REF. 718-719

2 PIECES BALL VALVE WITH WELDING ENDS CLASS 800

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Size :	DN 8 to DN 50
Ends :	Butt Welding, Socket welding or straight welding
Min Temperature :	- 30°C in stainless steel and -20°C in carbon steel
Max Temperature :	+ 180°C
Max Pressure :	138 Bars (Class 800)
Specifications :	Anti blow-out stem Fire safe Full bore
Materials :	Carbon steel or Stainless steel

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VALVES & FITTINGS

REF. 718-719

2 PIECES 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 (for ref.718)

USE :

Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air
Min and max Temperature Ts : - 30°C to + 180°C in stainless steel Ref.719
Min and max Temperature Ts : - 20°C to + 180°C in carbon steel Ref.718
Max Pressure Ps : 138 bars
Steam : 10 bars maximum

RANGE :

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

Ball valve class 800 forged ASTM A182 F316L body and weld. ends **Ref. 719 / 7191 / 7192** from DN 8 to DN 50

Stainless steel 304 with red cover handle **Ref. 9830316-9830318**

Locking device **Ref. 9830301-9830315**

Galvanized steel handwheel **Ref.9830571-9830574**

ENDS :

Butt Welding ends schedule 80 **Ref. 718 et 719**

Straight welding ends **Ref. 7181 et 7191** (on request)

Socket Welding ends **Ref. 7182 et 7192** (on request)

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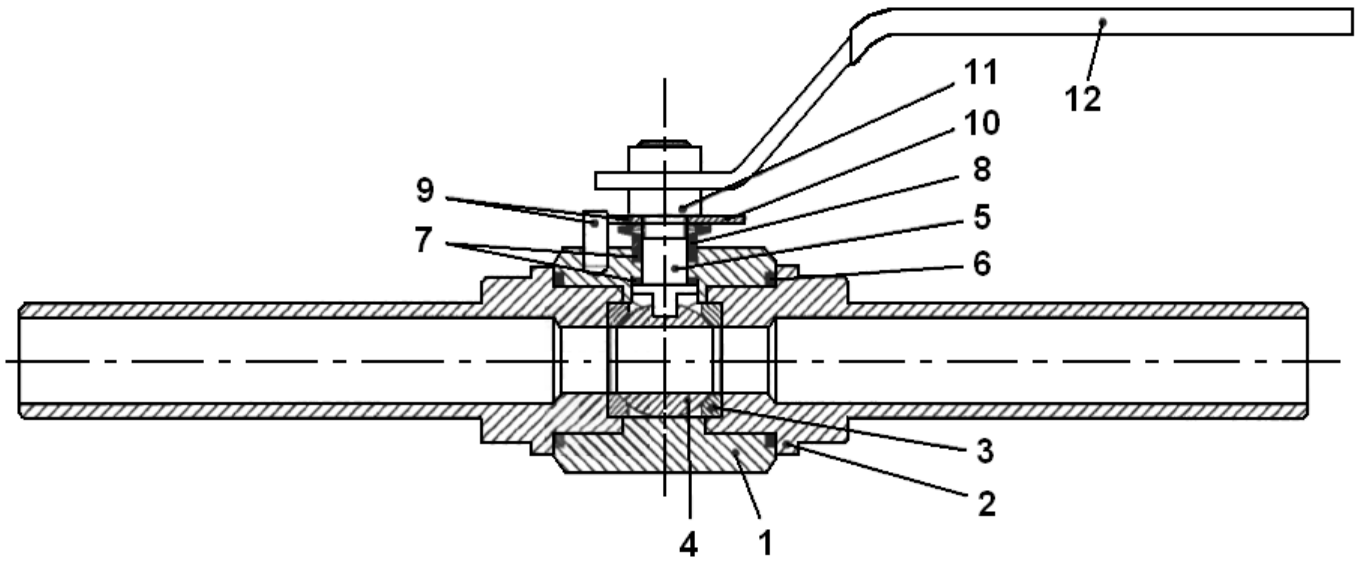
VALVES & FITTINGS

REF. 718-719

2 PIECES BALL VALVE WITH WELDING ENDS CLASS 800

MATERIALS BUTT WELDING ENDS TYPES 718-719 :



Item	Designation	Materials 718	Materials 719
1	Body	ASTM A105N	ASTM A182 F316L
2	Ends	ASTM A105N	ASTM A182 F316L
3	Seat	PTFE + carbongraphite	
4	Ball	ASTM A182 F316L	
5	Stem	ASTM A182 F316L	
6	Body gasket	Carbongraphite	
7	Stem gasket	Carbongraphite	
8	Packing gland	ASTM A105	SS 304
9	Stop	FE P11 (UNI 5867)	
10	Disc springs	Steel	
11	Nut	Steel 6S	
12	Handle	FE P11 (UNI 5867)	

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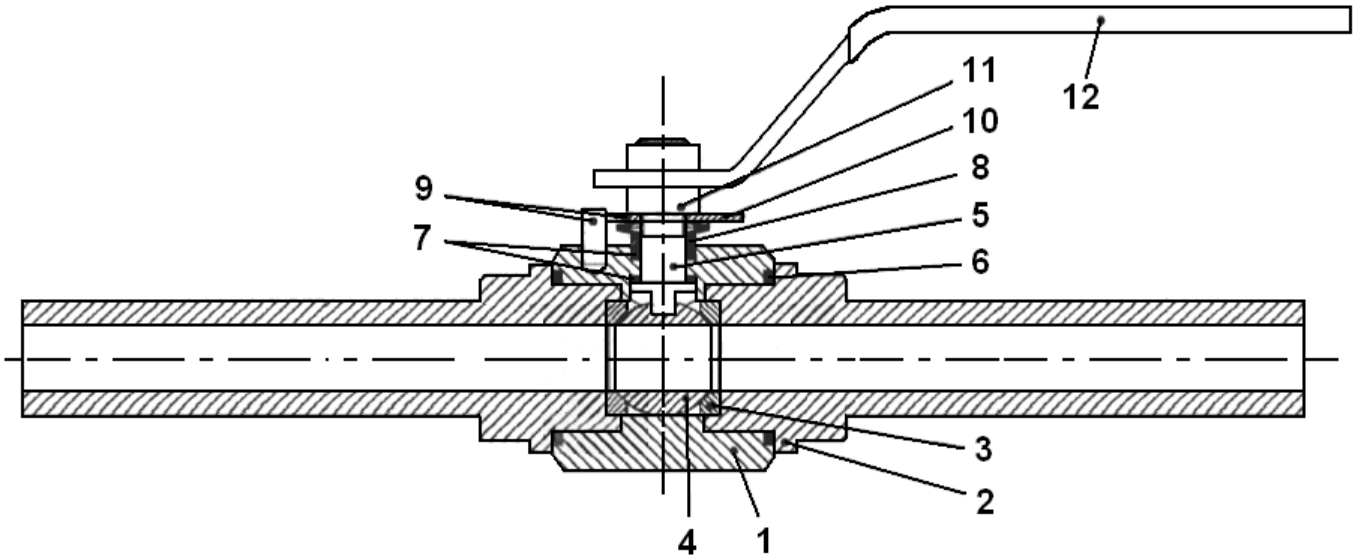
VALVES & FITTINGS

REF. 718-719

2 PIECES BALL VALVE WITH WELDING ENDS CLASS 800

MATERIALS STRAIGHT WELDING ENDS TYPES 7181-7191:



Item	Designation	Materials 7181	Materials 7191
1	Body	ASTM A105N	ASTM A182 F316L
2	Ends	ASTM A105N	ASTM A182 F316L
3	Seat	PTFE + carbongraphite	
4	Ball	ASTM A182 F316L	
5	Stem	ASTM A182 F316L	
6	Body gasket	Carbongraphite	
7	Stem gasket	Carbongraphite	
8	Packing gland	ASTM A105	SS 304
9	Stop	FE P11 (UNI 5867)	
10	Disc springs	Steel	
11	Nut	Steel 6S	
12	Handle	FE P11 (UNI 5867)	

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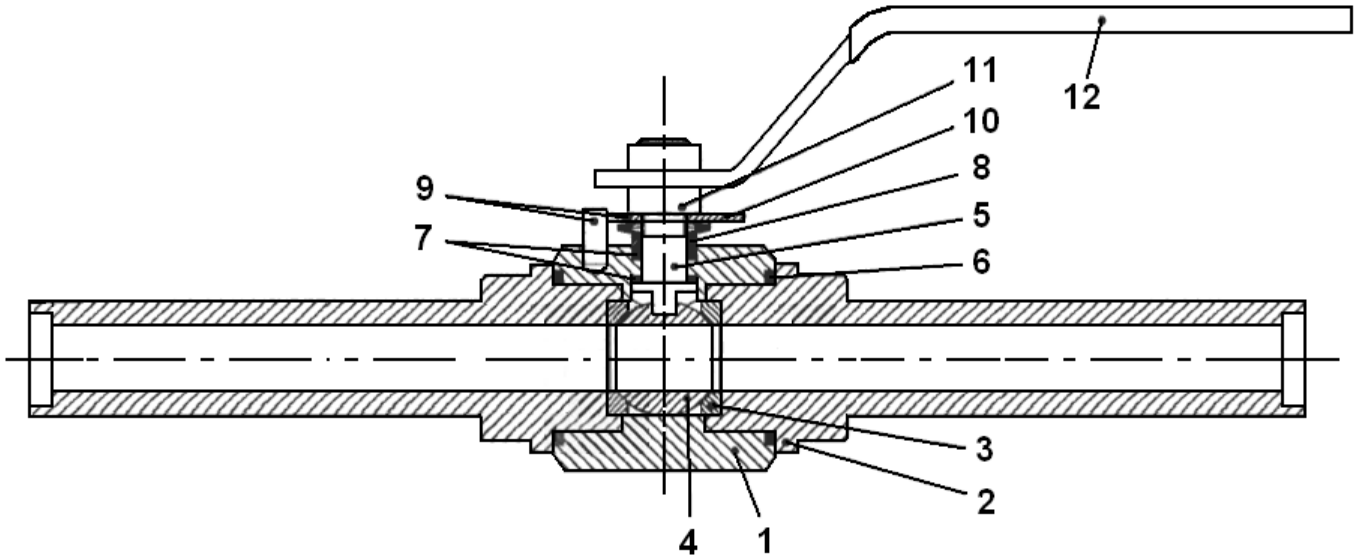
VALVES & FITTINGS

REF. 718-719

2 PIECES BALL VALVE WITH WELDING ENDS CLASS 800

MATERIALS SOCKET WELDING ENDS TYPES. 7182-7192 :



Item	Designation	Materials 7182	Materials 7192
1	Body	ASTM A105N	ASTM A182 F316L
2	Ends	ASTM A105N	ASTM A182 F316L
3	Seat	PTFE + carbongraphite	
4	Ball	ASTM A182 F316L	
5	Stem	ASTM A182 F316L	
6	Body gasket	Carbongraphite	
7	Stem gasket	Carbongraphite	
8	Packing gland	ASTM A105	SS 304
9	Stop	FE P11 (UNI 5867)	
10	Disc springs	Steel	
11	Nut	Steel 6S	
12	Handle	FE P11 (UNI 5867)	

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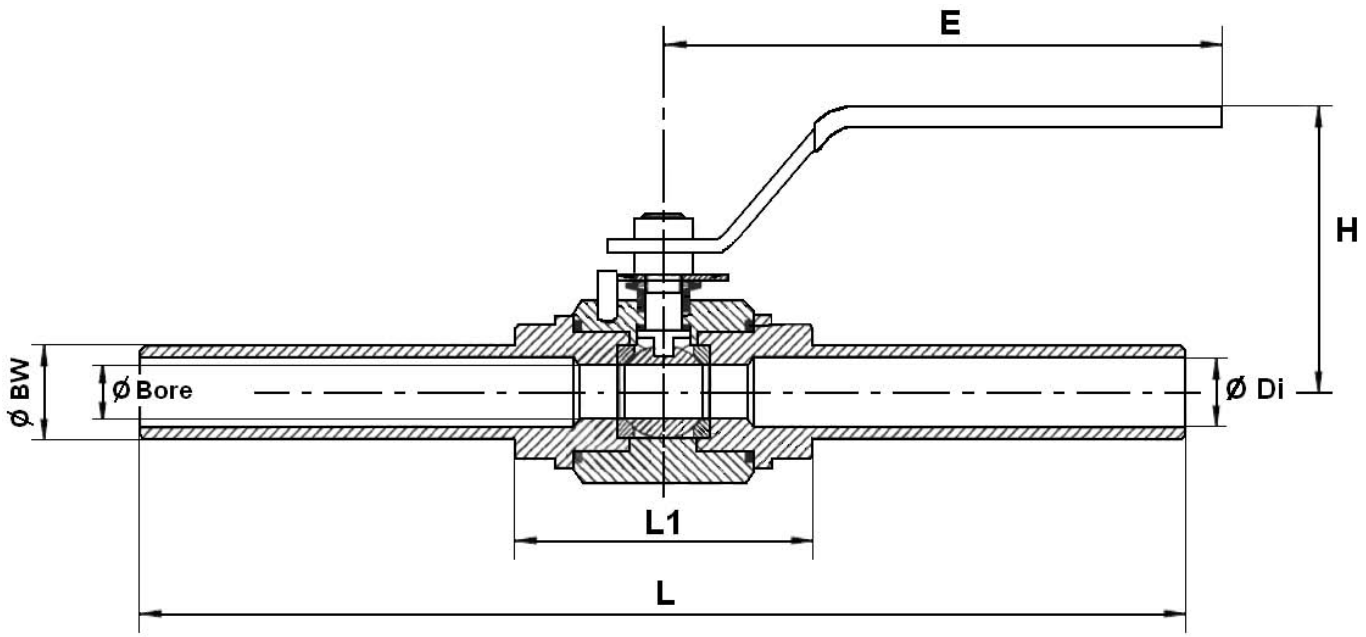
VALVES & FITTINGS

REF. 718-719

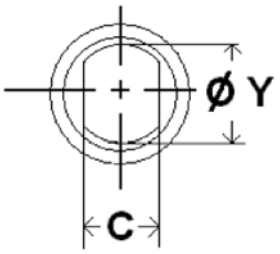
2 PIECES BALL VALVE WITH WELDING ENDS CLASS 800

SIZE BUTT WELDING ENDS TYPES 718-719 (in mm) :



Ref.	DN	8	10	15	20	25	32	40	50
718 / 719	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 (Kg)	0.6	0.6	1	2	4	5.5	7	9

Stem size :



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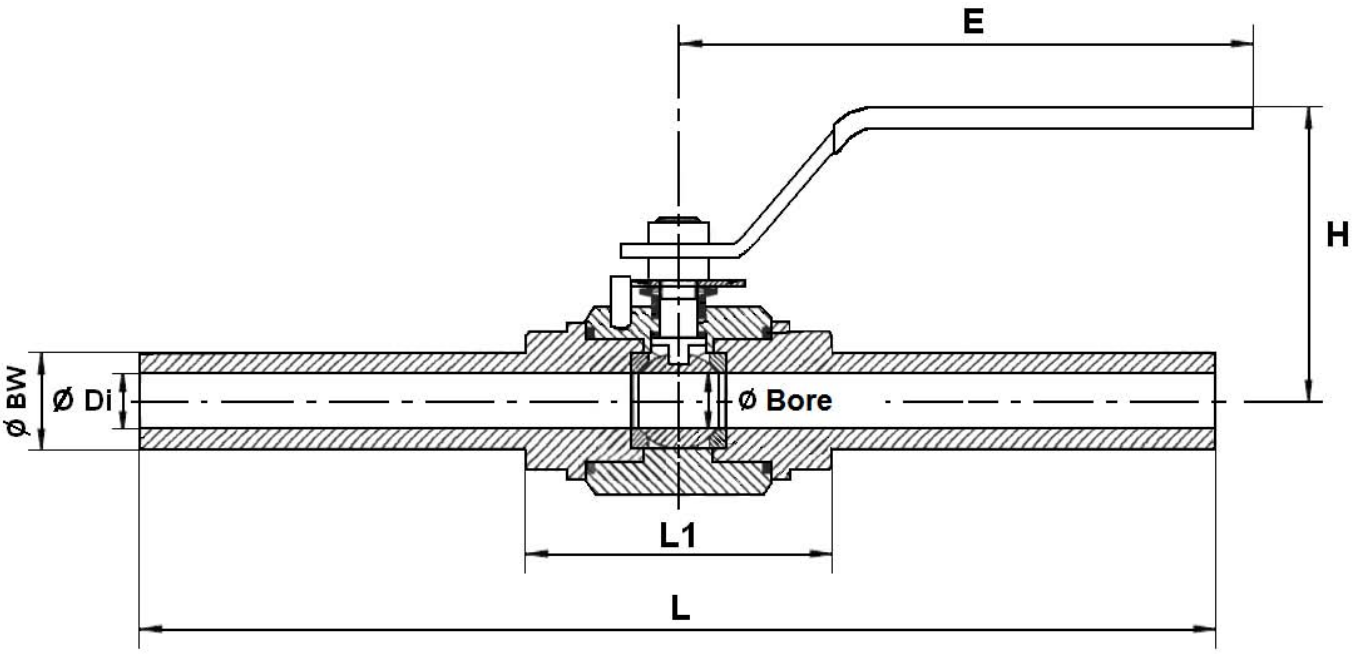
REF. 718-719

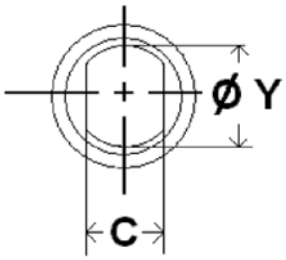
2 PIECES BALL VALVE WITH WELDING ENDS CLASS 800

SIZE STRAIGHT WELDING ENDS TYPES 7181-7191 (in mm) :



Ref.	DN	8	10	15	20	25	32	40	50
7181/7191	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

Stem size :



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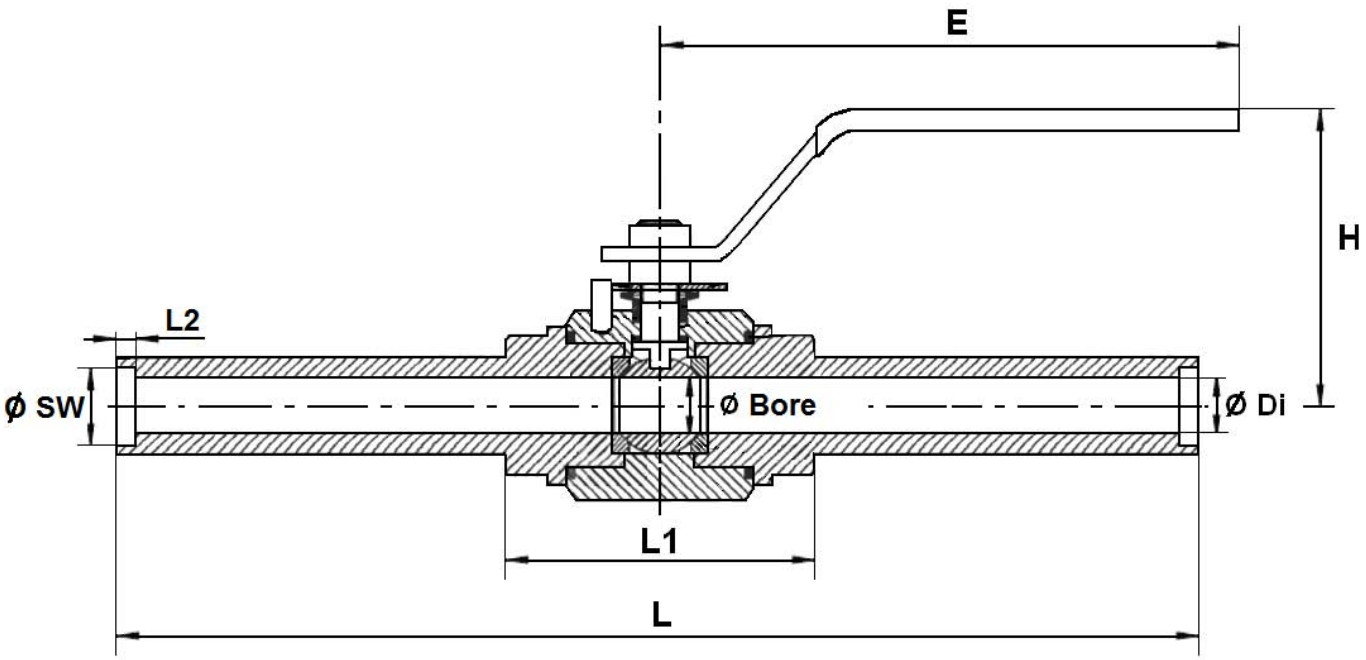
REF. 718-719

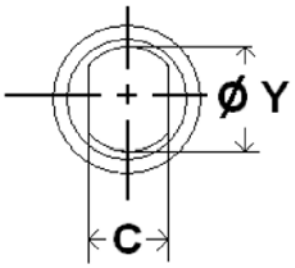
2 PIECES BALL VALVE WITH WELDING ENDS CLASS 800

SIZE SOCKET WELDING ENDS TYPES 7182-7192 (in mm) :



Ref.	DN	8	10	15	20	25	32	40	50
7182/7192	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

Stem size :



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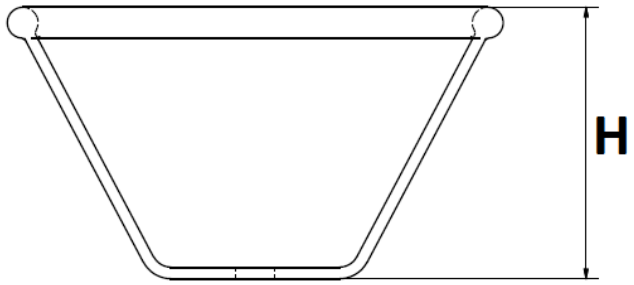
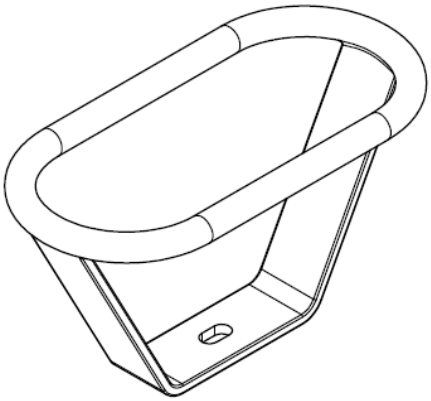
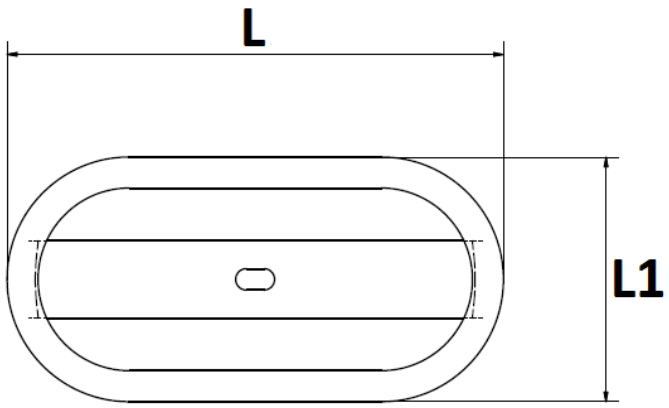
2 PIECES BALL VALVE WITH WELDING ENDS CLASS 800

HANDWHEEL SIZE (in mm) :







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

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2 PIECES BALL VALVE WITH WELDING ENDS CLASS 800

STANDARDS :

Fabrication according to ISO 9001 : 2008

DIRECTIVE 97/23/CE : CE N° 0948
Risk category III Module B+C1

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.

INSTALLATION AND MAINTENANCE

BEFORE INSTALLATION :

Pipe-line must be cleaned and free from residual of weldings,rubbish,shaving and every kind of extraneous materials.
Pipe-line must be perfectly aligned and their support properly dimensioned so that there's no external constraint.

Please use the right product according to the services conditions to seal the valve.
Use the right bolt tightening so that the ends won't be damaged.

CLEANING AND TESTS

Keep closed the valves during the cleaning operation so that there's no impurities between the ball and the body.

Tests under pressure must be done with a cleaned pipe-line.

Open partially the valve for tests. Pressure test do not exceed the valve specifications according to API 598.

MAITENANCE

It's recommended to operate the valve (open and close) 1 to 2 times per year.

When intervention on the valve, be sure there's no pressure in the pipe-line, there's no fluid in it,and that it is isolated.
The temperature must be low enough to operate without risks.
If there's a corrosive fluid,inert installation before intervention.