

BOLTED BODY SIDE ENTRY FORGED STEEL BALL VALVE

Model : Series T3

Design feature:

- Designed to be fire-safe to minimize both external and internal fluid leakage after plant fires.
- The double block and bleed feature, both with the ball in the fully closed or fully open position, is a standard feature.
- Primary soft seat - Secondary metal-to-metal seat Fire-safe seat design.
- With Independent Stem & Ball and Independent Floating Seats.
- Self-Relief in the body Cavity.
- Blow-Out Proof Stem & Antistatic Device design Provides Maximum Safety.
- Emergency Sealant Injection on Stem & Seats is available.
- Wide range of seat & seal materials is available.

Specifications:

- Construction: Three piece bolted body side entry, trunnion ball design.
- Flow bore: full port.
- Rating: ANSI Class 600/ 900/ 1500
- Temperature: -20°F ~ 400°F (PTFE/ R.PTFE)
- Materials: ASTM A105, A182 F304/ F316
- Size range: 2"~24".

Standard:

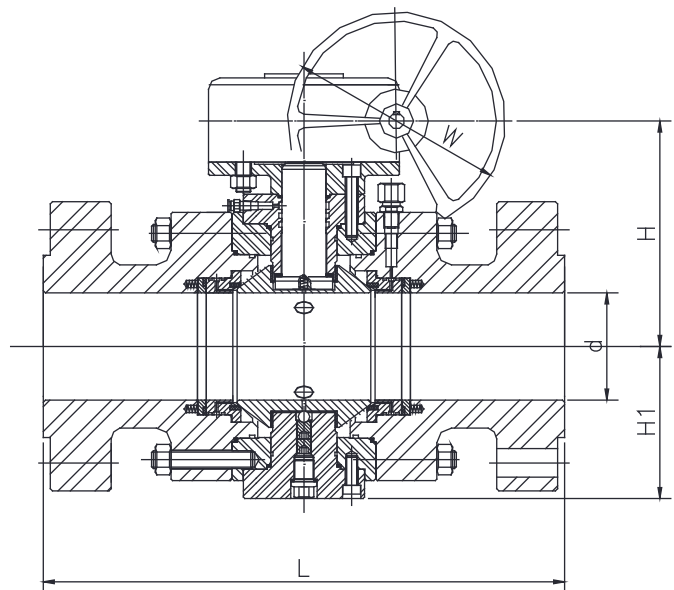
- Basic Design to ANSI B16.34
- Flange Dimension to ANSI B16.5
- Face-to-face meets to ANSI B16.10
- Inspection & testing according to API 598

Dimensions Class 900 With Gear Operator (mm)

INCH	DN	d	L (RF)	H	H1	ΦW
2"	50	51	368	177	130	600
2-1/2"	65	64	419	185	138	600
3"	80	76	381	208	175	1000
4"	100	102	457	250	200	600
6"	150	152	610	290	190	800
8"	200	203	737	358	255	800
10"	250	254	838	424	298	800
12"	300	305	965	456	330	800
14"	350	324	1029	475	355	600
16"	400	375	1130	537	405	800

Dimensions Class 1500 With Gear Operator (mm)

INCH	DN	d	L (RF)	H	H1	ΦW
2"	50	51	368	177	130	600
2-1/2"	65	64	419	185	138	600
3"	80	76	470	208	175	1000
4"	100	102	546	250	200	600
6"	150	146	705	290	190	800
8"	200	194	832	358	255	800
10"	250	241	991	424	298	800
12"	300	289	1130	456	330	800
14"	350	318	1257	475	355	600
16"	400	362	1384	537	405	800

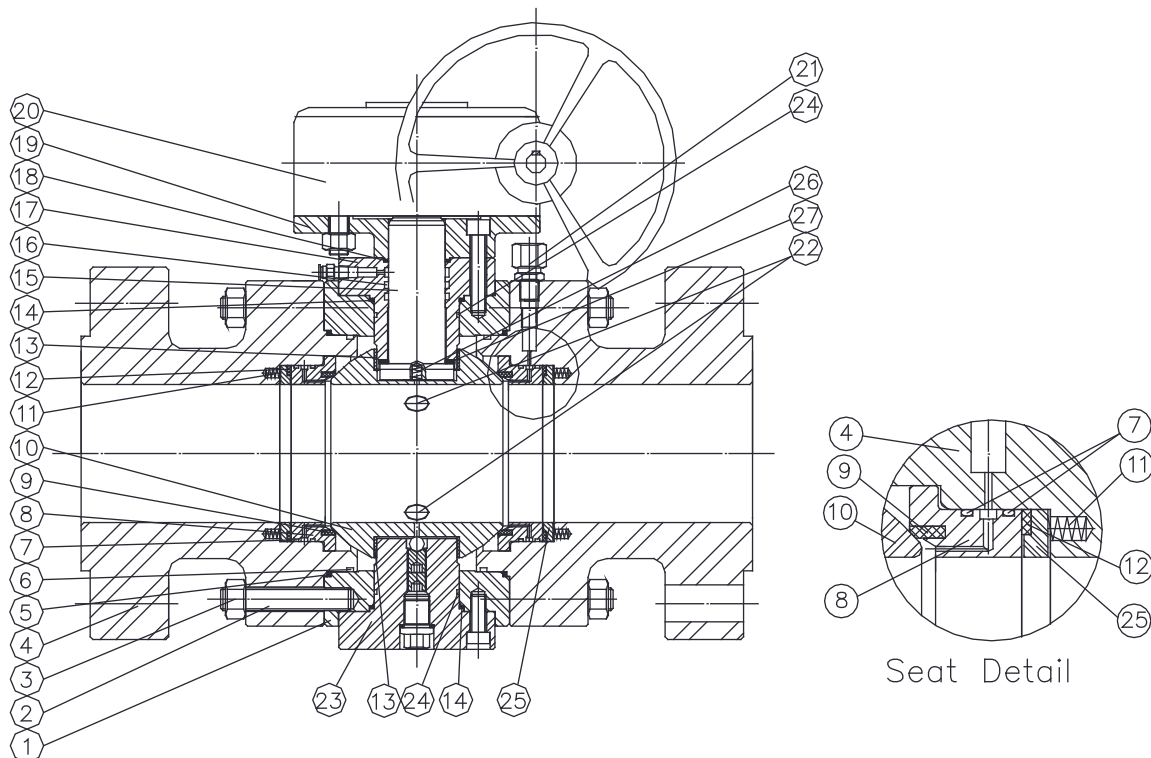


Dimensions Class 600 With Gear Operator (mm)

INCH	DN	d	L (RF)	H	H1	ΦW
2"	50	51	292	177	130	600
2-1/2"	65	64	330	185	138	600
3"	80	75	356	208	175	1000
4"	100	102	432	250	200	600
5"	125	127	508	285	225	600
6"	150	152	559	290	190	800
8"	200	203	660	358	255	800
10"	250	254	787	424	298	800
12"	300	305	838	456	330	800
14"	350	337	889	475	355	600
16"	400	387	991	537	405	800
18"	450	438	1092	610	476	800
20"	500	489	1194	690	560	800
24"	600	591	1397			

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Materials List:

NO.	PARTS NAME	MATERIAL	NO.	PARTS NAME	MATERIAL
1	BODY	ASTM A105 / ENP	16	O-RING, STEM	VITON
2	STUB	ASTM A19 B7M	17	BONNET	ASTM A105 / ENP
3	NUT	ASTM A194 2HM	18	STEM PACKING	GRAPHITE
4	ENDCAP	ASTM A105 / ENP	19	GLAND	ASTM A105 / ENP
5	SEAL, BODY	GRAPHITE + SS304	20	GEAR BOX	DUCTILE IRON
6	O-RING, BODY	VITON	21	INJECTION FITTING	CARBON STEEL
7	O-RING, SEAT RING	VITON	22	BLOCK & BLEED	CARBON STEEL
8	SEAT RING	ASTM A105 / ENP	23	BALL RETAINER	ASTM A105 / ENP
9	SEAT INSERT	NYLON	24	O-RING	VITON
10	BALL	ASTM A105 / ENP	25	FOLLOWER	ASTM A105 / ENP
11	SPRING	17-7PH	26	ANTI-STATIC DEVICE	
12	GASKET, SEAT RING	GRAPHITE + SS316	27	THRUST WASHER	PTFE
13	STEM BEARING	Cu-Pb ALLOY			
14	GASKET, BONNET	GRAPHITE + SS316			
15	STEM	ASTM A105 / ENP			

*other materials are available upon request.