

KAT VALVE

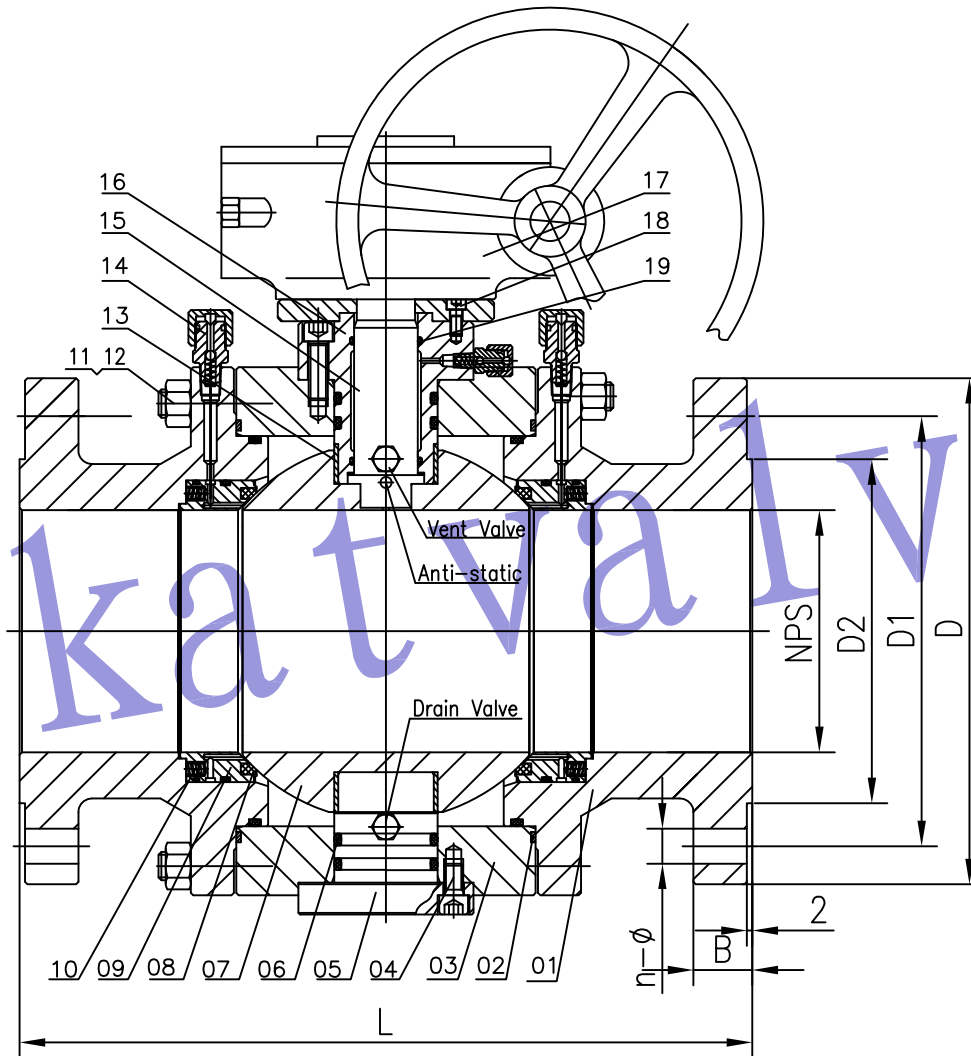
Industrial Valves Fittings and parts www.katvalve.com

sales@katvalve.com & info@katvalve.com



150LB Main Dimension (mm)

NPS	L	D	D1	D2	B	Z-φ
2"	178	152	120.7	92	16	4-19
2.5"	191	178	139.7	105	17.5	4-19
3"	203	190	152.4	127	19	4-19
4"	229	229	190.5	157	24	8-19
5"	356	254	215.9	186	24	8-22
6"	394	279	241.3	216	25.4	8-22
8"	457	343	298.5	270	28.4	8-22
10"	533	406	362.0	324	30.2	12-25
12"	610	483	431.8	381	31.8	12-25
14"	686	533	476.3	413	35.1	12-29
16"	762	597	539.8	470	36.6	16-29
18"	864	635	577.9	533	39.6	16-32
20"	914	699	635.0	584	42.9	20-32
24"	1067	813	749.3	692	47.8	20-35
26"	1245	870	806.5	749	68.5	24-35
28"	1346	927	863.6	800	71.5	28-35
30"	1397	984	914.4	857	75	28-35
32"	1524	1060	977.9	914	81.5	28-41
36"	1727	1168	1085.9	1022	90.5	32-41

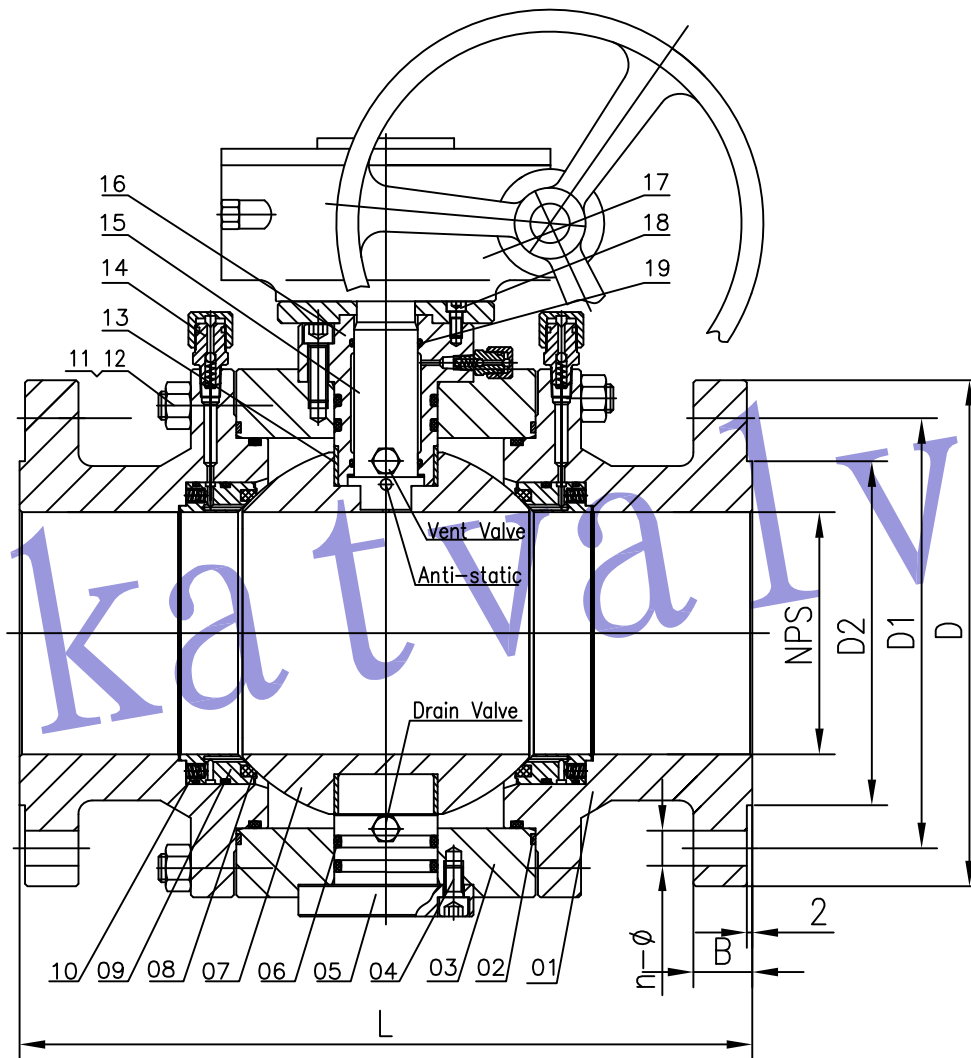


19	"O"Ring	VITON
18	Stud	ASTM A193 B7
17	Gear	
16	Cover	ASTM A105
15	Stem	ASTM A182 F304
14	Injection	ANSI 1020+Zn
13	Sliding bearing	Steel+PTFE
12	Stud	ASTM A193 B7
11	Nut	ASTM A194 2H
10	Spring	Inconel 750
9	Seat ring	ASTM A182 F304
8	Seat	PTFE
7	Ball	ASTM A182 F304
6	"O"Ring	VITON
5	Trunnion	ASTM A105
4	Screw	Steel
3	Body	ASTM A105
2	Gasket	SS304+Graphite
1	Bonnet	ASTM A105
Item	Part name	Material

CLASS 150, GEAR-OP BB, RF, Trunnion Mounted Ball Valve	
Design and Manufacture	API 6D
Face to Face Dimensions	ASME B16.10
Flange Ends Dimensions	ASME B16.5/16.47
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
DRAWN BY	www.katvalve.com
DESIGNED BY	info@katvalve.com
CHECKED BY	sales@katvalve.com

300LB Main Dimension (mm)

NPS	L	D	D1	D2	B	Z-φ
2"	216	165	127.0	92	22.3	8-19
2.5"	241	190	149.3	105	25.4	8-22
3"	283	210	168.1	127	28.4	8-22
4"	305	254	200.1	157	31.7	8-22
5"	381	279	234.9	186	35	8-22
6"	403	318	269.7	216	36.5	12-22
8"	502	381	330.2	270	41.1	12-25
10"	568	445	387.3	324	47.7	16-29
12"	648	521	450.8	381	50.8	16-32
14"	762	584	514.3	413	53.8	20-32
16"	838	648	571.5	470	57.2	20-35
18"	914	711	628.6	533	60.5	24-35
20"	991	775	685.8	584	63.5	24-35
24"	1143	914	812.8	692	69.9	24-41
26"	1245	972	876.3	749	79.5	28-44
28"	1346	1035	939.8	800	86.0	28-44
30"	1397	1092	997.0	857	92.0	28-48
32"	1524	1149	1054.1	914	99.0	28-51
36"	1727	1270	1104.9	1022	105.0	28-51

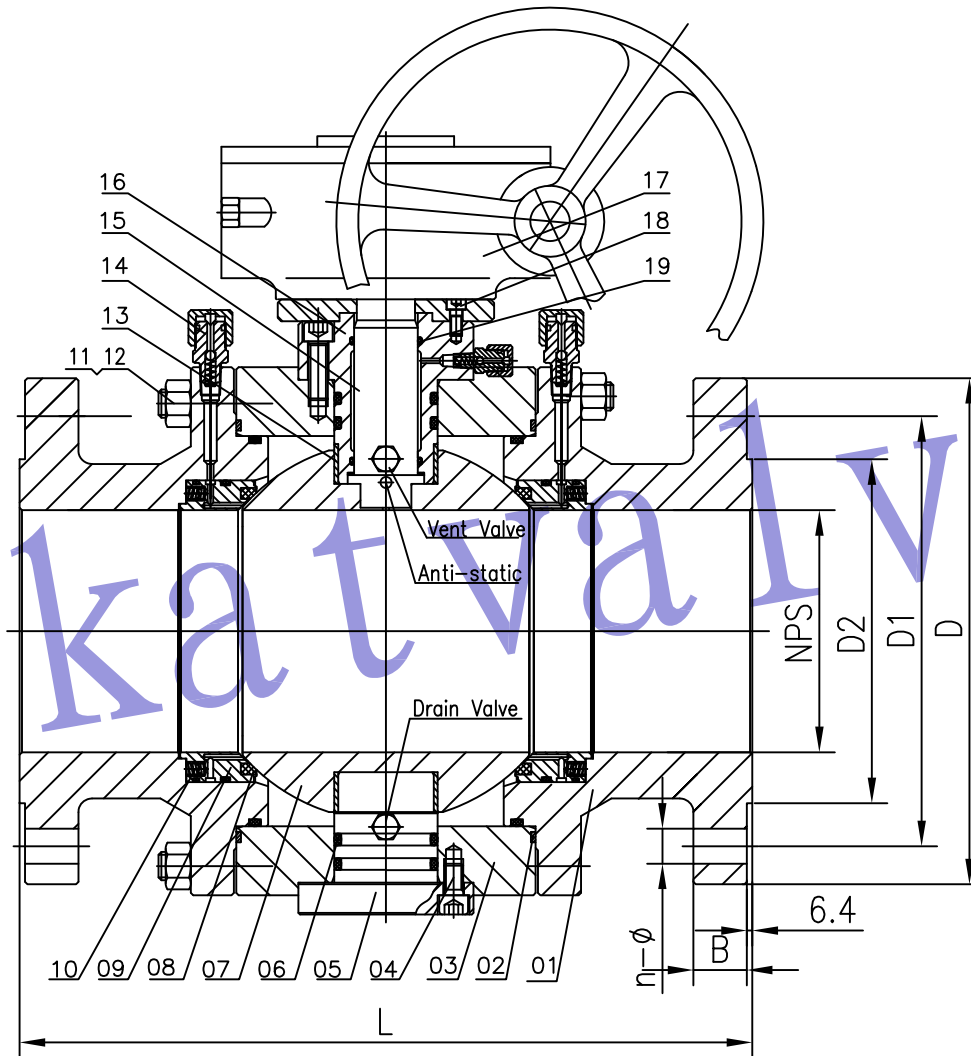


19	"O"Ring	VITON
18	Stud	ASTM A193 B7
17	Gear	
16	Cover	ASTM A105
15	Stem	ASTM A182 F304
14	Injection	ANSI 1020+Zn
13	Sliding bearing	Steel+PTFE
12	Stud	ASTM A193 B7
11	Nut	ASTM A194 2H
10	Spring	Inconel 750
9	Seat ring	ASTM A182 F304
8	Seat	PTFE
7	Ball	ASTM A182 F304
6	"O"Ring	VITON
5	Trunnion	ASTM A105
4	Screw	Steel
3	Body	ASTM A105
2	Gasket	SS304+Graphite
1	Bonnet	ASTM A105
Item	Part name	Material

CLASS 300, GEAR-OP BB, RF, Trunnion Mounted Ball Valve	
Design and Manufacture	API 6D
Face to Face Dimensions	ASME B16.10
Flange Ends Dimensions	ASME B16.5/16.47
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
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CHECKED BY	sales@katvalve.com

600LB Main Dimension (mm)

NPS	L	D	D1	D2	B	Z-φ
2"	292	165	127.0	92	25.4	8-19
2.5"	330	190	149.3	105	28.4	8-22
3"	356	210	168.1	127	31.8	8-22
4"	432	273	215.9	157	38.1	8-22
5"	508	330	266.7	186	44.5	8-22
6"	559	356	292.1	216	47.8	12-22
8"	660	419	349.3	270	55.6	12-25
10"	787	508	431.8	324	63.5	16-29
12"	838	559	489.0	381	66.6	16-32
14"	889	603	527.1	413	69.9	20-32
16"	991	686	603.3	470	76.2	20-35
18"	1092	743	654.1	533	82.6	24-35
20"	1194	813	723.9	584	88.9	24-35
24"	1397	940	838.2	692	101.6	24-41
26"	1448	1016	914.4	749	108.0	28-51
28"	1549	1073	965.2	800	111.5	28-54
30"	1651	1130	1022.4	857	114.5	28-54
32"	1778	1194	1079.5	914	117.5	28-60
36"	2083	1314	1193.8	1022	124.0	28-67

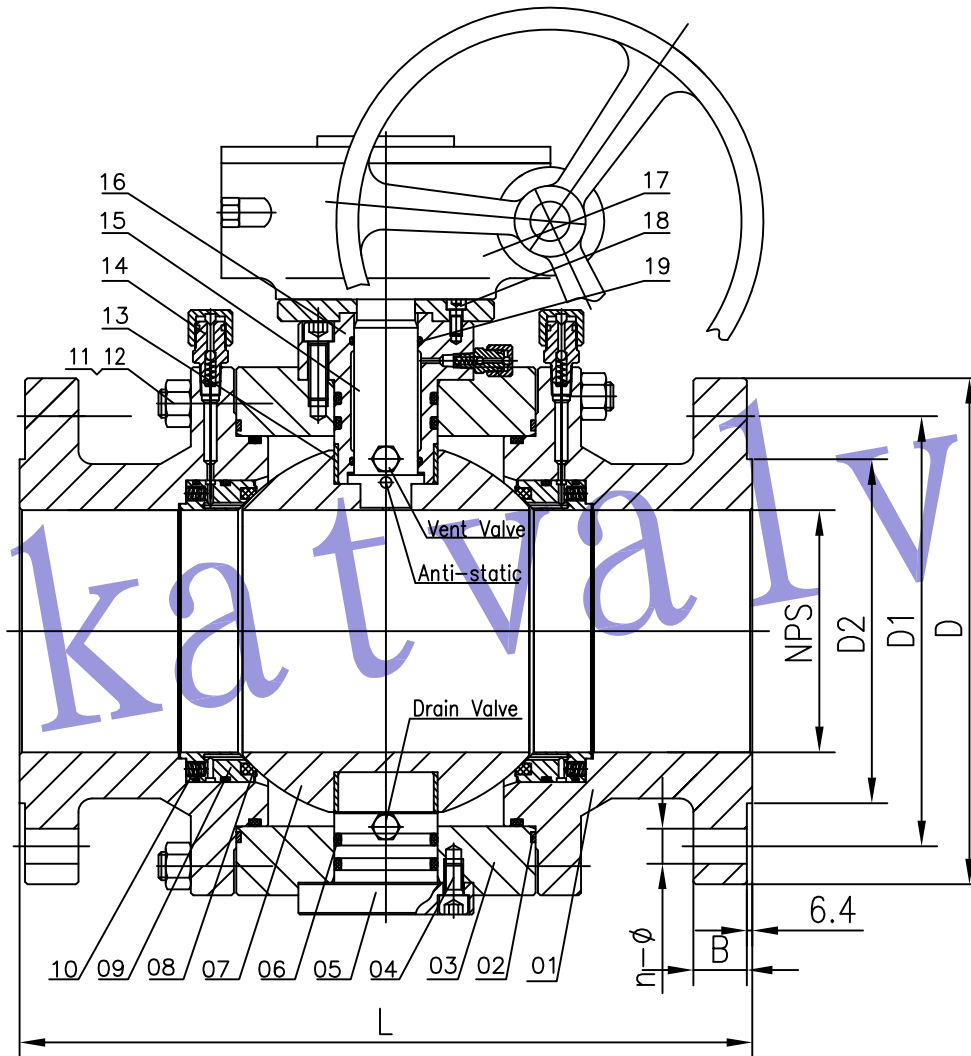


19	"O"Ring	VITON
18	Stud	ASTM A193 B7
17	Gear	
16	Cover	ASTM A105
15	Stem	ASTM A182 F304
14	Injection	ANSI 1020+Zn
13	Sliding bearing	Steel+PTFE
12	Stud	ASTM A193 B7
11	Nut	ASTM A194 2H
10	Spring	Inconel 750
9	Seat ring	ASTM A182 F304
8	Seat	PTFE
7	Ball	ASTM A182 F304
6	"O"Ring	VITON
5	Trunnion	ASTM A105
4	Screw	Steel
3	Body	ASTM A105
2	Gasket	SS304+Graphite
1	Bonnet	ASTM A105
Item	Part name	Material

CLASS 600, GEAR-OP	
BB, RF, Trunnion Mounted Ball Valve	
Design and Manufacture	API 6D
Face to Face Dimensions	ASME B16.10
Flange Ends Dimensions	ASME B16.5/16.47
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
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900LB Main Dimension (mm)

NPS	L	D	D1	D2	B	Z-φ
2"	368	216	165.1	92	38.1	8-25
2.5"	419	244	190.5	105	41.1	8-29
3"	381	241	190.5	127	38.1	8-25
4"	457	292	234.9	157	44.4	8-32
5"	559	349	279.4	186	50.8	8-35
6"	610	381	317.5	216	55.6	12-32
8"	737	470	393.7	270	63.5	12-38
10"	838	546	469.9	324	69.9	16-38
12"	965	610	533.4	381	79.3	20-38
14"	1029	641	558.8	413	85.8	20-41
16"	1130	705	615.9	470	88.9	20-44
18"	1219	878	685.8	533	101.6	20-51
20"	1321	857	749.3	584	107.9	20-54
24"	1540	1041	901.7	692	139.7	20-67

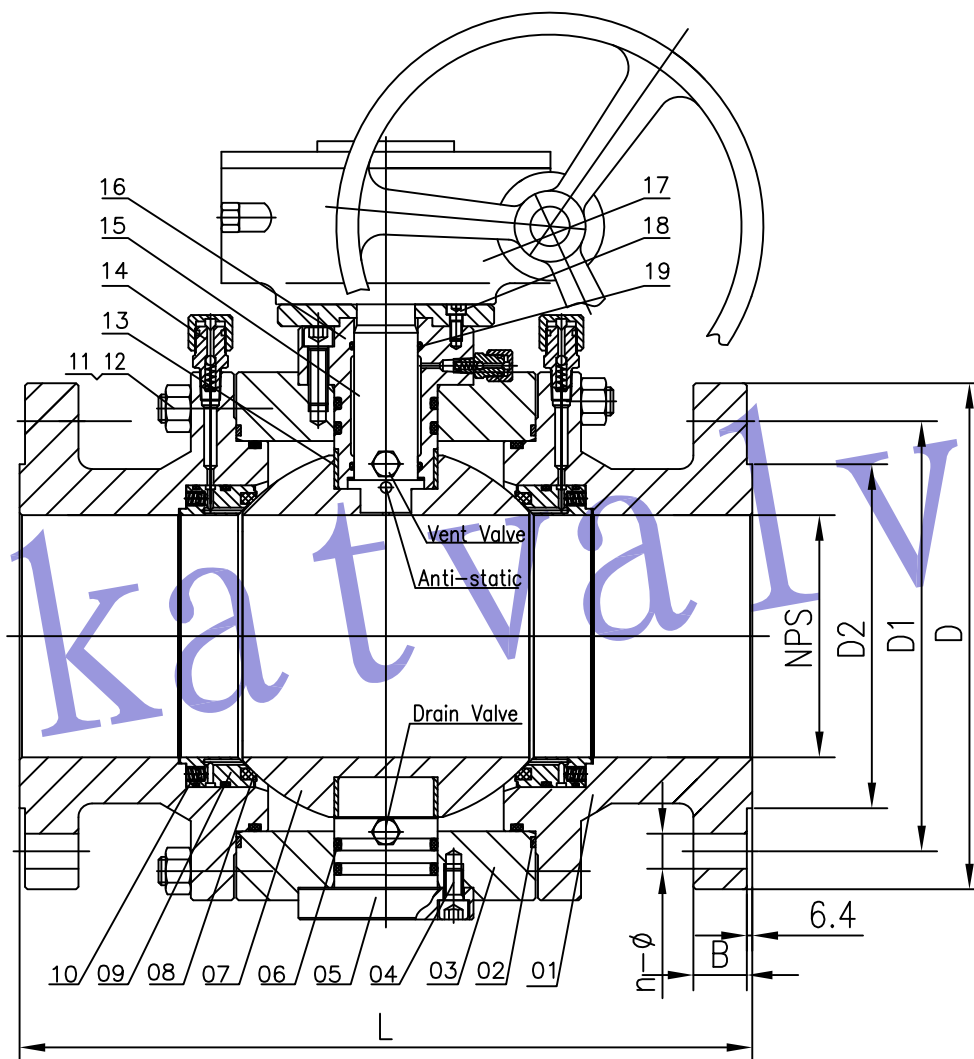


19	"O"Ring	VITON
18	Stud	ASTM A193 B7
17	Gear	
16	Cover	ASTM A105
15	Stem	ASTM A182 F304
14	Injection	ANSI 1020+Zn
13	Sliding bearing	Steel+PTFE
12	Stud	ASTM A193 B7
11	Nut	ASTM A194 2H
10	Spring	Inconel 750
9	Seat ring	ASTM A182 F304
8	Seat	PTFE
7	Ball	ASTM A182 F304
6	"O"Ring	VITON
5	Trunnion	ASTM A105
4	Screw	Steel
3	Body	ASTM A105
2	Gasket	SS304+Graphite
1	Bonnet	ASTM A105
Item	Part name	Material

CLASS 900, GEAR-OP	
BB, RF, Trunnion Mounted Ball Valve	
Design and Manufacture	API 6D
Face to Face Dimensions	ASME B16.10
Flange Ends Dimensions	ASME B16.5/16.47
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
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1500LB Main Dimension (mm)

NPS	L	D	D1	D2	B	Z-φ
2"	368	216	165.1	92	38.1	8-25
2.5"	419	244	190.5	105	41.1	8-29
3"	470	267	203.2	127	47.7	8-32
4"	546	311	241.3	157	53.8	8-35
5"	673	375	292.1	186	73.2	8-41
6"	705	394	317.5	216	82.5	12-38
8"	832	483	393.7	270	91.9	12-44
10"	991	584	482.6	324	107.9	12-51
12"	1130	673	571.5	381	123.9	16-54
14"	1257	749	635.0	413	133.3	16-60
16"	1384	826	704.8	470	146.0	16-67



19	"O"Ring	VITON
18	Stud	ASTM A193 B7
17	Gear	
16	Cover	ASTM A105
15	Stem	ASTM A182 F304
14	Injection	ANSI 1020+Zn
13	Sliding bearing	Steel+PTFE
12	Stud	ASTM A193 B7
11	Nut	ASTM A194 2H
10	Spring	Inconel 750
9	Seat ring	ASTM A182 F304
8	Seat	PTFE
7	Ball	ASTM A182 F304
6	"O"Ring	VITON
5	Trunnion	ASTM A105
4	Screw	Steel
3	Body	ASTM A105
2	Gasket	SS304+Graphite
1	Bonnet	ASTM A105
Item	Part name	Material

CLASS 1500, GEAR-OP

BB, RF, Trunnion Mounted Ball Valve

Design and Manufacture	API 6D
Face to Face Dimensions	ASME B16.10
Flange Ends Dimensions	ASME B16.5/16.47
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
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