

Fig. M544 & 544E Cast Iron



FEATURES & BENEFITS

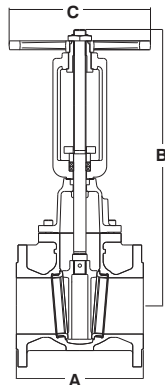
- Cast Iron with integral flanges
- Outside screw pattern with rising stem
- Ideal for use on more active media where fluid might have an adverse effect on thread
- Flanges ends require no pipe threading



MATERIAL SPECIFICATION

Component	Material	Specification	
		BS EN	ASTM
Handwheel	Cast Iron	1561 EN-JL 1040	A126 Cl B
Yoke Sleeve	Bronze	-	-
Yoke (100 to 350mm)	Cast Iron	1561 EN-JL 1040	A126 Cl B
Gland	Cast Iron	1561 EN-JL 1040	A126 Cl B
Gland Packing	Expanded Graphite	-	-
Yoke Joint (100 & 350mm)	Asbestos Free	-	-
Stem	Steel	EN10087	11sMn30
Bonnet	Cast Iron	1561 EN-JL 1040	A126 Cl B
Bonnet Gasket	Asbestos Free	-	-
Stem Cone Bush	Brass	12164 CW614N	B16-C36000 / B124-C37700
Wedge Nut	Bronze	-	-
Wedge	Cast Iron	1561 EN-JL 1040	A126 Cl B
Wedge Facing Ring	Bronze	BS EN 1982 CC491K	-
Body Seat Ring	Bronze	BS EN 1982 CC491K	-
Body	Cast Iron	1561 EN-JL 1040	A126 Cl B

DIMENSIONAL DRAWING



PRESSURE/TEMPERATURE RATING

BS EN 1171 PN16
16 bar at -10 to 120°C
11.8 bar at 230°C

TEST PRESSURES (HYDRAULIC)

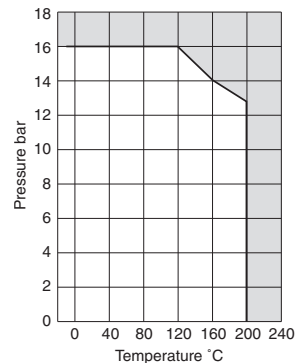
Shell: 24 bar
Seat: 17.6 bar

SPECIFICATION

BS 5150 and BS EN 1171.
Outside screw.
Rising stem.
Flanged to BS EN 1092-2 PN16.
Bronze trim.
Flanges drilled to BS10 available
Figure 544E.
Face to face dimensions at
BS EN 558-1 basic series 3.

DIMENSIONS & WEIGHTS

Nom Size	mm	50	65	80	100	125	150	200	250	300	350
	in	2	2 1/2	3	4	5	6	8	10	12	14
A	mm	178	190	203	229	254	267	292	330	356	381
B (Open)	mm	405	415	486	632	710	842	1100	1228	1373	1595
C	mm	190	190	190	305	305	305	305	405	405	508
D PN16	mm	165	185	200	220	250	285	340	405	460	520
D Table E	in	6	6 1/2	7 1/4	8 1/2	10	11	13 1/4	16	18	-
D Table F	in	6 1/2	7 1/4	8	9	11	12	14 1/2	17	19 1/4	-
Weight	kg	17	20	28	40	56	69	125	227	265	390



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