



Materials Of Parts

CAST STEEL GATE VALVE STANDARD MATERIALS OF PARTS

ITEM	PART NAME	CARBON STEEL			ALLOY STEEL			STAINLESS STEEL				
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
2	Seat Ring	A105	A350 LF2	A350 LF2	A182 F1	A182 F11	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F321
3	Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
4	Stem	A182 F6	A182 F304	A182 F304	A182 F6	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F321
5	Gasket	CL150-300	Soft Iron +Graphite	304+Graphite	304+Graphite	304+Graphite	304+Graphite	304+Graphite	316+Graphite			
		CL600-2500 Ring Joint	Soft Iron	304	304	304	304	304	316			
6	Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
7	Bonnet Bolt Nuts	A194 2H	A194 4	A194 4	A194 2H	A194 4	A194 4	A194 8				
8	Bonnet Bolts	A193 B7	A320 L7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B8				
9	Backseat Bushing	A276 410	A276 304	A276 304				A276 304	A276 316	A276 304L	A276 316L	A276 321
10	Stem Packing	Braided Graphite & Die formed Graphite Ring			Braided Graphite & Die formed Graphite Ring			Braided Graphite & Die formed Graphite Ring				
11	Eye Bolt Pins	Carbon Steel			A276 410			Stainless Steel				
12	Gland Eye Bolts	A307 B	A320 L7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B8				
13	Gland	A276 410	A276 304	A276 304	A276 410			A276 304	A276 316	A276 304L	A276 316L	A276 321
14	Gland Flange	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
15	Eye Bolt Nuts	A194 2H	A194 4	A194 4	A194 2H	A194 4	A194 4	A194 8	A194 8	A194 8	A194 8	A194 8
16	Grease Nipple	Carbon Steel			Carbon Steel			Stainless Steel				
17	Stem Nut	A439 D-2			A439 D-2			A439 D-2				
18	Retaining Nut	Carbon Steel			Carbon Steel			Carbon Steel				
19	Handwheel	Ductile Iron			Ductile Iron			Ductile Iron				
20	Handwheel Nut	Carbon Steel			Carbon Steel			Stainless Steel				
21	Screw	Carbon Steel			Carbon Steel			Stainless Steel				
22	Yoke	A216 WCB	A352 LCB	A352 LCC	A216 WCB	A216 WCB	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
23	Yoke Pan Bolt Nuts	A194 2H	A194 4	A194 4	A194 2H	A194 4	A194 4	A194 8				
24	Yoke Pan Bolts	A193 B7	A320 L7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B8				
25	Bearing	Steel			Steel			Steel				
26	Lantern Ring On Request	A276 410	A276 304	A276 304	A276 410			A276 304	A276 316	A276 304L	A276 316L	A276 321

Note: Seating surface and trim materials see P2

CAST STEEL GLOBE VALVE STANDARD MATERIALS OF PARTS

ITEM	PART NAME	CARBON STEEL			ALLOY STEEL			STAINLESS STEEL				
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
2	Seat Ring	A105	A350 LF2	A350 LF2	A182 F1	A182 F11	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F321
3	Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
4	Disc Thrust Plate	A276 420	A276 304	A276 304	A276 420			A276 304	A276 316	A276 304L	A276 316L	A276 321
5	Disc Nut	A276 410	A276 304	A276 304	A276 410			A276 304	A276 316	A276 304L	A276 316L	A276 321
6	Stem	A182 F6	A182 F304	A182 F304	A182 F6	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F321
7	Bonnet Bolt Nuts	A194 2H	A194 4	A194 4	A194 2H	A194 4	A194 4	A194 8				
8	Bonnet Bolts	A193 B7	A320 L7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B8				
9	Gasket	CL150-300	Soft Iron +Graphite	304+Graphite	304+Graphite	304+Graphite	304+Graphite	304+Graphite	316+Graphite			
		CL600-2500 Ring Joint	Soft Iron	304	304	304	304	304	316			
10	Backseat Bushing	A276 410	A276 304	A276 304	A276 410			A276 304	A276 316	A276 304L	A276 316L	A276 321
11	Stem Packing	Braided Graphite & Die formed Graphite Ring			Braided Graphite & Die formed Graphite Ring			Braided Graphite & Die formed Graphite Ring				
12	Bonnet	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
13	Eye Bolt Pins	Carbon Steel			A276 410			Stainless Steel				
14	Gland	A276 410	A276 304	A276 304	A276 410			A276 304	A276 316	A276 304L	A276 316L	A276 321
15	Gland Flange	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
16	Gland Eye Bolts	A307 B	A320 L7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B8				
17	Eye Bolt Nuts	A194 2H	A194 4	A194 4	A194 2H	A194 4	A194 4	A194 8				
18	Yoke Bush	A439 D-2			A439 D-2			A439 D-2				
19	Screw	Carbon Steel			Carbon Steel			Stainless Steel				
20	Handwheel	Ductile Iron			Ductile Iron			Ductile Iron				
21	Handwheel Nut	A194 2H			A194 2H			Stainless Steel				
22	Washer	Carbon Steel			Carbon Steel			Stainless Steel				
23	Lantern Ring On Request	A276 410	A276 304	A276 304	A276 410			A276 304	A276 316	A276 304L	A276 316L	A276 321

Note: Seating surface and trim materials see P2

CAST STEEL SWING CHECK VALVE STANDARD MATERIALS OF PARTS

ITEM	PART NAME	CARBON STEEL			ALLOY STEEL			STAINLESS STEEL				
1	Body	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
2	Seat Ring	A105	A350 LF2	A350 LF2	A182 F1	A182 F11	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F321
3	Disc	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
4	Disc Washer	A276 410	A276 304	A276 304	A276 410			A276 316				
5	Disc Nut Pin	Stainless Steel			Stainless Steel			316				
6	Disc Nut	Stainless Steel			Stainless Steel			316				
7	Hinge	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
8	Hinge Pin	A182 F6	A182 F304	A182 F304	A182 F6	A182 F6	A182 F6	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F321
9	Bearing Bracket	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
10	Spring Washer	Carbon Steel	Stainless Steel		Stainless Steel			316				
11	Hex, Bolt	A193 B7	A320 L7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B8				
12	Gasket	CL150-300	Soft Iron +Graphite	304+Graphite	304+Graphite	304+Graphite	304+Graphite	304+Graphite	316+Graphite			
		CL600-2500 Ring Joint	Soft Iron	304	304	304	304	304	316			
13	Cover Bolt	A193 B7	A320 L7	A320 L7	A193 B7	A193 B16	A193 B16	A193 B8				
14	Cover Bolt Nut	A194 2H	A194 4	A194 4	A194 2H	A194 4	A194 4	A194 8				
15	Cover	A216 WCB	A352 LCB	A352 LCC	A217 WC1	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M	A351 CF8C
16	Eye Bolt	Carbon Steel	Stainless Steel		Stainless Steel			Stainless Steel				
17	Pulg	A105	A350 LF2	A350 LF2	A182 F1	A182 F11	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L	A182 F321

Note: Seating surface and trim materials see P2