

2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

2 pieces ball valve 800lbs forged carbon steel with welding ends full bore for Chemical and Pharmaceutical industries, petrochemical industries, hydraulic installation, heating and compressed air.

Ball valve with fire safe certificate BS 67755-2 to reduce risks in case of fire.

PTFE filled with 25% Carbon seat, packing and body gasket.

Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22 thanks to the double antistatic device.

Handling possible with locking device, stainless steel handle or oval hand wheel.



NACE
MR01-75

Certificate
3.1



Size : DN8 to DN50

Connection : Butt Welding, Socket welding or straight welding

Min Temperature : -20°C

Max Temperature : +180°C

Max Pressure : 136 Bars (Class 800)

Specifications : Anti blow-out stem, ATEX

Fire safe BS 6755-2

Antistatic device

Full bore

Materials : Forged Carbon Steel ASTM A105N

2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

SPECIFICATIONS :

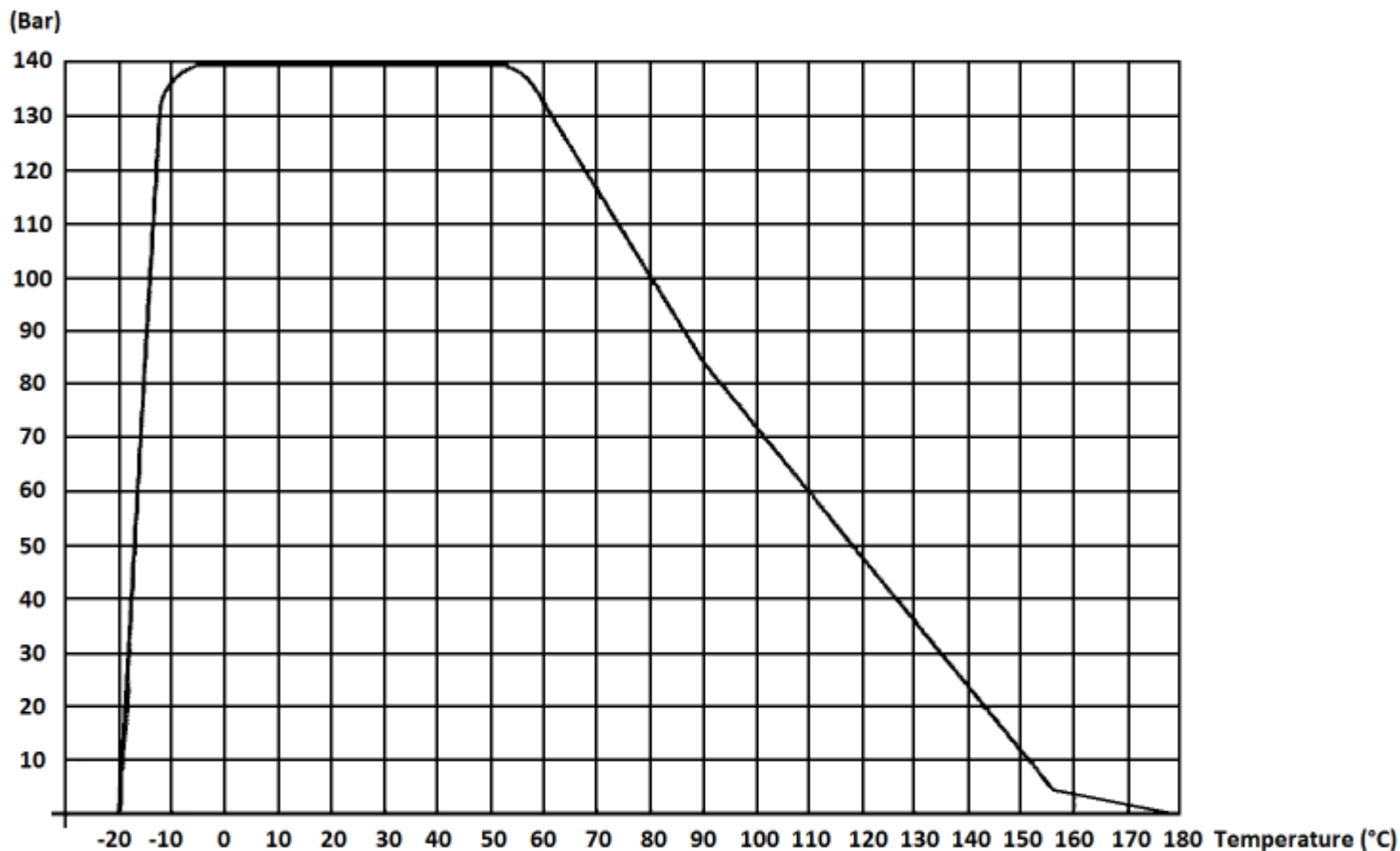
- Full bore
- Anti blow-out stem
- Ends 100 mm But Welding schedule 80 , or socket welding or straight welding
- Class 800
- Fire safe according to BS 6755 part.2
- ATEX
- Antistatic device
- 2 pieces type
- Galvanization treatment of zinc anti-corrosion coating, 8μ thickness
- NACE MR01-75
- Roughness Ra 0.4 for the ball, Ra 1.6 for the ends

USE :

- Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air
- Min and max Temperature Ts : - 20°C to + 180°C
- Max Pressure Ps : 136 bars
- Steam : 5 bars maximum

PRESSURE / TEMPERATURE GRAPH :

PRESSURE



2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

TORQUES VALUES (in Nm without safety coefficient) :

DN (mm)	8	10	15	20	25	32	40	50
NPS (")	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Torque (Nm)	12	12	12	12	25	64	78	103

RANGE :



- Ball valve class 800 forged ASTM A105N body and welding ends **Ref. 718 / 7181 / 7182** from DN 8 to DN 50

- Stainless steel 304 with red cover handle

DN	8-10	15	20-25	32-40	50
Ref.	9830320	9830316	9830317	9830318	9830321

- Ball valve class 800 forged ASTM A105N with locking device **Ref. 718L** from DN8 to DN50



DN (mm)	8	10	15	20	25	32	40	50
NPS (")	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ref. BW	718L008	718L010	718L015	718L020	718L025	718L032	718L040	718L050
Ref. SW	718L208	718L210	718L215	718L220	718L225	718L232	718L240	718L250

- Galvanized steel handwheel

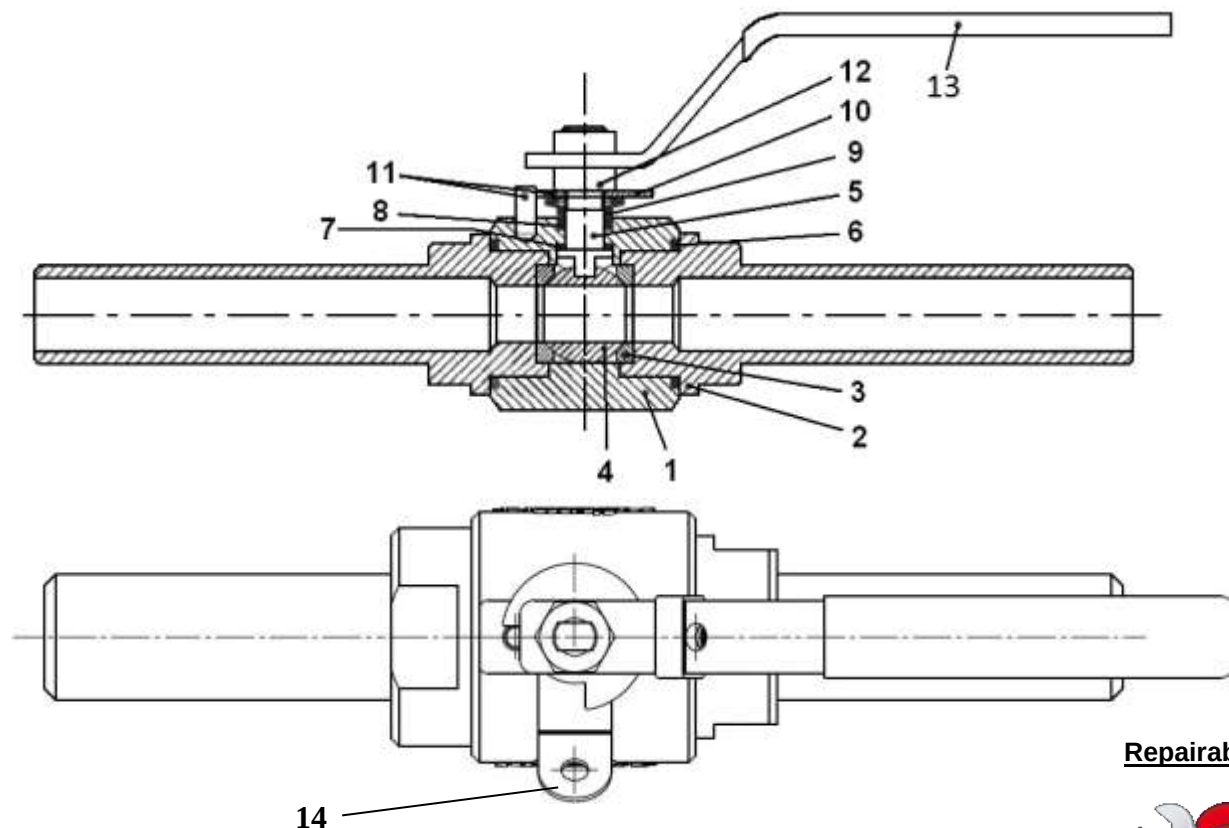
DN	8-10	15	20-25	32-40	50
Ref.	9830571	9830572	9830573	9830574	

CONNECTION :

- Butt Welding ends schedule 80 **Ref. 718 or 718L0**
- Straight welding ends **Ref. 7181** (on request)
- Socket Welding ends **Ref. 7182 or 718L2** (on request)

2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

MATERIALS BUTT WELDING ENDS TYPES 718 :



Repairability :



*included in gaskets kit

+for 718L types only

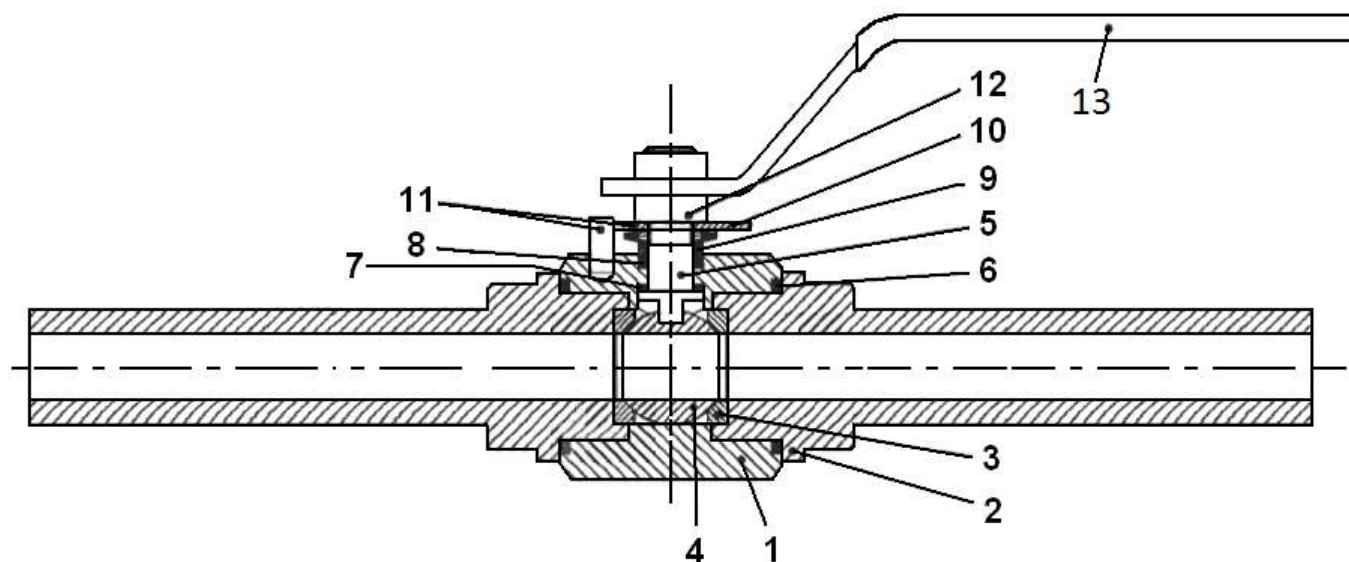
Item	Designation	Materials
1	Body	ASTM A105N
2	Ends	
3*	Seat	PTFE filled with 25% carbon
4	Ball	ASTM A479 316/316L
5	Stem	
6*	Body gasket	PTFE filled with 25% carbon
7*	Thrust washer	
8*	Packing	
9	Packing gland	ASTM A105N
10	Disc springs	Galvanized steel
11	Stop	
12	Nut	
13	Handle	
14+	Locking device	

***Gaskets kit
(Items 3, 6, 7 and 8)**

DN	Ref.
DN8	9804361
DN10	9804362
DN15	9804363
DN20	9804364
DN25	9804365
DN32	9804366
DN40	9804367
DN50	9804368

2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

MATERIALS STRAIGHT WELDING ENDS TYPES 7181 :



Repairability :



*included in gaskets kit

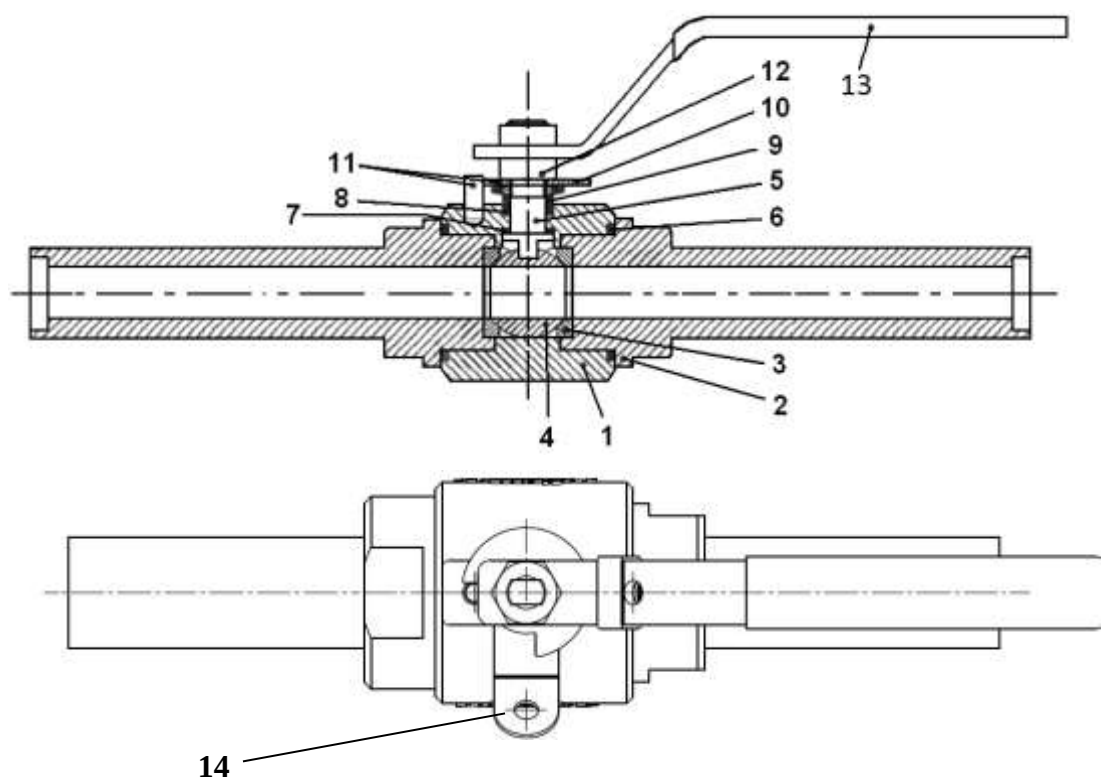
Item	Designation	Materials
1	Body	ASTM A105N
2	Ends	
3*	Seat	PTFE filled with 25% carbon
4	Ball	ASTM A479 316/316L
5	Stem	
6*	Body gasket	PTFE filled with 25% carbon
7*	Thrust washer	
8*	Packing	
9	Packing gland	ASTM A105N
10	Disc springs	Galvanized steel
11	Stop	
12	Nut	
13	Handle	

***Gaskets kit
(Items 3, 6, 7 and 8)**

DN	Ref.
DN8	9804361
DN10	9804362
DN15	9804363
DN20	9804364
DN25	9804365
DN32	9804366
DN40	9804367
DN50	9804368

2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

MATERIALS SOCKET WELDING ENDS TYPES. 7182 :



Repairability :



***included in gaskets kit**

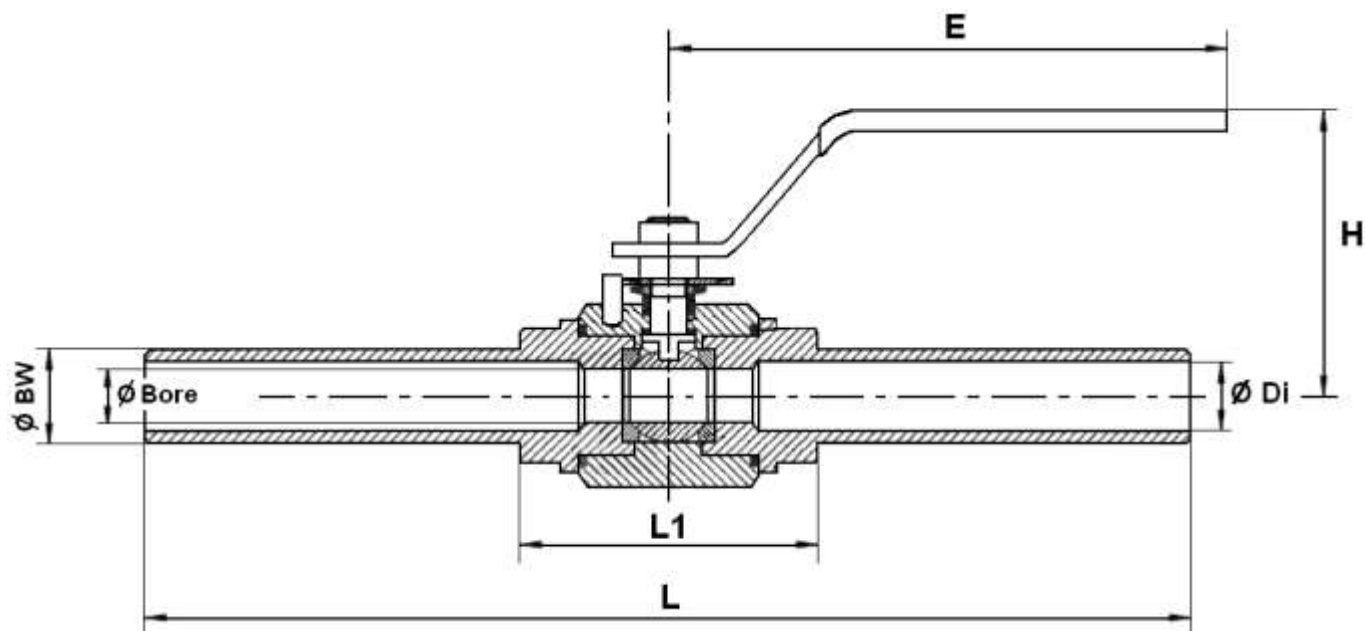
Item	Designation	Materials
1	Body	ASTM A105N
2	Ends	
3*	Seat	PTFE filled with 25% carbon
4	Ball	ASTM A479 316/316L
5	Stem	
6*	Body gasket	PTFE filled with 25% carbon
7*	Thrust washer	
8*	Packing	
9	Packing gland	ASTM A105N
10	Disc springs	Galvanized steel
11	Stop	
12	Nut	
13	Handle	
14+	Locking device	

+for 718L types only

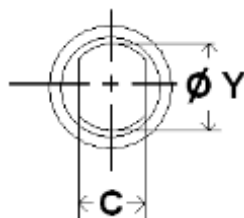
*Gaskets kit (Items 3, 6, 7 and 8)	
DN	Ref.
DN8	9804361
DN10	9804362
DN15	9804363
DN20	9804364
DN25	9804365
DN32	9804366
DN40	9804367
DN50	9804368

2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

SIZE BUTT WELDING ENDS TYPES 718 (in mm) :



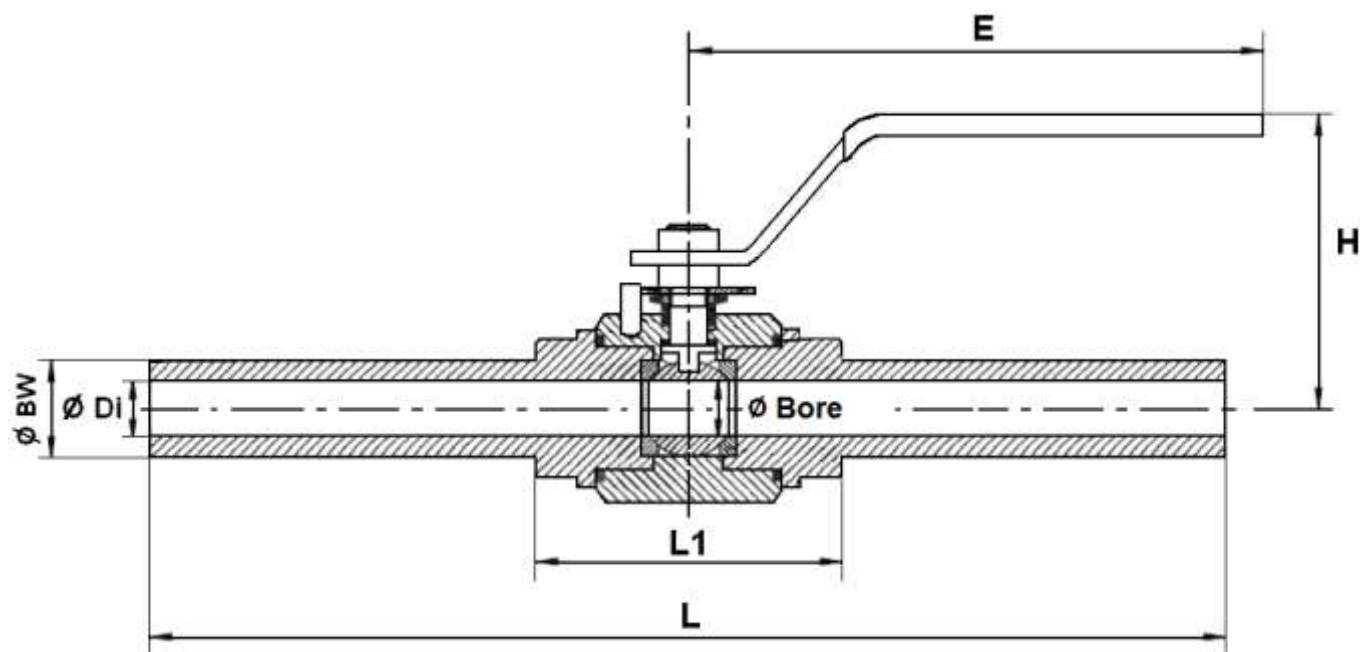
Stem size :



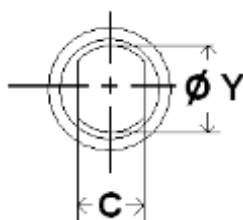
DN	8	10	15	20	25	32	40	50
Ø Bore	10	10	15	20	25	30	38	48
L	267	267	275	290	310	320	335	355
L1	67	67	75	90	105	120	135	155
E	148	148	148	180	180	240	240	280
H	72	72	75	85	95	100	105	115
Ø BW	13.5	17.2	21.3	26.7	33.4	42.2	48.3	60.3
Ø Di	7.7	10.8	13.9	18.8	24.3	32.5	38.1	49.2
C	5	5	5.5	7.5	7.5	9	9	9
Ø Y	8	8	10	12	12	14	14	14
Weight (in Kg)	0.6	0.6	1	2	4	5.5	7	9
Ref.	718008	718010	718015	718020	718025	718032	718040	718050
Ref. locking types	718L008	718L010	718L015	718L020	718L025	718L032	718L040	718L050

2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

SIZE STRAIGHT WELDING ENDS TYPES 7181 (in mm) :



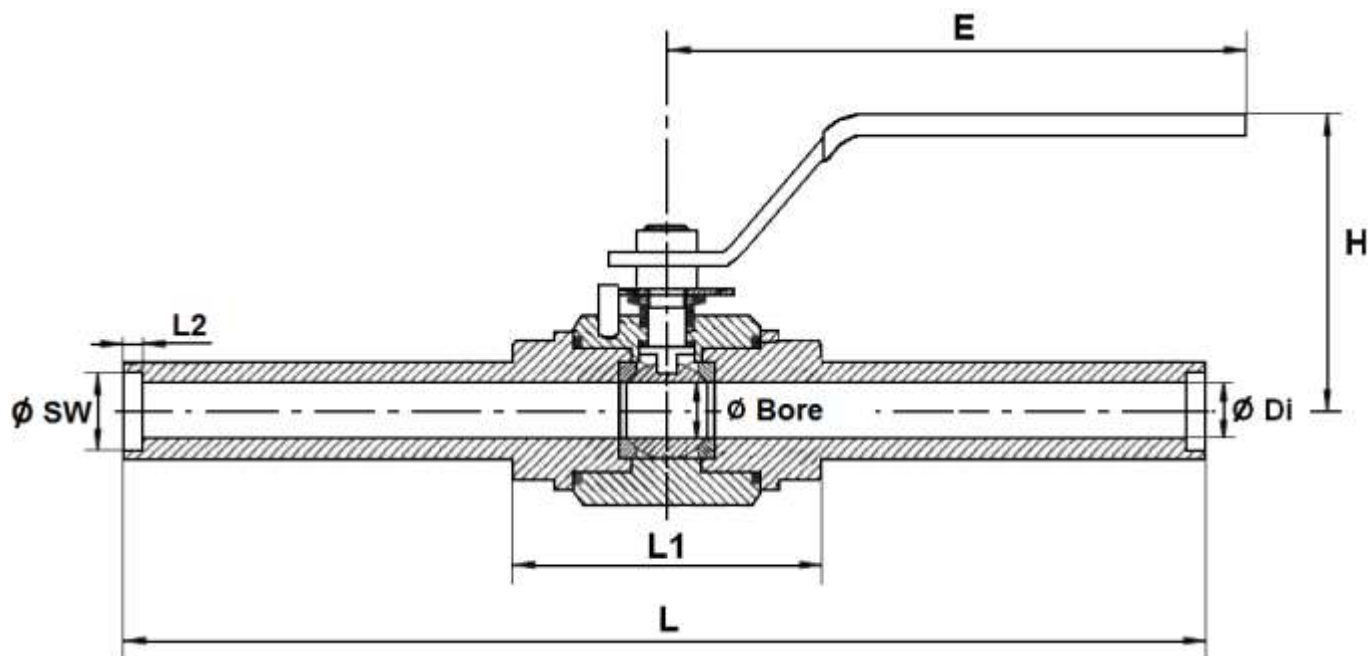
Stem size :



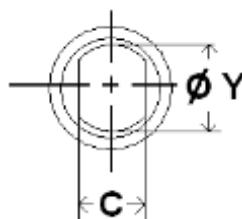
DN	8	10	15	20	25	32	40	50
Ø Bore	10	10	15	20	25	30	38	48
L	267	267	275	290	310	320	335	355
L1	67	67	75	90	105	120	135	155
E	148	148	148	180	180	240	240	280
H	72	72	75	85	95	100	105	115
Ø BW	13.5	17.2	21.3	26.7	33.4	42.2	48.3	60.3
Ø Di	7.7	10.8	13.9	18.8	24.3	32.5	38.1	49.2
C	5	5	5.5	7.5	7.5	9	9	9
Ø Y	8	8	10	12	12	14	14	14
Weight (in Kg)	0.6	0.6	1	2	4	5.5	7	9
Ref.	718108	718110	718115	718120	718125	718132	718140	718150

2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

SIZE SOCKET WELDING ENDS TYPES 7182 (in mm) :



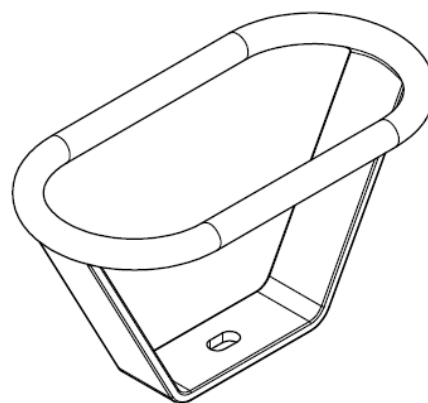
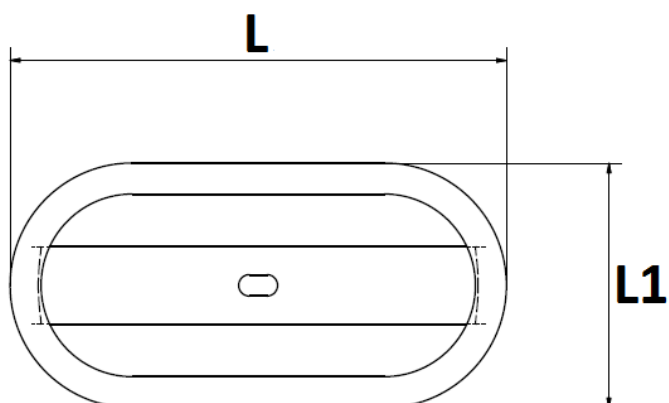
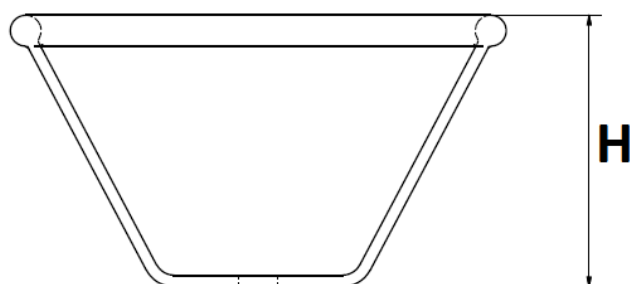
Stem size :



DN	8	10	15	20	25	32	40	50
Ø Bore	10	10	15	20	25	30	38	48
L	267	267	275	290	310	320	335	355
L1	67	67	75	90	105	120	135	155
E	148	148	148	180	180	240	240	280
H	72	72	75	85	95	100	105	115
Ø SW	14.3	17.8	21.8	27.3	34	42.6	48.7	61.3
L2	9.5	9.5	9.5	11.5	13	14	16	17
Ø Di	7.7	10.8	13.9	18.8	24.3	32.5	38.1	49.2
C	5	5	5.5	7.5	7.5	9	9	9
Ø Y	8	8	10	12	12	14	14	14
Weight (in Kg)	0.6	0.6	1	2	4	5.5	7	9
Ref.	718208	718210	718215	718220	718225	718232	718240	718250
Ref. locking types	718L208	718L210	718L215	718L220	718L225	718L232	718L240	718L250

2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

HANDWHEEL SIZE (in mm) :



DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
H	77	70	70	69	64	77	80	80
L	130	128	133	133	130	210	205	205
L1	68	63	68	77	82	87	105	105
Ref.	9830571	9830571	9830572	9830573	9830573	9830574	9830574	9830574
Weight (in Kg)	0.300	0.300	0.380	0.420	0.420	0.460	0.460	0.460

2 PIECES A105N BALL VALVE WITH WELDING ENDS CLASS 800

STANDARDS :

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
 - DN8-DN25 : Article 4, §3 (SEP), no CE marking
 - DN32-DN50 : Risk category II, CE0948 marking
- Certificate 3.1 on request
- Designing according to ISO 17292, BS 5351 and API 608
- Pressure tests according to API 598, table 6
- Butt Welding ends according to ANSI B16.25
- Fire safe according to B.S. 6755 part.2
- Materials according to NACE MR 01-75
- ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 & 22 (optional marking)

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.