

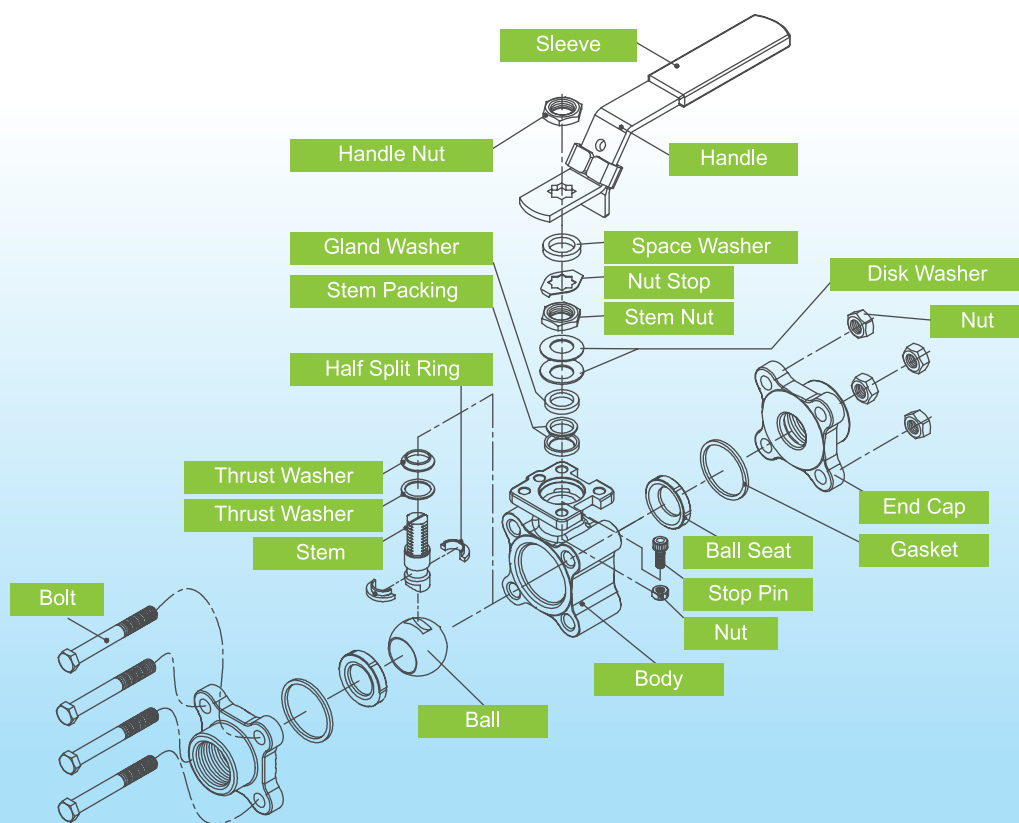
SPECIAL ALLOY
23H - 3 Piece High Pressure Ball Valve

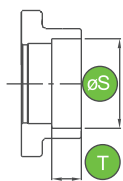
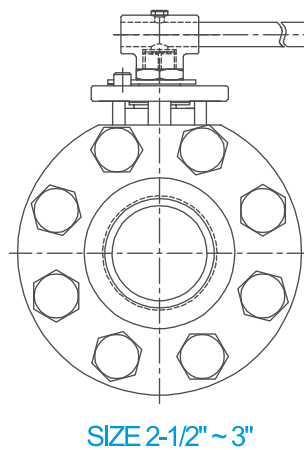
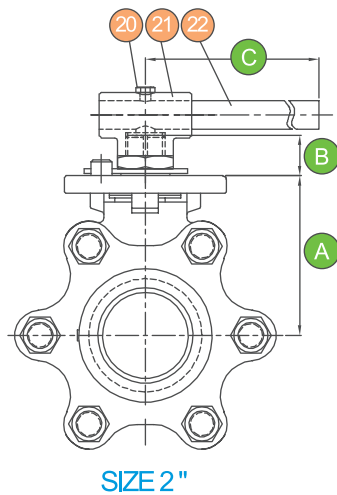
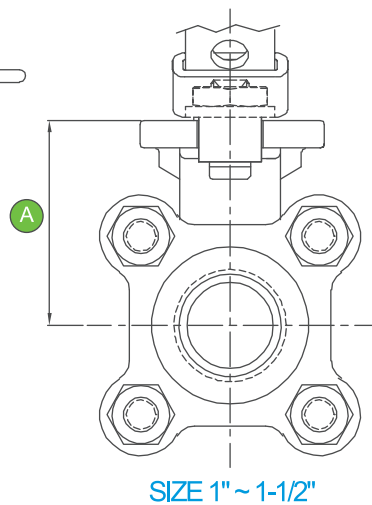
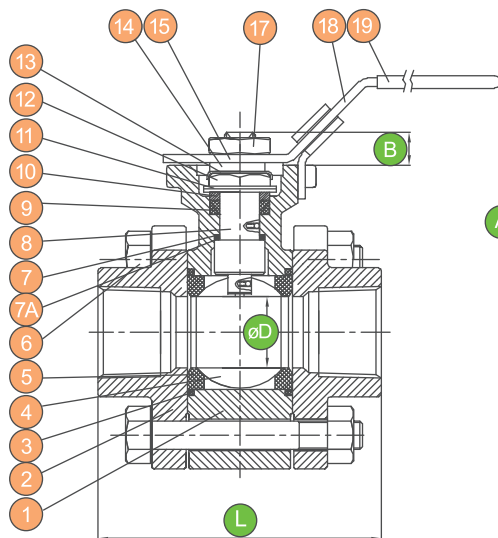
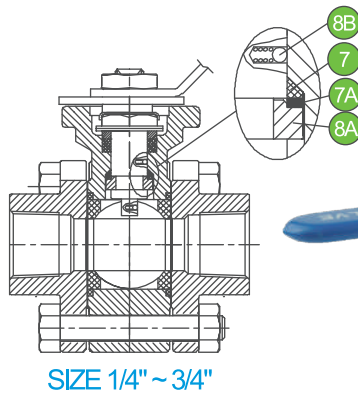
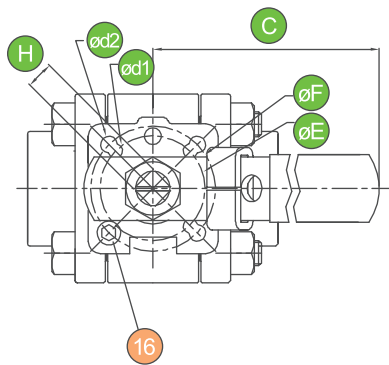
23H - 1/4" ~ 3"
Specification

Available Material	CF8M / WCB / 2205 / 2507 / Zeron100 / 904L / 254 SMO / Alloy 20 / Monel 400 / Hastelloy B / Hastelloy B-2 / Hastelloy C-276
Working Pressure	2000 PSI
Ball Bore	Full
End Connection	Threaded / Socket Weld / Butt Weld
Size Range	1/4" to 4"
ISO Mount	Direct

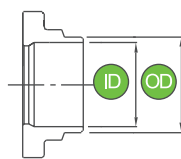
Additional Information

Packing Design	Adjustable
Stem Design	Blow-out proof
Operation	Handle / Actuator
Options	V ball, 30°, 60°, 90° / Automation / Metal seated design





SOCKET WELD



BUTT WELD

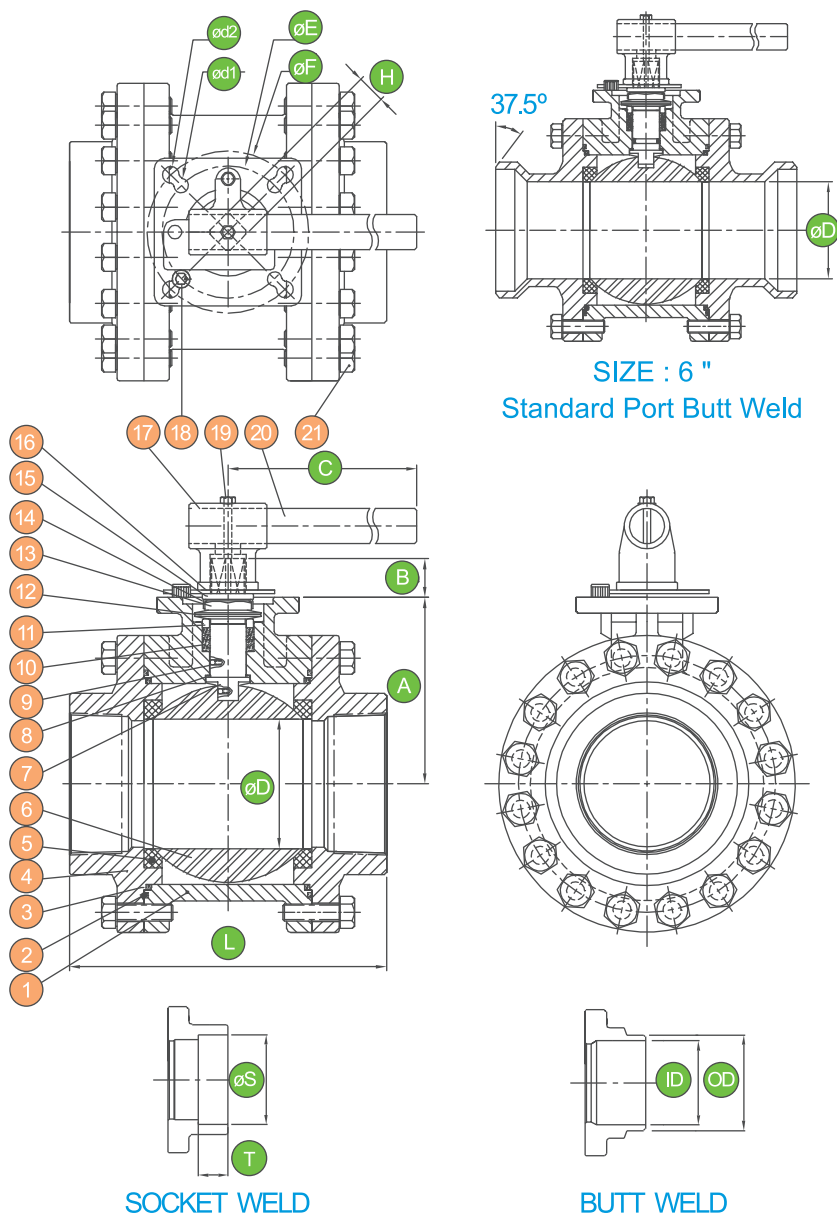
MATERIAL LIST

ITEM	PART NAME	MATERIALS
1	Body	CF8M
2	End Cap	CF8M
3	Gasket	TFM
4	Ball	SS 316
5	Ball Seat	TFM / DELRIN
6	Bolt	SS 304
7	Thrust Washer	TFM
7A	Thrust Washer	PEEK
8	Stem	SS 316
8A	Half Split Ring	SS 316
8B	Anti-Static	SS 316
9	Stem Packing	TFM
10	Gland Washer	SS 304
11	Disk Washer	SS 301
12	Stem Nut	SS 304
13	Nut Stop	SS 304
14	Space Washer	SS 304
15	Stopper Plate	SS 304
16	Stop Pin	SS 304
17	Handle Nut	SS 304
18	Handle	SS 304
19	Sleeve	Plastic
20	Set Bolt	SS 304
21	Lever Head	CF8
22	Lever	STEEL PIPE



DIMENSIONS(mm)

SIZE	A	B	C	D	d1	d2	E	F	H	L	SW		BW(40#)		BW(80#)	
											S	T	OD	ID	OD	ID
1/4"	46	9.5	130	11	6.0	6.0	36	42	9	66.5	14.2	11.1	14.0	9.2	14.0	7.5
3/8"	46	9.5	130	12.5	6.0	6.0	36	42	9	66.5	17.5	11.1	17.0	12.7	17.0	10.8
1/2"	48	9.5	130	15	6.0	6.0	36	42	9	70	21.8	12.7	21.3	15.9	21.3	13.8
3/4"	53	12	155	20	6.0	6.0	42	50	11	92	27.1	14.3	26.7	20.8	26.7	18.9
1"	59	12	155	25	6.0	7.0	42	50	11	105	33.8	15.9	33.3	26.6	33.3	24.3
1-1/4"	62	14.5	205	32	7.0	9.2	50	70	14	111	42.5	17.5	42.2	35.1	42.2	32.5
1-1/2"	70	14.5	205	38	7.0	9.2	50	70	14	124	48.7	18.3	48.5	40.8	48.5	38.1
2"	90	19	300	50	9.2	11.4	70	102	17	150	61.1	21.3	60.5	52.4	60.5	49.3
2-1/2"	105	18	350	63.5	9.2	11.4	70	102	17	165	73.9	22.2	73.2	62.7	73.2	59.0
3"	119	25	400	78	11.4	13.5	102	125	22	195	89.9	25.4	89.2	78.0	89.2	73.7

23H - 4" & 6" (Std.)

MATERIAL LIST

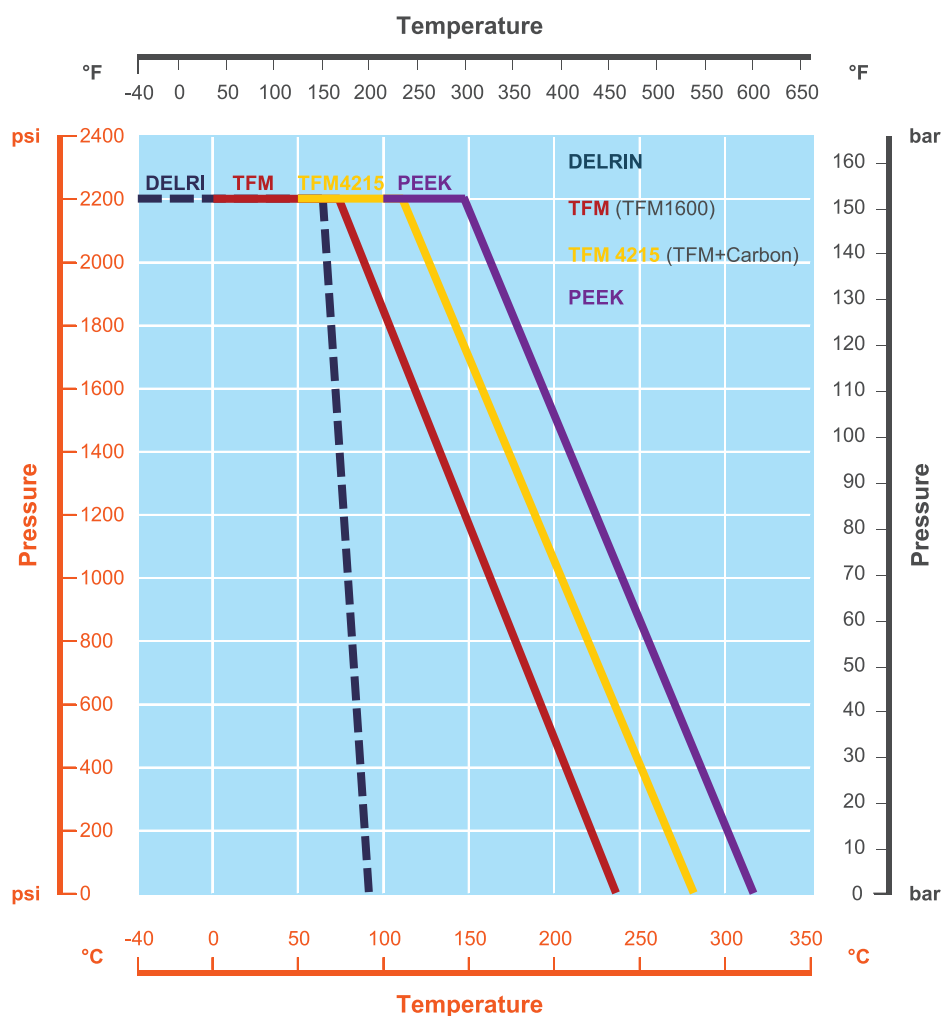
ITEM	PART NAME	MATERIALS
1	Body	CF8M
2	Gasket(Big)	TFM
3	Gasket(Small)	TFM
4	End Cap	CF8M
5	Ball Seat	TFM / DELRIN
6	Ball	SS 316
7	Stem	17-4 PH
8	Thrust Washer	PEEK
9	Anti-Static	SS 316
10	Stem Packing	TFM
11	Gland Washer	SS 304
12	Disk Washer	SS 301
13	Stem Nut	SS 304
14	Nut Stop	SS 304
15	Space Washer	SS 304
16	Stopper Plate	SS 304
17	Lever Head	CF8
18	Stop Pin	SS 304
19	Set Bolt	SS 304
20	Lever	STEEL PIPE
21	Bolt	SS 304



DIMENSIONS(mm)

SIZE	A	B	C	D	d1	d2	E	F	H	L	SW		BW(40#)		BW(80#)		BW(160#)	
											S	T	OD	ID	OD	ID	OD	ID
4"	144	25	380	99	11.5	13.5	102	125	22	245	115.2	32	114.5	102.2	114.5	97.2	114.5	87.3
6" (Std.)	144	25	380	99	11.5	13.5	102	125	22	310	—	—	168.3	154	168.3	146.3	168.3	131.7

PRESSURE & TEMPERATURE



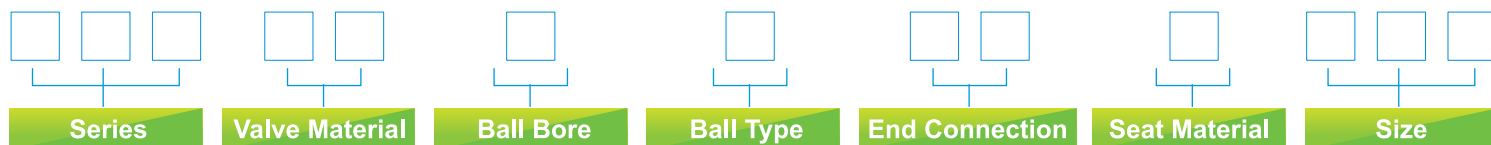
BREAK-TORQUE VALUE (Nm)

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
SEAT	TFM	TFM	TFM	TFM	TFM	TFM	TFM	TFM	DELRIN	DELRIN	DELRIN
GREASE	11	11	17	21	25	34	64	113	223	338	513

Remark : The above break-torque value has included safety factor (30%~40%)



HOW TO ORDER



Valve Material	
01	CF8M
02	CF3M
03	WCB
04	904L
05	254 SMO
06	2205
07	2507
08	Zeron100
09	Alloy 20
10	Monel 400
11	Hastelloy B
12	Hastelloy B-2
13	Hastelloy C-276

Ball Bore	
F	Full port
S	Standard port

Ball Type	
L	L-port
T	T-port
X	X-port
I	I-port

End Connection	
01	NPT
02	BSP
03	BSPT
04	Socket Weld
05	Butt Weld
06	ANSI150
07	ANSI300
08	PN16
09	PN40
10	JIS10K
11	JIS20K
12	T-clamp end
13	Tube weld end

Seat Material	
A	PTFE
B	RPTFE (PTFE+15%Glass Fiber)
C	PTFE+25%Carbon
D	PTFE+50%SS
E	TFM1600
F	TFM4215 (TFM1600+25%Carbon)
G	DELRIN
H	PEEK

Size	
08	1/4"
10	3/8"
15	1/2"
20	3/4"
25	1"
32	1-1/4"
40	1-1/2"
50	2"
65	2-1/2"
80	3"
100	4"
125	5"
150	6"
200	8"
250	10"
300	12"

