

STANDARD MATERIAL To API 600

Trim Code	Seat Ring Surface Part No.2	Wedge Surface Part No.3	Stem Part No.4
1	F6	F6	F6
2	F304	F304	F304
5	Stellite	Stellite	F6
8	Stellite	F6	F6
9	Monel	Monel	Monel
10	F316	F316	F316
13	Alloy 20	Alloy 20	Alloy 2

Note: Usually, trim2 and trim 10 are not adopted because the sealing face would be destroyed easily.

Standards

Design and Manufacture	API 600, API6D
Inspection and Test	API598, API6D, API600
End Falnge dimension	ASME B16.5
End Falnge dimension	ASME B16.47 A, MSS SP-44
End Falnge dimension	ASME B16.47 B, API605
BW end dimension	ASME B16.25
Face to face	ASME B16.10
Pressure-temperature ratings	ASME B16.34

Standard Material specifications

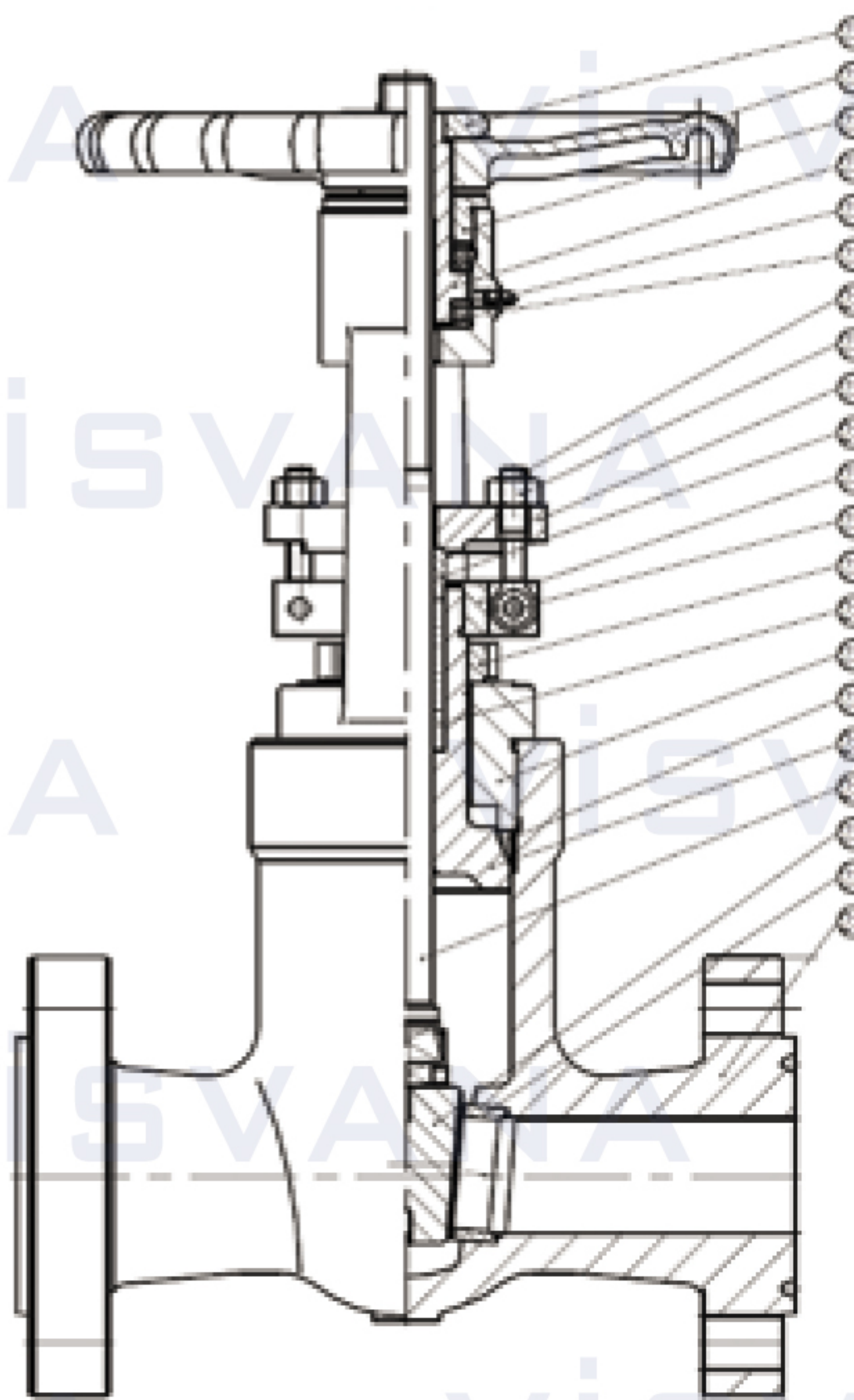
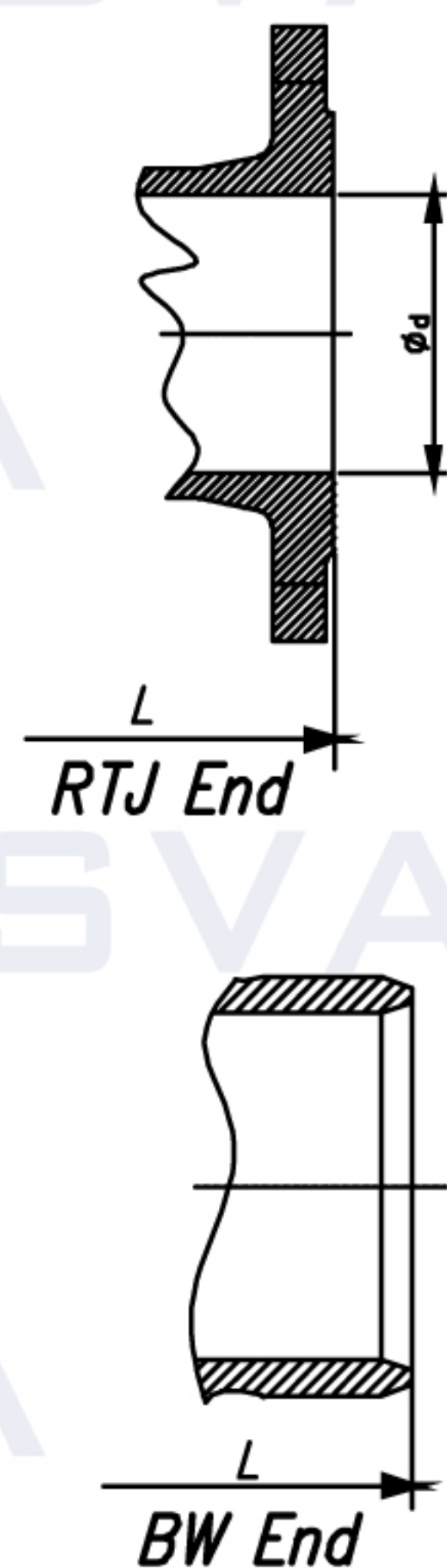
Parts name		Carbon steel to ASTM		Alloy Steel to ASTM				Stainless Steel to ASTM			
1	Body	A216 WCB	A352 LCB	A217 WCI	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
8	Bonnet	A216 WCB	A352 LCB	A217 WCI	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
6	Bolts	A193 B7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B16	A193 B8	A193 B8	A193 B8	A193 B8
5	Nuts	A194 2H	A194 4	A194 2H	A194 4	A194 4	A194 4	A194 8	A194 8	A194 8	A194 8
11	Gland	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F304	A182 F316	A182 F304L	A182 F316L
12	Gland Flange	A216 WCB	A352 LCB	A217 WCI	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Disc	A216 WCB	A352 LCB	A217 WCI	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
7	Gasket	SS Spiral Wound W/graphite, or SS Spiral Wound W/PTFE, or Reinforced PTFE									
10	Packing	Braided graphite, or Die-formed graphite ring or PTFE									
13	Stem Nut	Copper alloy or A439 D2									
14	Hand Wheel	Ductile iron or Carbon steel									

Noted: The chart above only lists out some common composition of steel gate valve parts, we may provide other different parts material composition according to the customer's request or the actual valve working condition.



VYM-C1500 VYM-C2500

API GATE VALVE



Class 1500 & Class 2500 Gate Valve

Class	Size		Dimensions (mm)								Weight (Kg)		
	NPS	DN	L				d	H	H1	W	W1	H.W	G.O
			RF	RTJ	BW (BB)	BW (PSB)							
1500	2	50	368	371	368	216	47	430		280		70	
	2 1/2	65	419	422	419	254	57	490		300		110	
	3	80	470	473	470	305	69	540	680	350	310	175	202
	4	100	546	549	546	406	92	650	810	400	310	270	300
	5	125	673	676	673	483	125	780	920	450	310	378	405
	6	150	705	711	705	559	136	835	1035	500	460	520	575
	8	200	832	841	832	711	177	925	1180	750	530	820	915
	10	250	991	1000	991	864	222	1230	1525	900	600	1560	1750
	12	300	1130	1146	1130	991	263		1620		600		2120
	14	350	1257	1276	1257	1067	288		1905		600		3306
2500	2	50	451	454	451	279	38	490	580	280	310	100	130
	2 1/2	65	508	514	508	330	47	580	630	300	310	150	180
	3	80	578	584	578	368	57	630	765	350	310	245	275
	4	100	673	683	673	457	72	725	850	400	310	390	420
	5	125	794	807	794	533	96	900	960	500	460	550	580
	6	150	914	927	914	610	111	1040	1100	600	530	780	835
	8	200	1022	1038	1022	762	146	1150	1150	750	460	1260	1355
	10	250	1270	1292	1270	914	184	1400	1460	900	600	2380	2565
	12	300	1422	1445	1422	1041	218		1660		600		3250

Noted: We may provide other different actuators according to the customer's request, such as pneumatic, electric, hydraulic actuators, the details of them according to the actual valve working condition.