REF. 505

CAST IRON BALL VALVE PN16 LENGTH NF 29323

CE

Size :	DN 40 to DN 150
Ends :	PN10/16 flanges
Min Temperature :	-10°C
Max Temperature :	+ 200°C
Max Pressure :	16 Bars
Specifications :	Full bore Stainless steel ball ISO 5211 mounting pad
Materials :	Cast iron EN GJL-250

REF. 505

CAST IRON BALL VALVE PN16 LENGTH NF 29323

SPECIFICATIONS :

- Full bore
- Anti blow-out stem
- PTFE packing and stem O ring in FKM
- ISO 5211 mounting pad
- PN10/16 flanges R.F. (according to DN, flanges holes are threaded or not)
- Hollow stainless steel ball
- Black painting colour RAL 9004 , 5-15 microns thickness

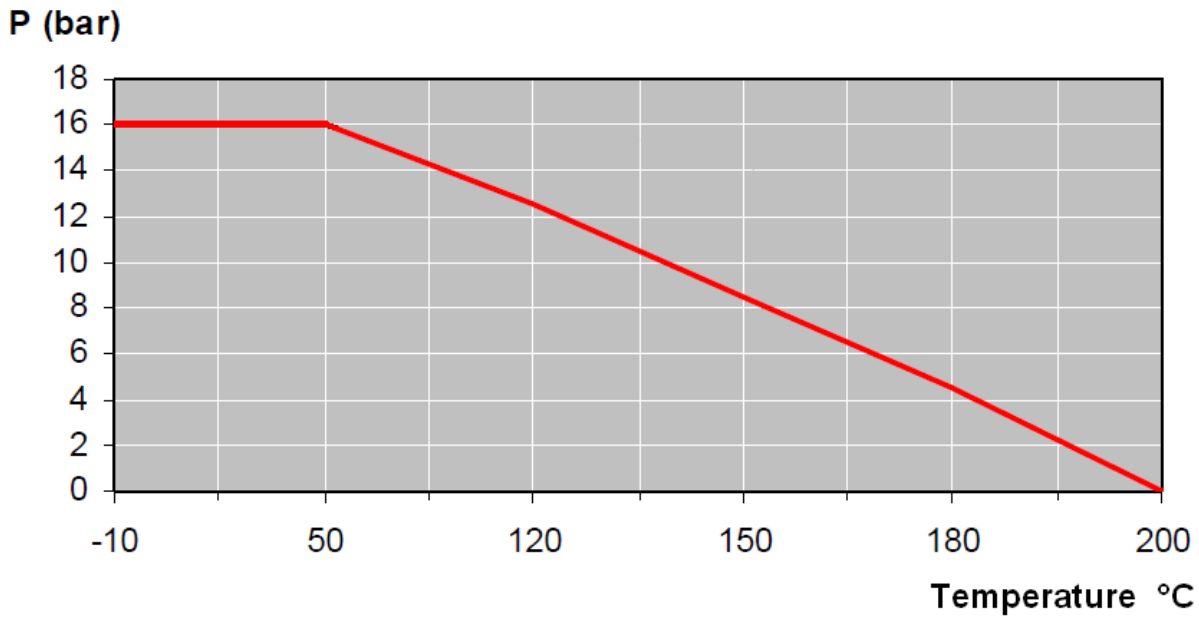
USE :

- For all common fluids
- Min and max Temperature Ts : - 10°C to + 200°C
- Max Pressure Ps : 16 bars
- **Do not use with steam**
- **Do not use with compressed air**

RANGE :

- Cast iron PN10/16 flanges R.F. with stainless steel ball from DN40 to DN150 **Ref. 505**

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :



FLOW COEFFICIENT Kvs (in M3/H) :

DN	40	50	65	80	100	125	150
Kvs (M3 / H)	223	416	660	1200	1980	3600	5040

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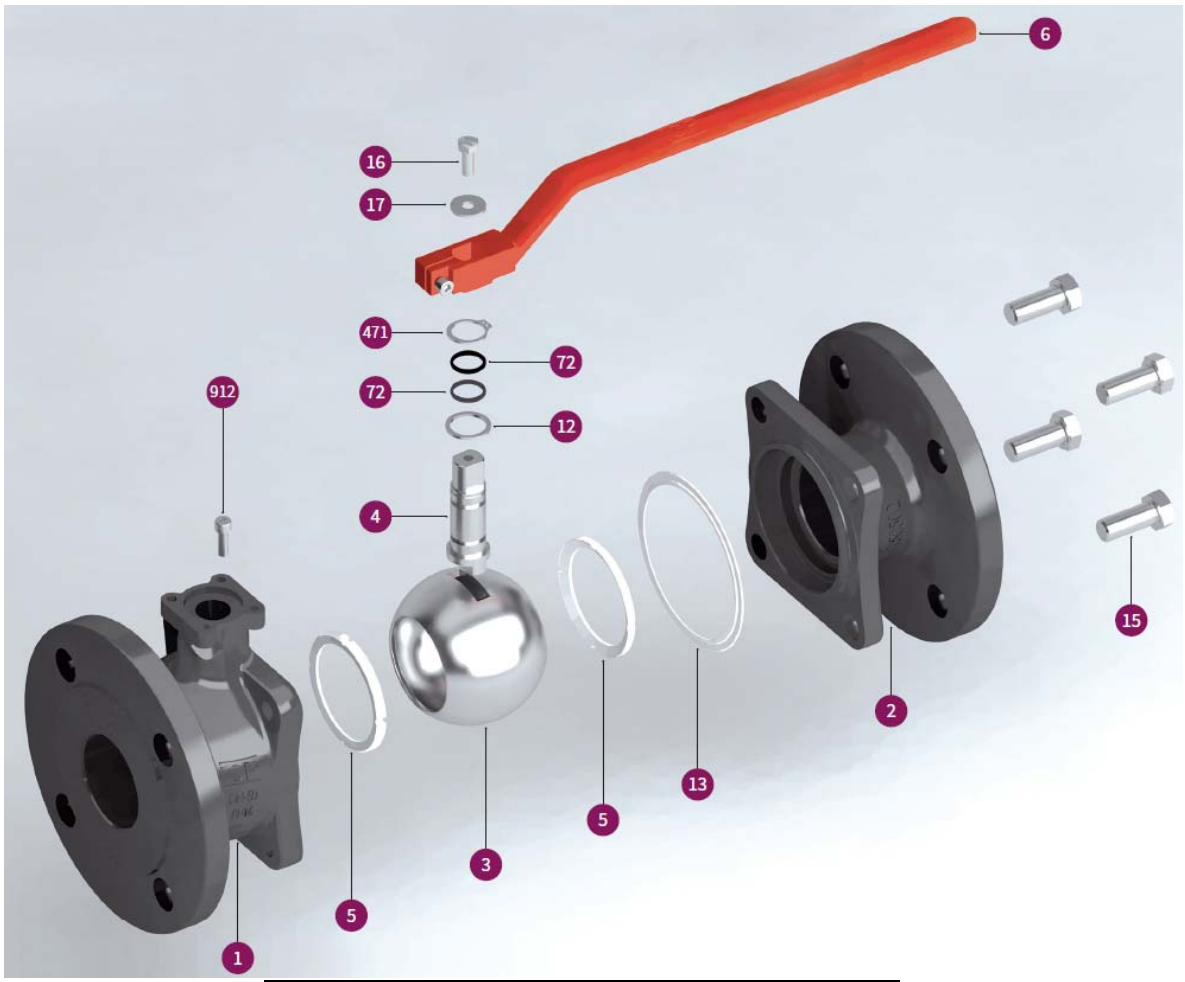
MATERIALS :



Item	Designation	Materials
1	Body	Cast iron EN GJL-250
2	Ends	Cast iron EN GJL-250
3	Ball	SS 304
4	Stem	SS 304
5	Seat	PTFE
6	Handle	Steel
12	Washer	PTFE
13	Body gasket	PTFE
15	Body Screw	Steel DIN 933 5.6
16	Handle screw	Steel DIN 933 5.6
17	Handle Washer	Steel
72	O ring	FKM
471	Cicrlip	Steel DIN 471
912	Stop screw	Steel DIN 912 8.8

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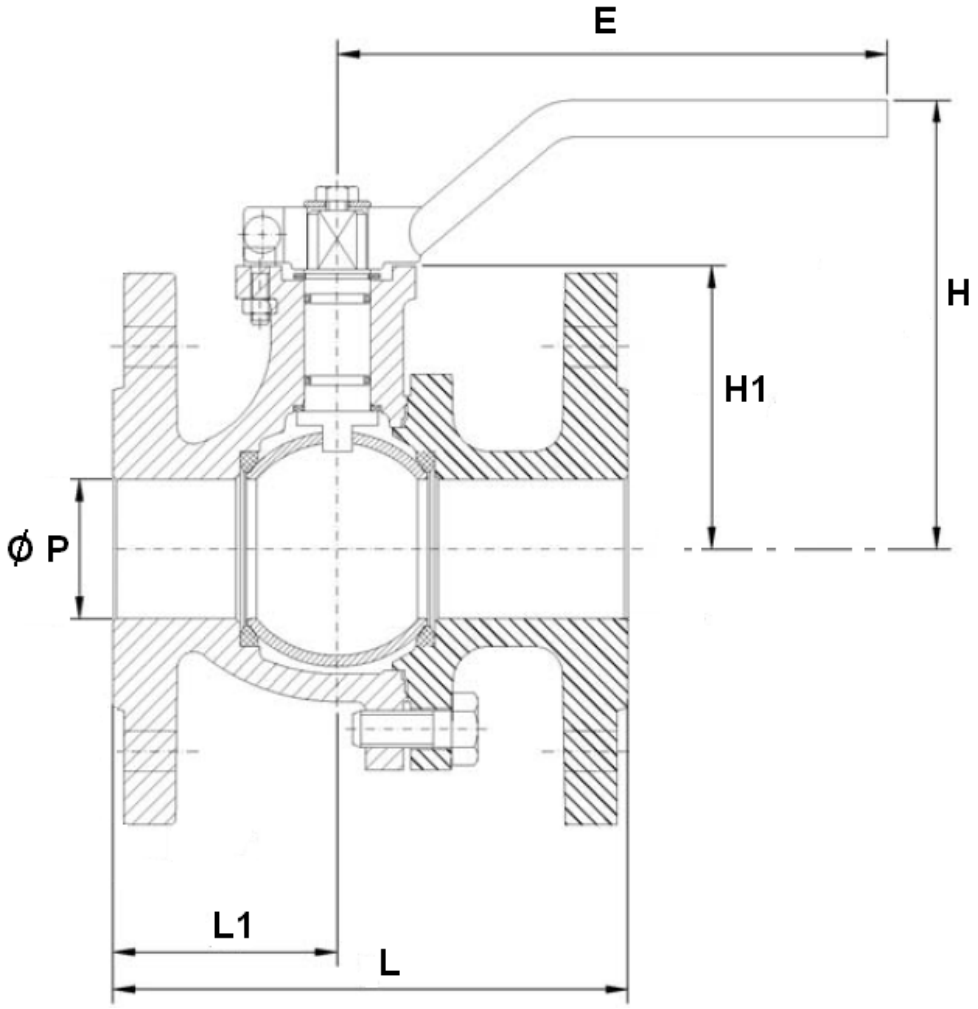
VALVE SIZE (in mm) :



Ref.	DN	40	50	65	80	100	125	150
505	Ø P	38	50	65	80	100	125	150
	L	136	142	154	160	172	186	200
	L1	57	62	81.5	79	94	93	100
	H	119	127	141	151.5	176.5	208	254.5
	H1	77	85	98	108.5	134	165	190
	E	302.5	302.5	335	335	350	350	500
	Weight (Kg)	6.5	8.5	10.5	14	19	28	45

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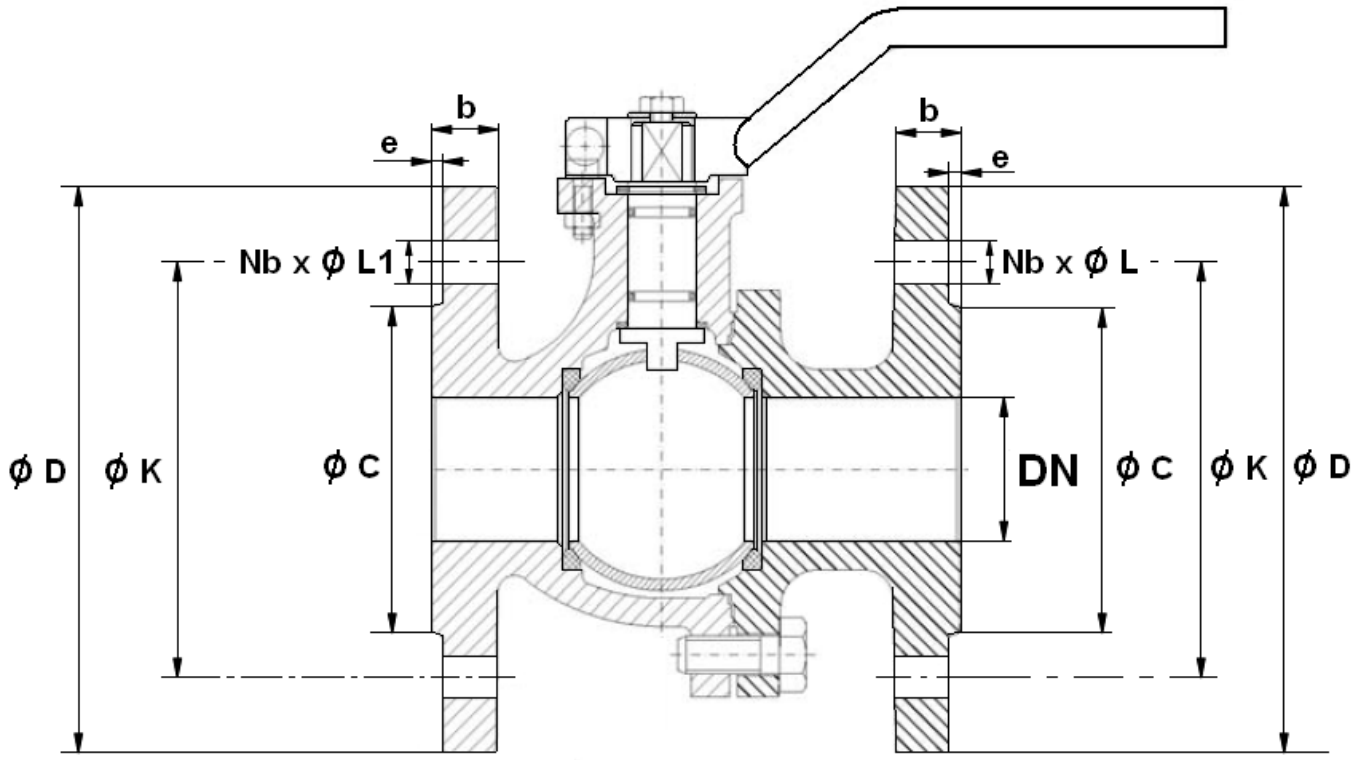
FLANGES SIZE (in mm) :



Ref.	DN	40	50	65	80	100	125	150
505	Ø C	88	102	122	138	158	188	212
	Ø D	150	165	185	200	220	250	285
	Ø K	110	125	145	160	180	210	240
	Nb x Ø L	4 x 18	4 x 18	4 x M16	8 x M16	8 x M16	8 x M16	8 x M20
	Nb x Ø L1	4 x 18	4 x 18	4 x 18	8 x 18	8 x 18	8 x M16	8 x M20
	b	16	18	18	20	20	22	22
	e	3	3	3	3	3	3	3

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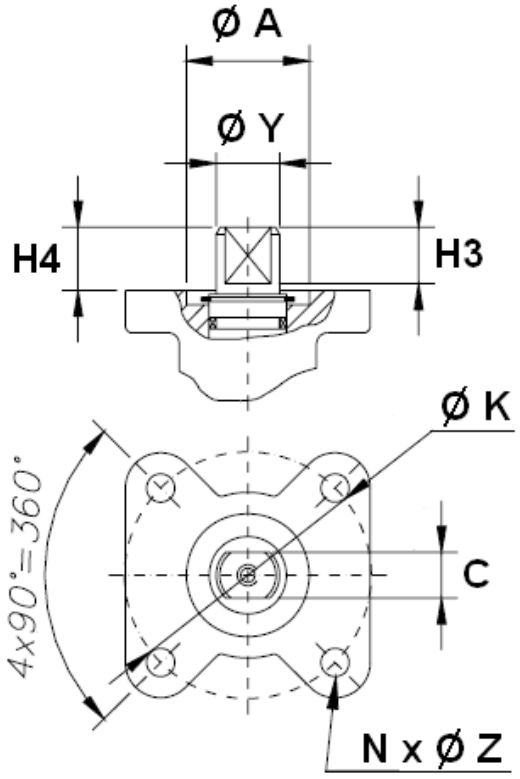
ISO MOUNTING PAD AND STEM SIZE (in mm) :



Ref.	DN	40	50	65	80	100	125	150
505	Ø K	42	42	70	70	70	70	102
	ISO	F04	F04	F07	F07	F07	F07	F10
	N x Ø Z	4 x 5	4 x 5	4 x 8	4 x 8	4 x 8	4 x 8	4 x 10
	C	12	12	13	13	16	16	20
	Ø Y	16	16	18	18	22	22	28
	H3	16	16	19	19	20	20	27
	H4	15	15	18	18	19	19.5	24.5
	Ø A	30	30	35	35	38	38	50

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TORQUE VALUES (in Nm without safety coefficient) :

DN	40	50	65	80	100	125	150
Torque (Nm)	26	41	41	71	119	190	220

STANDARDS :

- Fabrication according to ISO 9001 :2015
- DIRECTIVE 2014/68/EU : Risk Category I module A from DN65 to DN150
- Valve design according to DIN 3357
- Body design according to DIN 3840
- ISO 5211 mounting pad
- Length according to EN 558 series 29 (NF 29323)
- Flanges R.F according to EN 1092-2 PN10/16
- Marking according to EN 19
- Pressure test according to EN 12266-1, Rate A

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.

CAST IRON BALL VALVE PN16 LENGTH NF 29323

INSTALLATION INSTRUCTIONS

GENERAL GUIDELINES :

- Ensure that the valves to be used are appropriate for the conditions of the installation (type of fluid,pressure and temperature).
- Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriate equipment for maintenance and repair.
- Ensure that the valves to be installed are of correct strenght to be able to support the capacity of their usage.
- **Installation of all circuits should ensure that their function can be automatically tested on a regular basis (at least two times a year).**

INSTALLATION INSTRUCTIONS :

- **Before installing the valves,clean and remove any objects from the pipes** (in particular bits of sealing and metal) which could obstruct and block the valves.
- **Ensure that both connecting pipes either side of the valve (upstream and downstream) are aligned (if they're not,the valves may not work correctly).**
- **Make sure that the two sections of the pipe (upstream and downstream) match,the valve unit will not absorb any gaps.Any distortions in the pipes may affect the thightness of the connection,the working of the valve and can even cause a rupture.**To be sure,place the kit in position to ensure the assembling will work.
- **If sections of piping do not have their final support in place,they should be temporarily fixed.This is to avoid unnecessary strain on the valve.**
- Tighten the bolts in cross.
- It's recommended to operate the valve (open and close) 1 to 2 times per year