, MEDANA, EVISCA pneumatic and electric operated valve actuators for all type of valves available



For applications where remote control is desired Solenoid valves

- Solenoid valves are used to control the flow liquids, gases and steam in a positive, fully closed or fully open mode
- Offers fast and safe switching, high reliability, long service life, good medium compatibility, low control power and compact design



Many options to ensure fluid control Measuring and control components

- Flow and level measuring and control components; mechanical and electronic instruments such as level gauges and gauge integral switches



Quick & easy inspection throughout your system

Sight glasses

- Transparent tube type to observe the level of liquid
- Flat glasses, domed glasses and reflex glasses
- Connection: BSP, DIN flanges, welded
- Body material: brass, bronze, cast iron, carbon steel and stainless steel



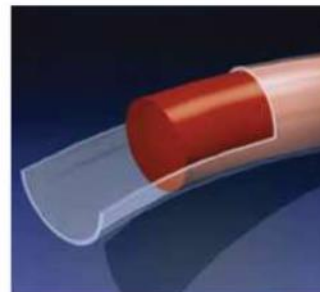
SEALING AND POLYMER

Phuc Long develops, produces and supplies a vast range of high quality seals and elastomeric/ polymeric custom part



O-rings

Wide range of sizes
Available in Nitrile,
EPDM, Neoprene,
Viton, FFKM, Aflas, PTFE
and Silicone material



TEFLEX (Ncap) O-rings

For critical application,
Providing optimum
chemical resistance



Oil Seals

Available in all types,
sizes and material, both
in metric and imperial
dimensions



Hydraulic Seals

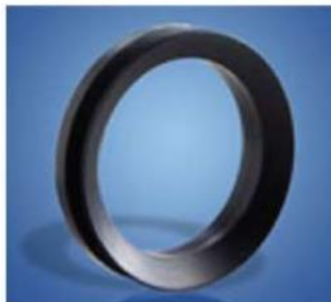
Rod and Piston seals,
Double Acting seals,
Wipers and Guide Rings.
Available material are PUR,
NBR reinforced with fabric
and PTFE

SEALING AND POLYMER



X-rings

Used in dynamic application. Designed for improved seal lubrication and to prevent rolling of the seal material



V-rings

To protect shaft against penetrating of impurities such as water, dust, sand, dirt, etc. Available in NBR and Viton material.



Custom Parts

Available in many materials, dimensions and shore hardness



Rubber Technology

Available in various materials, shapes and colors

SEALING AND POLYMER



Vulcanized O-rings

Cross sections ranging from 1.78 mm to 25.4 mm. Available in Silicone and Viton material



Compression Packings

All materials are available

GASKET

Phuc Long's unique mix of gasket expertise, extensive product range and specialist services help you achieve reliable productivity



Semi-Metallic Gaskets

Spiral Wound,
Camprofile,
Elastagraph, Elastalon,
Metal Jacketed



Metallic Gaskets

Ring Type Joints
Available in style
R, RX, BX, Soft Iron,
Steel and exotic
materials

GASKET



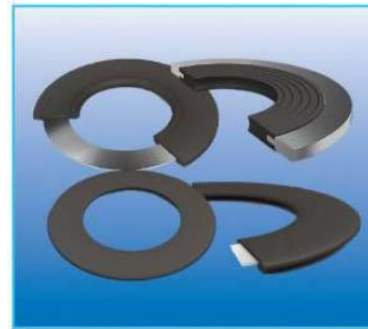
**LeaderTherm
Sheets/Gaskets**
Developed specifically
for high temperature
applications



**Customised
Gaskets**
Heat Exchangers,
Customised Design



**PTFE Sheets/
Gaskets**
Clipperlon Series :
2100, 2110, 2120 &
2130



**Elastomer
Sheets/Gaskets**
Available in NBR,
EPDM, Silicone,
Viton, etc..
EPDM with Steel
Insert



Soft Cut Sheets/Gaskets

CNAF PT Series :
20, 30, 50, 60
Graphite : Egraflex,
Tanged Insert Type,
Foil Insert Type



Sealant Tape
Available in PTFE,
Graphite

HIGH TEMPERATURE VALVE

Z91W

Z92W

Z91P

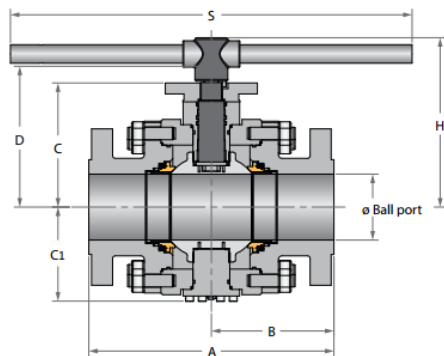
Z92P

2"-6" | DN50-DN150
CLASS 150/300

High Temperature Trunnion Ball 3 Piece Up to

W 200°C (400°F) | **P** 327°C (620°F)

Valve dimensions



Full port	Unit	Ball port	A		B		C	C1	D	W		MSQ	P SQ	H	S	F	TxL	Weight kg/lb		Kv/Cv		
			150	300	150	300				150	300							150	300	150	300	150
DN50	mm	49.00	178.00	216.00	89.00	108.00	127.00	91.50	144.50	150.00	165.00	17.00	22.00	196.00	401.00	(F10)	102.00	11X15	27	31	400	363
2"	inch	1.93	7.01	8.50	3.50	4.25	5.00	3.60	5.69	5.91	6.50	0.67	0.87	7.72	15.79		4.02	(4 holes)	60	68	463	420
DN80	mm	74.00	203.00	283.00	101.50	128.00	148.00	117.00	172.00	190.00	210.00	22.00	32.00	223.00	610.00	(F12)	125.00	13X15	44	61	1125	952
3"	inch	2.91	7.99	11.14	4.00	5.04	5.83	4.61	6.77	7.48	8.27	0.87	1.26	8.78	24.02		4.92	(4 holes)	97	134	1300	1100
DN100	mm	100.00	229.00	305.00	114.50	140.50	171.00	139.00	198.50	230.00	255.00	27.00	35.00	247.50	610.00	(F14)	140.00	18X15	66	100	2154	1860
4"	inch	3.94	9.02	12.00	4.51	5.53	6.73	5.47	7.81	9.06	10.04	1.06	1.38	9.74	24.02		5.51	(4 holes)	146	220	2490	2150
DN150	mm	150.00	394.00	403.00	185.00	230.40	254.00	191.00	290.50	280.00	320.00	36.00	46.20	356.50	916.00	(F16)	165.00	22X25	180	216	4723	4628
6"	inch	5.91	15.51	15.87	7.28	9.07	10.00	7.52	11.44	11.02	12.60	1.42	1.82	14.04	36.06		6.50	(4 holes)	397	476	5460	5350

HIGH TEMPERATURE VALVE

Z91W

Z92W

Z91P

Z92P

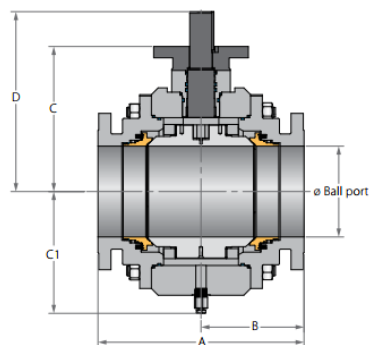
8"-12" | DN200-DN300
CLASS 150/300



High Temperature Trunnion Ball 3 Piece Up to

W 200°C (400°F) | **P** 327°C (620°F)

Valve dimensions



Full port	Unit	Ball port	A		B		C	C1	D	W	P	M	K	F	TxL	Weight kg/lb		Kv/Cv		
			150	300	150	300										150	300	150	300	150
DN200	mm	201.00	457.00	502.00	228.50	251.00	325.00	305.00	247.00	232.00	405.50	379.50	345.00	(F16)	165.00	22x25	346	378	9273	8737
8"	inch	7.91	17.99	19.76	9.00	9.88	12.80	12.01	9.72	9.13	15.96	14.94	13.58		6.50	(4 holes)	763	833	10720	10100
DN250	mm	252.00	533.00	568.00	270.00	287.50	353.00	359.00	297.00	299.00	430.00	454	405.00	(F25)	254.00	18x25	473	594	15224	14792
10"	inch	9.92	20.98	22.36	10.63	11.32	13.90	14.13	11.69	11.77	16.93	17.87	15.94		10.00	(8 holes)	1043	1310	17600	17100
DN300	mm	303.00	610.00	648.00	298.00	313.00	388.00	368.00	324.00	305.00	468.50	464	485.00	(F25)	254.00	18x25	723	833	23096	22404
12"	inch	11.93	24.02	25.51	11.73	12.32	15.28	14.49	12.76	12.01	18.44	18.27	19.09		10.00	(8 holes)	1594	1836	26700	25900

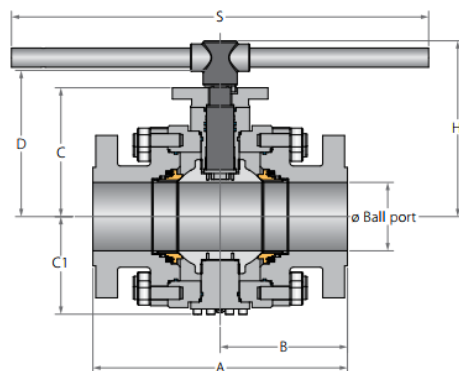
HIGH TEMPERATURE VALVE

Z93W **Z94W** **Z93P** **Z94P** 2"-6" | DN50-DN150
CLASS 600/900

High Temperature Trunnion Ball 3 Piece Up to

W 200°C (400°F) | **P** 327°C (620°F)

Valve dimensions



Full port	Unit	Ball port	A		B		C		C1		D		W		M SQ	P SQ	H	S	F	TxL	Weight kg/lb		Kv/Cv					
			600	900	600	900	600	900	600	900	600	900	600	900							600	900	600	900	600	900	600	900
DN50	mm	49.00	292.00	368.00	131.00	184.00	144.00	148.50	119.00	263.00	168.50	182.50	165.00	215.00	22.00	28.00	219.50	401.00	(F12)	125.00	13X15	49	67	329	294			
2"	inch	1.93	11.50	14.49	5.16	7.24	5.67	5.85	4.69	10.35	6.63	7.19	6.50	8.46	0.87	1.10	8.64	15.79	(F12)	4.92	(4 holes)	108	148	380	340			
DN80	mm	74.00	356.00	381.00	161.00	190.50	191.00	214.00	160.00	152.70	215.00	237.50	210.00	240.00	22.00	28.00	266.00	610.00	(F14)	140.00	18X24	103	114	874	822			
3"	inch	2.91	14.02	15.00	6.34	7.50	7.52	8.43	6.30	6.01	8.46	9.35	8.27	9.45	0.87	1.10	10.47	24.02	(F14)	5.51	(4 holes)	227	251	1010	950			
DN100	mm	100.00	432.00	457.00	216.00	228.50	217.00	193.00	184.00	184.00	246.50	259.00	275.00	290.00	27.00	36.00	316.50	916.00	(F16)	165.00	22X25	166	186	1557	1471			
4"	inch	3.94	17.01	17.99	8.50	9.00	8.54	7.60	7.24	7.24	9.70	10.20	10.83	11.42	1.06	1.42	12.46	36.06	(F16)	6.50	(4 holes)	366	410	1800	1700			
DN150	mm	150.00	559.00	610.00	278.00	305.00	282.50	368.00	214.50	224.00	320.50	463.00	355.00	380.00	36.00	48.20	385.00	916.00	(F16)	165.00	22X25	342	418	3893	3823			
6"	inch	5.91	22.01	24.02	10.94	12.01	11.12	14.49	8.44	8.82	12.62	18.23	13.98	14.96	1.42	1.90	15.16	36.06	(F16)	6.50	(4 holes)	754	922	4500	4420			

HIGH TEMPERATURE VALVE

Z93W

Z94W

Z93P

Z94P

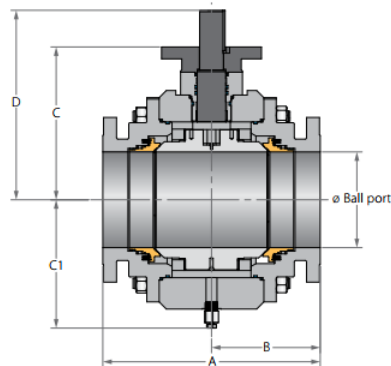
8"-12" | DN200-DN300
CLASS 600/900



High Temperature Trunnion Ball 3 Piece Up to

W 200°C (400°F) | **P** 327°C (620°F)

Valve dimensions



Full port	Unit	Ball port	A		B		C		C1		D		W		P	M	K	F	TxL	Weight kg/lb		Kv/Cv	
			600	900	600	900	600	900	600	900	600	900	600	900						600	900	600	900
DN200	mm	201.00	660.00	737.00	330.00	368.50	312.00	307.00	263.00	263.00	409.00	403.00	420.00	470.00	72.00	76.50	20.00	254.00	18x25	577	836	7742	7344
8"	inch	7.91	25.98	29.02	12.99	14.51	12.28	12.09	10.35	10.35	16.10	15.87	16.54	18.50	2.83	3.01	0.79	10.00	(8 holes)	1272	1843	8950	8490
DN250	mm	252.00	787.00	838.00	400.00	419.00	374.00	393.00	310.00	347.00	471.00	490.00	510.00	545.00	72.00	76.50	20.00	254.00	18x25	931	1301	12543	12110
10"	inch	9.92	30.98	32.99	15.75	16.50	14.72	15.47	12.20	13.66	18.54	19.29	20.08	21.46	2.83	3.01	0.79	10.00	(8 holes)	2052	2868	14500	14000
DN300	mm	303.00	838.00	965.00	419.00	482.50	402.00	419.00	344.00	361.00	499.00	544.00	560.00	610.00	72.00	76.50	20.00	254.00	18x35	1126	1576	19809	18598
12"	inch	11.93	32.99	37.99	16.50	19.00	15.83	16.50	13.54	14.21	19.65	21.42	22.05	24.02	2.83	3.01	0.79	10.00	(8 holes)	2482	3474	22900	21500

HIGH TEMPERATURE VALVE

Z95W

Z96W

Z95P

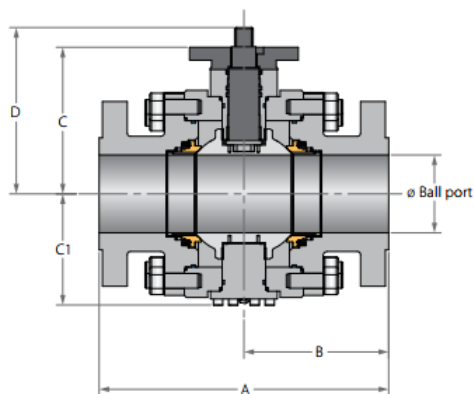
Z96P

2"-6" | DN50-DN150
CLASS 1500/2500

High Temperature Trunnion Ball 3 Piece Up to

W 200°C (400°F) | **P** 327°C (620°F)

Valve dimensions



Full port	Unit	Ball port	A		B		C	C1	D	W		M SQ	P SQ	F	TxL	Weight kg/lb		Kv/Cv		
			1500	2500	1500	2500				1500	2500					1500	2500	1500	2500	
DN50	mm	49.00	368.00	451.00	184.00	225.50	204.50	159.00	339.00	215.00	235.00	22.00	32.00	(F14)	140.00	18X12	90	179	281	260
2"	inch	1.93	14.49	17.76	7.24	8.88	8.05	6.26	13.35	8.46	9.25	0.87	1.26		5.51	(4 holes)	198	395	325	300
DN80	mm	74.00	470.00	578.00	235.00	289.00	262.00	201.50	342.50	265.00	305.00	27.00	35.00	(F14)	140.00	18x22	175	340	735	649
3"	inch	2.91	18.50	22.76	9.25	11.38	10.31	7.93	13.48	10.43	12.01	1.06	1.38		5.51	(4 holes)	386	750	850	750
DN100	mm	100.00	546.00	673.00	273.00	336.50	225.00	198.50	299.50	310.00	355.00	36.00	46.20	(F16)	165.00	22x25	330	646	1384	1228
4"	inch	3.94	21.50	26.50	10.75	13.25	8.86	7.81	11.79	12.20	13.98	1.42	1.82		6.50	(4 holes)	728	1424	1600	1420
DN150	mm	150.00	705.00	914.00	352.50	457.00	310.00	272.00	425.00	395.00	485.00	46.00	59.00	(F25)	254.00	22x30	627	1227	3590	2206
6"	inch	5.91	27.76	35.98	13.88	17.99	12.20	10.71	16.73	15.55	19.09	1.81	2.32		10.00	(8 holes)	1382	2705	4150	2550

HIGH TEMPERATURE VALVE

Z95W

Z96W

Z95P

Z96P

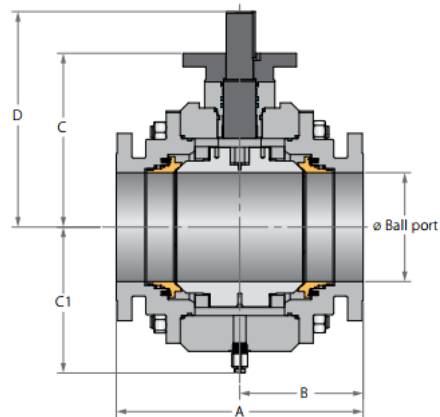
8"-12" | DN200-DN300
CLASS 1500/2500



High Temperature Trunnion Ball 3 Piece Up to

W 200°C (400°F) | **P** 327°C (620°F)

Valve dimensions



Full port	Unit	Ball port	A		B		C	C1	D	W		P	M	K	F	TxL	Weight kg/lb		Kv/Cv		
			1500	2500	1500	2500				1500	2500						1500	2500	1500	2500	1500
DN200	mm	201.00	832.00	1022.00	416.00	511.00	425.00	273.00	540.00	485.00	550.00	72.00	76.50	20.00	(F25)	254.00	18x25	1000	2330	6963	4758
8"	inch	7.91	32.76	40.24	16.38	20.12	16.73	10.75	21.26	19.09	21.65	2.83	3.01	0.79		10.00	(8 holes)	2205	5137	8050	5500
DN250	mm	252.00	991.00	1270.00	495.50	635.00	582.00	374.00	712.00	585.00	675.00	80.00	87.00	22.00	(F30)	298.00	22x30	1900	4427	11418	7526
10"	inch	9.92	39.02	50.00	19.51	25.00	22.91	14.72	28.03	23.03	26.57	3.15	3.43	0.87		11.73	(8 holes)	4189	9760	13200	8700
DN300	mm	303.00	1130.00	1422.00	565.00	711.00	797.00	512.00	927.00	675.00	760.00	80.00	87.00	22.00	(F30)	298.00	22x30	3610	8000	16868	10726
12"	inch	11.93	44.49	55.98	22.24	27.99	31.38	20.16	36.50	26.57	29.92	3.15	3.43	0.87		11.73	(8 holes)	7959	17637	19500	12400

HIGH TEMPERATURE VALVE

Z91W Z92W Z93W Z94W Z95W Z96W

Z91P Z92P Z93P Z94P Z95P Z96P 2"-6"

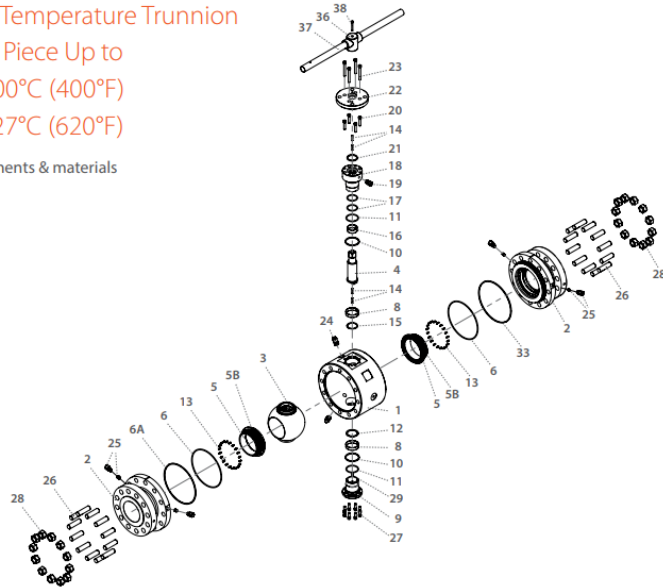
High Temperature Trunnion

Ball 3 Piece Up to

W 200°C (400°F)

P 327°C (620°F)

Components & materials



Item	Description	Material Spec. ASTM	Qty.
1	Body	Acc. Ordering code	1
2	Ends	Acc. Ordering code	2
3	Ball	Acc. Ordering code	1
4	Stem	Acc. Ordering code	1
5*	Seat	Acc. Ordering code	2
5B*	Seat seal	Viton / HNBR	2-4
6*	Body inner seal	Viton / HNBR	2
6A*	Body outer seal	Graphite	2
8*	Ball Bearing	S.steel 316 + PTFE	2
9	External Trunnion	S.steel / C.steel	1
10*	Gland Plate & External trunnion Fire Safe Seal	Graphite	2
11*	Gland Plate & External trunnion Seal	Viton / HNBR	2
12*	Lower thrust washer	S.steel 316 + PTFE	1
13	Seat Spring	Inconel X750	28-40
14	Gland pin	S.steel / C.steel	4
15*	Stem Thrust Washer	S.steel 316 + PTFE	1
16*	Gland plate bearing	S.steel 316 + PTFE	1

Item	Description	Material Spec. ASTM	Qty.
17*	Stem seal	Viton / HNBR	2
18	Gland Plate	S.steel / C.steel	1
19	Stem grease fitting	S.steel	1
20	Lower gland bolts	A193-B8M / A320 L7	4
21*	Stem fire safe seal	Graphite	1
22	Iso plate	S.steel / C.steel	1
23	Upper gland bolts	A193-B8M / A320 L7	4
24	Plug valve	S.steel	2
25**	Seat grease fitting + check valve	S.steel	4
26	Body studs	A193-B8M / A320 L7	16-24
27	External trunnion bolts	A193-B8M / A320 L7	4
28	Body nuts	A194-8M / A194 L7	16-24
29	Antistatic spring	Inconel X750	1
30	Wrench head	S.steel / C.steel	1
31	Wrench bolt	S.steel / C.steel	1
32	Pipe handle	S.steel / C.steel Zink plate	1

* Repair kit components

** Available from 6" size only

HIGH TEMPERATURE VALVE

Z91W

Z92W

Z93W

Z94W

Z95W

Z96W



Z91P

Z92P

Z93P

Z94P

Z95P

Z96P

8"-12"

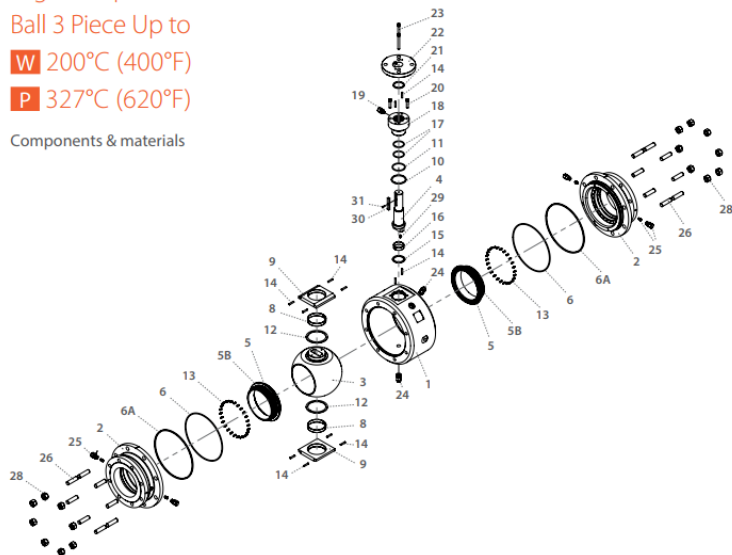
High Temperature Trunnion

Ball 3 Piece Up to

W 200°C (400°F)

P 327°C (620°F)

Components & materials



Item	Description	Material Spec. ASTM	Qty.
1	Body	Acc. Ordering code	1
2	Ends	Acc. Ordering code	2
3	Ball	Acc. Ordering code	1
4	Stem	Acc. Ordering code	1
5*	Seat	Acc. Ordering code	2
5B*	Seat seal	Viton, HNBR	2-4
6*	Body inner seal	Viton, HNBR	2
6A*	Body outer seal	Graphite	2
8*	Ball bearing	S.steel 316 + PTFE	2
9	Trunnion plate	S.steel / C.steel	2
10*	Gland plate & External Trunnion Fire Safe Seal	Graphite	1
11*	Gland Plate & External Trunnion Seal	Viton, HNBR	1
12*	Ball thrust washer	S.steel 316 + PTFE	2
13	Seat Spring	Inconel X750	52-60
14	Gland pin	S.steel / C.steel	12
15*	Stem Thrust Washer	S.steel 316 + PTFE	1
16*	Stem Bearing	S.steel 316 + PTFE	1

Item	Description	Material Spec. ASTM	Qty.
17*	Stem seal	Viton, HNBR	2
18	Gland Plate	S.steel / C.steel	1
19	Stem grease fitting	S.steel	1
20	Lower gland bolts	A193-B8M / A320 L7	2-6
21*	Stem fire safe seal	Graphite	1
22	Iso plate	S.steel / C.steel	1
23	Upper gland bolts	A193-B8M / A320 L7	2-6
24	Plug valve	S.steel	2
25**	Seat grease fitting + check valve	S.steel	4
26	Body studs	A193-B8M / A320 L7	16-32
28	Body nuts	A194-8M / A194 L7	16-32
29	Antistatic spring	Inconel X750	1
30	Stem key	S.steel / C.steel	1
31	Stem key bolt	S.steel / C.steel	1

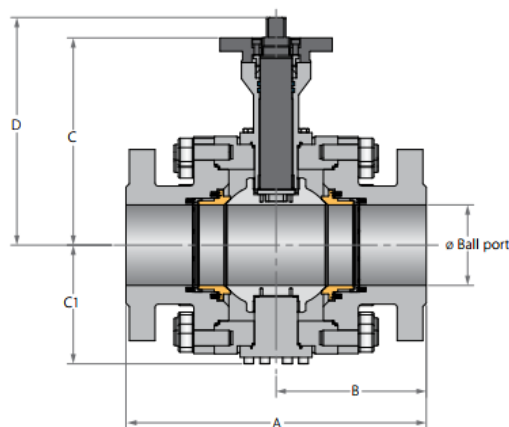
* Repair kit components

HIGH TEMPERATURE VALVE

Z91T **Z92T** 2"-6" | DN50-DN150 | CLASS 150/300

High Temperature Trunnion Ball 3 Piece Up to 538°C (1000°F)

Valve dimensions



Full port	Unit	Ball port	A		B		C	C1	D		MSQ	PSQ	F		TxL	Weight kg/lb		Kv/Cv	
			150	300	150	300			150	300						150	300	150	300
DN50	mm	49.00	178.00	216.00	89.00	108.00	250.00	94.00	269.00	150.00	165.00	16.90	(F10)	102.00	M10X15 (4 holes)	27	31	400	363
2"	inch	1.93	7.01	8.50	3.50	4.25	9.84	3.70	10.59	5.91	6.50	0.67		4.02		60	68	463	420
DN80	mm	74.00	203.00	283.00	101.50	141.50	277.00	117.00	301.00	190.00	210.00	21.90	(F12)	125.00	M12X15 (4 holes)	49	63	1125	952
3"	inch	2.91	7.99	11.14	4.00	5.57	10.91	4.61	11.85	7.48	8.27	0.86		4.92		108	139	1300	1100
DN100	mm	100.00	229.00	305.00	114.50	152.50	293.00	139.00	322.00	230.00	255.00	26.90	(F14)	140.00	M16X15 (4 holes)	72	96	2154	1860
4"	inch	3.94	9.02	12.00	4.51	6.00	11.54	5.47	12.68	9.06	10.04	1.06		5.51		159	212	2490	2150
DN150	mm	150.00	394.00	403.00	197.00	201.50	362.00	191.00	400.00	280.00	320.00	35.90	(F16)	165.00	M22X25 (4 holes)	166	184	4723	4628
6"	inch	5.91	15.51	15.87	7.76	7.93	14.25	7.52	15.75	11.02	12.60	1.41		6.50		366	406	5460	5350

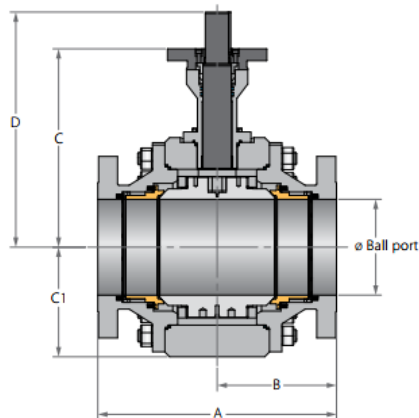
HIGH TEMPERATURE VALVE

Z91T **Z92T** 8"-12" | DN200-DN300 | CLASS 150/300



High Temperature Trunnion Ball 3 Piece Up to 538°C (1000°F)

Valve dimensions



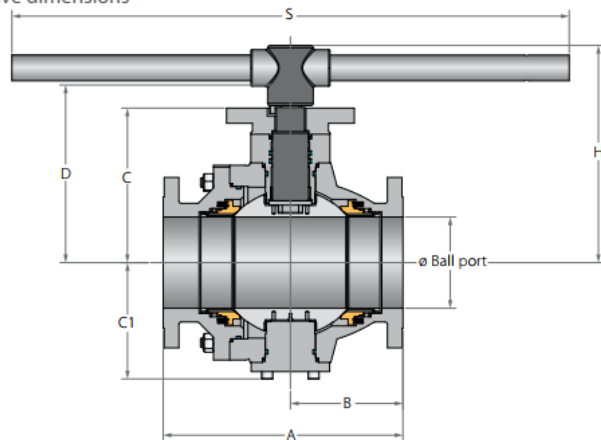
Full port	Unit	Ball port	A		B		C	C1	D	M	K	F		TxL	Weight kg/lb		Kv/Cv	
			150	300	150	300									150	300	150	300
DN200	mm	201.00	457.00	502.00	228.50	251.00	416.00	215.00	493.00	345.00	380.00	50.00	54.00	14.00	346	378	9273	8737
8"	Inch	7.91	17.99	19.76	9.00	9.88	16.38	8.46	19.41	13.58	14.96		1.97		2.13	0.55	10720	10100
DN250	mm	252.00	533.00	568.00	266.50	284.00	504.00	260.00	581.00	405.00	445.00	50.00	54.00	14.00	518	639	15224	14792
10"	Inch	9.92	20.98	22.36	10.49	11.18	19.84	10.24	22.87	15.94	17.52		1.97		2.13	0.55	17600	17100
DN300	mm	303.00	610.00	648.00	305.00	324.00	590.00	300.00	671.00	485.00	520.00	60.00	63.50	18.00	723	833	23096	22404
12"	Inch	11.93	24.02	25.51	12.01	12.76	23.23	11.81	26.42	19.09	20.47		2.36		2.50	0.71	26700	25900

HIGH TEMPERATURE VALVE

Z81P **Z82P** 2"-6" | DN50-DN150 | CLASS 150/300

High Temperature Trunnion Ball 2 Piece Up to 327°C (620°F)

Valve dimensions



Full port	Unit	Ball port	A		B		C	C1	D	W		MSQ	PSQ	H	S	F	TxL	Weight kg/lb		Kv/Cv	
			150	300	150	300				150	300							150	300	150	300
DN50	mm	49.00	178.00	216.00	89.00	108.00	127.00	91.50	144.50	150.00	165.00	17.00	22.00	196.00	401.00	102.00	11X15	19	23	400	363
2"	inch	1.93	7.01	8.50	3.50	4.25	5.00	3.60	5.69	5.91	6.50	0.67	0.87	7.72	15.79	4.02	(4 holes)	42	51	463	420
DN80	mm	74.00	203.00	283.00	101.50	128.00	148.00	117.00	172.00	190.00	210.00	22.00	32.00	223.00	610.00	125.00	13X15	33	44	1125	952
3"	inch	2.91	7.99	11.14	4.00	5.04	5.83	4.61	6.77	7.48	8.27	0.87	1.26	8.78	24.02	4.92	(4 holes)	73	97	1300	1100
DN100	mm	100.00	229.00	305.00	114.50	140.50	171.00	139.00	198.50	230.00	255.00	27.00	35.00	247.50	610.00	140.00	18X15	49	69	2154	1860
4"	inch	3.94	9.02	12.00	4.51	5.53	6.73	5.47	7.81	9.06	10.04	1.06	1.38	9.74	24.02	5.51	(4 holes)	108	152	2490	2150
DN150	mm	150.00	394.00	403.00	185.00	230.40	254.00	191.00	290.50	280.00	320.00	36.00	46.20	356.50	916.00	165.00	22X25	133	166	4723	4628
6"	inch	5.91	15.51	15.87	7.28	9.07	10.00	7.52	11.44	11.02	12.60	1.42	1.82	14.04	36.06	6.50	(4 holes)	293	366	5460	5350

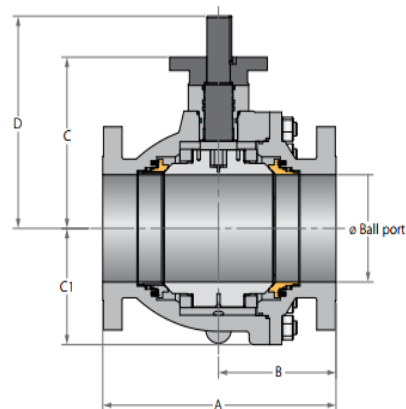
HIGH TEMPERATURE VALVE

Z81P **Z82P** 8"-12" | DN200-DN300 | CLASS 150/300



High Temperature Trunnion Ball 2 Piece Up to 327°C (620°F)

Valve dimensions



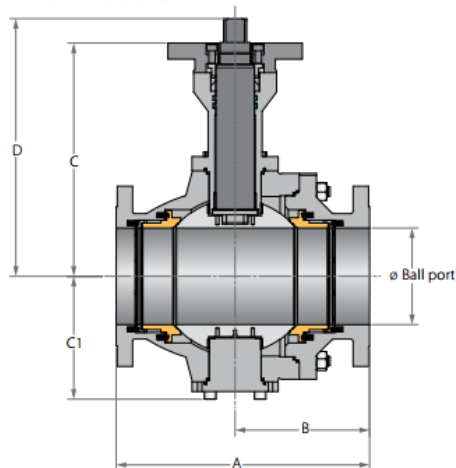
Full port	Unit	Ball port	A		B		C	C1	D	W		P	M	K	F	TxL	Weight kg/lb		Kv/Cv	
			150	300	150	300				150	300						150	300	150	300
DN200	mm	201.00	457.00	502.00	228.50	253.00	325.00	247.00	405.50	345.00	380.00	50.00	54.00	14.00	(F16)	165.00	222	262	9273	8737
8"	inch	7.91	17.99	19.76	9.00	9.96	12.80	9.72	15.96	13.58	14.96	1.97	2.13	0.55		6.50	489	578	10720	10100
DN250	mm	252.00	533.00	568.00	270.00	287.50	353.00	297.00	430.00	405.00	445.00	50.00	54.00	14.00	(F25)	254.00	358	424	15224	14792
10"	inch	9.92	20.98	22.36	10.63	11.32	13.90	11.69	16.93	15.94	17.52	1.97	2.13	0.55		10.00	789	935	17600	17100
DN300	mm	303.00	610.00	648.00	298.00	313.00	388.00	324.00	468.50	485.00	520.00	60.00	63.50	18.00	(F25)	254.00	527	613	23096	22404
12"	inch	11.93	24.02	25.51	11.73	12.32	15.28	12.76	18.44	19.09	20.47	2.36	2.50	0.71		10.00	1162	1351	26700	25900

HIGH TEMPERATURE VALVE

Z81T **Z82T** 2"-6" | DN50-DN150 | CLASS 150/300

High Temperature Trunnion Ball 2 Piece Up to 538°C (1000°F)

Valve dimensions



Full port	Unit	Ball port	A		B		C	C1	D	W		MSQ	P SQ	F		TxL		Weight kg/lb		Kv/Cv	
			150	300	150	300				150	300							150	300	150	300
DN50	mm	49.00	178.00	216.00	89.00	113.50	250.00	94.00	269.00	150.00	165.00	16.90	21.30	(F10)	102.00	M10X15	22	25	400	363	
2"	inch	1.93	7.01	8.50	3.50	4.47	9.84	3.70	10.59	5.91	6.50	0.67	0.84		4.02	(4 holes)	49	55	463	420	
DN80	mm	74.00	203.00	283.00	101.50	154.00	277.00	117.00	301.00	190.00	210.00	21.90	26.90	(F12)	125.00	M12X15	40	51	1125	952	
3"	inch	2.91	7.99	11.14	4.00	6.06	10.91	4.61	11.85	7.48	8.27	0.86	1.06		4.92	(4 holes)	88	112	1300	1100	
DN100	mm	100.00	229.00	305.00	114.50	164.50	293.00	139.00	322.00	230.00	255.00	26.90	34.90	(F14)	140.00	M16X15	61	73	2154	1860	
4"	inch	3.94	9.02	12.00	4.51	6.48	11.54	5.47	12.68	9.06	10.04	1.06	1.37		5.51	(4 holes)	134	161	2490	2150	
DN150	mm	150.00	394.00	403.00	209.10	207.60	362.00	191.00	400.00	280.00	320.00	35.90	46.20	(F16)	165.00	M22X25	133	145	4723	4628	
6"	inch	5.91	15.51	15.87	8.23	8.17	14.25	7.52	15.75	11.02	12.60	1.41	1.82		6.50	(4 holes)	293	320	5460	5350	

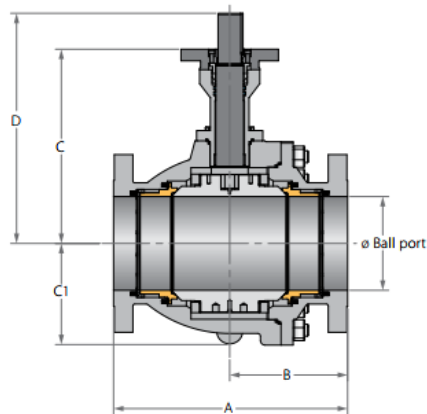
HIGH TEMPERATURE VALVE

Z81T **Z82T** 8"-12" | DN200-DN300 | CLASS 150/300



High Temperature Trunnion Ball 2 Piece Up to 538°C (1000°F)

Valve dimensions



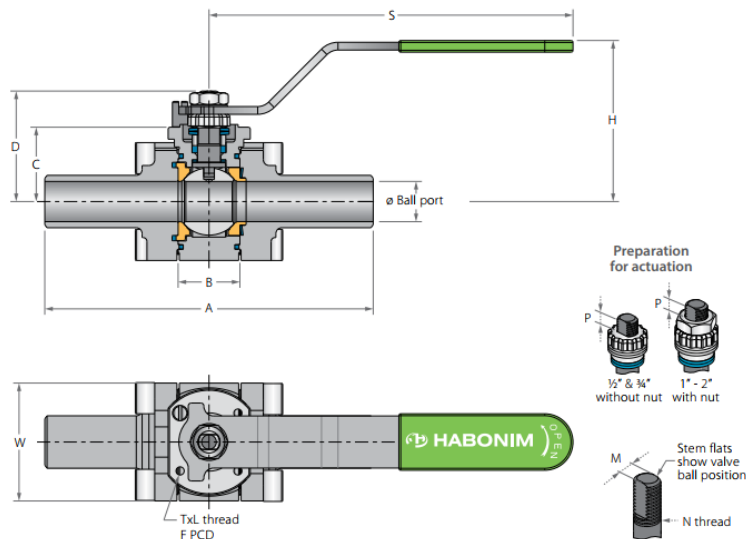
Full port	Unit	Ball port	A		B		C	C1	D	W		P	M	K	F		TxL	Weight kg/lb		Kv/Cv	
			150	300	150	300				150	300							150	300	150	300
DN200	mm	201.00	457.00	502.00	228.50	253.00	416.00	215.00	493.00	345.00	380.00	50.00	54.00	14.00	(F16)	165.00	22x25	250	288	9273	8737
8"	inch	7.91	17.99	19.76	9.00	9.96	16.38	8.46	19.41	13.58	14.96	1.97	2.13	0.55		6.50	(4 holes)	551	635	10720	10100
DN250	mm	252.00	533.00	568.00	270.00	287.50	504.00	260.00	581.00	405.00	445.00	50.00	54.00	14.00	(F25)	254.00	18x25	405	475	15224	14792
10"	inch	9.92	20.98	22.36	10.63	11.32	19.84	10.24	22.87	15.94	17.52	1.97	2.13	0.55		10.00	(8 holes)	893	1047	17600	17100
DN300	mm	303.00	610.00	648.00	298.00	313.00	590.00	300.00	671.00	485.00	520.00	60.00	63.50	18.00	(F25)	254.00	18x25	595	672	23096	22404
12"	inch	11.93	24.02	25.51	11.73	12.32	23.23	11.81	26.42	19.09	20.47	2.36	2.50	0.71		10.00	(8 holes)	1312	1481	26700	25900

HIGH TEMPERATURE VALVE

Z47W **Z47P** 1/4"-2" | DN8-DN50 | CLASS 600

Floating Ball 3 Piece Up to **W** 260°C (500°F) | **P** 400°C (750°F)

Valve dimensions



Valve Face To Face sizes are according to Habonim catalog data only, for Extended-weald/Flanged/Tri-clamp end see Face To Face sizes page.

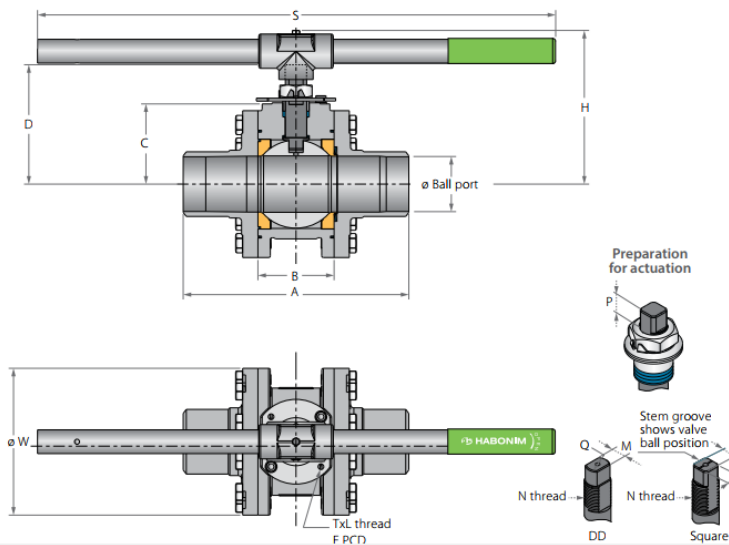
Std. port	Full port	Unit	Ball port	A		B	C	D	H	S	W	M	N	P	F	TxL	Weight kg/lb	Kv	Cv
				Welded	Threaded														
DN15	DN8, DN10	mm	11.15	140.60	66.00	20.60	29.00	37.90	62.00	150.00	46.00	5.54	3/8" UNF	6.65 (F03)	36.00	M5x10	1	6.9	
1/2"	1/4", 3/8"	inch	0.44	5.54	2.60	0.81	1.14	1.49	2.44	5.91	1.81	0.22	3/8" UNF	0.26	1.42	M5x10	2	8.0	
DN20	DN15	mm	14.30	146.95	70.60	24.55	31.40	40.30	64.00	150.00	52.10	5.54	3/8" UNF	6.65 (F03)	36.00	M5x10	1	10	
3/4"	1/2"	inch	0.56	5.79	2.78	0.97	1.24	1.59	2.52	5.91	2.05	0.22	3/8" UNF	0.26	1.42	M5x10	2	12	
DN25	DN20	mm	20.65	168.75	94.00	31.75	38.15	55.50	80.00	187.00	60.50	7.54	7/16" UNF	7.40 (F04)	42.00	M5x10	2	28	
1"	3/4"	inch	0.81	6.64	3.70	1.25	1.50	2.19	3.15	7.36	2.38	0.30	7/16" UNF	0.29	1.65	M5x10	4	32	
DN32	DN25	mm	25.50	179.25	108.50	41.25	42.65	60.50	84.50	187.00	69.00	7.54	7/16" UNF	7.40 (F04)	42.00	M5x10	3	49	
1 1/4"	1"	inch	1.00	7.06	4.27	1.62	1.68	2.38	3.33	7.36	2.72	0.30	7/16" UNF	0.29	1.65	M5x10	6	57	
DN40	DN32	mm	31.80	189.40	116.00	48.40	43.50	73.00	96.00	237.00	79.20	8.71	9/16" UNF	8.50 (F05)	50.00	M6x12	3	69	
1 1/2"	1 1/4"	inch	1.25	7.46	4.57	1.91	1.71	2.87	3.78	9.33	3.12	0.34	9/16" UNF	0.33	1.97	M6x12	8	80	
DN50	DN40	mm	38.10	200.30	128.00	56.30	48.20	77.70	100.00	237.00	90.70	8.71	9/16" UNF	8.50 (F05)	50.00	M6x12	5	102	
2"	1 1/2"	inch	1.50	7.89	5.04	2.22	1.90	3.06	3.94	9.33	3.57	0.34	9/16" UNF	0.33	1.97	M6x12	11	208	

HIGH TEMPERATURE VALVE

Z47W **Z47P** 2½"-8" | DN65-DN200 | CLASS 600

Floating Ball 3 Piece Up to **W** 260°C (500°F) | **P** 400°C (750°F)

Valve dimensions



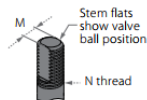
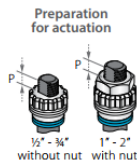
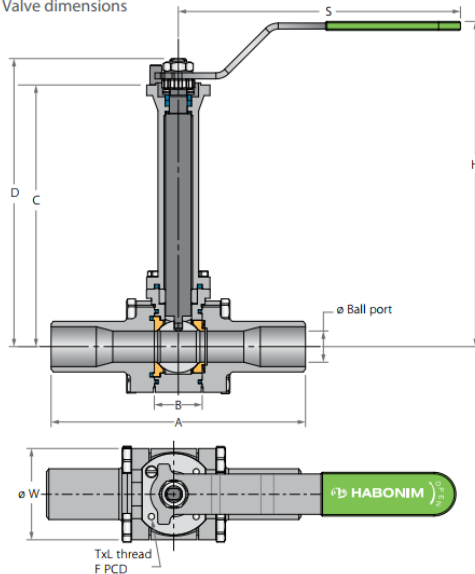
Valve Face To Face sizes are according to Habonim catalog data only, for Extended-weld/Flanged/Tri-clamp end see Face To Face sizes page.

Std. port	Full port	Unit	Ball port	A		B	C	D	H	S	W	M	M (DD)	Q	N	P	F	TxL	Weight kg/lb	Kv Cv
				Welded	Threaded															
DN65	DN50	mm	51.00	200.00	160.00	75.00	87.50	134.00	174.00	401.00	150.00	18.90	15.90	22.70	1"-14	16.70 (F10)	102.00	M10x20	14.20	430
2½"	2"	inch	2.01	7.87	6.30	2.95	3.44	5.28	6.85	15.79	5.91	0.74	0.63	0.89	UNS-2A	0.66	4.02		31.24	499
DN80	DN65	mm	63.75	285.00	213.00	108.80	114.10	160.60	201.00	600.00	191.50	18.90	15.90	22.70	1"-14	16.70 (F10)	102.00	M10x20	25.00	1000
3"	2½"	inch	2.51	11.22	8.39	4.28	4.49	6.32	7.91	23.62	7.54	0.74	0.63	0.89	UNS-2A	0.66	4.02		55.00	1160
DN100	DN80	mm	80.00	356.00	-	110.00	126.50	195.90	256.6	916.00	210.00	28.45	23.75	35.20	1½"-12	26.20 (F12)	125.00	M12x20	38.00	1830
4"	3"	inch	3.15	14.02	-	4.33	4.98	7.71	10.10	36.06	8.27	1.12	0.94	1.39	UNF-2A	1.03	4.92		83.60	2123
DN150	DN100	mm	100.00	395.00	-	135.00	142.40	211.9	-	-	260.00	28.45	23.75	35.20	1½"-12	26.20 (F12)	125.00	M12x20	60.00	4380
6"	4"	inch	3.94	15.55	-	5.31	5.61	8.34	-	-	10.24	1.12	0.94	1.39	UNF-2A	1.03	4.92		132.00	5081
DN200	DN150	mm	150.00	490.00	-	190.00	194.00	307	-	-	360.00	35.92	35.92	46.50	2"-8	40.00 (F14)	140.00	M16x20	130.00	8070
8"	6"	inch	5.91	19.29	-	7.48	7.64	12.09	-	-	14.17	1.41	1.41	1.83	UN-2A	1.57	5.51		286.00	9361
	DN200	mm	200.00	500.00	-	275.00	245.00	400	-	-	470.00	45.90	45.90	55.00	2¾"-8	50.00 (F16)	165.00	M20x30	315.00	7600
	8"	inch	7.87	19.69	-	10.83	9.65	15.75	-	-	18.50	1.81	1.81	2.17	UN-2A	1.97	6.50		693.00	6590

HIGH TEMPERATURE VALVE

Floating Ball 3 Piece Up to **T** 538°C (1000°F) | **M** 650°C (1200°F)

Valve dimensions



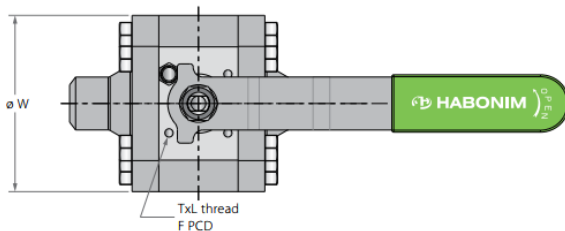
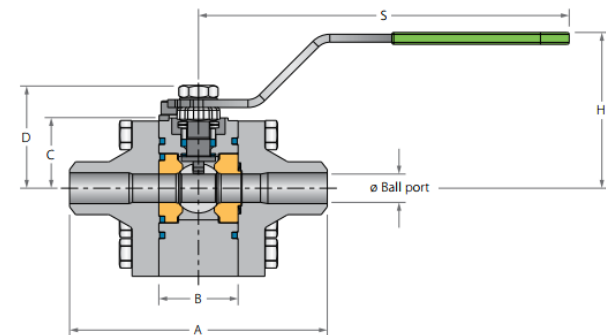
Valve Face To Face sizes are according to Habonim catalog data only, for Extended-weald/Flanged/Tri-clamp end see Face To Face sizes page.

Std. port	Full port	Unit	Ball port	A		B	C	D	H	S	W	M	N	P	F	W	TxL	Weight kg/lb	Kv Cv	
				Welded	Threaded															
DN15	DN8, DN10	mm	11.15	140.60	66.00	20.60	181.40	190.30	214.40	150.00	46.00	5.54	3/8" UNF	6.65	(F03)	36.00	M5x10	1.35	6.9	
1/2"	1/4", 3/8"	inch	0.44	5.54	2.60	0.81	7.14	7.49	8.44	5.91	1.81	0.22		0.26		1.42			2.97	8.0
DN20	DN15	mm	14.30	146.95	70.60	24.55	183.40	192.30	216.40	150.00	52.10	5.54		6.65	(F03)	36.00			1.55	11
3/4"	1/2"	inch	0.56	5.79	2.78	0.97	7.22	7.57	8.52	5.91	2.05	0.22	3/8" UNF	0.26		1.42	M5x10	3.41	12	
DN25	DN20	mm	20.65	168.75	94.00	31.75	190.40	207.90	231.40	230.00	60.50	7.54		7.40	(F04)	42.00		M5x10	2.85	28
1"	3/4"	inch	0.81	6.64	3.70	1.25	7.50	8.19	9.11	9.06	2.38	0.30		0.29		1.65				6.27
DN32	DN25	mm	25.50	179.25	108.50	41.25	195.40	212.90	236.40	230.00	69.00	7.54	7.40	(F04)	42.00	M5x10	3.55		49	
1 1/4"	1"	inch	1.00	7.06	4.27	1.62	7.69	8.38	9.31	9.06	2.72	0.30	0.29		1.65			7.81	57	
DN40	DN32	mm	31.80	189.40	116.00	48.40	195.40	224.90	248.40	237.00	79.20	8.71	9/16" UNF	8.50	(F05)		50.00	M6x12	4.50	69
1 1/2"	1 1/4"	inch	1.25	7.46	4.57	1.91	7.69	8.85	9.78	9.33	3.12	0.34		0.33		1.97			9.90	80
DN50	DN40	mm	38.10	200.30	128.00	56.30	200.40	229.90	253.40	237.00	90.70	8.71		9/16" UNF	8.50	(F05)	50.00		M6x12	6.00
2"	1 1/2"	inch	1.50	7.89	5.04	2.22	7.89	9.05	9.98	9.33	3.57	0.34	0.33			1.97		13.20		118
DN65	DN50	mm	51	200	160.00	75	239.90	286.40	326.40	401	150	18.90	15.90		22.70	1"-14 UNF-2A	16.70 (F10)	102.00		M10x20
2 1/2"	2"	inch	2.01	7.87	6.30	2.95	9.44	11.28	12.85	15.79	5.91	0.74	0.63	0.89	1"-14 UNF-2A	0.66		4.02	42.2	
DN80	DN65	mm	63.75	285.00	213.00	108.80	266.50	313.00	353.50	600.00	191.50	18.90	15.90	22.70	1"-14 UNF-2A	16.70 (F10)	102.00	M10x20	300	300
3"	2 1/2"	inch	2.51	11.22	8.39	4.28	10.49	12.32	13.92	23.62	7.54	0.74	0.63	0.89	1"-14 UNF-2A	0.66			4.02	66.0
DN100	DN80	mm	80	356	-	110	278.90	348.00	-	-	210	28.45	23.75	35.20	1 1/2"-12 UNF-2A	26.20 (F12)	125.00	M12x20	460	615
4"	3"	inch	3.15	14.02	-	4.33	10.98	13.70	-	-	8.27	1.12	0.94	1.39	1 1/2"-12 UNF-2A	1.03			4.92	101.2
DN150	DN100	mm	100	400.00	-	135	294.80	364.00	-	-	260	28.45	23.75	35.20	1 1/2"-12 UNF-2A	26.20 (F12)	125.00	M12x20	680	872
6"	4"	inch	3.94	15.75	-	5.31	11.61	14.33	-	-	10.24	1.12	0.94	1.39	1 1/2"-12 UNF-2A	1.03			4.92	149.6
DN200	DN150	mm	150	490	-	190	397.20	510.00	-	-	360	35.92	35.92	46.50	2"-8 UNF-2A	40.00 (F14)	140.00	M16x20	1480	1552
8"	6"	inch	5.91	19.29	-	7.48	15.64	20.08	-	-	14.17	1.41	1.41	1.83		2"-8 UNF-2A	1.57			5.51
DN200	mm	200	500	-	275	499.00	654.00	-	-	-	470	45.90	45.90	55.00	2 3/4"-8 UNF-2A	50.00 (F16)	165.00	M20x30	3800	1552
8"	inch	7.87	19.69	-	10.83	19.65	25.75	-	-	-	18.50	1.81	1.81	2.17		2 3/4"-8 UNF-2A	1.97			6.50

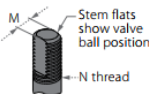
HIGH TEMPERATURE VALVE

HP Floating Ball 3 Piece Up to **W** 260°C (500°F) | **P** 400°C (750°F)

Valve dimensions



Preparation for actuation

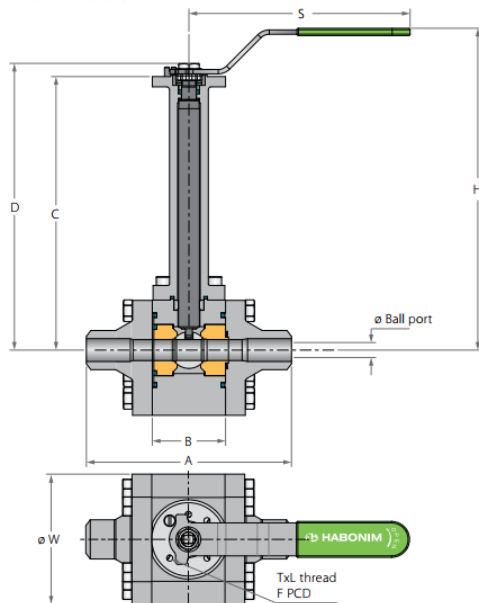


Std. port	Full port	Unit	Ball port	A		B	C	D	H	S	W	M	N	P	F	W	TxL	Weight kg/lb	Kv Cv	
				XBW/XSW	Threaded															
DN15	DN8, DN10	mm	11.15	159.00	92.00	35.00	29.00	38.00	63.00	150.00	69.00	5.54	3/8" UNF	6.70	(F03)	36.00	M5X10	2.75	6.9	
1/2"	1/4", 3/8"	inch	0.44	6.26	3.62	1.38	1.14	1.50	2.48	5.91	2.72	0.22		0.26		1.42			6.1	8.0
DN20	DN15	mm	13.00	169.00	100.00	40.00	34.10	52.40	78.00	230.00	89.00	7.54	1/2" UNF	11.30	(F04)	42.00	M5X10	4.3	10	
3/4"	1/2"	inch	0.51	6.65	3.94	1.57	1.34	2.06	3.07	9.06	3.50	0.30		0.44		1.65			9.5	12
DN32	DN25	mm	25.40	193.00	133.00	49.00	51.50	69.50	96.00	237.00	119.00	8.71	3/4" UNF	14.30	(F05)	50.00	M6X12	9.5	49	
1 1/4"	1"	inch	1.00	7.60	5.24	1.93	2.03	2.74	3.78	9.33	4.69	0.34		0.56		1.97			20.9	57
DN25	DN20	mm	20.65	190.00	125.00	49.00	43.70	66.00	92.00	237.00	104.00	7.54	1/2" UNF	14.30	(F05)	50.00	M6X12	6.8	28	
1"	3/4"	inch	0.81	7.48	4.92	1.93	1.72	2.60	3.62	9.33	4.09	0.30		0.56		1.97			15.0	32
DN32	DN25	mm	25.40	193.00	133.00	49.00	51.50	69.50	96.00	237.00	119.00	8.71	3/4" UNF	14.30	(F05)	50.00	M6X12	9.5	49	
1 1/4"	1"	inch	1.00	7.60	5.24	1.93	2.03	2.74	3.78	9.33	4.69	0.34		0.56		1.97			20.9	57
DN40	DN32	mm	31.80	237.00	154.00	70.00	53.00	94.60	123.20	401	134.00	-	M20x2.5	14.25	(F07)	70.00	M8x12	14.5	69	
1 1/2"	1 1/4"	inch	1.25	9.33	6.06	2.76	2.09	3.72	4.85	15.79	5.28	-		0.56		2.76			31.9	80
DN50	DN32	mm	38.10	241.00	157.00	70.00	64.10	101.60	130.00	600.00	169.00	-	M20x2.5	13.80	(F07)	70.00	M8x12	22.0	102	
2"	1 1/4"	inch	1.50	9.49	6.18	2.76	2.52	4.00	5.12	23.62	6.65	-		0.54		2.76			48.4	118
DN65	DN50	mm	51	302.00	194.00	94.00	87.50	134.00	174.50	401	197.00	18.90	15.90	22.70	20.00	(F10)	102.00	M10x20	36.0	208
2 1/2"	2"	inch	2.01	11.89	7.64	3.70	3.44	5.28	6.87	15.79	7.76	0.74	0.63	0.89	0.79		4.02		79.2	241
DN80	DN65	mm	63.75	378.00	254.00	115.00	110.00	167.60	-	-	249.00	28.45	23.75	35.20	22.25	(F12)	125.00	M12x20	76.0	300
3"	2 1/2"	inch	2.51	14.88	10.00	4.53	4.33	6.60	-	-	9.80	1.12	0.94	1.39	0.88		4.92		167.2	348
DN100	DN80	mm	80	410.00	-	130.00	136.00	203.00	-	-	298.00	35.92	35.92	46.50	30.00	(F14)	140.00	M16x20	110.0	615
4"	3"	inch	3.15	16.14	-	5.12	5.35	7.99	-	-	11.73	1.41	1.41	1.83	1.18		5.51		242.0	713
DN150	DN100	mm	100	510.00	-	175.00	177.00	281.00	-	-	389.00	45.90	45.90	55.00	40.00	(F16)	165.00	M20x30	235.0	872
6"	4"	inch	3.94	20.08	-	6.89	6.97	11.06	-	-	15.31	1.81	1.81	2.17	1.57		6.50		517.0	1012

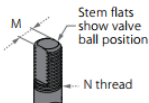
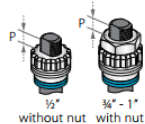
HIGH TEMPERATURE VALVE

High Temperature HP Floating Ball 3 Piece Up to 650°C (1200°F)

Valve dimensions



Preparation for actuation

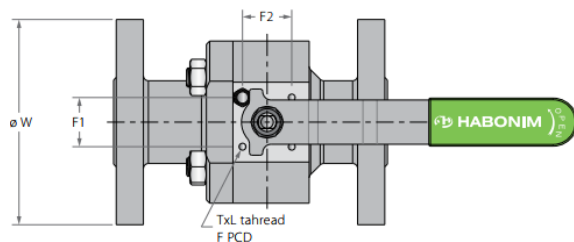
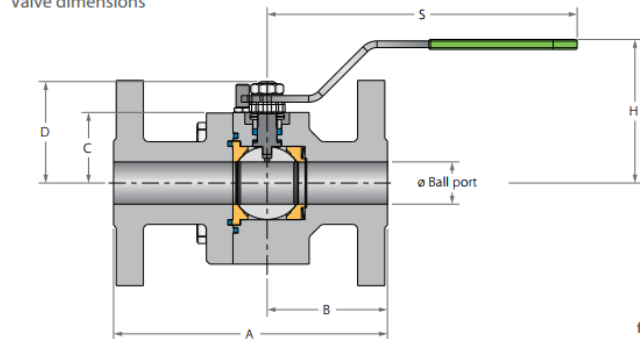


Std. port	Full port	Unit	Ball port	A		B	C	D	H	S	W	M	N	P	F	W	TxL	Weight kg/lb	Kv Cv
				Welded	Threaded														
DN15	DN8, DN10	mm	11.15	174.00	107.00	50.00	182.00	191.00	216.00	150.00	69.50	5.54	3/8" UNF	6.65 (F03)	36.00		M5X10	4.3	6.9
1/2"	1/4", 3/8"	inch	0.44	6.85	4.21	1.97	7.17	7.52	8.50	5.91	2.74	0.22		0.26		1.42		9.5	8.0
DN20	DN15	mm	13.00	189.00	120.00	60.00	187.00	204.50	229.00	230.00	98.00	7.54	3/8" UNF	7.40 (F04)	42.00		M5X10	5.0	10
3/4"	1/2"	inch	0.51	7.44	4.72	2.36	7.36	8.05	9.02	9.06	3.86	0.30		0.29		1.65		11.0	12
DN25	DN20	mm	20.65	209.00	144.00	68.00	196.50	226.00	252.00	237.00	109.00	7.54	3/8" UNF	7.40 (F04)	42.00		M5X10	10.5	28
1"	3/4"	inch	0.81	8.23	5.67	2.68	7.74	8.90	9.92	9.33	4.29	0.30		0.29		1.65		23.1	32
DN32	DN25	mm	193.00	225.00	152.00	68.00	204.50	233.00	260.00	237.00	128.00	8.71	3/8" UNF	8.50 (F05)	50.00		M6X12	13.0	49
1 1/4"	1"	inch	7.60	8.86	5.98	2.68	8.05	9.17	10.24	9.33	5.04	0.34		0.33		1.97		28.6	57
DN40	DN32	mm	31.80	237.00	154.00	95.00	205.80	247.40	283.00	401	145.00	-	13.90	20.00	14.60 (F07)	70.00	M8x12	25	69
1 1/2"	1 1/4"	inch	1.25	9.33	6.06	3.74	8.10	9.74	11.14	15.79	5.71	-	0.55	0.79	0.57	2.76		55.0	80
DN50	DN40	mm	38.10	241.00	157.00	105.00	257.80	299.40	335.00	600.00	215.00	-	13.90	20.00	14.60 (F07)	70.00	M8x12	50	102
2"	1 1/2"	inch	1.50	9.49	6.18	4.13	10.15	11.79	13.19	23.62	8.46	-	0.55	0.79	0.57	2.76		110.0	118
DN65	DN50	mm	51	302.00	194.00	125.00	275.00	344.50	384.50	401.00	240.00	18.90	15.90	22.70	16.70 (F10)	102.00	M10x20	80	208
2 1/2"	2"	inch	2.01	11.89	7.64	4.92	10.83	13.56	15.14	15.79	9.45	0.74	0.63	0.89	0.66	4.02		176.0	241
DN80	DN65	mm	63.75	378.00	254.00	140.00	292.80	362.30	-	-	265.00	28.45	23.75	35.20	26.20 (F12)	125.00	M12x20	125	300
3"	2 1/2"	inch	2.51	14.88	10.00	5.51	11.53	14.26	-	-	10.43	1.12	0.94	1.39	1.03	4.92		275.0	348
DN100	DN80	mm	80	410.00	N/A	140.00	395.00	507.70	-	-	310.00	35.92	35.92	46.50	40.00 (F14)	140.00	M16x20	175	615
4"	3"	inch	3.15	16.14	N/A	5.51	15.55	19.99	-	-	12.20	1.41	1.41	1.83	1.57	5.51		385.0	713
DN150	DN100	mm	100	510.00	N/A	195.00	480.00	281.00	-	-	395.00	45.90	45.90	55.00	50.00 (F16)	165.00	M20x30	435	872
6"	4"	inch	3.94	20.08	N/A	7.68	18.90	11.06	-	-	15.55	1.81	1.81	2.17	1.97	6.50		957.0	1012

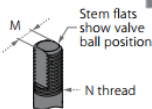
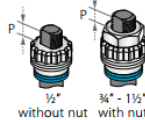
HIGH TEMPERATURE VALVE

Floating Ball Flanged Up to **W** 260°C (500°F) | **P** 400°C (750°F)

Valve dimensions



Preparation for actuation

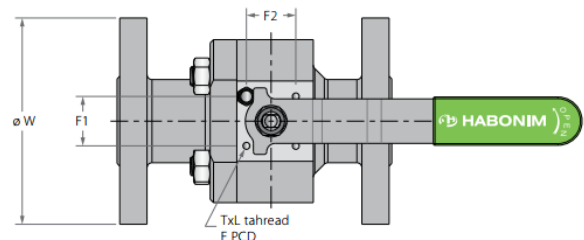
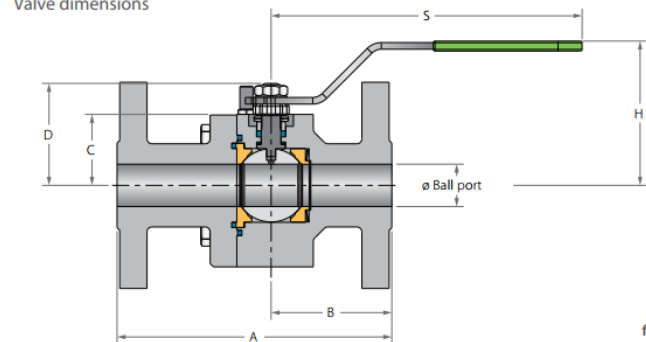


Std. port	Unit	Ball port	A		B		C	D	H	S	W		M	N	P	F	TxL	Weight kg/lb		Kv	Cv
			150	300	150	300					150	300						150	300		
DN15	mm	14.30	108.00	139.70	49.00	60.00	29.40	40.40	92.00	151.00	89.00	95.00	5.54	3/8" UNF	6.65 (F03)	36.00	M5x10	2.70	4	28	
1/2"	inch	0.56	4.25	5.50	1.93	2.36	1.16	1.59	3.62	5.94	3.50	3.74	0.22		0.26	1.42		6.00	9	32	
DN20	mm	20.65	117.00	152.00	58.00	65.00	38.20	55.70	103.50	170.00	98.00	117.00	7.54	1/2" UNF	7.40 (F04)	42.00	M5x10	4.00	5	46	
3/4"	inch	0.81	4.61	5.98	2.28	2.56	1.50	2.19	4.07	6.69	3.86	4.61	0.30		0.29	1.65		8.80	12	53	
DN25	mm	25.50	127.00	165.00	55.00	73.00	42.65	60.20	108.00	170.00	108.00	124.00	7.54	3/4" UNF	7.40 (F04)	42.00	M5x10	5.40	7	80	
1"	inch	1.00	5.00	6.50	2.17	2.87	1.68	2.37	4.25	6.69	4.25	4.88	0.30		0.29	1.65		11.90	15	93	
DN40	mm	38.10	165.00	190.00	68.00	80.40	48.20	77.70	124.00	220.50	127.00	156.00	8.71	1 1/4" UNF	8.50 (F05)	50.00	M6x12	7.20	10	220	
1 1/2"	inch	1.50	6.50	7.48	2.68	3.17	1.90	3.06	4.88	8.68	5.00	6.14	0.34		0.33	1.97		15.90	23	255	
DN50	mm	50.05	178.00	216.00	69.00	75.10	70.00	111.60	137.30	256.00	152.00	165.00	-	M20x2.5	14.60 (F07)	70.00	M8x12	11	14	430	
2"	inch	1.97	7.01	8.50	2.72	2.96	2.76	4.39	5.41	10.08	5.98	6.50	-	0.55	0.79	0.57	2.76		25	31	499
DN80	mm	80.00	203.00	282.50	77.50	96.40	108.00	154.60	194.80	610.00	191.00	210.00	18.90	1 1/2" UNF-2A	16.70 (F10)	102.00	M10x20	22	28	1000	
3"	inch	3.15	7.99	11.12	3.05	3.80	4.25	6.09	7.67	24.00	7.52	8.27	0.74	0.63	0.89	0.66	4.02		48	62	1160
DN100	mm	100.00	228.50	304.80	84.50	104.50	124.00	210.80	-	-	230.00	254.00	18.90	1 1/2" UNF-2A	16.70 (F10)	102.00	M12x20	39	44	1830	
4"	inch	3.94	9.00	12.00	3.33	4.11	4.88	8.30	-	-	9.06	10.00	0.74	0.63	0.89	0.66	4.02		86	98	2123
DN150	mm	150.00	394.00	403.50	163.50	174.50	179.00	248.50	-	-	328.00	328.00	28.45	1 1/2" UNF-2A	26.20 (F12)	125.00	M12x20	82	100	4380	
6"	inch	5.91	15.51	15.89	6.44	6.87	7.05	9.78	-	-	12.91	12.91	1.12	0.94	1.39	1.03	4.92		181	220	5081
DN200	mm	200.00	457.20	501.80	242.50	240.70	241.00	353.70	-	-	450.00	450.00	35.92	2" UNF-2A	37.50 (F14)	140.00	M16x30	190	225	8070	
8"	inch	7.87	18.00	19.75	9.55	9.48	9.49	13.93	-	-	17.72	17.72	1.41	1.41	1.83	1.48	5.51		419	496	9361

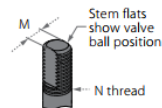
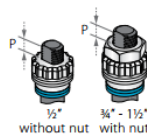
HIGH TEMPERATURE VALVE

Floating Ball Flanged Up to **W** 260°C (500°F) | **P** 400°C (750°F)

Valve dimensions



Preparation for actuation

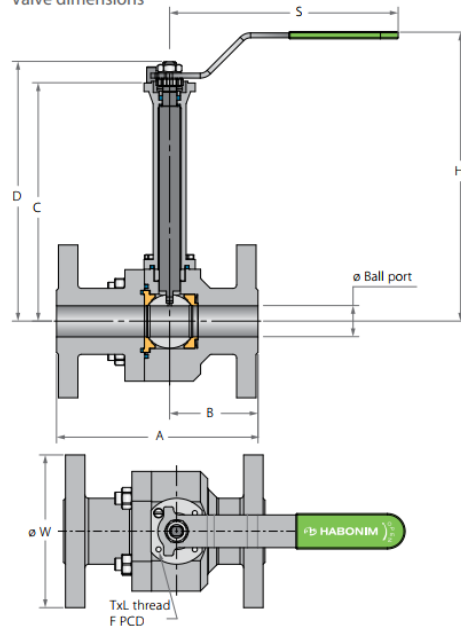


Std. port	Unit	Ball port	A	B	C	D	H	S	W	M	N	P	F	TxL	Weight kg/lb	Cv			
DN15	mm	14.30	130.00	49.00	29.40	38.40	92.00	151.00	95.00	5.54	3/8" UNF	6.65	(F03)	36.00	M5x10	3	28		
1/2"	inch	0.56	5.11	1.93	1.16	1.51	3.62	5.94	3.74	0.22		0.26		1.42			7	32	
DN20	mm	20.65	150.00	58.00	38.20	55.70	103.50	170.00	105.00	7.54	3/4" UNF	7.40	(F04)	42.00	M5x10	4	46		
3/4"	inch	0.81	5.90	2.28	1.50	2.19	4.07	6.69	4.13	0.30		0.29		1.65			9	53	
DN25	mm	25.50	160.00	55.00	42.65	60.20	108.00	170.00	115.00	7.54	3/4" UNF	7.40	(F04)	42.00	M5x10	6	80		
1"	inch	1.00	6.30	2.17	1.68	2.37	4.25	6.69	4.53	0.30		0.29		1.65			13	93	
DN40	mm	38.10	140.00	65.90	48.20	77.70	124.00	220.50	150.00	8.71	9/16" UNF	8.50	(F05)	50.00	M6x12	8	220		
1 1/2"	inch	1.50	5.51	2.59	1.90	3.06	4.88	8.68	5.91	0.34		0.33		1.97			18	255	
DN50	mm	50.05	150.00	60.70	70.00	111.60	137.30	256.00	165.00	-	13.90	20.00	M20x2.5	14.60	(F07)	70.00	M8X12	11	430
2"	inch	1.97	5.91	2.39	2.76	4.39	5.41	10.08	6.50	-	0.55	0.79		0.57		2.76			25
DN80	mm	80.00	180.00	77.50	108.00	154.60	194.80	610.00	200.00	18.90	15.90	22.70	1"-14 UNF-2A	16.70	(F10)	102.00	M10X20	24	1000
3"	inch	3.15	7.09	3.05	4.25	6.09	7.67	24.00	7.87	0.74	0.63	0.89		0.66		4.02			53
DN100	mm	100.00	190.00	84.50	124.00	210.80	-	-	225.00	18.90	15.90	22.70	1"-14 UNF-2A	16.70	(F10)	102.00	M10X20	31	1830
4"	inch	3.94	7.48	3.33	4.88	8.30	-	-	8.86	0.74	0.63	0.89		0.66		4.02			69
DN150	mm	150.00	350.00	163.50	179.00	248.50	-	-	328.00	28.45	23.75	35.20	1 1/2"-12 UNF-2A	26.20	(F12)	125.00	M12X20	78	4380
6"	inch	5.91	13.78	6.44	7.05	9.78	-	-	12.91	1.12	0.94	1.39		1.03		4.92			172

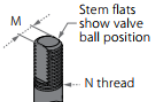
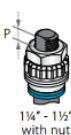
HIGH TEMPERATURE VALVE

Floating Ball Flanged Up to 538°C (1000°F)

Valve dimensions



Preparation for actuation



Std. port	Unit	Ball port	A		B		C	D	H	S	W		M	N	P	F	TxL	Weight kg/lb		Kv
			150	300	150	300					150	300						150	300	
DN32	mm	31.8	140	178	59	-	49.00	73	120.5	220.1	115	135	8.71	1/4" UNF	8.5 (F05)	50	M6x12	-	-	-
1 1/4"	inch	1.25	5.51	7.00	2.32	-	1.92	2.87	4.74	8.66	4.53	5.31	0.34		0.33	1.97	M6x12	-	-	-
DN40	mm	38.10	165.00	190.00	68.00	80.40	201.00	230.60	276.80	237.00	127.00	165.00	8.71	1/4" UNF	8.50 (F05)	50.00	M6x12	8.5	11.5	220
1 1/2"	inch	1.50	6.50	7.48	2.68	3.17	7.91	9.08	10.90	9.33	5.00	-	0.34		0.33	1.97	M6x12	18.7	25.3	255
DN50	mm	51	178.00	216.00	69.00	75.10	222.80	264.40	290.00	256.00	127.00	127.00	-	M20x2.5	14.60 (F07)	70.00	M8x12	13.5	15.5	430
2"	inch	2.01	7.01	8.50	2.72	2.96	8.77	10.41	11.42	10.08	5.00	5.00	-		0.57	2.76	M8x12	29.7	34.1	499
DN80	mm	80	203.00	282.50	77.50	96.40	260.40	307.00	347.20	401.00	190.50	210.00	18.90	1" -14 UNF-2A	16.70 (F10)	102.00	M10x20	25	32	1000
3"	inch	3.15	7.99	11.12	3.05	3.80	10.25	12.09	13.67	15.79	7.50	8.27	0.74		0.66	4.02	M10x20	55.0	70.4	1160
DN100	mm	100	228.50	304.80	84.50	104.50	276.40	323.00	-	230.00	254.00	18.90	15.90	1" -14 UNF-2A	16.70 (F10)	102.00	M10x20	45	50.0	1830
4"	inch	3.94	9.00	12.00	3.33	4.11	10.88	12.72	-	9.06	10.00	0.74	0.63		0.66	4.02	M10x20	99.0	110.0	2123
DN150	mm	150	394.00	403.50	163.50	174.50	382.20	451.70	-	328.00	328.00	28.45	23.75	1 1/2" -12 UNF-2A	26.20 (F12)	125.00	M12x20	90	110	4380
6"	inch	5.91	15.51	15.89	6.44	6.87	15.05	17.78	-	12.91	12.91	1.12	0.94		1.03	4.92	M12x20	198.0	242.0	5081
DN200	mm	200	457.20	501.65	242.50	240.70	495.50	608.20	-	343.00	381.00	35.92	35.92	2" -8 UN-2A	37.50 (F14)	140.00	M16x30	210	245	8070
8"	inch	7.87	18.00	19.75	9.55	9.48	19.51	23.94	-	13.50	15.00	1.41	1.41		1.48	5.51	M16x30	462.0	539.0	9361

FLOW TECHNOLOGY

Phuc Long Flow Control offers you in-depth application knowledge, high quality products, custom solutions, efficiency and cost reduction



Ball Valves

Type : General, floating, trunnion mounted
Connection : NPT, BSPP, BSPT, DIN/ASME flange, etc.
Body : Forged/cast stainless steel, bronze, alloys, etc.
Seat : PTFE, nylon, metal, etc.



Cryogenic Valves

Type : Ball, Butterfly, Check, Gate, Globe
Connection: BW, RF, SW, NPT
Body : CF3M, CF3, CF 8, CF 8M, Dual Certified, F316L, F304L, F316, F304

FLOW TECHNOLOGY



Butterfly Valves

Type : Centric, double offset, triple offset, etc.
 Connection : Wafer, lug, monoflange, double flange
 Disc Material : Bronze, cast, stainless steel, etc.
 Lining : Bonded or replaceable Rubber, PTFE, EPDM



Check Valves

Type : Piston, ball, swing, dual plate
 Connection : NPT, BSPP, DIN/ASME flange, etc.
 Body : Forged/cast stainless steel, brass, bronze, etc.
 Sealing : Bronze, graphite, NBR



Gate & Globe Valves

Type : General, bellows sealed, Y type, pressure sealed bonnet
 Connection : NPT, BSPP, DIN/ASME flange, etc.
 Body : Forged/cast carbon/stainless steel, brass, ductile cast iron, etc.
 Sealing : Bronze, graphite, NBR



Y-Strainers

Type : Most common strainer type, suitable for many industrial applications
 Connection : BSP female threaded, DIN/ASME flanges, socket/butt weld
 Body : Bronze, stainless steel, carbon steel, etc.

FLOW TECHNOLOGY



Other Valve Types

- Double Block & Bleed
- Double Compressed Air Valve
- Fire Fighting Valves
- Non-Return Valves
- Plug Valves
- Pressure Relief Valves
- Regulating Valves
- Safety Valves
- Others

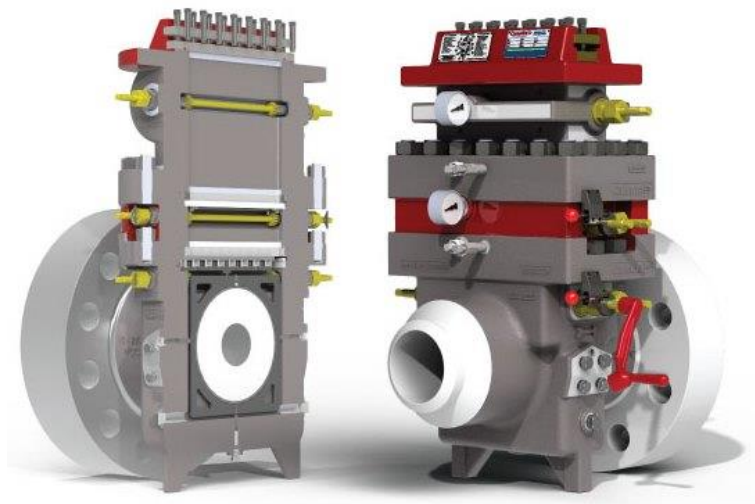


Accessories

- Actuators
- Solenoid valves
- Sight glasses
- Level gauges
- Measuring and control components

FLOW TECHNOLOGY

Flow elements

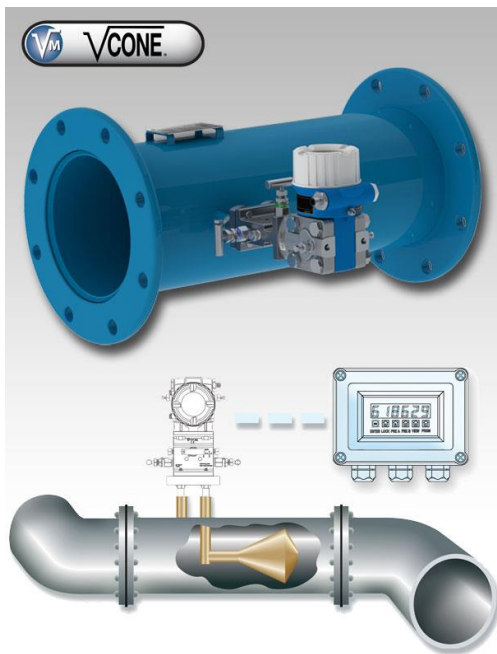


DBB Orifice Fitting



Single Chamber Orifice Fitting

FLOW TECHNOLOGY



INDUSTRIAL & HYDRAULIC HOSE

Phuc Long is the worldwide leading supplier of industrial and hydraulic hose, coupling and accessories. Your choice for safe, reliable and leak-proof systems.

Brand: Hansa-Flex, Parker, Ryco, Alphogoma, Hose supplies, Panflex,...



Hydraulic Hoses and Assembly

- Higher Impulse Life
- Minimum Bending Radius
- Abrasion Resistance Cover
- Ozone Resistance
- Rubber & Thermoplastic



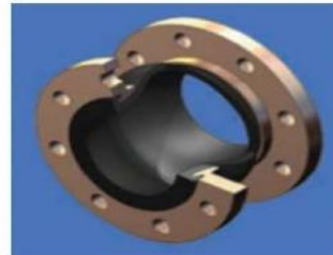
Couplings and Fittings

- Higher Impulse Life
- Minimum Bending Radius
- Abrasion Resistance Cover
- Ozone Resistance
- Rubber & Thermoplastic



Metal Hose

- Annularly Corrugated with one or two Braid
- Extreme Temperature
- High Pressure/ Vacuum
- Excellent Life Cycle
- Minimum effort to bend or flex
- Aggressive media



Rubber Expansion Joint

- Wide range of possible media and material
- Excellent vibration absorption
- Also available on Fabric

INDUSTRIAL & HYDRAULIC HOSE



Rubber and Thermoplastic Hose

- Air
- Nitrogen
- Chemical
- Food & Beverage
- Multipurpose
- Oil/Petroleum
- Steam



Metal Expansion Joint

- Exhaust Expansion Joint
- Absorb Axial and Angular Movement
- Ideal for Vibration Absorption
- Double Lateral Expansion Joint



Hydraulic Hose Inserts and Fittings

- Quality Assured
- Type Approved
- Standard and Interlock
- NPT/BSP/JIC/ORFS/SAE



PTFE Expansion Joint

- Excellent Chemical resistance
- Multi Applications
- FDA approved

INDUSTRIAL & HYDRAULIC

Hydraulic tubing and instrumentation tubing

SIZE:

- Outside Diameter From 1/16" (1.59 mm) to 8" (203.2 mm)
- Wall Thickness: From 0.010" (0.25 mm) to 0.225" (5.7 mm)
- Straight Lengths: Up to 90 feet (27 m)



INDUSTRIAL & HYDRAULIC HOSE

Hydraulic tubing and instrumentation tubing

MATERIALS:

- 304/304L, 310, 316/316L, 316LN, 316Ti, 316LVM, 317L, 321, 347, 6 Mo, 21-6-9, 22-13-5, 446, 17-4PH, FV 607, 904L
- Alloys: Duplex (UNS S31803), Super Duplex (UNS S32750), Super Duplex (UNS S32760),....

Fast delivery for: Duplex, Super Duplex, 6% Moly and Nickel Alloys
Stockiest in vietnam for 316L with all sizes and thickness



INDUSTRIAL & HYDRAULIC HOSE

INSTRUMENTATION FITTING



Tube Fittings-Double Ferrule
Single Ferrule



Pipes Fittings



Welded Fittings

INDUSTRIAL & HYDRAULIC HOSE

INSTRUMENTATION FITTING



Specially: High Pressure Fittings and Tubing

- Available components are elbows, tees, crosses, couplings, check valves and filters...
- Fittings and tubing used to complete flow system, Up to 15,000 PSI (10342 bar).
- Size: 1/4" to 1" tubing
- Material: 316L, Alloy, Duplex, Supper Duplex

PIPING & FITTING

FLANGES

Standard facings:

Raised face (RF), Ring-type joint (RTJ), Flat face (FF),
Male/female , Tongue/groove

Standard type Flanges:

Weld-neck , Blind, Slip-on, Lap-joint , Screwed

Non-standard types:

Long weld neck, Orifice , Spade, Spacer Spectacle,
Swivel-ring, Cross-over, Adaptor

Material: Stainless steel, Galvanize steel, Cuni 90/10,
Duplex, Supper Duplex, Nickle Alloy,...



PIPING & FITTING

BUTT WELD FITTINGS

Dimensions in accordance with:

ANSI B16.5 • ANSI B16.47

BS EN 1092-1 • BS1560 • BS4504

API 6A • API 6B (wellhead equipment)

ANSI B16.36 (orifice flanges) • API 605

D.I.N • A.F.N.O.R • J.I.C • API 17D.

ANSI B16.9 • MSS SP43 • MSS SP75

BS1640 • BS1965 • B16.28

Material: Stainless steel, Galvanize steel, Cuni 90/10,
Duplex, Supper Duplex, Nickle Alloy,...



PIPING & FITTING

SEAMLESS & WELDED PIPES

Material Grade:

Super Duplex (both S32760 and S32750 / 2507...)

Duplex (S31803 / 2205...)

6% Moly (S31254)

Nickel Alloys (Alloy 400, 625, 800, 825, etc)

Stainless Steels (316L, 304L, 904L, 310, 321, etc)

Carbon Steel (ASTM A106, API 5L)

Low Temperature (A333 - Grade 6 and 3)

High Yield (Offshore) Grades (API 5L, X52, X60, X62..)

**Fast delivery for: Duplex, Super Duplex, 6%
Moly, Nickel Alloys**



PRODUCT'S EXPLOSION ELECTRICAL EQUIPMENTS



LIGHTING FIXTURES
FLUORESCENT,
FLOODLIGHTS
LED,



ENCLOSURES,
STAINLESS STEEL,
ALUMINIUM,
GRP ..



PRODUCT'S EXPLOSION ELECTRICAL EQUIPMENTS



Cable glands - Conduit fittings - Control stations



Miscellaneous (Earthing clamps, **WEATHERPROOF CONTROL PANELS**, Acoustic signallers...



OUR CLIENT



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