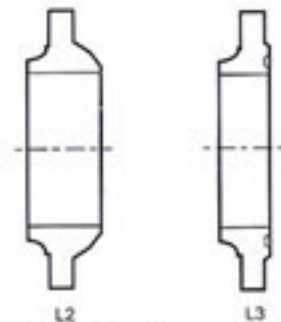


MATERIALS OF CONSTRUCTION

DESCRIPTION	WCB
BODY (1)	ASTM A 216 Gr. WCB
SEAT RING	WCB + 13% Cr. STEEL/ A 217 Gr. CA 15 *
WEDGE	WCB + 13% Cr. STEEL/ A 217 Gr. CA 15
STEM	A 276 TP 410
GASKET	SOFT IRON/ SW SS + GRAPHITE
BONNET (1)	A 216 Gr. WCB
JOINT STUDS & NUTS	A 193 Gr. B7 & A 194 Gr. 2H
YOKE	WCB
YOKE STUD & NUT	A 193 Gr. B7/A 194 Gr. 2H
BONNET BUSH	A 276 TP 410
GLAND PACKING	GRAPHITE RINGS
GLAND NUT	A 276 TP 410
YOKE SLEEVE	A 439 Gr. D2
HANDWHEEL	MALLEABLE IRON / DUCTILE IRON



Butt-Weld End

RTJ

DESIGN FEATURES

Design and Testing standard as per API 6D.

End Connections as per ASME B 16.5. / B 16.47

Butt weld end dimension as per ASME B 16.25.

Face to face dimension as per API 6D

Fire safe test as per API 6FA

Resilient seal is offer on request

Outside Stem & Yoke (OS & Y) type with spindle protection and position indicator

API 6D Gate valve provided with drain & vent connection, lifting lugs & support legs, stem protector & stem indicator.

SPECIAL FEATURES

With Gear operation If the applied force exceeds 350 N

With Limit Switch arrangements for Open and Close position

With Electrical/ pneumatic actuators

With Lantern ring arrangement for Vacuum services.

With Stelling With IBR Certification

With NACE MR 0175, Locking arrangement, Fugitive Emission test.

API 6D GATE VALVES



FACE TO FACE / END-TO-END DIMENSIONS FOR GATE VALVES

(Class 150, 300, 600, 900, 1500 & 2500)

Class 150	NPS in	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"
	DN mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L1 (RF)	178	191	203	229	254	267	292	330	356	381	406	432	457	508	559	610	650	711	800	
L2 (BWE)	216	241	283	305	381	403	419	457	502	572	610	660	711	813	902	991	914	985	1016	
L3 (RTJ)	191	203	216	241	264	279	305	343	368	394	419	445	470	521	-	-	-	-	-	
ΦH	200	200	250	250	250	300	300	400	450	500	500	600	600	800	450	450	500	500	600	
A	375	393	473	570	664	765	995	1178	1375	1525	1735	1906	2095	2525	2820	3010	3200	3251	3850	
WT IN KG	F/E	31.3	48	51	86.25	1207.5	147	220.5	379.5	534.75	776.25	948.75	1207.5	1569	1950	2400	2880	3450	3825	5250
	BWE	27	37.5	42	67.5	111	135	202.5	342	510	729	897	1155	1509	1770	2325	2790	3360	3735	5130

Class 300	NPS in	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"
	DN mm	50	65	80	100	-	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L1 (RF)	216	241	283	305	-	403	419	457	502	762	838	914	991	1143	1245	1346	1397	1524	1727	
L2 (BWE)	216	241	283	305	-	403	419	457	502	762	838	914	991	1143	1245	1346	1397	1524	1727	
L3 (RTJ)	232	257	298	321	-	419	435	473	518	778	854	930	1010	1165	1270	1372	1422	1553	1756	
ΦH	200	200	250	250	-	300	300	400	450	500	500	600	600	800	450	450	500	500	600	
A	394	431	494	585	-	842	1034	1240	1424	1605	1845	1970	2125	2580	2820	3010	3200	3251	3840	
WT IN KG	F/E	48.125	88.375	96.25	147	-	289.625	455	704.375	1167.25	1438.5	2112.25	2485	3330.25	4669	5407.5	5950	6300	7000	7945
	BWE	36.75	70	78.75	112	-	245	227.5	306.25	992.25	1225	2021.25	2187.5	2975	4284	4970	5477.5	2482.5	6370	7385

Class 600	NPS in	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"
	DN mm	50	65	80	100	-	150	200	250	300	350	400	450	500	600	-	-	-	-	-
L1 (RF)	292	330	356	432	-	559	660	787	838	889	991	1092	1194	1397	-	-	-	-	-	
L2 (BWE)	292	330	356	432	-	559	660	787	838	889	991	1092	1194	1397	-	-	-	-	-	
L3 (RTJ)	295	333	359	435	-	562	664	791	841	892	994	1095	1200	1407	-	-	-	-	-	
ΦH	250	250	300	350	-	450	500	550	600	600	600	600	600	800	-	-	-	-	-	
A	428	492	534	680	-	918	1122	1252	1550	1735	1845	2105	2275	2686	-	-	-	-	-	
WT IN KG	F/E	72	113.4	149.4	261	-	549	918	1449	1945.8	2710.8	3330	4284	4978.8	7884	-	-	-	-	
	BWE	63	104.4	138.7	243	-	504	855	1368	1818	2556	2628	4113	4770	7668	-	-	-	-	

Class 900	NPS in	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"
	DN mm	50	-	80	100	-	150	200	250	300	350	400	450	500	600	-	-	-	-	-
L1 (RF)	368	-	381	457	-	610	737	838	965	1029	1130	1219	1321	1549	-	-	-	-	-	
L2 (BWE)	368	-	381	457	-	610	737	838	965	1029	1130	1219	1321	1549	-	-	-	-	-	
L3 (RTJ)	371	-	384	460	-	613	740	790	968	1038	1140	1232	1334	1568	-	-	-	-	-	
ΦH	250	-	300	350	-	500	600	600	600	650	650	600	600	800	-	-	-	-	-	
A	480	-	570	670	-	880	1080	1295	1490	1800	1999	2105	2275	2686	-	-	-	-	-	
WT IN KG	F/E	138.7	-	188.1	323	-	579.5	969	1529.5	2053.9	2861.4	3515	4522	5255.4	8322	-	-	-	-	
	BWE	104.5	-	146.3	234	-	532	902.5	1444	1919	2698	2774	4341.5	5035	8094	-	-	-	-	

Class 1500	NPS in	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"
	DN mm	50	-	80	100	-	150	200	250	300	-	-	-	-	-	-	-	-	-	-
L1 (RF)	368	-	470	546	-	705	832	991	1130	-	-	-	-	-	-	-	-	-	-	
L2 (BWE)	368	-	470	546	-	705	832	991	1130	-	-	-	-	-	-	-	-	-	-	
L3 (RTJ)	371	-	473	549	-	711	841	1000	1146	-	-	-	-	-	-	-	-	-	-	
ΦH	250	-	300	350	-	500	450	450	600	-	-	-	-	-	-	-	-	-	-	
A	490	-	575	590	-	950	1100	1350	1501	-	-	-	-	-	-	-	-	-	-	
WT IN KG	F/E	160	-	220	420	-	660	1020	1700	2300	-	-	-	-	-	-	-	-	-	
	BWE	116	-	164	320	-	620	1050	1620	2160	-	-	-	-	-	-	-	-	-	

Class 2500	NPS in	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"
	DN mm	50	-	80	100	-	150	200	250	300	-	-	-	-	-	-	-	-	-	-
L1 (RF)	451	-	578	673	-	914	1022	1270	1422	-	-	-	-	-	-	-	-	-	-	
L2 (BWE)	451	-	578	673	-	914	1022	1270	1422	-	-	-	-	-	-	-	-	-	-	
L3 (RTJ)	454	-	584	683	-	927	1038	1292	1445	-	-	-	-	-	-	-	-	-	-	
ΦH	350	-	450	500	-	600	600	600	600	-	-	-	-	-	-	-	-	-	-	
A	550	-	580	850	-	1420	1510	1980	2150	-	-	-	-	-	-	-	-	-	-	
WT IN KG	F/E	231	-	315	525	-	798	1281	1932	2520	-	-	-	-	-	-	-	-	-	
	BWE	184.8	-	256.2	420	-	756	1228.5	1848	2478	-	-	-	-	-	-	-	-	-	

TOLERANCES :-

- a) Face to Face : +/- 1.6mm upto NPS 10" and smaller, +/- 3mm for NPS 12 & larger.
- b) Sizes not covered in above standards are as per manufacturer standard.