

KAT VALVE

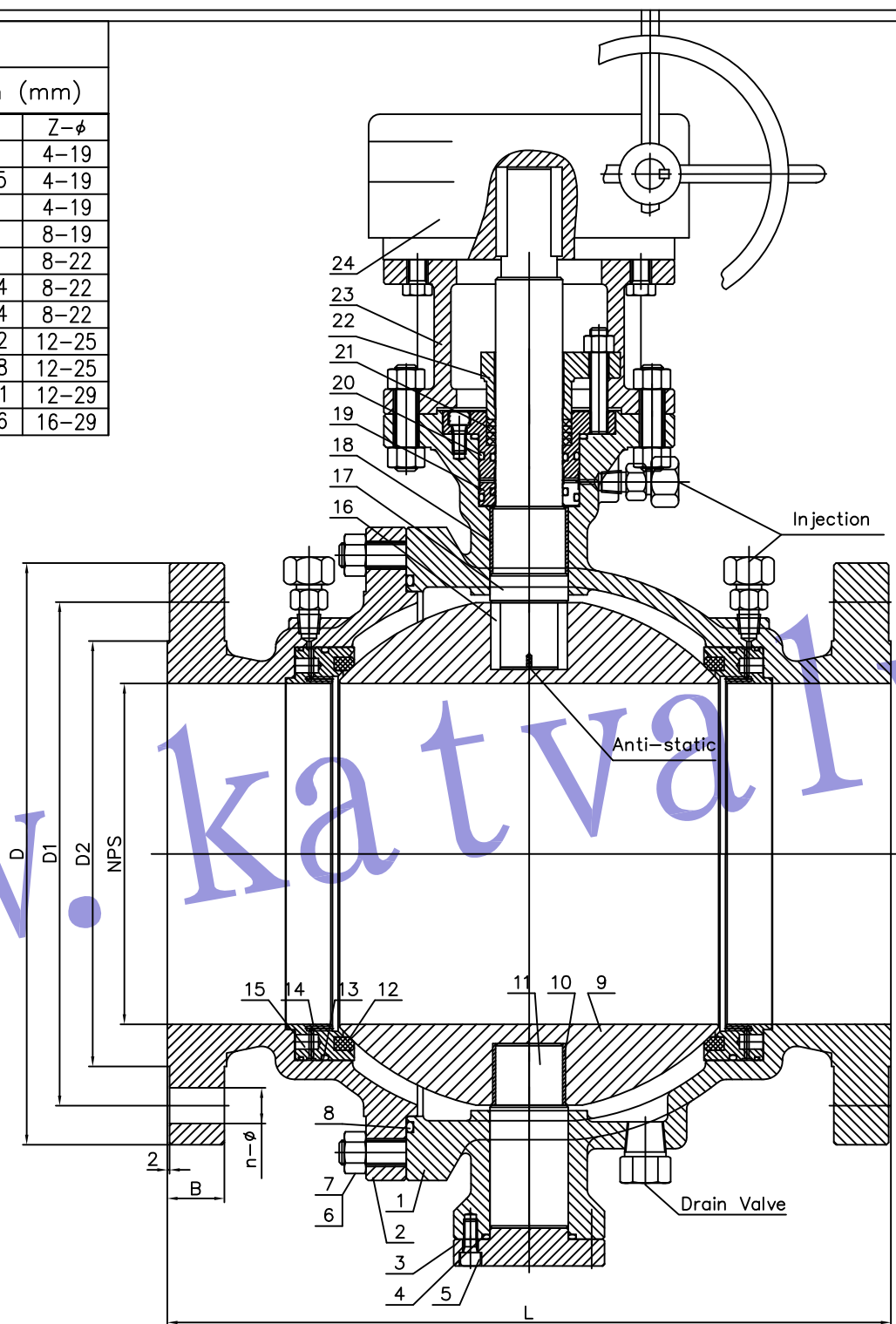
Industrial Valves Fittings and parts www.katvalve.com

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



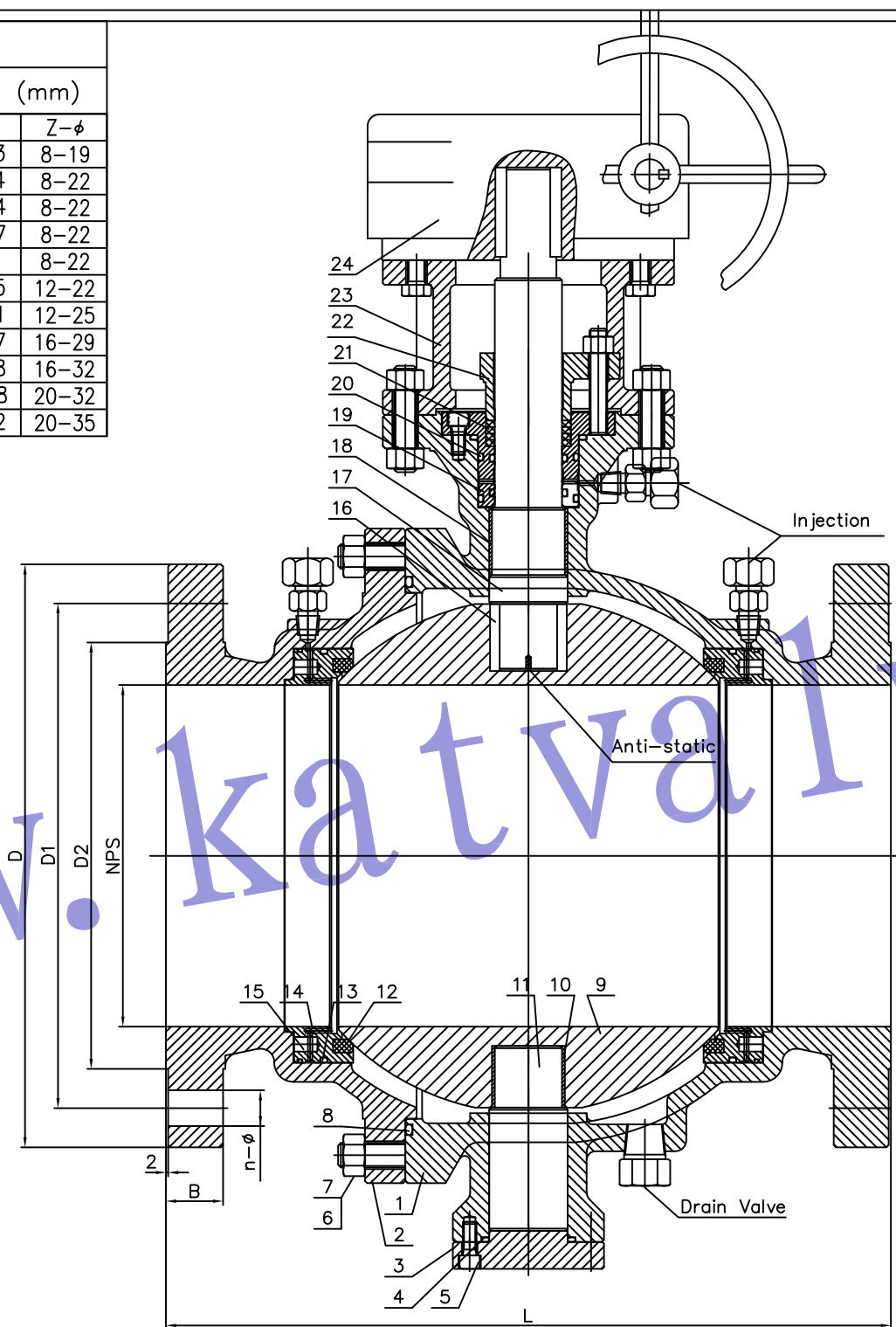
24	Gear	
23	Yoke	ASTM A216 WCB
22	Gland flange	ASTM A216 WCB
21	Packing	Graphite
20	"O"Ring	Viton
19	Gland box	ASTM A105
18	Sliding bearing	Steel+PTFE
17	Stem	ASTM A182 F304
16	Key	ANSI 1045
15	Spring	Inconel 750
14	Seat ring	ASTM A182 F304
13	"O"Ring	Viton
12	Seat	PTFE
11	Trunnion	ASTM A105
10	Sliding bearing	Steel+PTFE
9	Ball	ASTM A182 F304
8	Gasket	SS304+Graphite
7	Stud	ASTM A193 B7
6	Nut	ASTM A194 2H
5	Stud	ASTM A193 B7
4	"O"Ring	Viton
3	Bottom	ASTM A105
2	Bonnet	ASTM A105
1	Body	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
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
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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



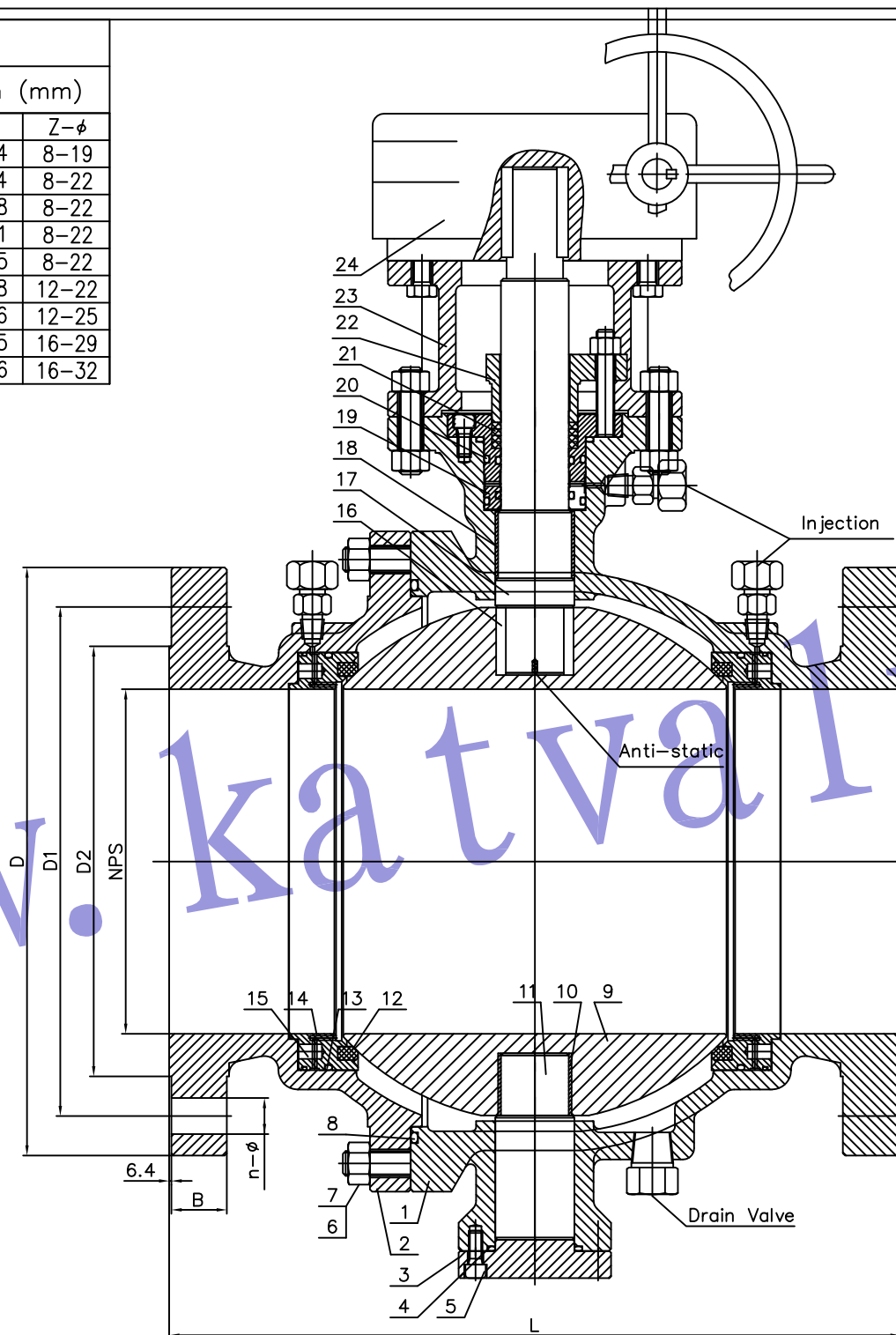
24	Gear	
23	Yoke	ASTM A216 WCB
22	Gland flange	ASTM A216 WCB
21	Packing	Graphite
20	"O"Ring	Viton
19	Gland box	ASTM A105
18	Sliding bearing	Steel+PTFE
17	Stem	ASTM A182 F304
16	Key	ANSI 1045
15	Spring	Inconel 750
14	Seat ring	ASTM A182 F304
13	"O"Ring	Viton
12	Seat	PTFE
11	Trunnion	ASTM A105
10	Sliding bearing	Steel+PTFE
9	Ball	ASTM A182 F304
8	Gasket	SS304+Graphite
7	Stud	ASTM A193 B7
6	Nut	ASTM A194 2H
5	Stud	ASTM A193 B7
4	"O"Ring	Viton
3	Bottom	ASTM A105
2	Bonnet	ASTM A105
1	Body	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
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
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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



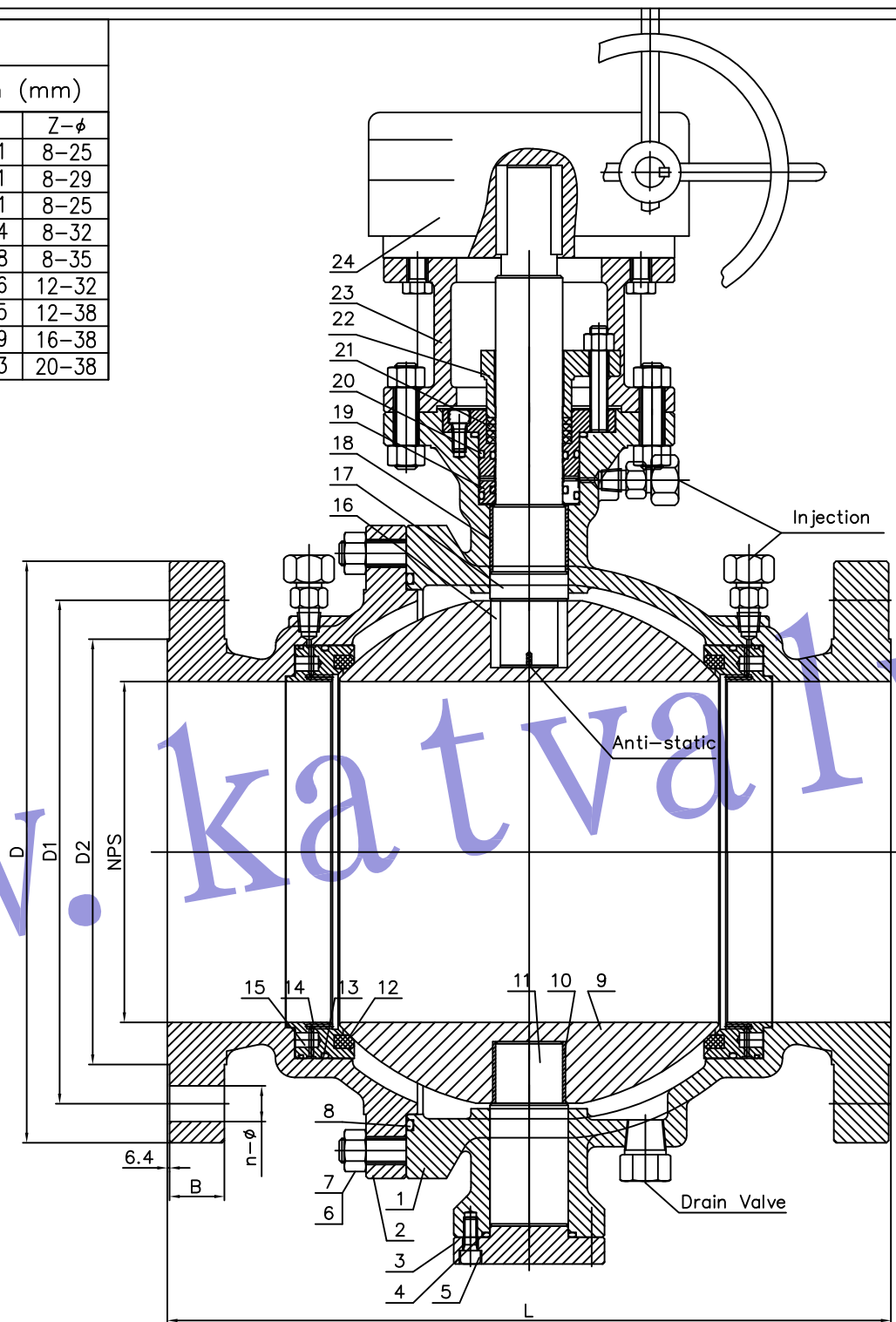
24	Gear	
23	Yoke	ASTM A216 WCB
22	Gland flange	ASTM A216 WCB
21	Packing	Graphite
20	"O"Ring	Viton
19	Gland box	ASTM A105
18	Sliding bearing	Steel+PTFE
17	Stem	ASTM A182 F304
16	Key	ANSI 1045
15	Spring	Inconel 750
14	Seat ring	ASTM A182 F304
13	"O"Ring	Viton
12	Seat	PTFE
11	Trunnion	ASTM A105
10	Sliding bearing	Steel+PTFE
9	Ball	ASTM A182 F304
8	Gasket	SS304+Graphite
7	Stud	ASTM A193 B7
6	Nut	ASTM A194 2H
5	Stud	ASTM A193 B7
4	"O"Ring	Viton
3	Bottom	ASTM A105
2	Bonnet	ASTM A105
1	Body	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
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



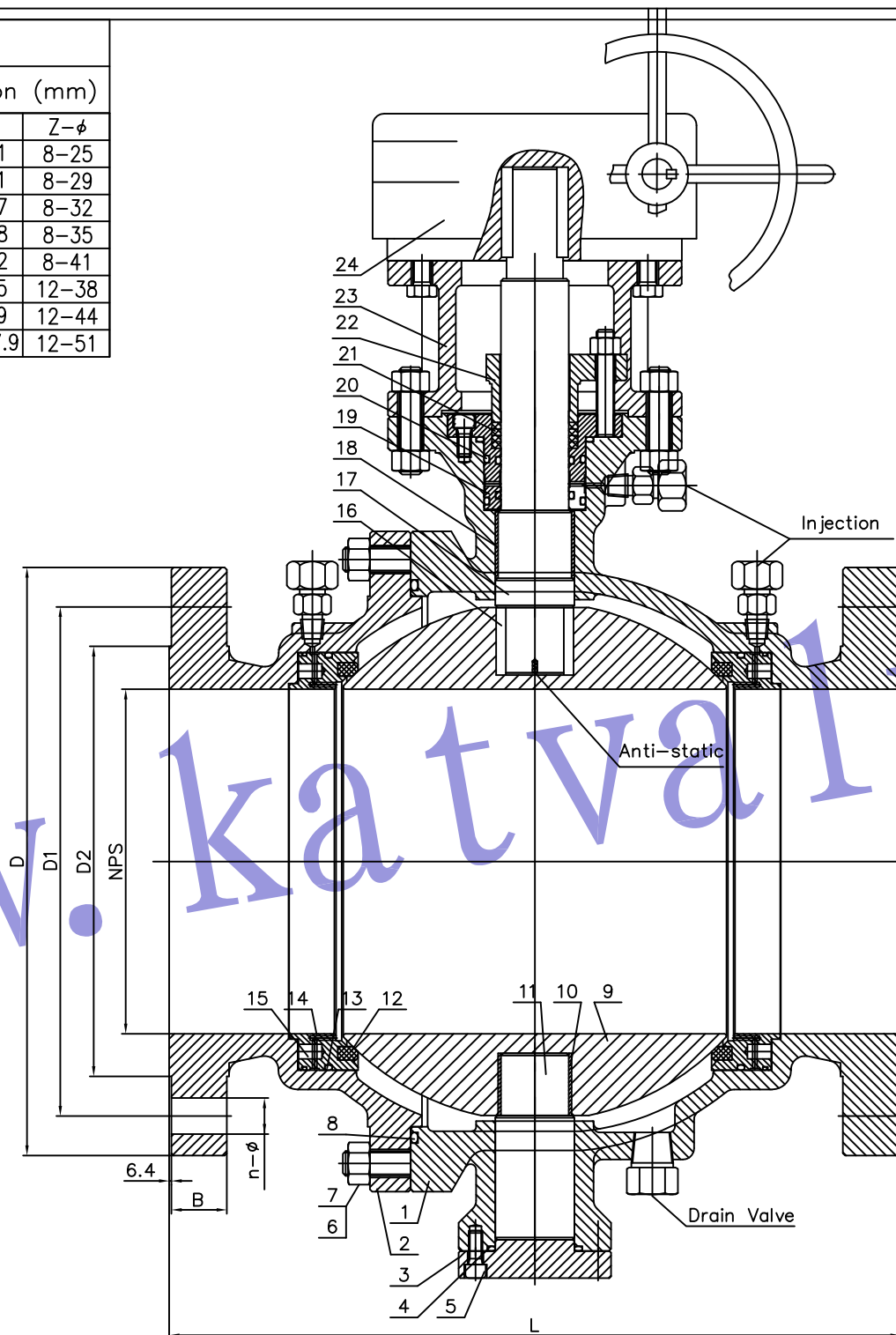
24	Gear	
23	Yoke	ASTM A216 WCB
22	Gland flange	ASTM A216 WCB
21	Packing	Graphite
20	"O"Ring	Viton
19	Gland box	ASTM A105
18	Sliding bearing	Steel+PTFE
17	Stem	ASTM A182 F304
16	Key	ANSI 1045
15	Spring	Inconel 750
14	Seat ring	ASTM A182 F304
13	"O"Ring	Viton
12	Seat	PTFE
11	Trunnion	ASTM A105
10	Sliding bearing	Steel+PTFE
9	Ball	ASTM A182 F304
8	Gasket	SS304+Graphite
7	Stud	ASTM A193 B7
6	Nut	ASTM A194 2H
5	Stud	ASTM A193 B7
4	"O"Ring	Viton
3	Bottom	ASTM A105
2	Bonnet	ASTM A105
1	Body	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
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



24	Gear	
23	Yoke	ASTM A216 WCB
22	Gland flange	ASTM A216 WCB
21	Packing	Graphite
20	"O"Ring	Viton
19	Gland box	ASTM A105
18	Sliding bearing	Steel+PTFE
17	Stem	ASTM A182 F304
16	Key	ANSI 1045
15	Spring	Inconel 750
14	Seat ring	ASTM A182 F304
13	"O"Ring	Viton
12	Seat	PTFE
11	Trunnion	ASTM A105
10	Sliding bearing	Steel+PTFE
9	Ball	ASTM A182 F304
8	Gasket	SS304+Graphite
7	Stud	ASTM A193 B7
6	Nut	ASTM A194 2H
5	Stud	ASTM A193 B7
4	"O"Ring	Viton
3	Bottom	ASTM A105
2	Bonnet	ASTM A105
1	Body	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
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
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