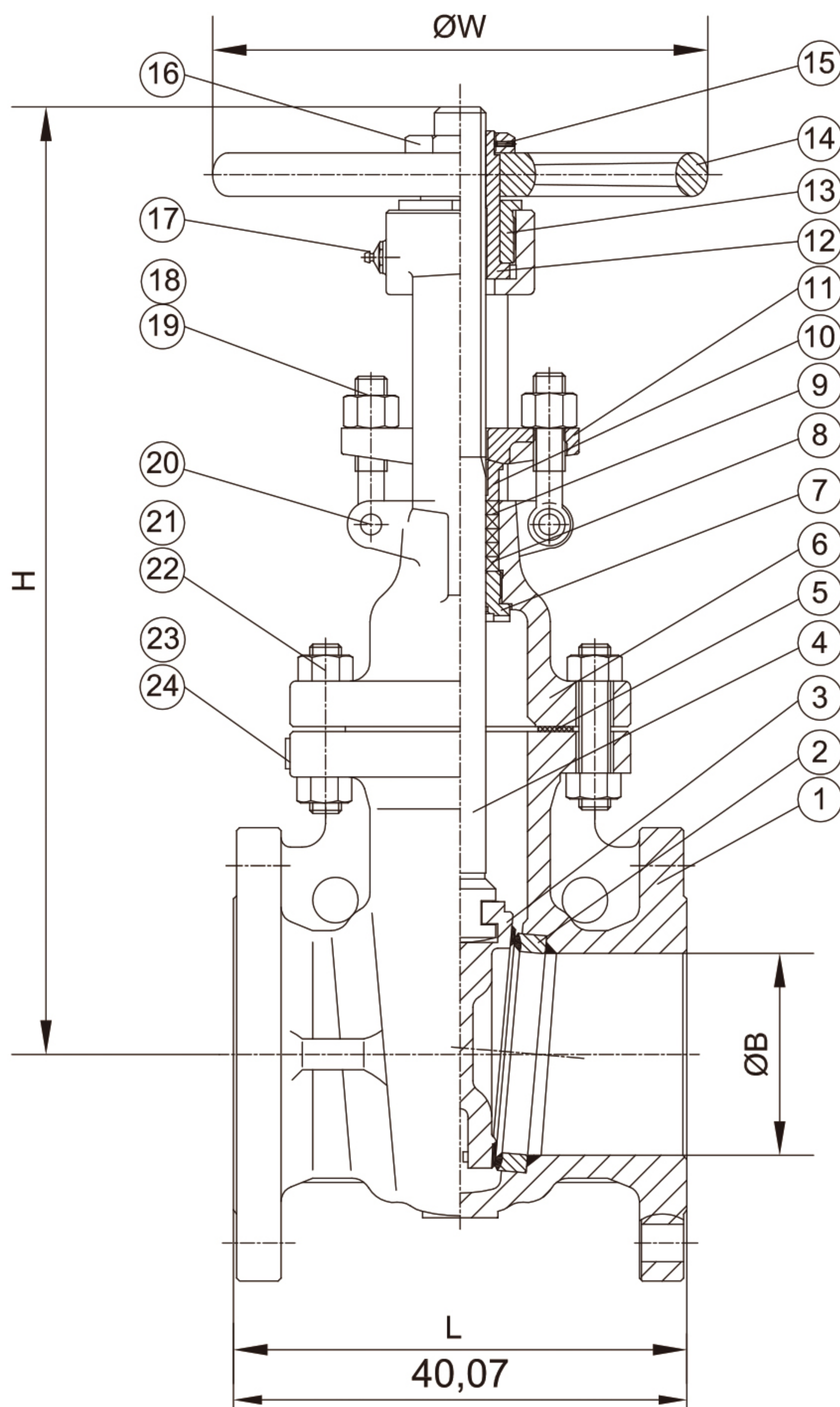
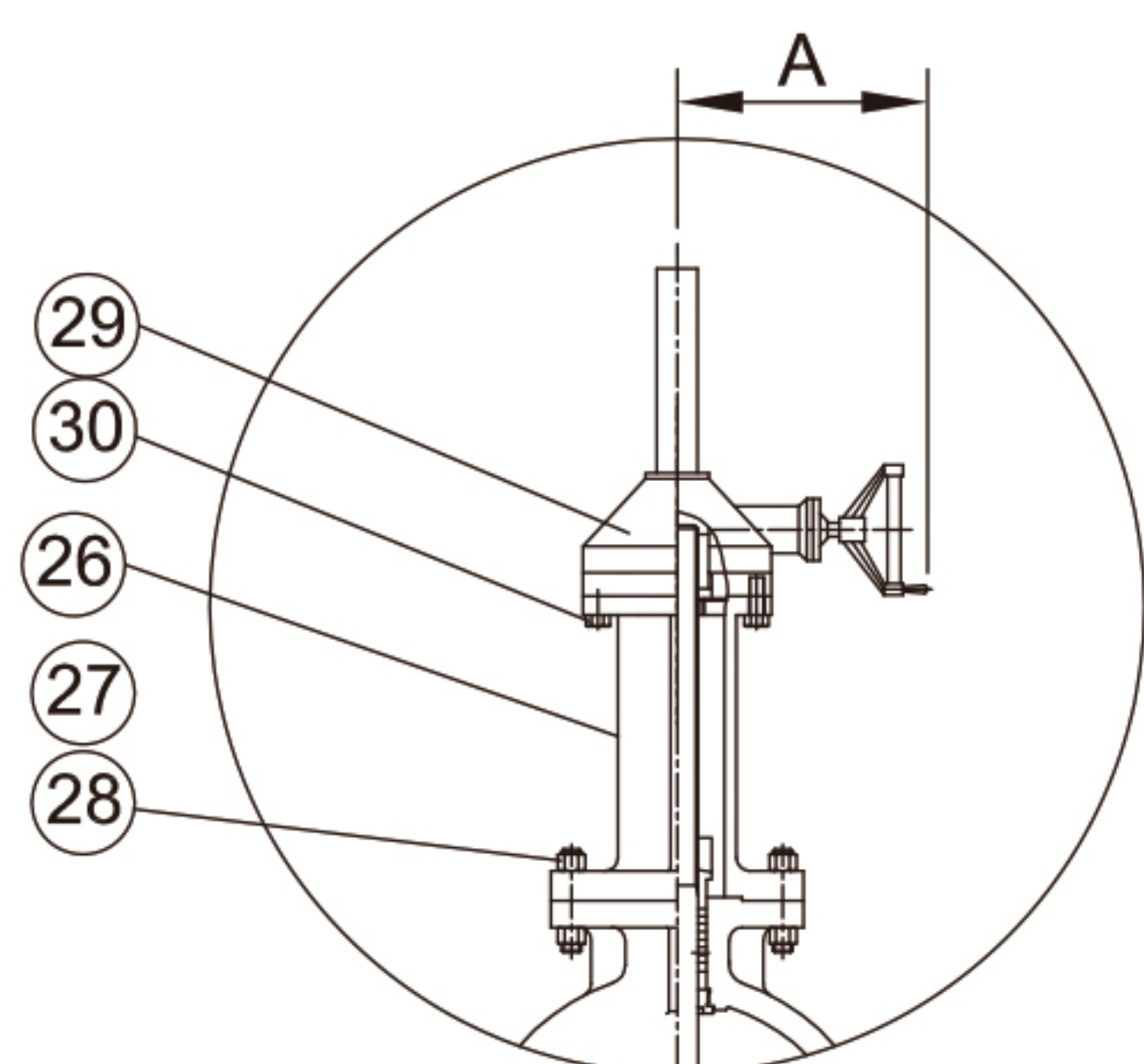


Gate Valve-Class 150

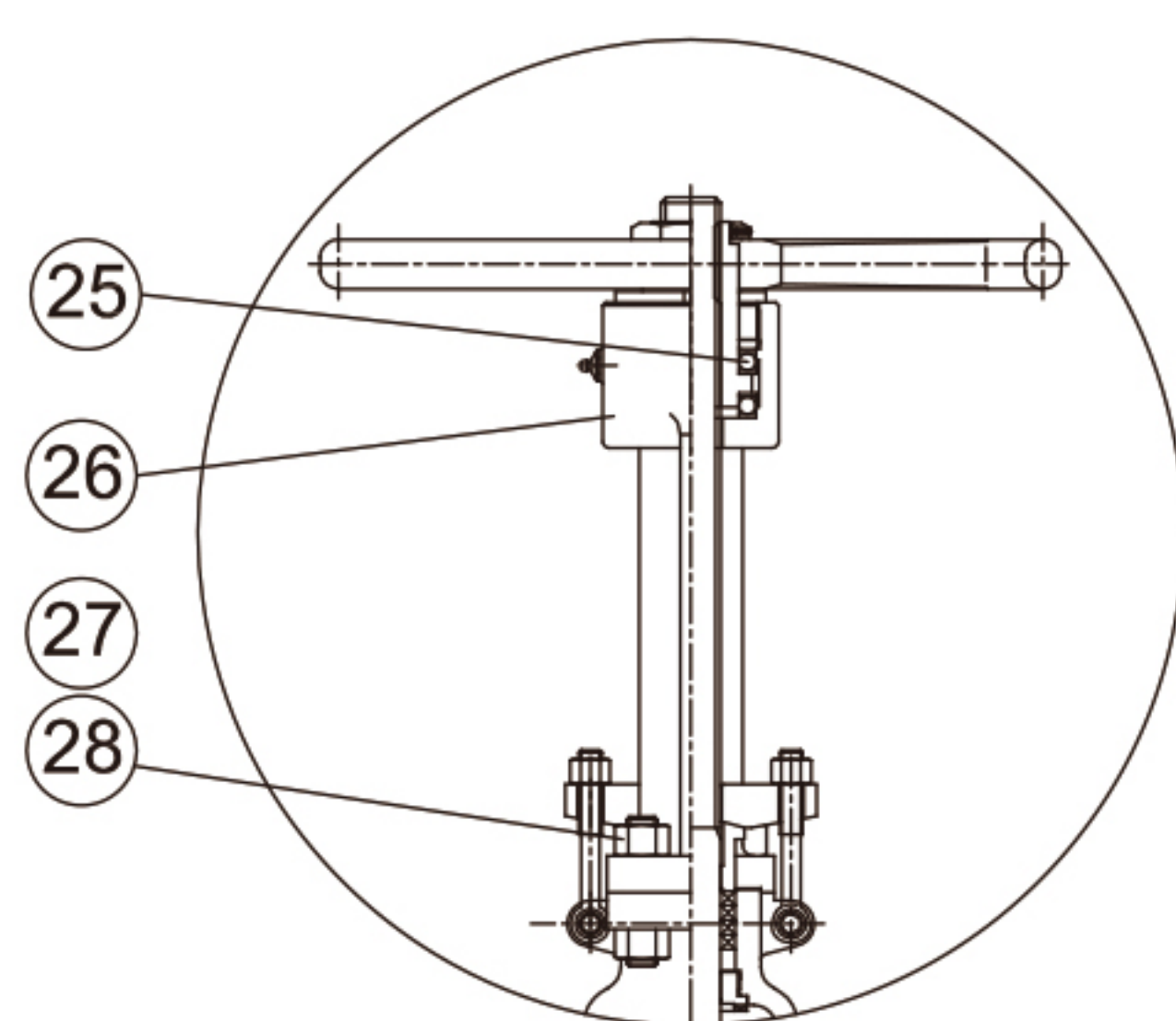


Standards	
Basic Design	API 600
Face To Face Dimensions	ASME B16.10
End Flange Dimensions	ASME B16.5 ASME B16.47-A&B(≥ 26") ASME B16.25
Test Standard	API 598

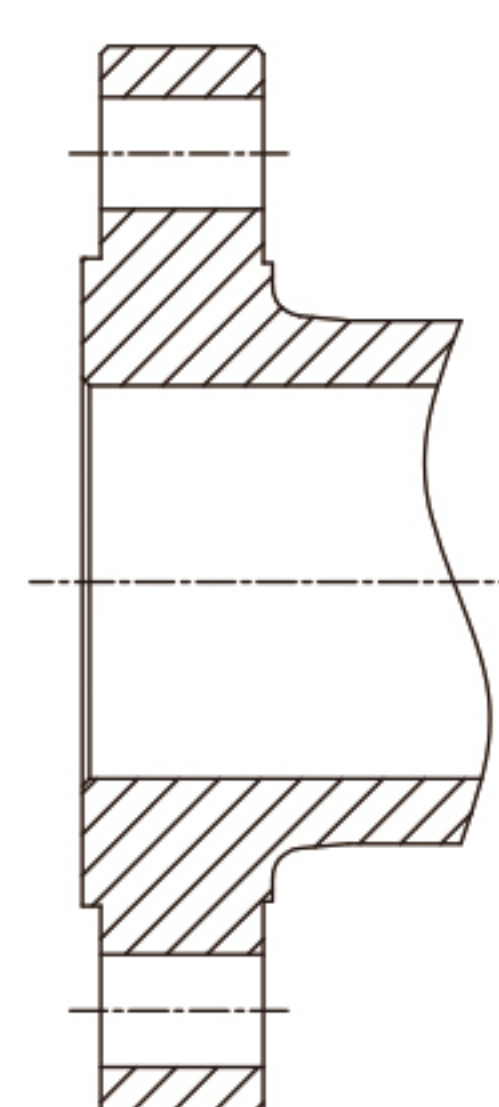
MATERIAL LIST						
NO.	Part Name	ASTM Specification(Specs-Grades/Types)				
		A216	A352	A217		A351
		WCB	LCC	WC6	C5	CF8M
1	Body	A216 WCB	A352 LCC	A217 WC6	A217 C5	A351 CF8M
2	Seat Ring	A105,A350 LF2,A182 F11,A182 F5,A182 F304 or A182 F316				
	Seat Ring Surface	13CR(ER410),HF(STL.6/CoCr-A),304,316 or Monel				
3	Wedge	A216 WCB	A352 LCC	A217 WC6	A217 C5	A351 CF8M
	Wedge Seating Surface	13CR(ER410),HF(STL.6/CoCr-A),304,316 or Monel				
4	Stem	A182 F6a,A182 F304,A182 F316,17-4PH or Monel				
5	Gasket	08F , F304 or F316+FLEXIBLE GRAPHITE				
6	Bonnet	A216 WCB	A352 LCC	A217 WC6	A217 C5	A351 CF8M
7	Back Seat	A276 410,A182 F304,A182 F316 or Monel				
8	Packing	F304+GRAPHITE+C.I.				
9	Packing	FLEXIBLE GRAPHITE+C.I.				
10	Gland	A276 410,A182 F304,A182 F316 or Monel				
11	Gland Flange	A216 WCB	A352 LCC	A217 WC6	A217 C5	A351 CF8M
12	Stem Nut	A439-D2				
13	Gland Nut	CARBON STEEL				A276 Type 316
14	Handwheel	DUCTILE IRON				
15	Screw	CARBON STEEL				316
16	Lock Nut	CARBON STEEL				A276 Type 316
17	Grease Nipple	CARBON STEEL or A182 F316				
18	Eye Bolt	A193 B7	A320 L7	A193 B16	A193 B16	A193 B8
19	Eye Nut	A194 2H	A194 4	A194 4	A194 4	A194 8
20	Pin	CARBON STEEL				A276 Type 316
21	Bolt	A193 B7	A320 L7	A193 B16	A193 B16	A193 B8
22	Nut	A194 2H	A194 4	A194 4	A194 4	A194 8
23	Rivet	AISI 304				
24	Name Plate	AISI 304				
25	Axletree	CARBON STEEL				
26	Yoke	A216 WCB	A352 LCC	A217 WC6	A217 C5	A351 CF8M
27	Yoke Bolt	A193 B7	A320 L7	A193 B16	A193 B16	A193 B8
28	Yoke Nut	A194 2H	A194 4	A194 4	A194 4	A194 8
29	Gear Box	CARBON STEEL				
30	Hex Bolt	CARBON STEEL				316



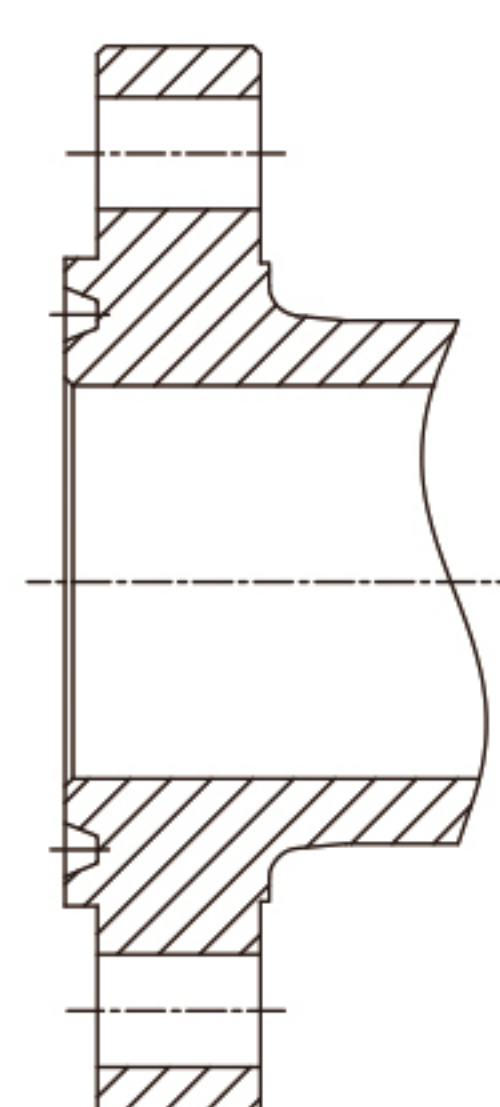
SIZE≥ 14"



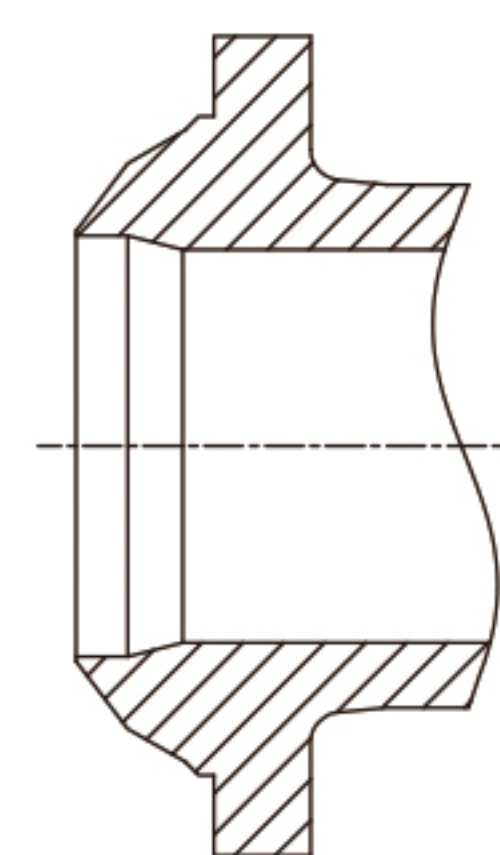
SIZE≥ 14"



RF



RTJ



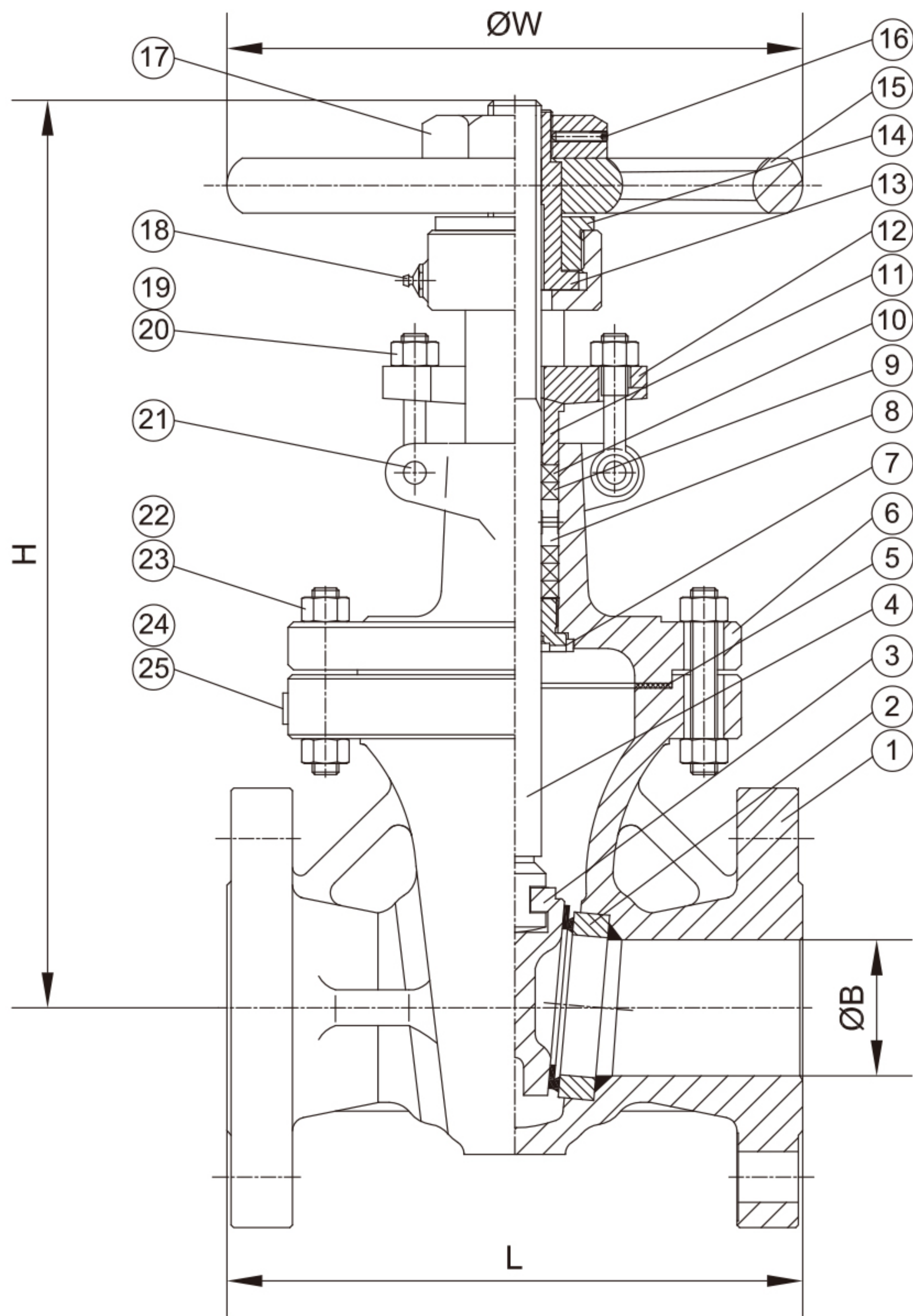
BW

DIMENSIONS AND WEIGHTS																						
SIZE	NPS	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	32	34	36	42
L (RF)	In	7.00	7.50	8.00	9.00	10.00	10.50	11.50	13.00	14.00	15.00	16.00	17.00	18.00	20.00	22.00	24.00	24.00	26.00	28.00	28.00	31.00
	Mm	178	190	203	229	254	267	292	330	356	381	406	432	457	508	559	610	610	660	711	711	787.4
L (RTJ)	In	7.50	8.00	8.50	9.50	10.50	11.00	12.00	13.50	14.50	15.50	16.50	17.50	18.50	20.50	-	-	-	-	-	-	-
	Mm	191	203	216	241	267	279	305	343	368	394	419	445	470	521	-	-	-	-	-	-	-
L (BW)	In	8.50	9.50	11.12	12.00	15.00	15.88	16.50	18.00	19.75	22.50	24.00	26.00	28.00	32.00	34.00	36.00	36.00	38.00	40.00	40.00	-
	Mm	216	241	283	305	381	403	419	457	502	572	610	660	711	813	864	914	914	965	1016	1016	-
A	In	-	-	-	12.20	-	12.20	12.20	12.20	13.58	13.58	13.58	16.54	16.54	16.54	19.88	19.88	19.88	19.88	19.88	24.02	24.02
	Mm	-	-	-	310	-	310	310	310	345	345	345	420	420	420	505	505	505	505	505	610	610
B	In	2.00	2.52	3.00	4.00	5.00	6.00	8.00	10.00	12.00	13.25	15.25	17.25	19.25	23.25	25.31	27.25	29.25	30.75	32.75	34.49	40.24
	Mm	51	64	76	102	127	152	203	254	305	337	387	438	489	591	643	692	743	781	832	876	1022
H	In	13.00	14.02	15.75	18.70	21.30	23.43	29.02	34.53	40.08	45.71	50.47	56.93	63.11	73.35	80.00	87.99	90.63	98.35	102.13	107.68	131.02
	Mm	330	356	400	475	541	595	737	877	1018	1161	1282	1446	1603	1863	2032	2235	2302	2498	2594	2735	3328
W	In	7.87	9.84	9.84	9.84	11.81	11.81	13.78	15.75	17.72	19.69	22.05	25.20	25.20	28.35	27.95	27.95	27.95	27.95	27.95	31.50	31.50
	Mm	200	250	250	250	300	300	350	400	450	500	560	640	640	720	710*	710*	710*	710*	710*	800*	800*
WT	KG	18	27	34	50	64	78	122	180	260	383	503	600	748	1129	1610	1750	1958	2840	3100	3305	5400
	LB	40	60	75	110	141	171	269	397	573	844	1108	1322	1649	2489	3550	3858	4317	6261	6834	7286	11905

*GEAR OPERATOR RECOMMENDED.

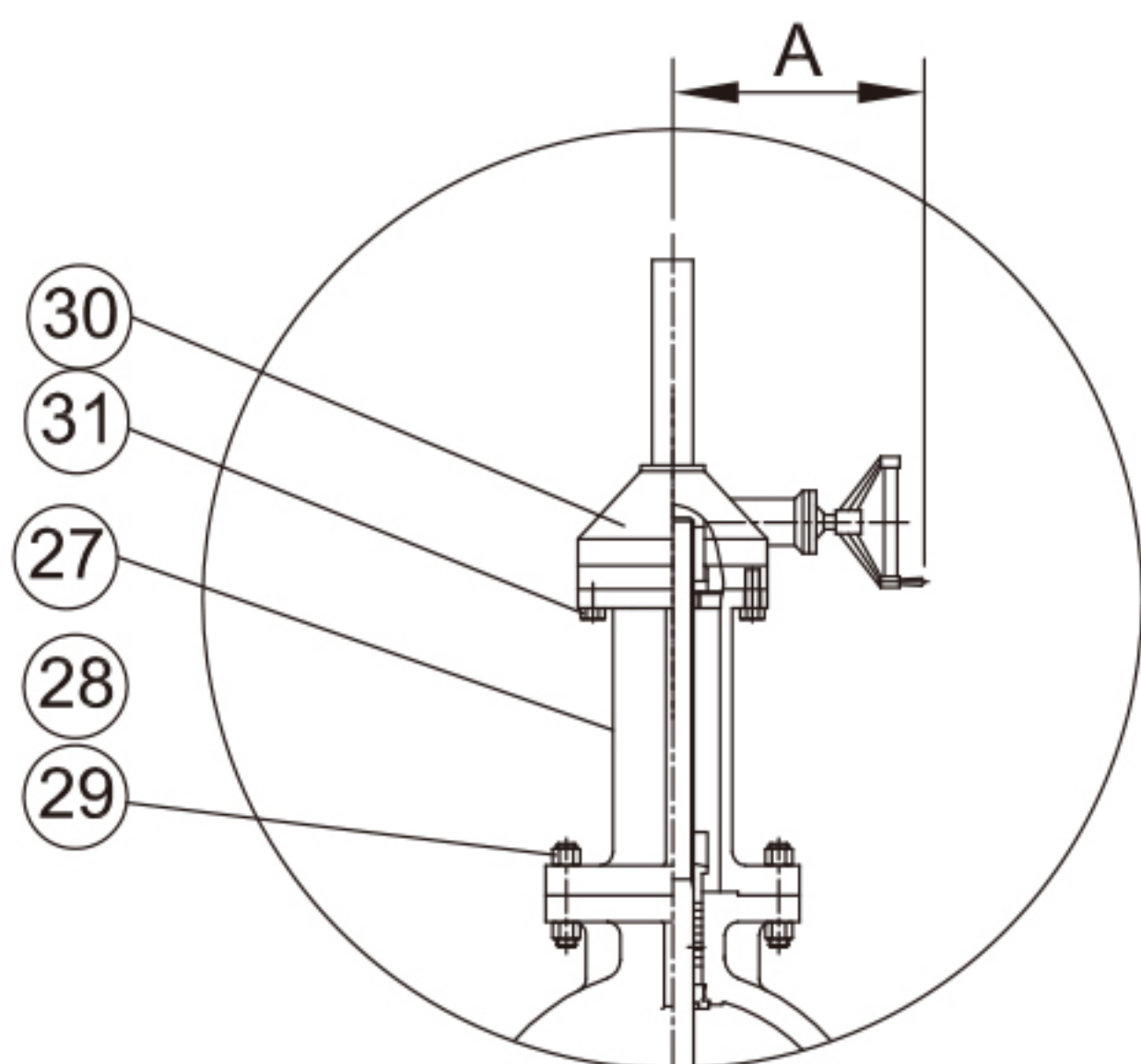


Gate Valve-Class 300

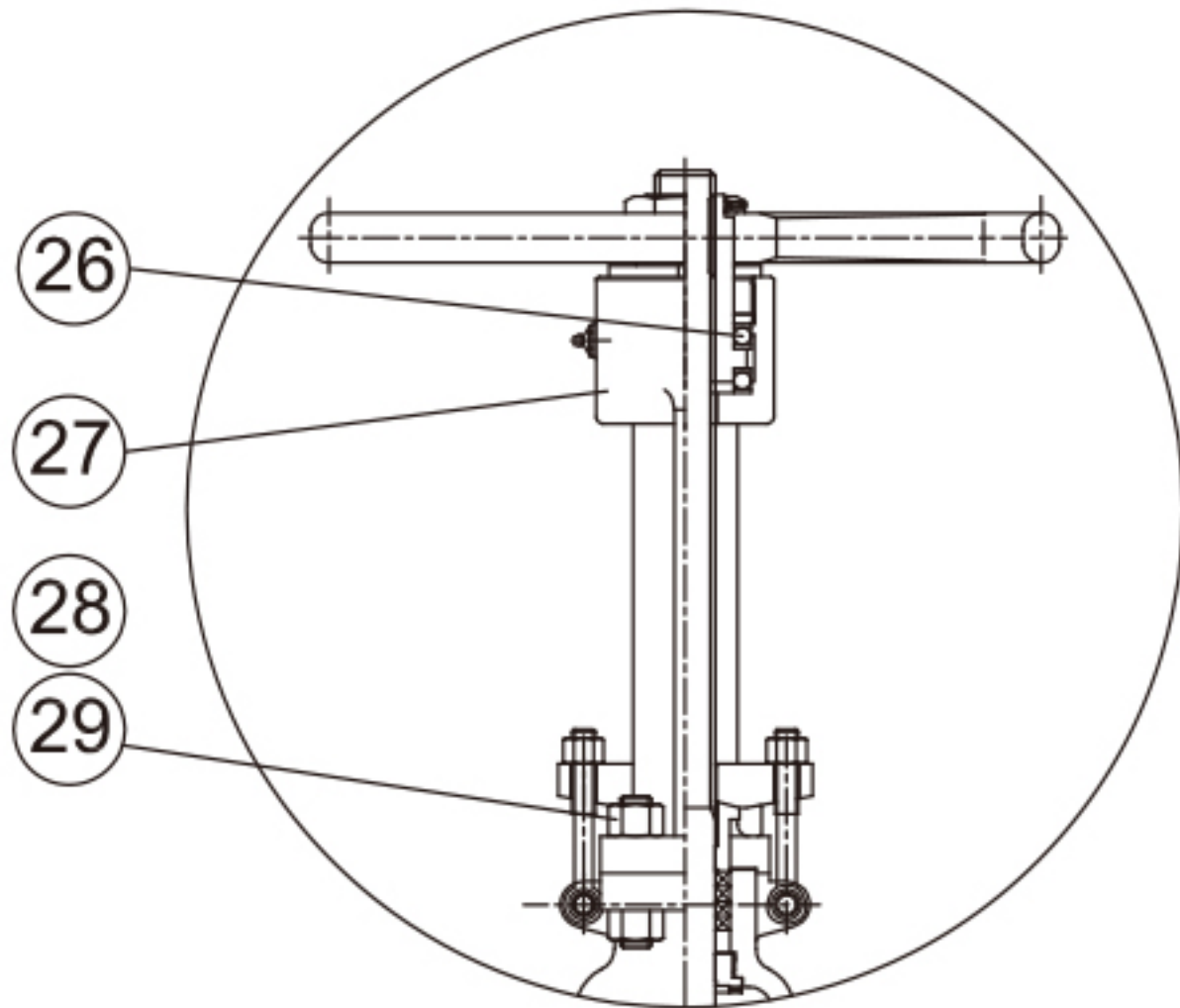


Standards	
Basic Design	API 600
Face To Face Dimensions	ASME B16.10
End Flange Dimensions	ASME B16.5 ASME B16.47-A&B(≥ 26") ASME B16.25
Test Standard	API 598

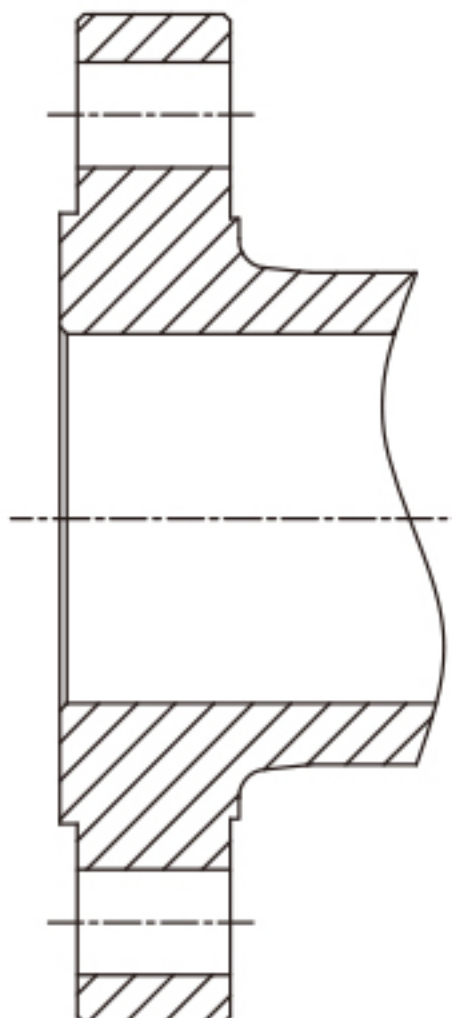
MATERIAL LIST						
NO.	Part Name	ASTM Specification(Specs-Grades/Types)				
		A216	A352	A217		A351
		WCB	LCC	WC6	C5	CF8M
1	Body	A216 WCB	A352 LCC	A217 WC6	A217 C5	A351 CF8M
2	Seat Ring	A105,A350 LF2,A182 F11,A182 F5,A182 F304 or A182 F316				
	Seat Ring Surface	13CR(ER410),HF(STL.6/CoCr-A),304,316 or Monel				
3	Wedge	A216 WCB	A352 LCC	A217 WC6	A217 C5	A351 CF8M
	Wedge Seating Surface	13CR(ER410),HF(STL.6/CoCr-A),304,316 or Monel				
4	Stem	A182 F6a,A182 F304,A182 F316,17-4PH or Monel				
5	Gasket	08F , F304 or F316+FLEXIBLE GRAPHITE				
6	Bonnet	A216 WCB	A352 LCC	A217 WC6	A217 C5	A351 CF8M
7	Back Seat	A276 410,A182 F304,A182 F316 or Monel				
8	Distance Ring	A276 410,A182 F304,A182 F316 or Monel				
9	Packing	F304+GRAPHITE+C.I.				
10	Packing	FLEXIBLE GRAPHITE+C.I.				
11	Gland	A276 410,A182 F304,A182 F316 or Monel				
12	Gland Flange	A216 WCB	A352 LCC	A217 WC6	A217 C5	A351 CF8M
13	Stem Nut	A439-D2				
14	Gland Nut	CARBON STEEL				A276 Type 316
15	Handwheel	DUCTILE IRON				
16	Screw	CARBON STEEL				316
17	Lock Nut	CARBON STEEL				A276 Type 316
18	Grease Nipple	CARBON STEELor A182 F316				
19	Eye Bolt	A193 B7	A320 L7	A193 B16	A193 B16	A193 B8
20	Eye Nut	A194 2H	A194 4	A194 4	A194 4	A194 8
21	Pin	CARBON STEEL				A276 Type 316
22	Bolt	A193 B7	A320 L7	A193 B16	A193 B16	A193 B8
23	Nut	A194 2H	A194 4	A194 4	A194 4	A194 8
24	Rivet	AISI 304				
25	Name Plate	AISI 304				
26	Axletree	CARBON STEEL				
27	Yoke	A216 WCB	A352 LCC	A217 WC6	A217 C5	A351 CF8M
28	Yoke Bolt	A193 B7	A320 L7	A193 B16	A193 B16	A193 B8
26	Yoke Nut	A194 2H	A194 4	A194 4	A194 4	A194 8
30	Gear Box	CARBON STEEL				
31	Hex Bolt	CARBON STEEL				316



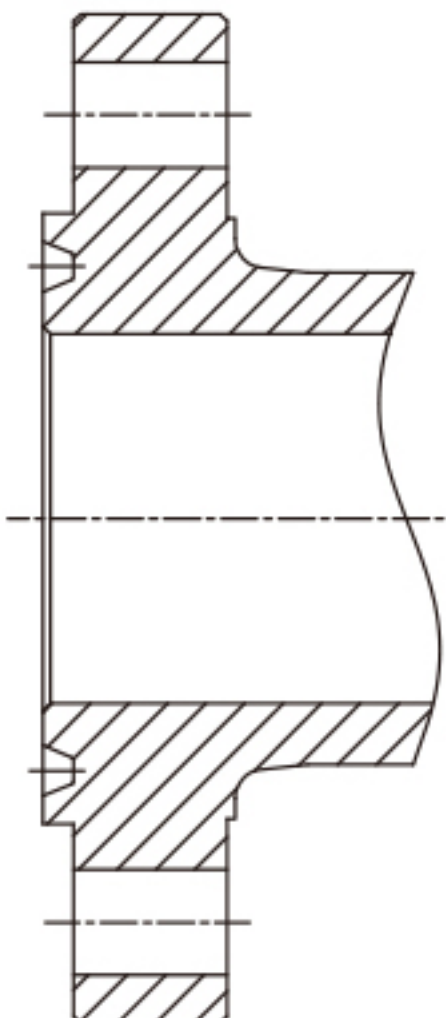
SIZE≥ 12"



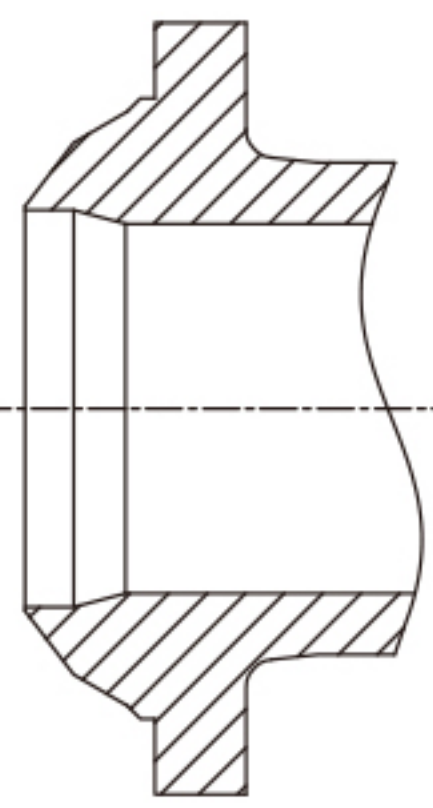
SIZE≥ 12"



RF



RTJ



BW

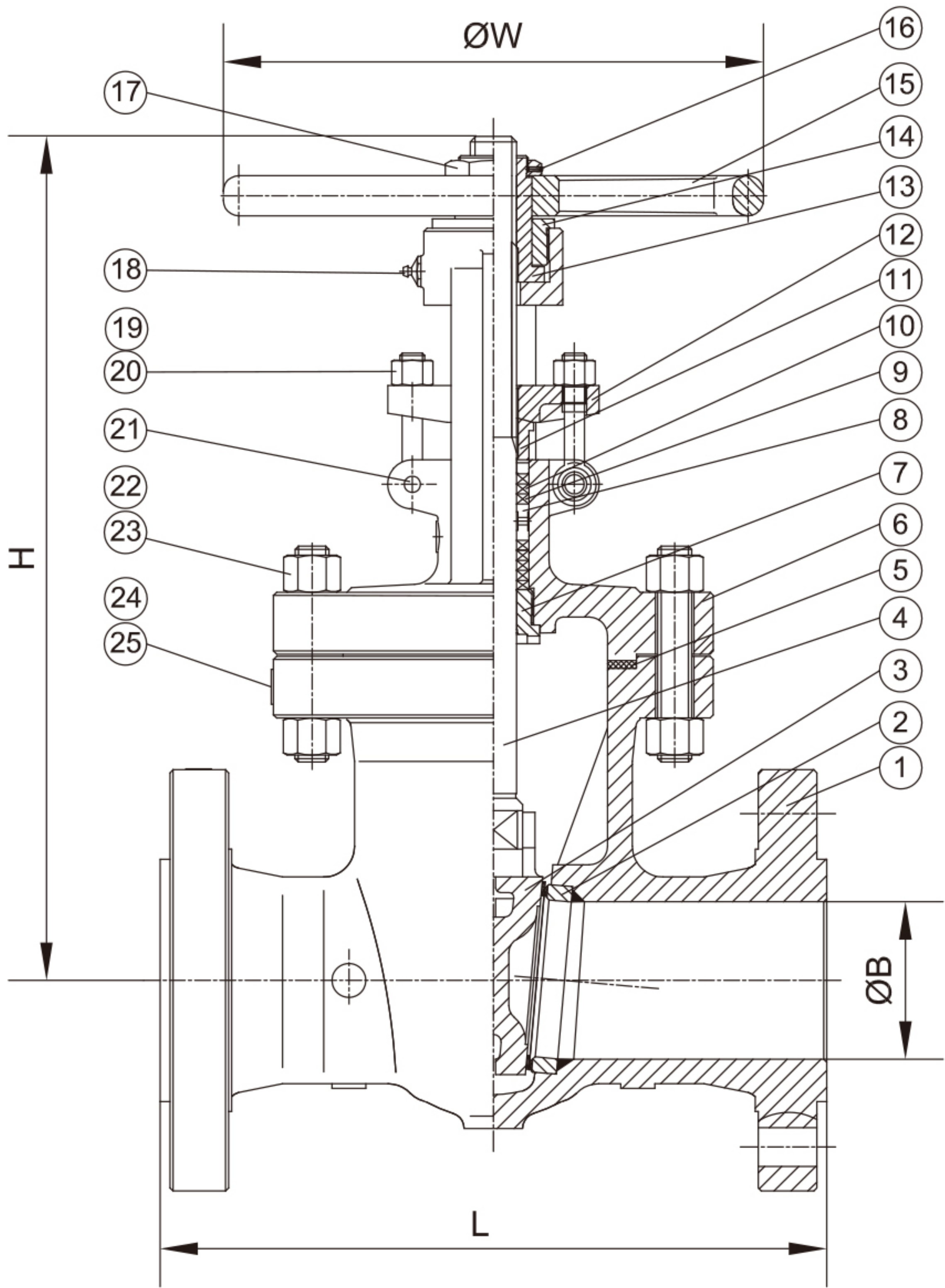
DIMENSIONS AND WEIGHTS																			
SIZE	NPS	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	26	28	30	36
L (RF-BW)	In	8.50	9.50	11.12	12.00	15.00	15.88	16.50	18.00	19.75	30.00	33.00	36.00	39.00	45.00	49.00	53.00	55.00	68.00
	Mm	216	241	283	305	381	403	419	457.2	502	762	838	914	991	1143	1244.6	1346.2	1397	1727
L (RTJ)	In	9.12	10.12	11.74	12.62	15.62	16.50	17.12	18.62	20.37	30.62	33.62	36.62	39.75	45.88	-	-	-	-
	Mm	232	257	298	321	397	419	435	473	518	778	854	930	1010	1165	-	-	-	-
A	In	-	-	-	12.20	-	12.20	12.20	13.58	13.58	13.58	16.54	16.54	16.54	19.88	19.88	24.02	24.02	24.02
	Mm	-	-	-	310	-	310	310	345	345	345	420	420	420	505	505	610	610	610
B	In	2.00	2.52	3.00	4.00	5.00	6.00	8.00	10.00	12.00	13.25	15.25	17.00	19.02	23.00	25.00	27.00	29.00	34.49
	Mm	51	64	76	102	127	152	203	254	305	337	387	432	483	584	635	686	736.6	876
H	In	14.06	14.80	17.32	19.84	22.13	25.87	30.59	36.30	42.48	46.61	52.24	59.57	64.29	75.43	82.68	92.05	102.56	110.04
	Mm	357	376	440	504	562	657	777	922	1079	1184	1327	1513	1633	1916	2100	2338	2605	2795
W	In	7.87	9.84	9.84	11.81	11.81	13.78	15.75	17.72	19.69	22.05	25.20	25.20	28.35	28.35	27.95	31.50	31.50	31.50
	Mm	200	250	250	300	300	350	400	450	500	560	640	640	720	720	710*	800*	800*	800*
WT	KG	26	36	50	70	97	144	208	296	466	762	909	1186	1496	2497	3200	3450	4200	6050
	LB	57	79	110	154	214	318	458	652	1028	1680	2004	2615	3298	5505	7055	7606	9260	13338

*GEAR OPERATOR RECOMMENDED.

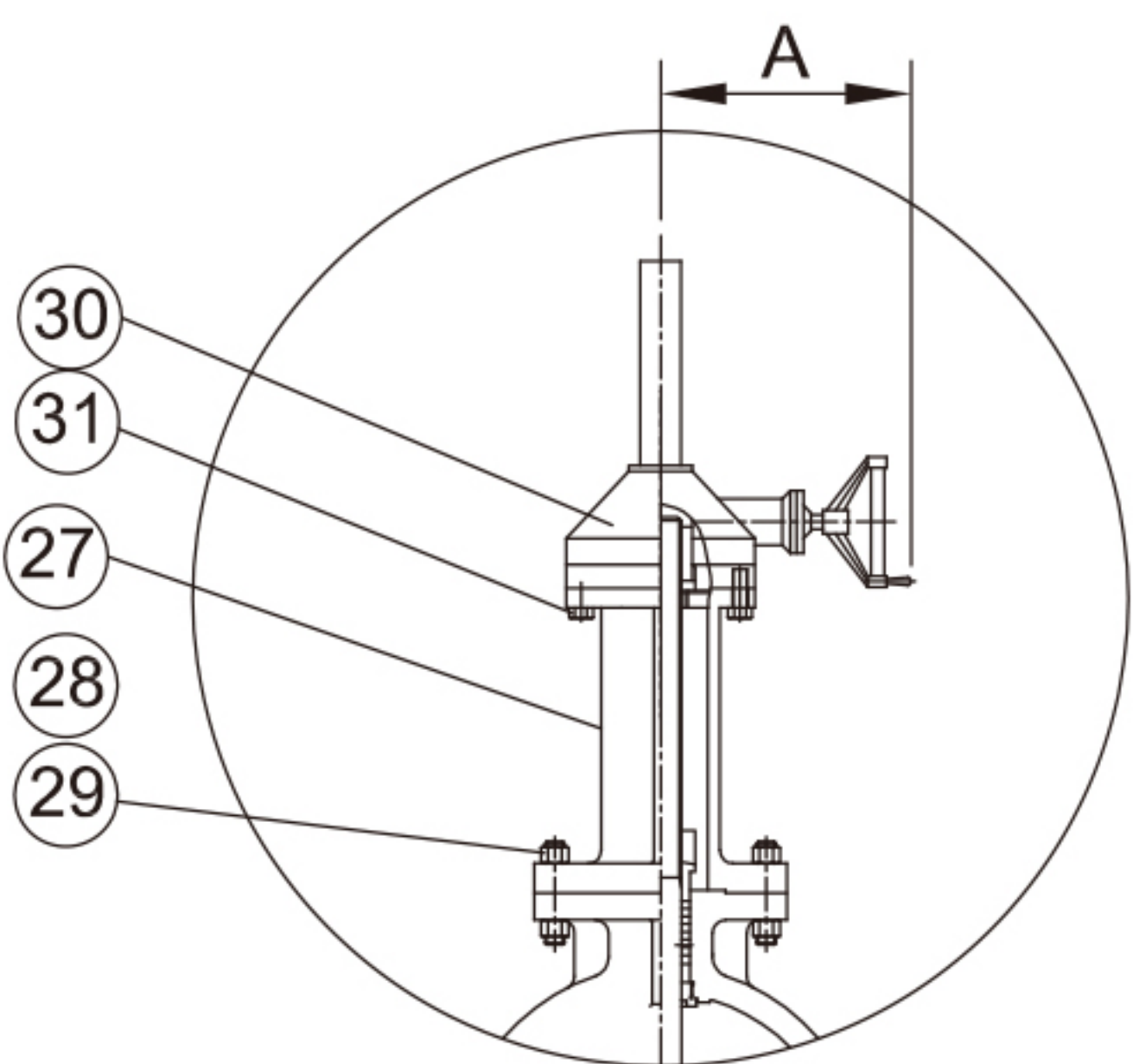


Gate Valve-Class 600

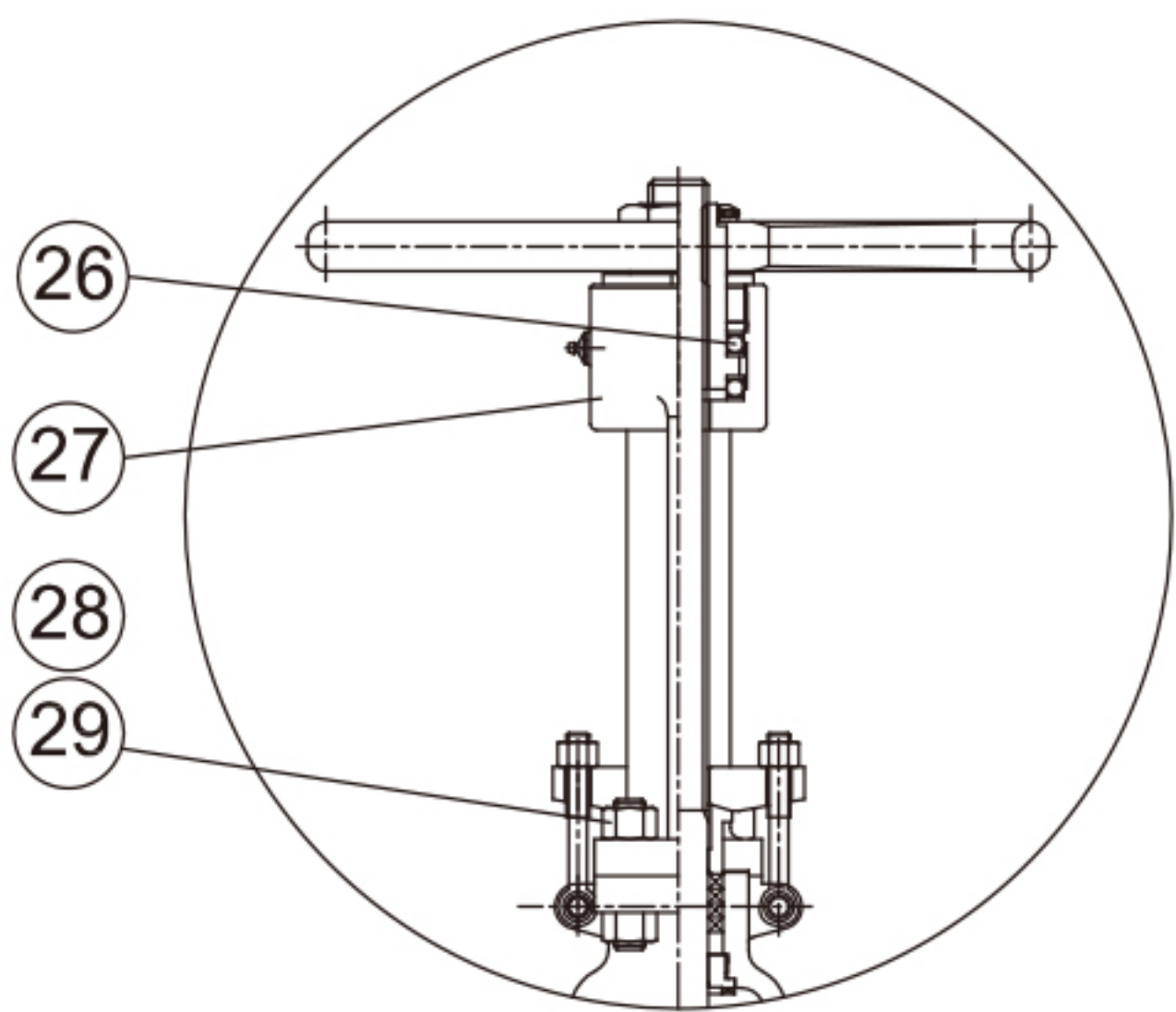
Standards	
Basic Design	API 600
Face To Face Dimensions	ASME B16.10
End Flange Dimensions	ASME B16.5 ASME B16.25
Test Standard	API 598



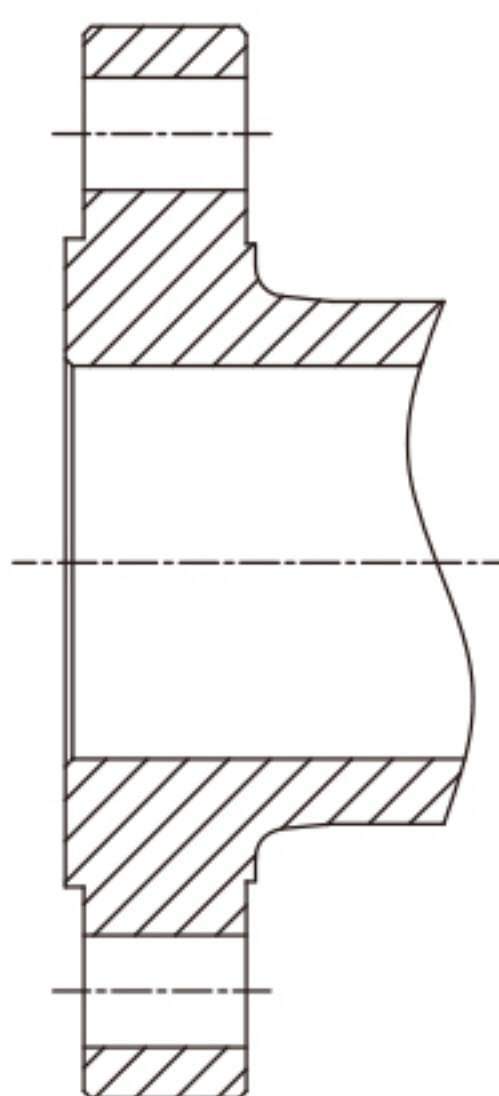
MATERIAL LIST					
NO.	Part Name	ASTM Specification (Specs-Grades/Types)			
		A216	A352	A217	A351
		WCB	LCC	WC6	C5
					CF8M
1	Body	A216 WCB	A352 LCC	A217 WC6	A217 C5
					A351 CF8M
2	Seat Ring	A105,A350 LF2,A182 F11,A182 F5,A182 F304 or A182 F316			
	Seat Ring Surface	13CR(ER410),HF(STL.6/CoCr-A),304,316 or Monel			
3	Wedge	A216 WCB	A352 LCC	A217 WC6	A217 C5
	Wedge Seating Surface	13CR(ER410),HF(STL.6/CoCr-A),304,316 or Monel			
4	Stem	A182 F6a,A182 F304,A182 F316,17-4PH or Monel			
5	Gasket	08F , F304 or F316+FLEXIBLE GRAPHITE			
6	Bonnet	A216 WCB	A352 LCC	A217 WC6	A217 C5
					A351 CF8M
7	Back Seat	A276 410,A182 F304, A182 F316 or Monel			
8	Distance Ring	A276 410,A182 F304, A182 F316 or Monel			
9	Packing	F304+GRAPHITE+C.I.			
10	Packing	FLEXIBLE GRAPHITE+C.I.			
11	Gland	A276 410,A182 F304,A182 F316 or Monel			
12	Gland Flange	A216 WCB	A352 LCC	A217 WC6	A217 C5
					A351 CF8M
13	Stem Nut	A439-D2			
14	Gland Nut	CARBON STEEL			A276 Type 316
15	Handwheel	DUCTILE IRON			
16	Screw	CARBON STEEL			316
17	Lock Nut	CARBON STEEL			A276 Type 316
18	Grease Nipple	CARBON STEEL or A182 F316			
19	Eye Bolt	A193 B7	A320 L7	A193 B16	A193 B16
					A193 B8
20	Eye Nut	A194 2H	A194 4	A194 4	A194 4
					A194 8
21	Pin	CARBON STEEL			A276 Type 316
22	Bolt	A193 B7	A320 L7	A193 B16	A193 B16
					A193 B8
23	Nut	A194 2H	A194 4	A194 4	A194 4
					A194 8
24	Rivet	AISI 304			
25	Name Plate	AISI 304			
26	Axletree	CARBON STEEL			
27	Yoke	A216 WCB	A352 LCC	A217 WC6	A217 C5
					A351 CF8M
28	Yoke Bolt	A193 B7	A320 L7	A193 B16	A193 B16
					A193 B8
26	Yoke Nut	A194 2H	A194 4	A194 4	A194 4
					A194 8
30	Gear Box	CARBON STEEL			
31	Hex Bolt	CARBON STEEL			316



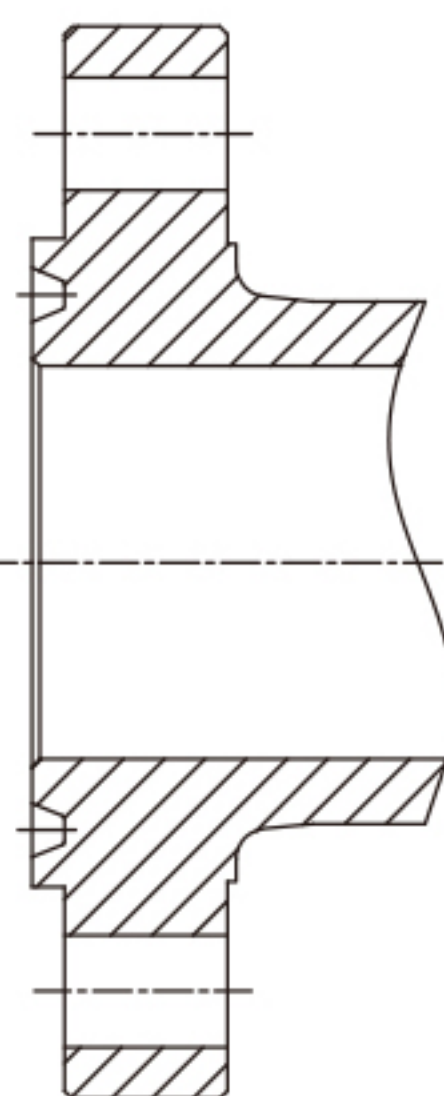
SIZE≥ 8"



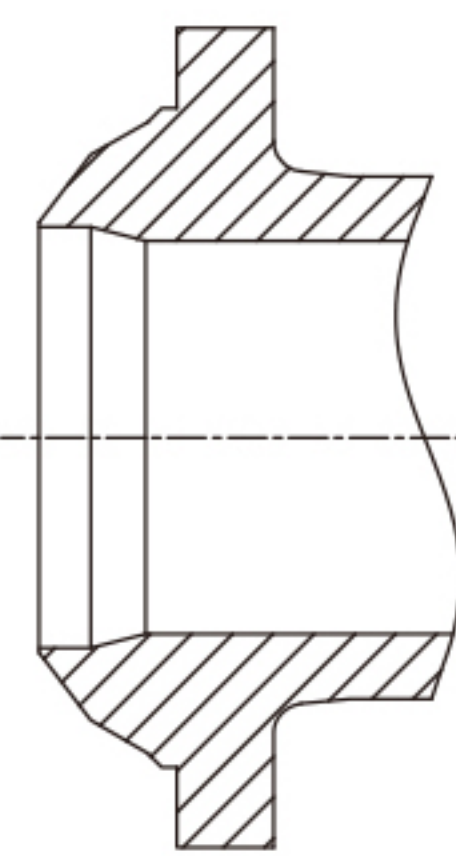
SIZE≥8"



RF



RTJ



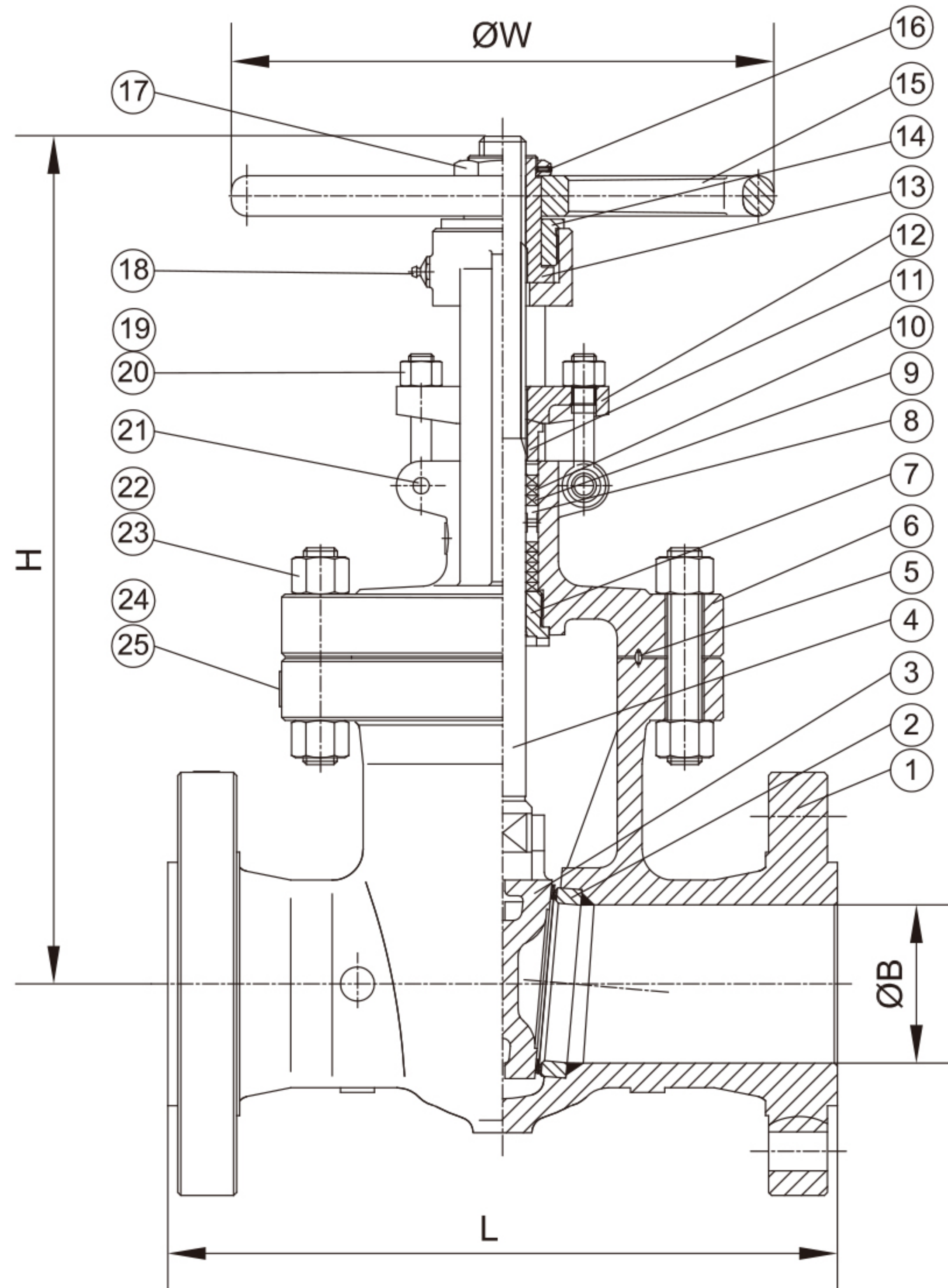
BW

DIMENSIONS AND WEIGHTS															
SIZE	NPS	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
L (RF-BW)	In	11.50	13.00	14.00	17.00	20.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00
	Mm	292	330	356	432	508	559	660	787.4	838	889	991	1092	1194	1397
L (RTJ)	In	11.62	13.11	14.12	17.12	20.12	22.12	26.14	31.14	33.11	35.12	39.13	43.11	47.25	55.35
	Mm	295	333	359	435	511	562	664	791	841	892	994	1095	1200	1406
A	In	-	-	-	12.20	-	13.58	13.58	16.54	16.54	19.88	19.88	19.88	19.88	24.02
	Mm	-	-	-	310	-	345	345	420	420	505	505	505	505	610
B	In	2.00	2.52	3.00	4.00	5.00	6.00	7.87	9.76	11.73	12.87	14.76	16.50	18.27	22.01
	Mm	51	64	76	102	127	152	200	248	298	327	375	419	464	559
H	In	14.69	16.73	17.91	21.46	23.82	26.61	34.84	39.76	45.35	50.55	54.72	58.66	64.96	77.60
	Mm	373	425	455	545	605	676	885	1010	1152	1284	1390	1490	1650	1971
W	In	9.84	9.84	11.81	13.78	15.75	17.72	19.69	25.20	25.20	27.95	27.95	27.95	27.95	31.50
	Mm	250	250	300	350	400	450	500	640	640	710*	710*	710*	710*	800*
WT	KG	33	58	63	108	180	216	460	672	848	1080	1303	1963	2844	3935
	LB	73	129	139	238	397	476	1014	1482	1870	2380	2872	4328	6270	8675

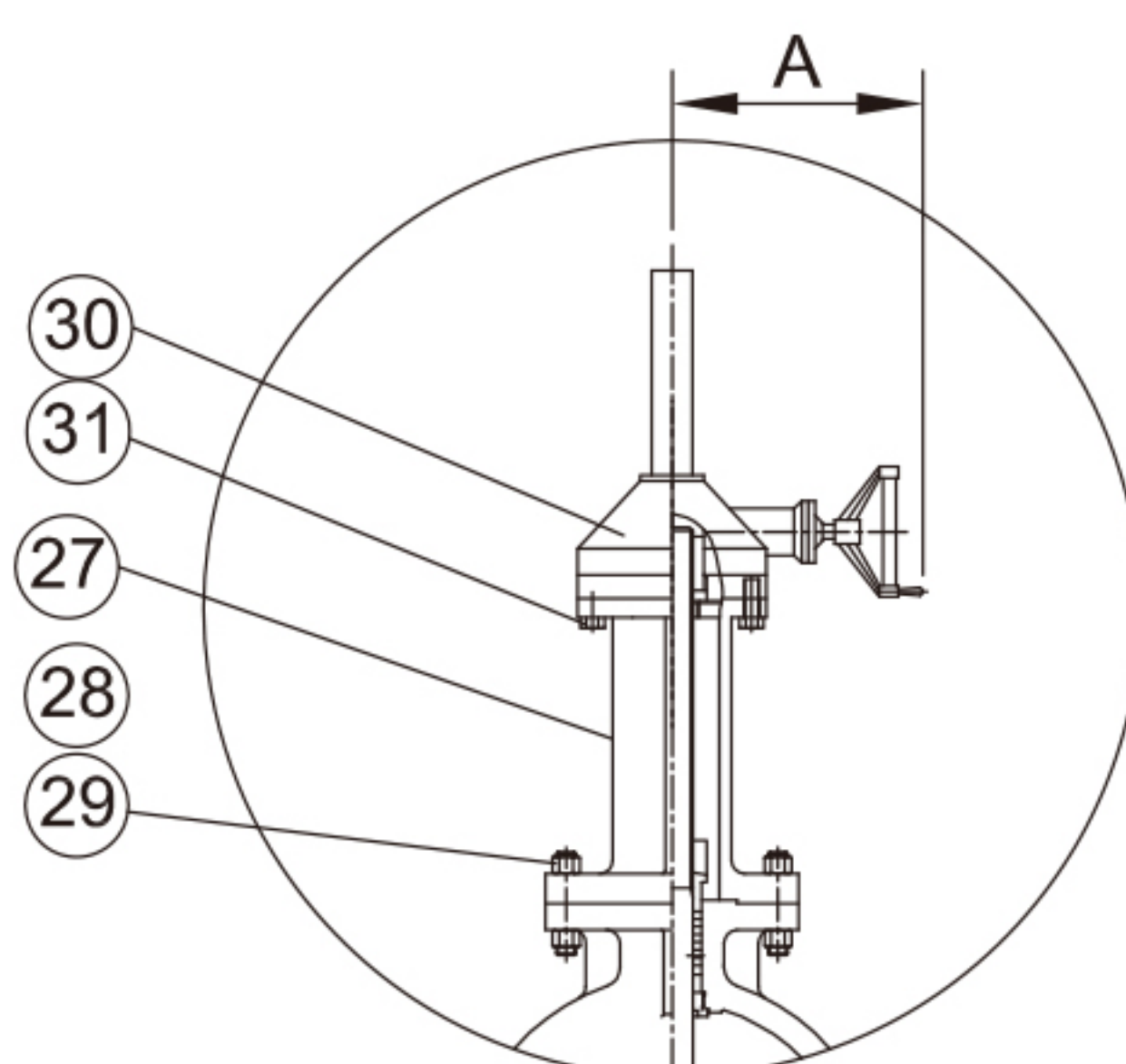
*GEAR OPERATOR RECOMMENDED.

Gate Valve-Class 900

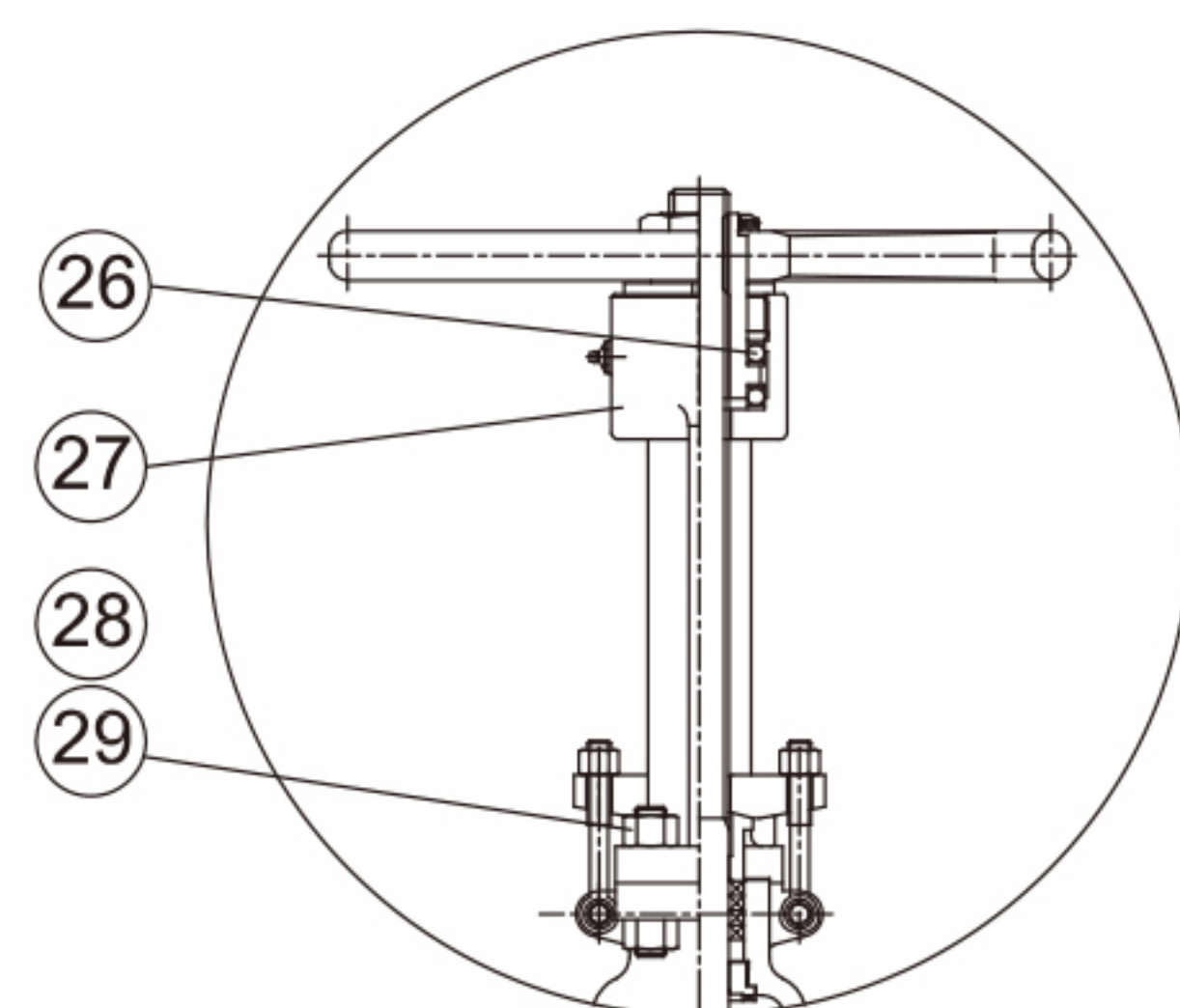
Standards	
Basic Design	API 600
Face To Face Dimensions	ASME B16.10
End Flange Dimensions	ASME B16.5 ASME B16.25
Test Standard	API 598



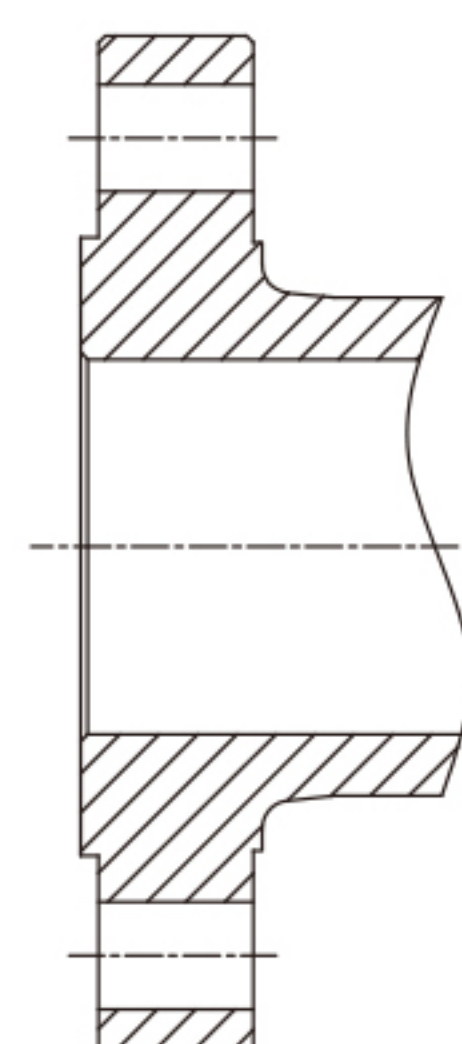
MATERIAL LIST					
NO.	Part Name	ASTM Specification(Specs-Grades/Types)			
		A216 WCB	A352 LCC	A217 WC6 C5	A351 CF8M
1	Body	A216 WCB	A352 LCC	A217 WC6	A217 C5 A351 CF8M
2	Seat Ring	A105,A350 LF2,A182 F11,A182 F5,A182 F304 or A182 F316			
	Seat Ring Surface	13CR(ER410),HF(STL.6/CoCr-A),304,316 or Monel			
3	Wedge	A216 WCB	A352 LCC	A217 WC6	A217 C5 A351 CF8M
	Wedge Seating Surface	13CR(ER410),HF(STL.6/CoCr-A),304,316 or Monel			
4	Stem	A182 F6a,A182 F304,A182 F316,17-4PH or Monel			
5	Gasket	F304 , F316 or SOFT IRON			
6	Bonnet	A216 WCB	A352 LCC	A217 WC6	A217 C5 A351 CF8M
7	Back Seat	A276 410,A182 F304,A182 F316 or Monel			
8	Distance Ring	A276 410,A182 F304,A182 F316 or Monel			
9	Packing	F304+GRAPHITE+C.I.			
10	Packing	FLEXIBLE GRAPHITE+C.I.			
11	Gland	A276 410,A182 F304,A182 F316 or Monel			
12	Gland Flange	A216 WCB	A352 LCC	A217 WC6	A217 C5 A351 CF8M
13	Stem Nut	A439-D2			
14	Gland Nut	CARBON STEEL			
15	Handwheel	DUCTILE IRON			
16	Screw	CARBON STEEL			
17	Lock Nut	CARBON STEEL			
18	Grease Nipple	CARBON STEEL or A182 F316			
19	Eye Bolt	A193 B7	A320 L7	A193 B16	A193 B16 A193 B8
20	Eye Nut	A194 2H	A194 4	A194 4	A194 4 A194 8
21	Pin	CARBON STEEL			
22	Bolt	A193 B7	A320 L7	A193 B16	A193 B16 A193 B8
23	Nut	A194 2H	A194 4	A194 4	A194 4 A194 8
24	Rivet	AISI 304			
25	Name Plate	AISI 304			
26	Axletree	CARBON STEEL			
27	Yoke	A216 WCB	A352 LCC	A217 WC6	A217 C5 A351 CF8M
28	Yoke Bolt	A193 B7	A320 L7	A193 B16	A193 B16 A193 B8
26	Yoke Nut	A194 2H	A194 4	A194 4	A194 4 A194 8
30	Gear Box	CARBON STEEL			
31	Hex Bolt	CARBON STEEL			



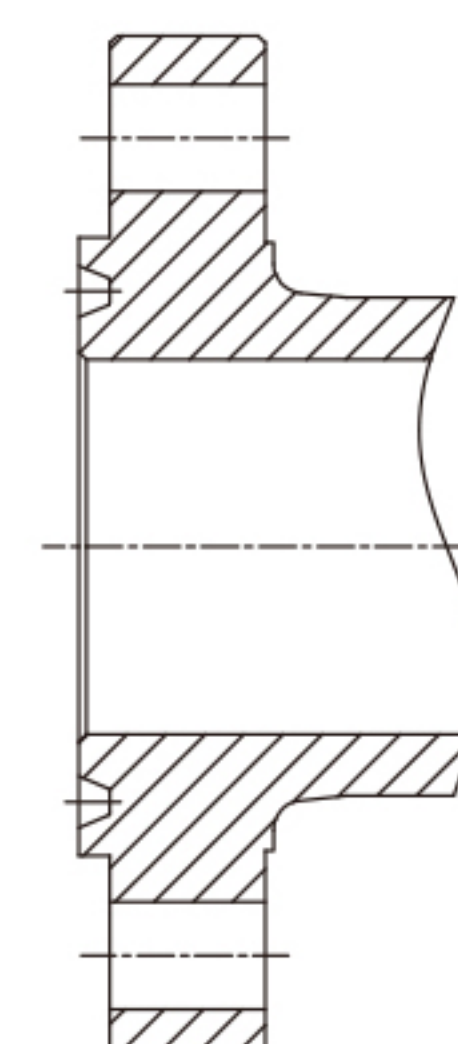
SIZE≥ 6"



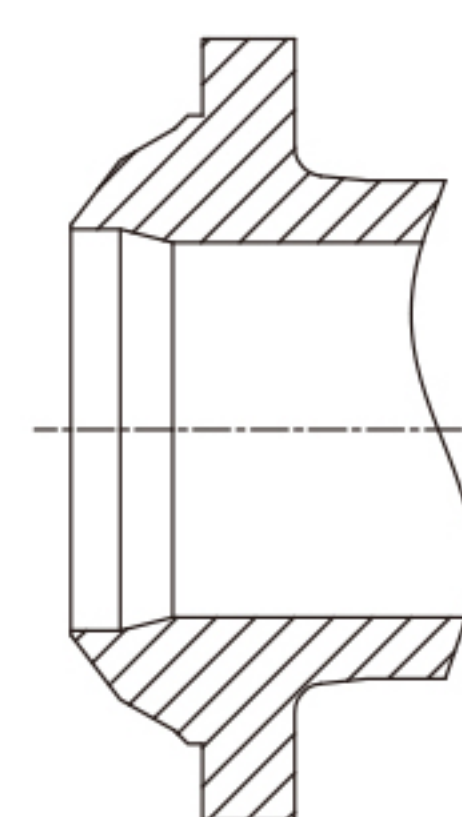
SIZE≥6"



RF



RTJ



BW

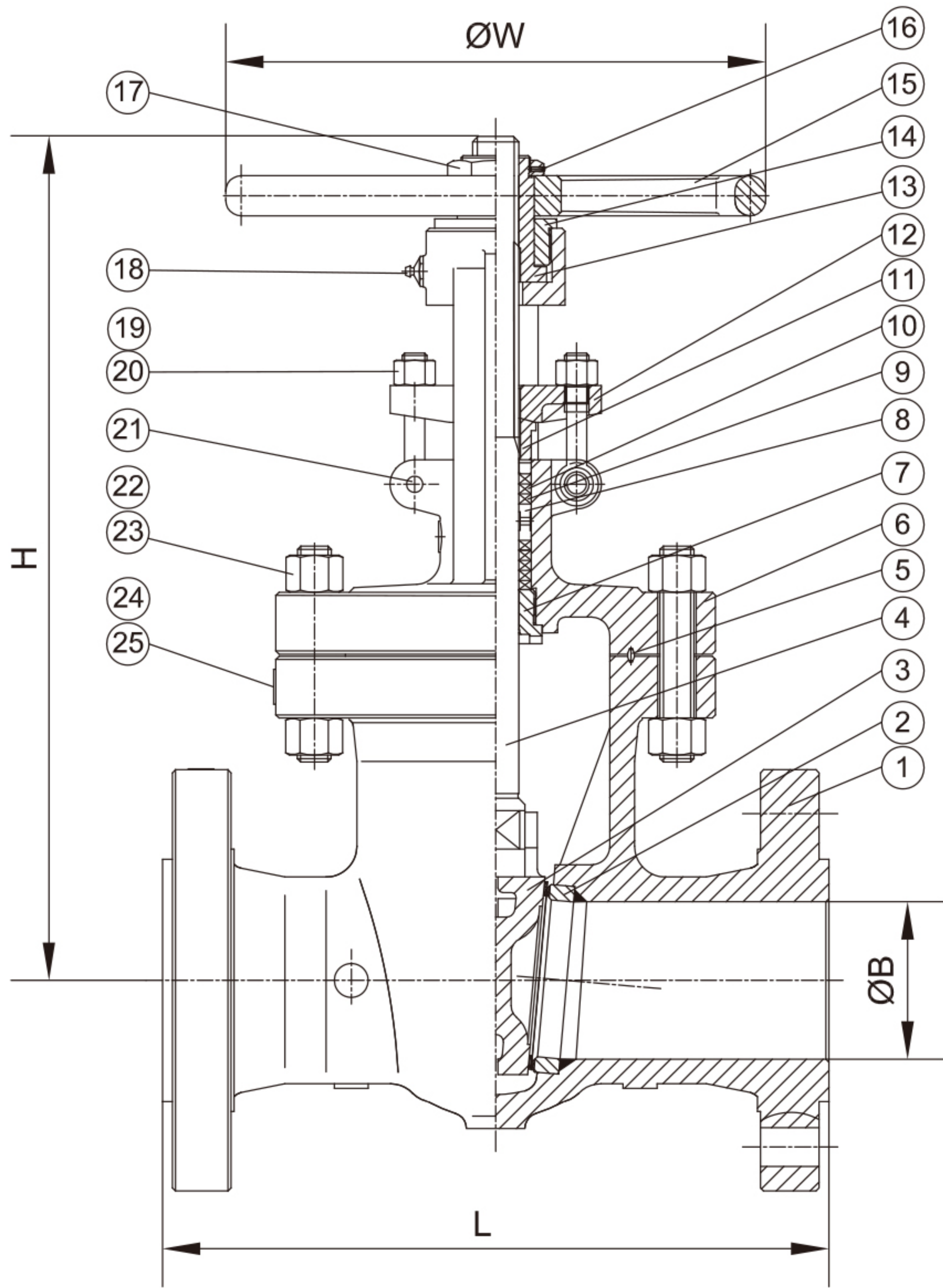
DIMENSIONS AND WEIGHTS														
SIZE	NPS	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
L (RF-BW)	In	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	61.00
	Mm	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1550
L (RTJ)	In	14.61	16.61	15.12	18.11	24.13	29.13	33.11	38.11	40.87	44.88	48.50	52.52	61.73
	Mm	371	422	384	460	613	740	841	968	1038	1140	1232	1334	1568
A	In	-	-	-	-	13.58	16.54	16.54	19.88	19.88	24.02	24.02	24.02	24.02
	Mm	-	-	-	-	345	420	420	505	505	610	610	610	610
B	In	1.89	2.24	2.87	3.86	5.75	7.52	9.37	11.10	12.24	13.98	15.75	17.48	20.98
	Mm	48	57	73	98	146	191	238	282	311	355	400	444	533
H	In	15.75	19.29	19.29	21.46	29.13	35.63	41.02	45.67	49.21	52.36	59.21	65.67	75.98
	Mm	400	490	490	545	740	905	1042	1160	1250	1330	1504	1668	1930
W	In	9.84	11.81	11.81	13.78	18.11	24.02	24.02	27.95	27.95	31.50	31.50	31.50	31.50
	Mm	250	300	300	350	460*	610*	610*	710*	710*	800*	800*	800*	800*
WT	KG	74	88	97	148	344	595	1007	1222	2170	2810	3890	5520	8580
	LB	163	194	214	326	758	1312	2220	2694	4784	6195	8576	12170	18916

*GEAR OPERATOR RECOMMENDED.

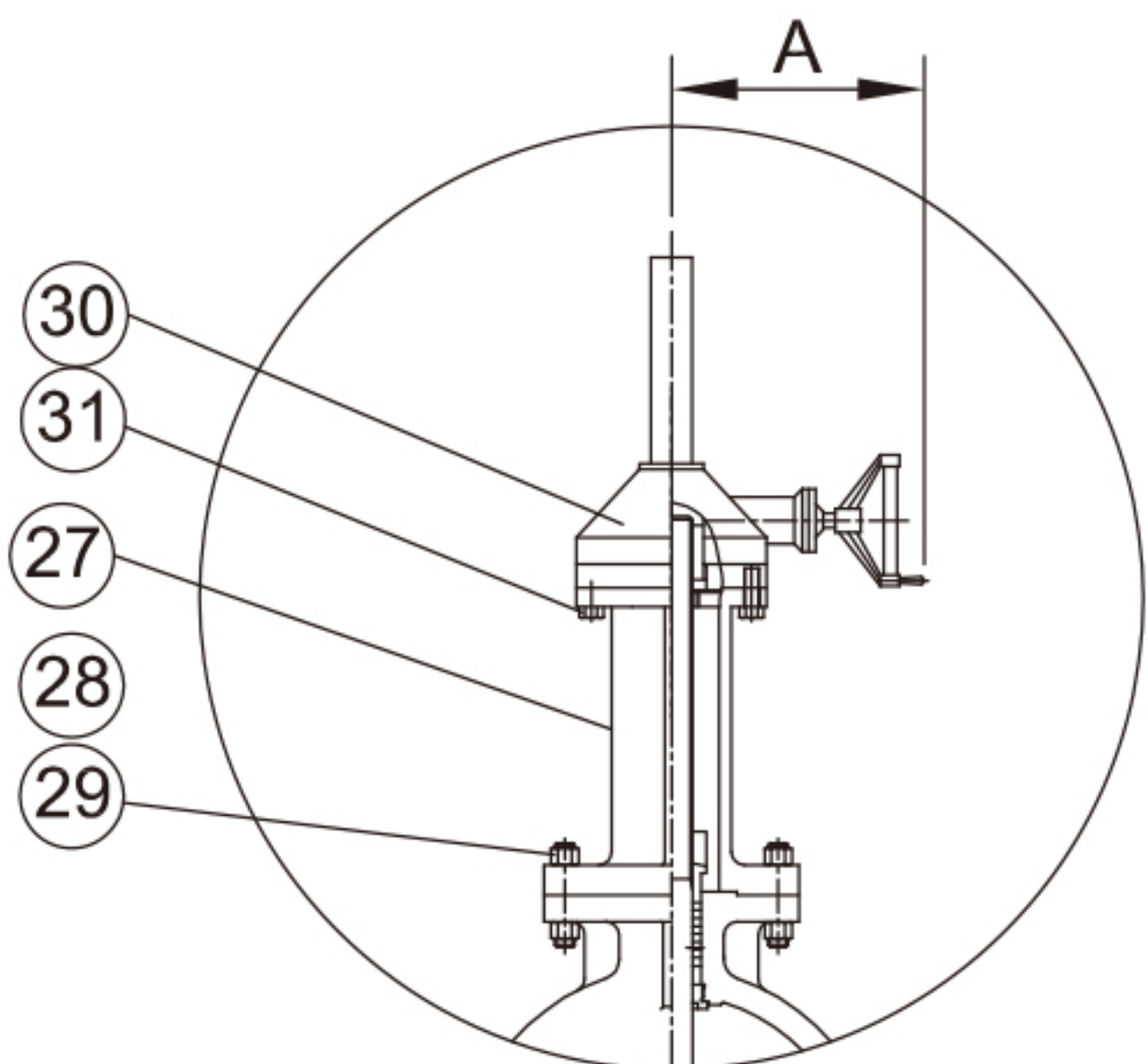


Gate Valve-Class 1500

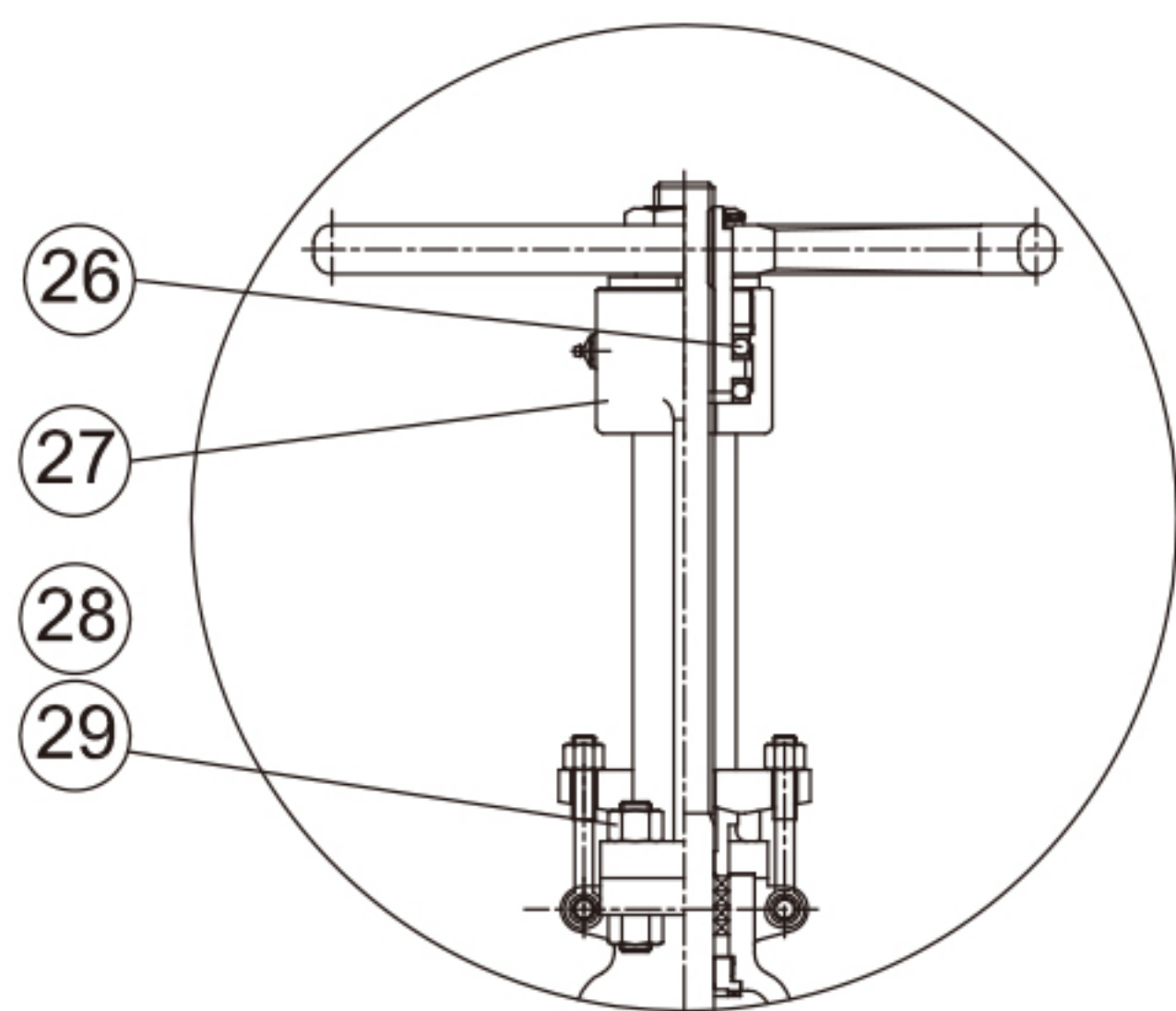
Standards	
Basic Design	API 600
Face To Face Dimensions	ASME B16.10
End Flange Dimensions	ASME B16.5 ASME B16.25
Test Standard	API 598



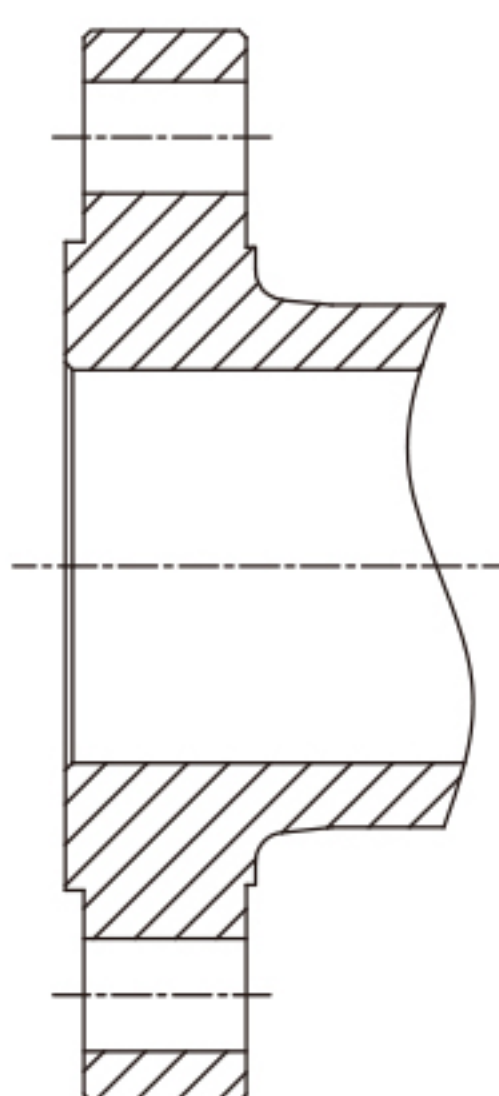
MATERIAL LIST					
NO.	Part Name	ASTM Specification (Specs-Grades/Types)			
		A216	A352	A217	A351
		WCB	LCC	WC6	C5
1	Body	A216 WCB	A352 LCC	A217 WC6	A217 C5
2	Seat Ring	A105,A350 LF2,A182 F11,A182 F5,A182 F304 or A182 F316			
	Seat Ring Surface	13CR(ER410),HF(STL.6/CoCr-A),304,316 or Monel			
3	Wedge	A216 WCB	A352 LCC	A217 WC6	A217 C5
	Wedge Seating Surface	13CR(ER410),HF(STL.6/CoCr-A),304,316 or Monel			
4	Stem	A182 F6a,A182 F304,A182 F316,17-4PH or Monel			
5	Gasket	F304 , F316 or SOFT IRON			
6	Bonnet	A216 WCB	A352 LCC	A217 WC6	A217 C5
7	Back Seat	A276 410,A182 F304,A182 F316 or Monel			
8	Distance Ring	A276 410,A182 F304,A182 F316 or Monel			
9	Packing	F304+GRAPHITE+C.I.			
10	Packing	FLEXIBLE GRAPHITE+C.I.			
11	Gland	A276 410,A182 F304,A182 F316 or Monel			
12	Gland Flange	A216 WCB	A352 LCC	A217 WC6	A217 C5
13	Stem Nut	A439-D2			
14	Gland Nut	CARBON STEEL			A276 Type 316
15	Handwheel	DUCTILE IRON			
16	Screw	CARBON STEEL			316
17	Lock Nut	CARBON STEEL			A276 Type 316
18	Grease Nipple	CARBON STEEL or A182 F316			
19	Eye Bolt	A193 B7	A320 L7	A193 B16	A193 B16
20	Eye Nut	A194 2H	A194 4	A194 4	A194 4
21	Pin	CARBON STEEL			A276 Type 316
22	Bolt	A193 B7	A320 L7	A193 B16	A193 B16
23	Nut	A194 2H	A194 4	A194 4	A194 4
24	Rivet	AISI 304			
25	Name Plate	AISI 304			
26	Axletree	CARBON STEEL			
27	Yoke	A216 WCB	A352 LCC	A217 WC6	A217 C5
28	Yoke Bolt	A193 B7	A320 L7	A193 B16	A193 B16
26	Yoke Nut	A194 2H	A194 4	A194 4	A194 4
30	Gear Box	CARBON STEEL			
31	Hex Bolt	CARBON STEEL			316



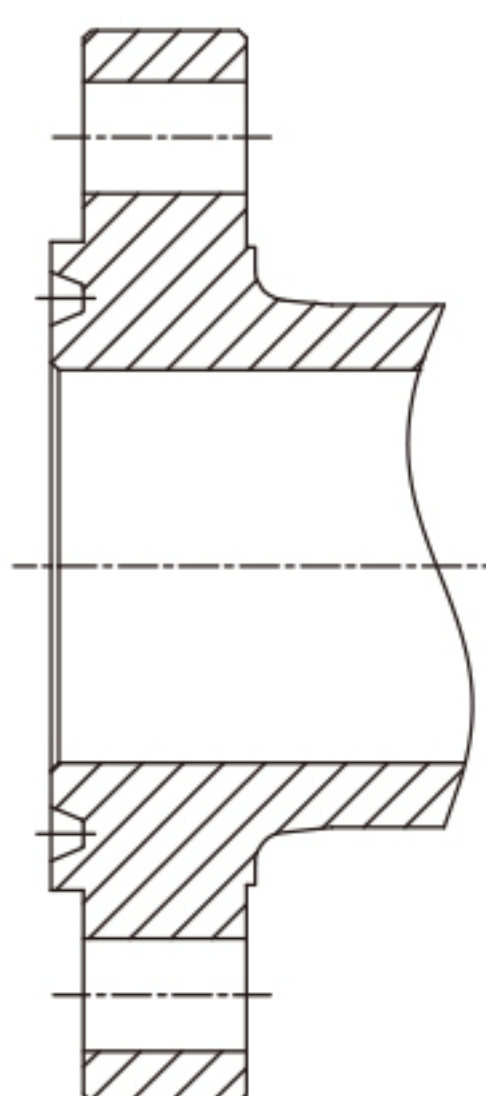
SIZE≥ 8"



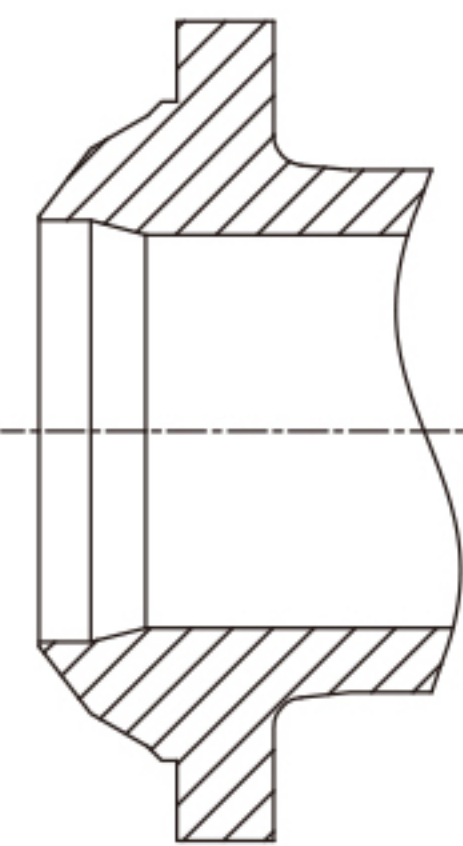
SIZE≥8"



RF



RTJ



BW

DIMENSIONS AND WEIGHTS									
SIZE	NPS	2	2 1/2	3	4	6	8	10	12
L (RF-BW)	In	14.50	16.50	18.50	21.50	22.75	32.75	39.00	44.50
	Mm	368	419	470	546	705	832	991	1130
L (RTJ)	In	14.61	16.61	18.62	21.62	28.00	33.11	39.37	45.12
	Mm	371	422	473	549	711	841	1000	1146
A	In	-	-	-	-	13.58	16.54	19.88	19.88
	Mm	-	-	-	-	345	420	505	505
B	In	1.89	2.24	2.76	3.62	5.35	7.01	8.74	10.35
	Mm	48	57	70	92	136	178	222	263
H	In	15.75	19.29	19.69	22.05	31.89	36.54	42.52	45.67
	Mm	400	490	500	560	810	928	1080	1160
W	In	11.81	11.81	13.78	19.69	18.11	24.02	27.95	27.95
	Mm	300	300	350	500	460*	610*	710*	710*
WT	KG	74	88	134	247	520	922	1532	2250
	LB	163	194	295	545	1146	2032	3378	4960

*GEAR OPERATOR RECOMMENDED.