

KAT VALVE

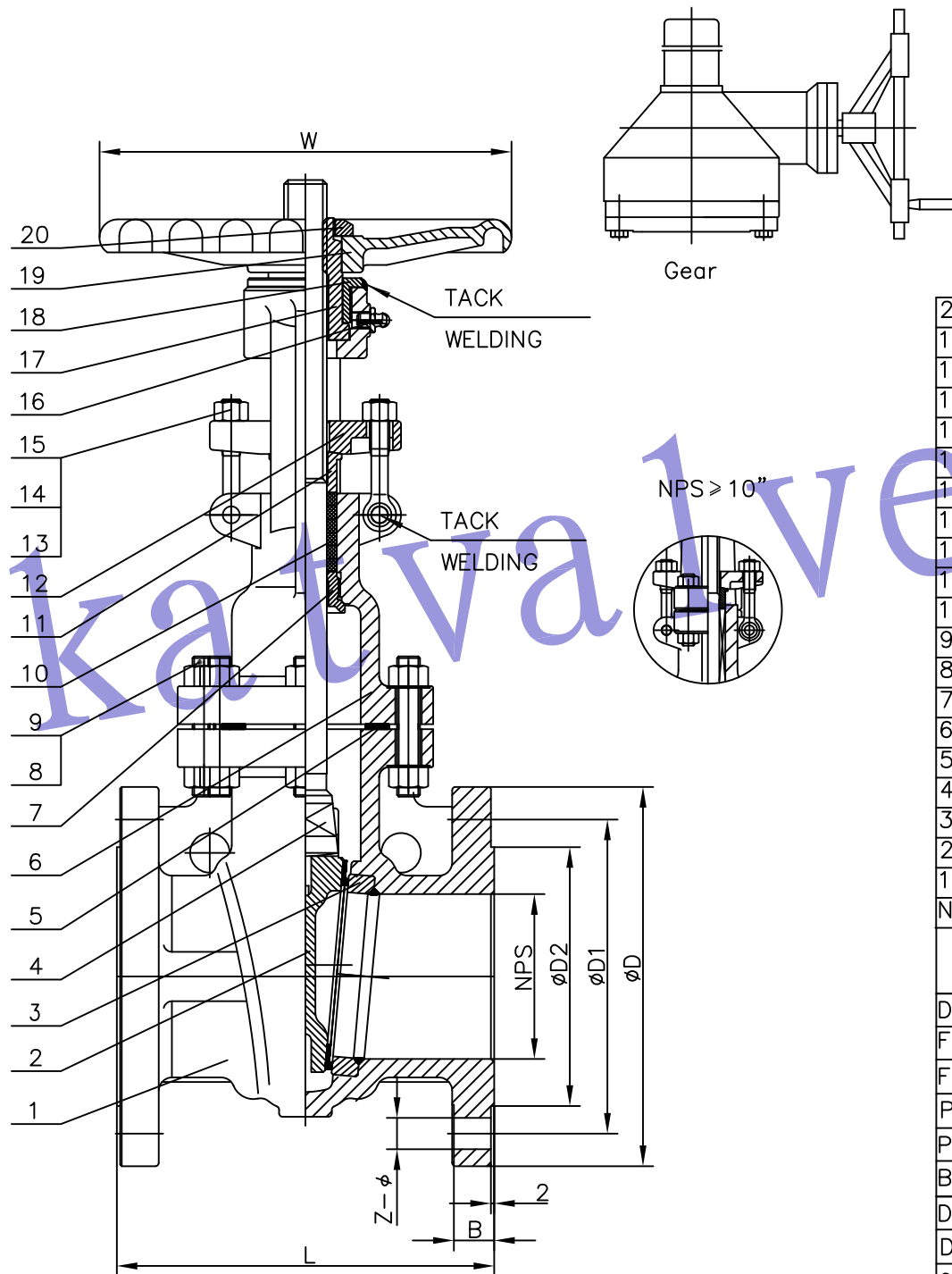
Industrial Valves Fittings and parts www.katvalve.com

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"	254	254	215.9	186	24	8-22
6"	267	279	241.3	216	25.4	8-22
8"	292	343	298.5	270	28.4	8-22
10"	330	406	362.0	324	30.2	12-25
12"	356	483	431.8	381	31.8	12-25
14"	381	533	476.3	413	35.1	12-29
16"	406	597	539.8	470	36.6	16-29
18"	432	635	577.9	533	39.6	16-32
20"	457	699	635.0	584	42.9	20-32
24"	508	813	749.3	692	47.8	20-35
26"	559	870	806.5	749	68.5	24-35
28"	610	927	863.6	800	71.5	28-35
30"	610	984	914.4	857	75	28-35
32"	660	1060	977.9	914	81.5	28-41
36"	711	1168	1085.9	1022	90.5	32-41



20	Lock nut	ANSI 1020
19	Handwheel	Duction Iron
18	Gland nut	ANSI 1020
17	Stem nut	Copper Alloy
16	Oil filler	Copper Alloy
15	Pin	ANSI 1045+Zn
14	Eye Bolt	ASTM A193 B7
13	Eye nut	ASTM A194 2H
12	Gland flange	ASTM A216 WCB
11	Gland	ASTM A182 F6
10	Packing	Graphite
9	Bolt	ASTM A193 B7
8	Nut	ASTM A194 2H
7	Back seat	ASTM A182 F6
6	Bonnet	ASTM A216 WCB
5	Gasket	SS304+Graphite
4	Stem	ASTM A276 410
3	Seat	ASTM A105+13Cr
2	Wedge	ASTM A216 WCB+13Cr
1	Body	ASTM A216 WCB
NO.	Part name	Material

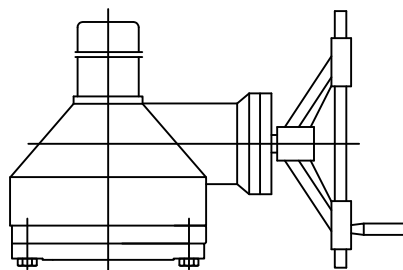
CLASS 150, HW-OP

BB, RF, OS&Y, GATE VALVES

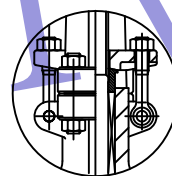
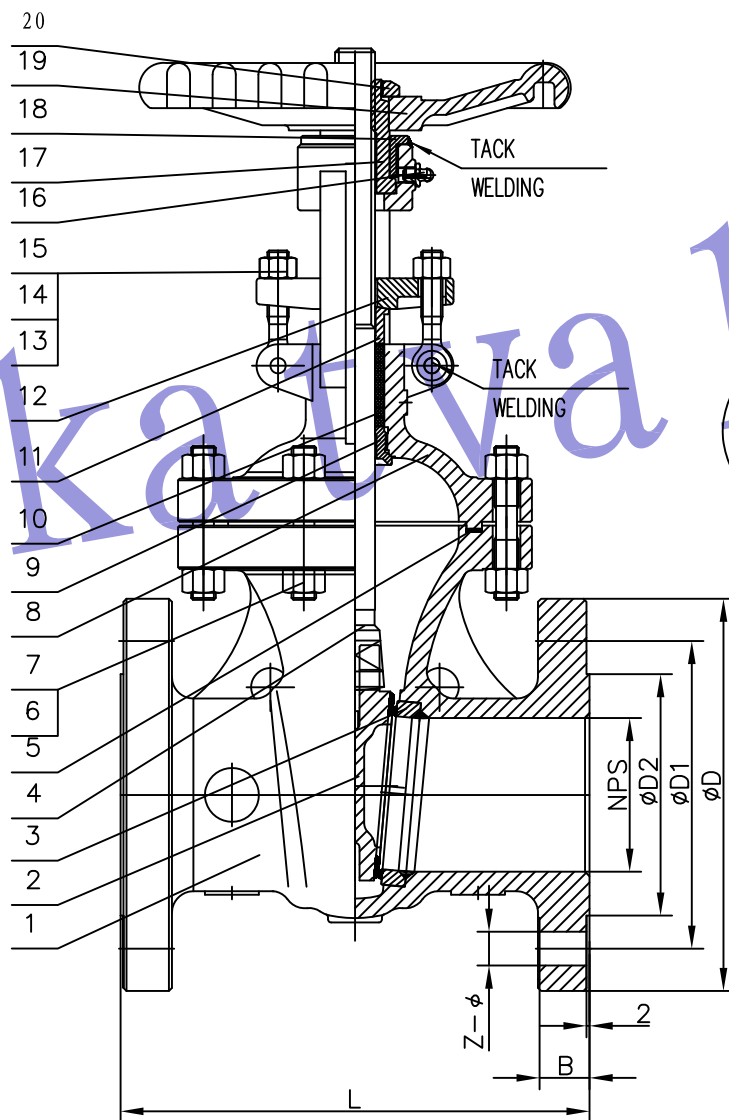
Design and Manufacture	API 600
Face to Face Dimensions	ASME B16.10
Flange Ends Dimensions	ASME B16.5/16.47
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
DRAWN BY	www.katvalve.com
DESIGNED BY	info@katvalve.com
CHECKED BY	sales@katvalve.com

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"	282	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"	419	381	330.2	270	41.1	12-25
10"	457	445	387.3	324	47.7	16-29
12"	502	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



Gear



20	Lock nut	ANSI 1020
19	Handwheel	Duction Iron
18	Gland nut	ANSI 1020
17	Stem nut	Copper Alloy
16	Oil filler	Copper Alloy
15	Pin	ANSI 1045+Zn
14	Eye BOLT	ASTM A193 B7
13	Eye nut	ASTM A194 2H
12	Gland flange	ASTM A216 WCB
11	Gland	ASTM A182 F6
10	Packing	Graphite
9	Bolt	ASTM A193 B7
8	Nut	ASTM A194 2H
7	Back seat	ASTM A182 F6
6	Bonnet	ASTM A216 WCB
5	Gasket	SS304+Graphite
4	Stem	ASTM A276 410
3	Seat	ASTM A105+13Cr
2	Wedge	ASTM A216 WCB+13Cr
1	Body	ASTM A216 WCB
NO.	Part name	Material

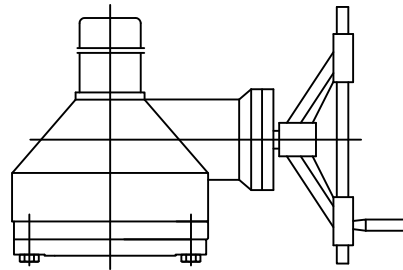
CLASS 300, HW-OP

BB, RF, OS&Y, GATE VALVES

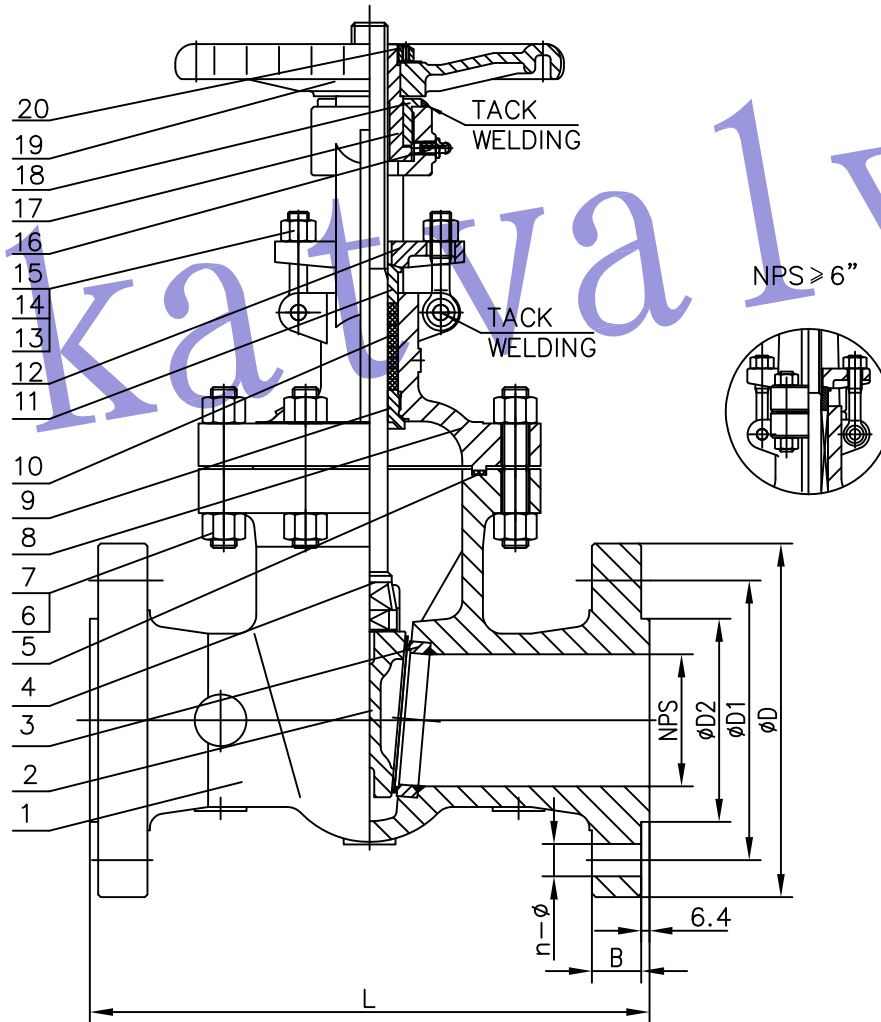
Design and Manufacture	API 600
Face to Face Dimensions	ASME B16.10
Flange Ends Dimensions	ASME B16.5/16.47
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
DRAWN BY	www.katvalve.com
DESIGNED BY	info@katvalve.com
CHECKED BY	sales@katvalve.com

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



Gear



20	Lock nut	ANSI 1020
19	Handwheel	Duction Iron
18	Gland nut	ANSI 1020
17	Stem nut	Copper Alloy
16	Oil filler	Copper Alloy
15	Pin	ANSI 1045+Zn
14	Eye Bolt	ASTM A193 B7
13	Eye nut	ASTM A194 2H
12	Gland flange	ASTM A216 WCB
11	Gland	ASTM A182 F6
10	Packing	Graphite
9	Bolt	ASTM A193 B7
8	Nut	ASTM A194 2H
7	Back seat	ASTM A182 F6
6	Bonnet	ASTM A216 WCB
5	Gasket	SS304+Graphite
4	Stem	ASTM A276 410
3	Seat	ASTM A105+13Cr
2	Wedge	ASTM A216 WCB+13Cr
1	Body	ASTM A216 WCB
NO.	Part name	Material

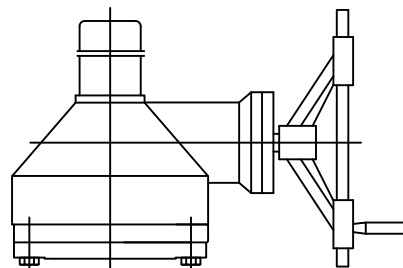
CLASS 600, HW-OP

BB, RF, OS&Y, GATE VALVES

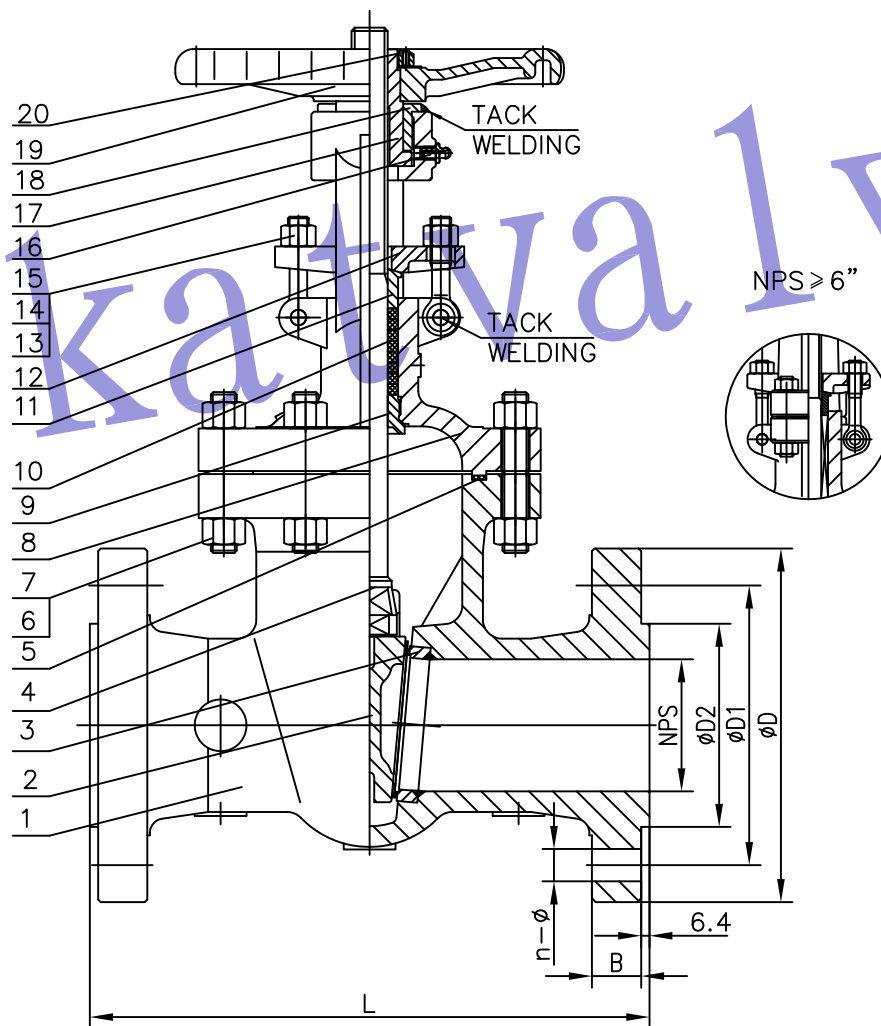
Design and Manufacture	API 600
Face to Face Dimensions	ASME B16.10
Flange Ends Dimensions	ASME B16.5/16.47
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
DRAWN BY	www.katvalve.com
DESIGNED BY	info@katvalve.com
CHECKED BY	sales@katvalve.com

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"	1549	1041	901.7	692	139.7	20-67



Gear



20	Lock nut	ANSI 1020
19	Handwheel	Duction Iron
18	Gland nut	ANSI 1020
17	Stem nut	Copper Alloy
16	Oil filler	Copper Alloy
15	Pin	ANSI 1045+Zn
14	Eye Bolt	ASTM A193 B7
13	Eye nut	ASTM A194 2H
12	Gland flange	ASTM A216 WCB
11	Gland	ASTM A182 F6
10	Packing	Graphite
9	Bolt	ASTM A193 B7
8	Nut	ASTM A194 2H
7	Back seat	ASTM A182 F6
6	Bonnet	ASTM A216 WCB
5	Gasket	SS304+Graphite
4	Stem	ASTM A276 410
3	Seat	ASTM A105+13Cr
2	Wedge	ASTM A216 WCB+13Cr
1	Body	ASTM A216 WCB
NO.	Part name	Material

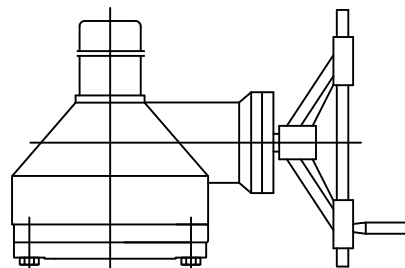
CLASS 900, HW-OP

BB, RF, OS&Y, GATE VALVES

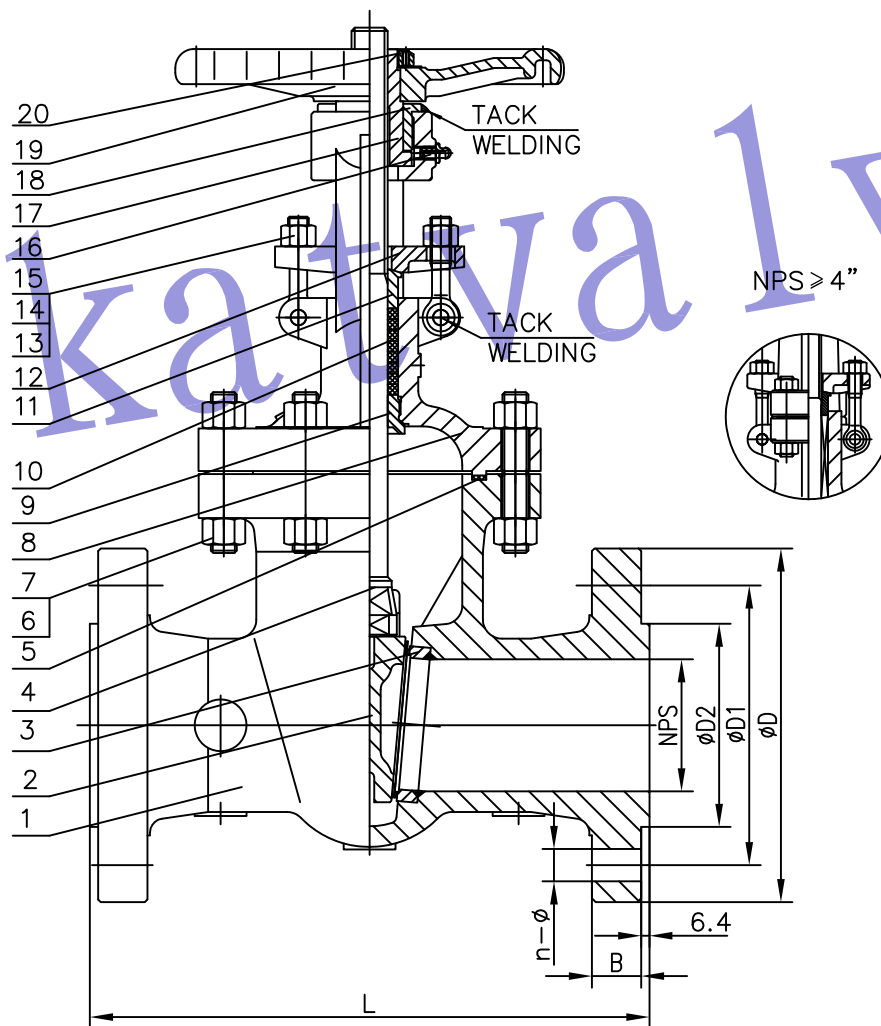
Design and Manufacture	API 600
Face to Face Dimensions	ASME B16.10
Flange Ends Dimensions	ASME B16.5/16.47
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
DRAWN BY	www.katvalve.com
DESIGNED BY	info@katvalve.com
CHECKED BY	sales@katvalve.com

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
18"	1537	914	774.7	533	162.0	16-73
20"	1664	984	831.8	584	177.8	16-79
24"	1943	1168	990.6	692	203.2	16-92



Gear



20	Lock nut	ANSI 1020
19	Handwheel	Duction Iron
18	Gland nut	ANSI 1020
17	Stem nut	Copper Alloy
16	Oil filler	Copper Alloy
15	Pin	ANSI 1045+Zn
14	Eye BOLT	ASTM A193 B7
13	Eye nut	ASTM A194 2H
12	Gland flange	ASTM A216 WCB
11	Gland	ASTM A182 F6
10	Packing	Graphite
9	Bolt	ASTM A193 B7
8	Nut	ASTM A194 2H
7	Back seat	ASTM A182 F6
6	Bonnet	ASTM A216 WCB
5	Gasket	SS304+Graphite
4	Stem	ASTM A276 410
3	Seat	ASTM A105+13Cr
2	Wedge	ASTM A216 WCB+13Cr
1	Body	ASTM A216 WCB
NO.	Part name	Material

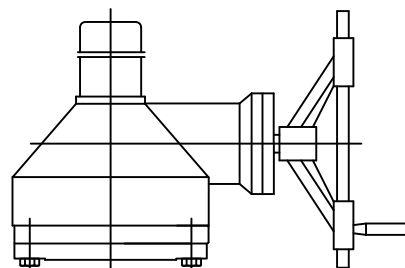
CLASS 1500, HW-OP

BB, RF, OS&Y, GATE VALVES

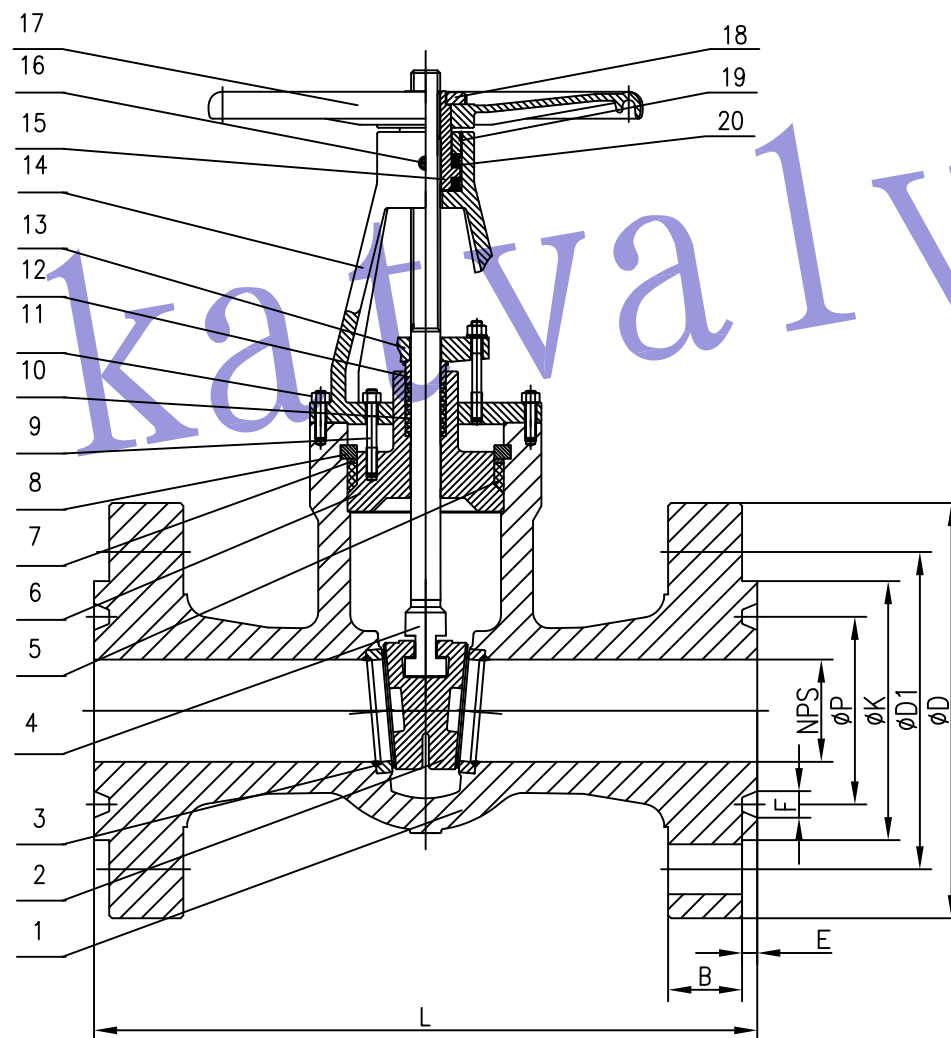
Design and Manufacture	API 600
Face to Face Dimensions	ASME B16.10
Flange Ends Dimensions	ASME B16.5
Pressure Test	API 598
Pressure/Temp. Rating	ASME B16.34
Body Marking	MSS SP-25
DRAWN BY	www.katvalve.com
DESIGNED BY	info@katvalve.com
CHECKED BY	sales@katvalve.com

2500LB Main Dimension (mm)

NPS	L	D	D1	K	P	F	B	Z-φ	E
2"	454	235	171.5	133	101.6	11.9	50.8	8-29	7.9
2.5"	514	267	196.9	149	111.1	13.5	57.2	8-32	9.5
3"	584	305	228.6	168	127.0	13.5	66.6	8-35	9.5
4"	683	356	273.1	203	157.2	16.7	76.2	8-41	11.1
5"	807	419	323.9	241	190.5	19.8	91.9	8-48	12.7
6"	927	483	368.3	279	228.6	19.8	108.0	8-54	12.7
8"	1038	552	438.2	340	279.4	23.0	127.0	12-54	14.3
10"	1292	673	539.8	425	342.9	30.2	165.1	12-67	17.5
12"	1444	762	619.3	495	406.4	33.3	184.2	12-73	17.5



Gear



20	Bearing	ANSI 1020
19	Gland nut	ANSI 1020
18	Lock nut	ANSI 1020
17	Handwheel	Duction Iron
16	Oil filler	Copper Alloy
15	Stem nut	Copper Alloy
14	Bonnet	ASTM A193 B7
13	Gland flange	ASTM A216 WCB
12	Gland	ASTM A182 F6
11	Nut	ASTM A182 F6
10	Packing	Graphite
9	Bolt	ASTM A193 B7
8	Ring	ASTM A194 2H
7	Gasket	ASTM A182 F6
6	Cover	ASTM A216 WCB
5	Seal ring	SS304+Graphite
4	Stem	ASTM A276 410
3	Seat	ASTM A105+13Cr
2	Wedge	ASTM A216 WCB+13Cr
1	Body	ASTM A216 WCB
NO.	Part name	Material

CLASS 2500, HW-OP

BB, RF, OS&Y, GATE VALVES

Design and Manufacture	API 600
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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