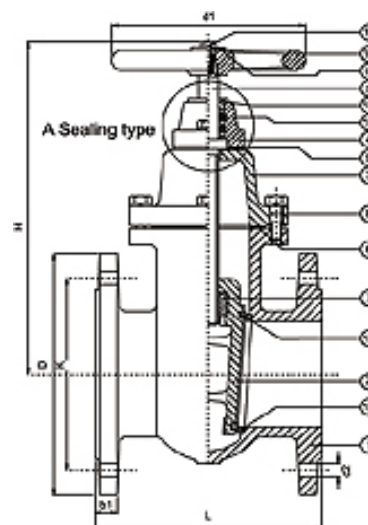
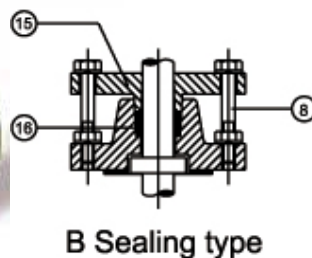
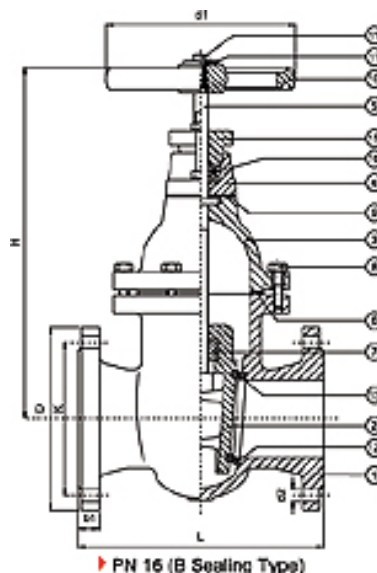




1	Body
2	Wedge
3	Bonnet
4	Stuffing Box
5	Stem
6	Bonnet Gasket
7	Stem Nut
8	Bolts
9	Stuffing Box Gasket
10	Hand wheel
11	Hand wheel Bolt & Washer
12	Body Seat Rings
13	Wedge Seal Rings
14	O'ring, Natural Rubber Elastomer (Used in A Sealing Type)
15	Gland, Exerts Even Pressure on the Packing (ib B Sealing Type)
16	Packing Flexible Graphite Packing (Used in B Sealing Type)
17	Dust Protecting Washer



CAST IRON GATE VALVES. (PN 10 / 16) DN 50 ... 400

GATE VALVES serve as efficient isolating valves with flow in either direction.

They are commonly used where a minimum of pressure drop is important because they offer practically no resistance to flow when fully open. Throttling is not recommended because partially open gate valves exhibit flow characteristics not conducive to accurate and consistent flow control. They function best fully open or fully closed.

Designation of FAR AB's gate valves are in according to below standards.

Material: DIN 3352-(Part 2 & 3)

Face to Face dimensions: DIN 3202-F4, F5

Flanges mating dimensions: DIN 2501

Pressure testing: ISO 5208

Body Test Pressure: 16 bar for PN10 25 bar for PN16

Seal Test Pressure: Nominal Pressure

Temperature: up to 110°C (230°F)



The Materials of Parts, According to DIN 3352 - (2 & 3)					
No.	Part Name	Material Number	Material Number	Code Number	Material Standards
1	Body	Cast Iron	0.6025	GG25	DIN 1691 or ISO 185
2	Wedge	Copper Zinc Alloy			DIN 1705 or ISO 426
3	Bonnet	Cast Iron	0.6025	GG25	DIN 1691 or ISO 185
4	Stuffing Box	Cast Iron	0.6025	GG25	DIN 1691 or ISO 185
5	Stem	Stainless Steel	1.4021	X20Cr13	DIN 17440
6	Bonnet Gasket				DIN 3754
7	Stem Nut	Stainless Steel	1.4021	X20Cr13	DIN 17440
8	Bolts			CK15	DIN 933
9	Stuffing Box Gasket				DIN 3754
10	Hand wheel	Cast Iron	0.6025	GG25	DIN 1691 or ISO 185
11	Hand wheel Bolt & Washer			CK15	DIN 933 and 433
12	Body Seat Rings	Copper Zinc Alloy			DIN 1705 or ISO 426
13	Wedge Seal Rings	Copper Zinc Alloy			DIN 1705 or ISO 426
14	O'ring			NBR	DIN 53538 or ISO 4658
15	Gland	Cast Iron	0.6025	GG25	DIN 1691 or ISO 185
16	Packing	Flexible Graphite			
17	Dust Protecting Washer	Polyethylene			DIN 16779

Face to face and space requirement dimensions											
DN	PN	50	65	80	100	125	150	200	250	300	400
L	10	150	170	180	190	200	210	230	250	270	310
	16	250	270	280	300	325	350	400	450	500	-
D	10	165	185	200	220	250	285	340	395	445	565
	16	165	185	200	220	250	285	340	405	460	-
K	10	125	145	160	180	210	240	295	350	400	515
	16	125	145	160	180	210	240	295	355	410	-
b1	10, 16	20	20	22	24	26	26	26	28	28	32
d1	10	160	160	160	180	200	200	220	250	315	300
	16	200	250	250	315	315	315	400	500	500	-
h1	10(A)	243	250	260	290	375	400	475	615	710	-
	10(B)	250	275	300	330	390	430	505	620	705	910
	16	260	320	330	880	420	460	630	740	820	-
holes (N x d2)	10	4x19	4x19	8x19	8x19	8x23	8x23	8x23	12x23	12x23	16x28
	16	4x19	4x19	8x19	8x19	8x23	8x23	12x23	12x28	12x28	-
Weight (kg)	10(A)	13.7	15.7	17.6	24.7	35.8	40.6	66.4	108.3	174	-
	10(B)	14	16.5	19	25	36	41	67.5	108	174	270
	16	18	26	29	43	56	75	117	175	212	-

Face to Face dimensions (Series F4 as specified in DIN 3202 part 1) and space requirement dimensions for PN 6 and PN 10 gate valves with PN 10 flange ends as specified in DIN 2501- part 1. And face to face dimensions (series F5 as specified in DIN 3202 part 1) and space requirement dimensions for PN 10 and PN 16 gate valves.