

# Fig. M544 & 544E Cast Iron



## FEATURES & BENEFITS

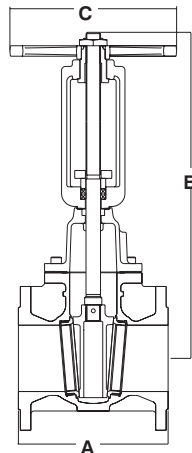
- Cast Iron with integral flanges
- Outside screw pattern with rising stem
- Ideal for use on more active media where fluid might have an adverse effect on thread
- Flanges ends require no pipe threading



## MATERIAL SPECIFICATION

Component	Material	Specification	
		BS EN	ASTM
Handwheel	Cast Iron	1561 EN-JL 1040	A126 CI B
Yoke Sleeve	Bronze	-	-
Yoke (100 to 350mm)	Cast Iron	1561 EN-JL 1040	A126 CI B
Gland	Cast Iron	1561 EN-JL 1040	A126 CI B
Gland Packing	Expanded Graphite	-	-
Yoke Joint (100 & 350mm)	Asbestos Free	-	-
Stem	Steel	EN10087	11sMn30
Bonnet	Cast Iron	1561 EN-JL 1040	A126 CI 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 CI 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 CI 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)

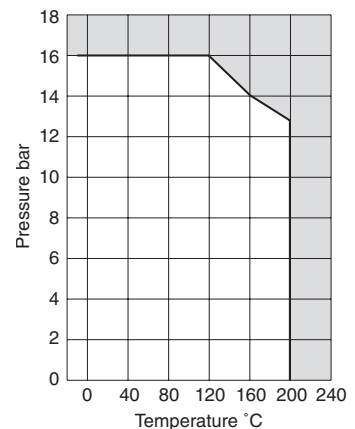
Shell: 24 bar  
Seat: 17.6 bar

## 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 in	50 2	65 2 1/2	80 3	100 4	125 5	150 6	200 8	250 10	300 12	350 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



Every effort has been made to ensure that the information contained in this publication is accurate at the time of publishing. Hattersley Ltd assumes no responsibility or liability for typographical errors or omissions or for any misinterpretation of the information within the publication and reserves the right to change without notice.