

## Fig. M544 - M544E Cast Iron

### FEATURES AND BENEFITS

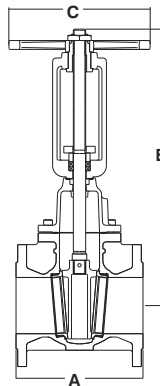
- Cast Iron with integral flanges
- Outside screw pattern with rising stem
- Ideal for use on more active media where fluid might have an adverse effect on thread
- Flanges ends require no pipe threading



### MATERIAL SPECIFICATION

Component	Material	Specification	
		BS EN	ASTM
Handwheel	Cast Iron	1561 EN-JLI030	A126 Cl B
Yoke Sleeve	Bronze		
Yoke (100 to 300mm)	Cast Iron	1561 EN-JLI030	A126 Cl B
Gland	Cast Iron	1561 EN-JLI030	A126 Cl B
Gland Packing	Expanded Graphite		
Yoke Joint (100 & 300mm)	Asbestos Free		
Stem	Steel	EN10087	11sMn30
Bonnet	Cast Iron	1561 EN-JLI040	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-JLI040	A126 Cl B
Wedge Facing Ring	Bronze		
Body Seat Ring	Cast Iron	1561 EN-JLI040	A126 Cl B
Body	Cast Iron	1561 EN-JLI040	A126 Cl B

### DIMENSIONAL DRAWINGS



### DIMENSIONS AND 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
A PN6	mm	178	190	203	229	254	267	292	330	356
B (open)	mm	343	345	443	520	572	668	884	955	1054
C	mm	190	190	190	305	305	305	305	405	405
D PN16	mm	165	185	200	220	250	285	340	405	460
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

### PRESSURE/ TEMPERATURE RATING

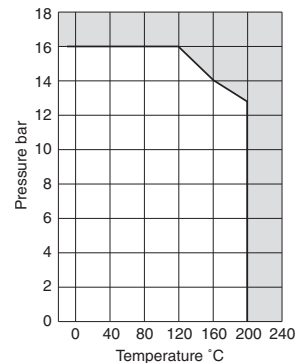
BS EN 1171 PN16  
16 bar at -10 to 120°C  
11.8 bar at 230°C

### 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.



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