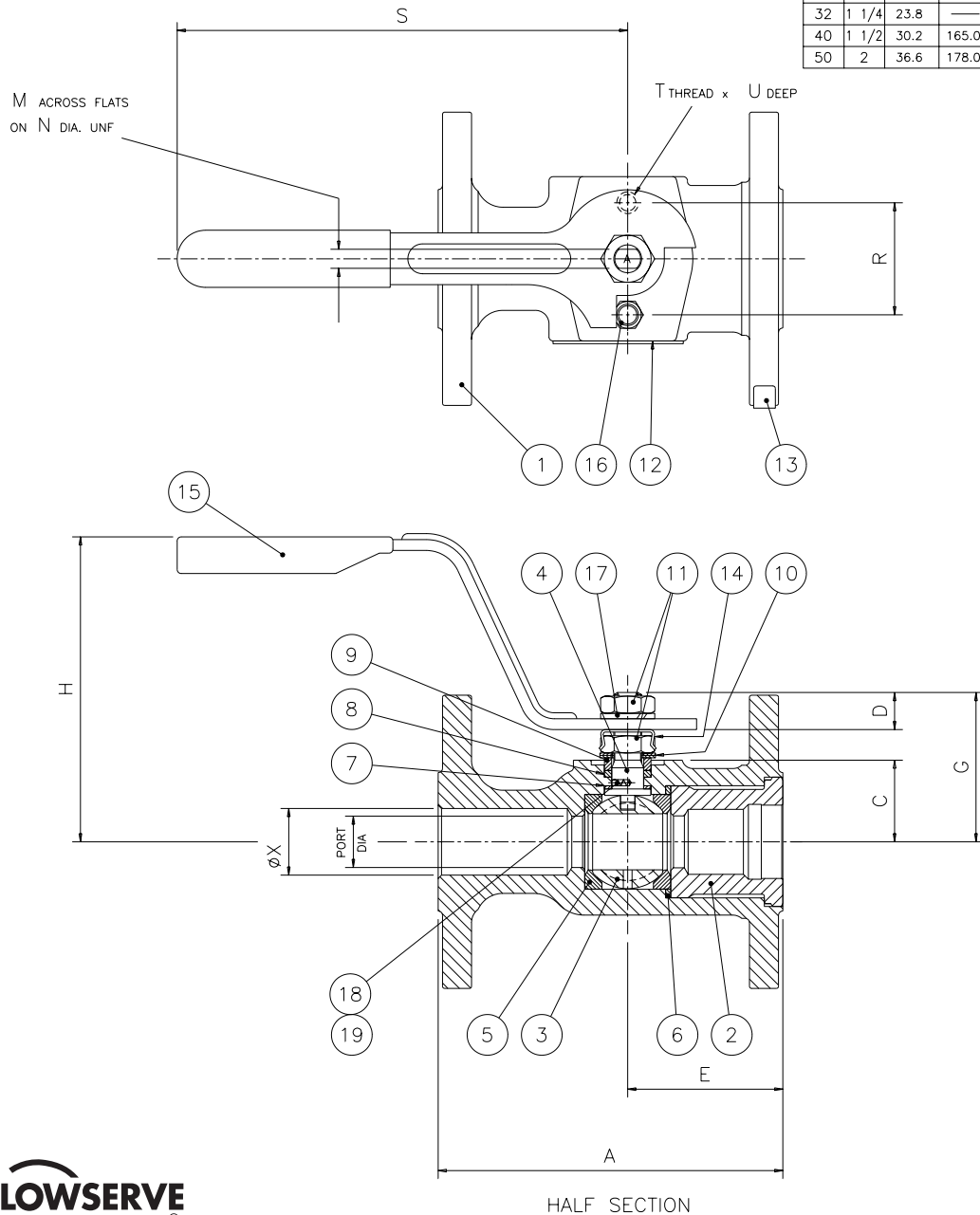


VALVE SIZE		VALVE DIMENSIONS (mm)																					
		PORT DIA		A				C	D	E	G	H	M MAX	N	R	S	T	U	ØX	APPROX WEIGHT Kg			
				51	52	53	54													51	52	53	54
15	1/2	9.5	108.0	140.0	115.0	130.0	20.65	11.1	46.0	38.1	89.0	5.54	3/8 UNF	31.8	152.0	M6	9.2	15.0	2.0	2.5	2.0	2.2	
20	3/4	12.5	117.0	152.0	120.0	150.0	23.01	11.1	49.3	40.5	91.3	5.54	3/8 UNF	31.8	152.0	M6	9.2	20.0	3.0	3.4	3.0	3.3	
25	1	18.7	127.0	165.0	125.0	160.0	30.95	15.9	57.2	55.7	111.1	7.54	7/16 UNF	41.3	165.0	M8	9.7	25.0	3.6	4.3	3.6	4.5	
32	1 1/4	23.8	—	—	—	180.0	35.72	15.9	60.4	60.4	115.9	7.54	7/16 UNF	41.3	165.0	M8	9.7	32.0	—	—	—	6.6	
40	1 1/2	30.2	165.0	190.0	140.0	200.0	42.1	19.1	62.3	73.1	117.5	8.71	9/16 UNF	44.5	190.5	M8	9.7	40.0	5.8	7.3	6.9	7.3	
50	2	36.6	178.0	216.0	150.0	230.0	46.8	19.1	67.8	77.8	122.2	8.71	9/16 UNF	44.5	190.5	M8	9.7	50.0	8.2	10.0	9.8	10.3	

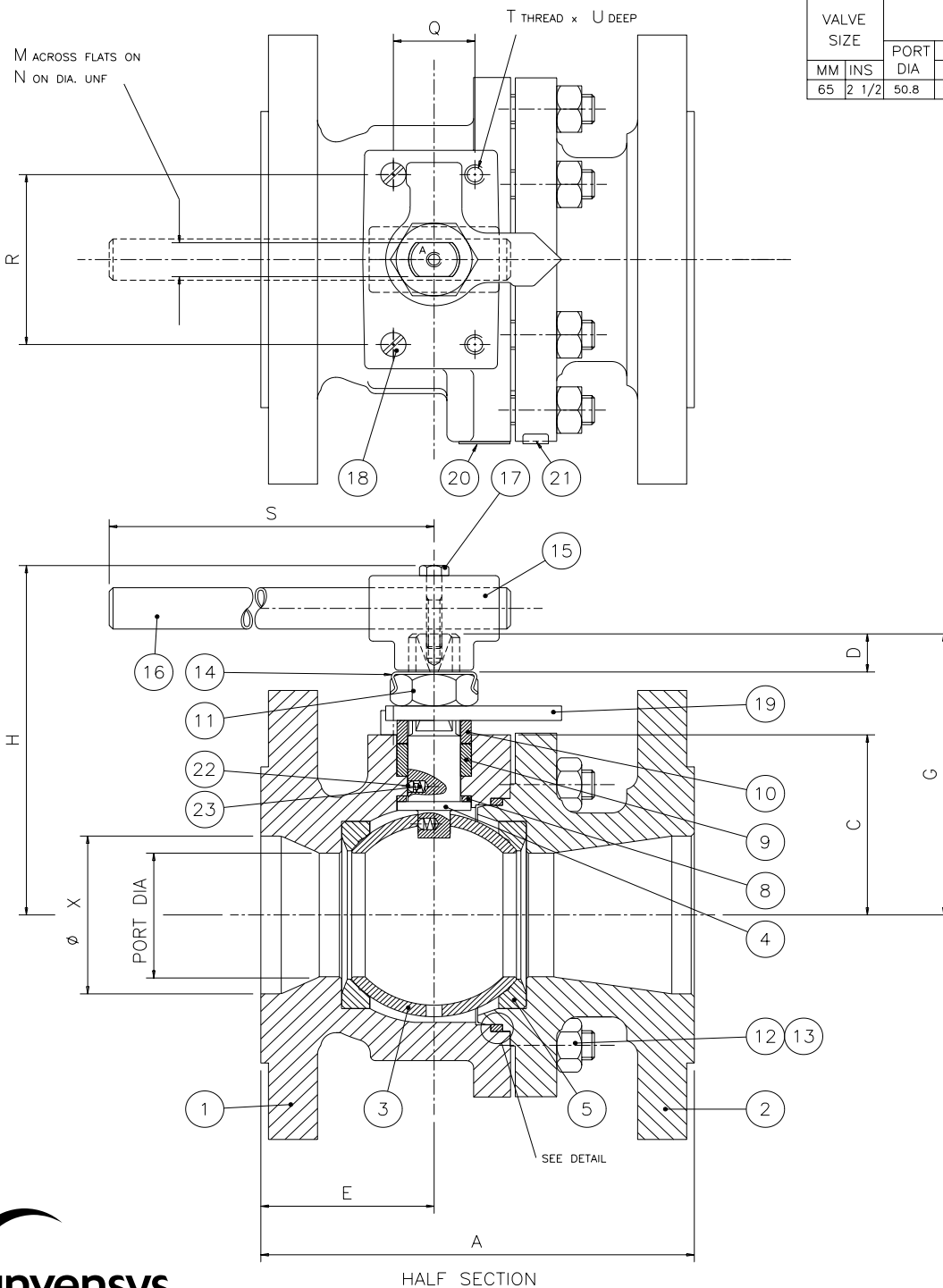


ITEM No	DESCRIPTION	MATERIAL	QTY
1	BODY	STAINLESS STEEL ASTM A182 F316 / ASTM 351 CF8M CARBON STEEL ASTM A105 / A216 WCB	1
2	INSERT	STAINLESS STEEL 316 CARBON STEEL BS 970 070M20	1
3	BALL	STAINLESS STEEL 316	1
4	STEM	STAINLESS STEEL 316	1
5	SEAT RING	* T PTFE VIRGIN R PTFE 15% GLASS FILLED H VX1 PTFE REINFORCED P POLYFILL REINFORCED	2
6	BODY SEAL	* VIRGIN PTFE	1
7	THRUST SEAL	* PTFE 25% GLASS FILLED	1
8	GLAND PACKING	* FLEXIBLE GRAPHITE	1
9	GLAND	STAINLESS STEEL 316	1
10	DISC WASHER	* STAINLESS STEEL BS 1449 PART 2 302S25	2
11	STEM NUT	* STAINLESS STEEL 316	2
12	IDENT PLATE	STAINLESS STEEL 304	1
13	BODY PLATE	STAINLESS STEEL 304	1
14	LOCKING CLIP	* CARBON STEEL BS 1449 PART 1 CS70	1
15	WRENCH ASSEMBLY	STAINLESS STEEL 17% CHROMIUM + VINYL PLASTISOL CARBON STEEL RUSTPROOFED + VINYL PLASTISOL	1
16	STOP PIN	STAINLESS STEEL 316	1
17	SPRING WASHER	STAINLESS STEEL 316	1
18	ANTI-STATIC BALL	STAINLESS STEEL 316	1
19	ANTI-STATIC SPRING	STAINLESS STEEL 302	1

STANDARDS OF COMPLIANCE	
DESIGNED IN ACCORDANCE WITH BS 5351	
FACE TO FACE DIMENSIONS 51 SERIES BS 2080 TABLE 19 COLUMN 5 52 SERIES BS 2080 TABLE 15 COLUMN 10 53 SERIES DIN 3202 COLUMN F4 54 SERIES DIN 3202 COLUMN F1	
FLANGE CONNECTIONS 51 SERIES BS 1560 / BS 4504 / BS 10 52 SERIES BS 1560 / BS 4504 / BS 10 53 SERIES DIN 2543/5 54 SERIES DIN 2543/5	
PRESSURE TEST SPECIFICATION :	BS 6755 PART 1
FIRE TEST SPECIFICATION :	BS 6755 PART 2

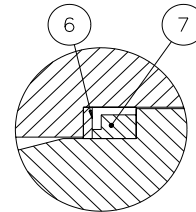
- NOTES
- DRAWING SHOWS A 25mm VALVE WITH BS 1560 CLASS 150 FLANGES.
 - VALVE PORT : 1/2 - 1" VALVES HAVE MACHINED BORE AS SHOWN.
1 1/4 - 2" VALVES HAVE CAST TAPERED BORE.
 - FOR ACTUATED VALVES ITEMS 15,16,17 & 1 OFF ITEM 11 ARE OMITTED.
 - FORMED BALL ON SIZES 1 1/4" TO 2".
 - REPAIR KIT :- ITEMS MARKED THUS * DENOTE COMPONENTS SUPPLIED IN REPAIR KIT.

53/54 15-50mm



VALVE SIZE		VALVE DIMENSIONS (mm)																	APPROX WEIGHT Kg		
MM	INS	PORT DIA	A			C	D	E	G	H	M MAX	N	Q	R	S	T	U	ØX	53	54	55
65	2 1/2	50.8	170.0	290.0	190.0	74.2	17.1	68.0	116.0	143.0	14.0	M20	32.0	70.0	254.0	M8	14.0	63.5	14.0	18.5	12.9

ITEM No	DESCRIPTION	MATERIAL	QTY
1	BODY	STAINLESS STEEL ASTM 351 CF8M CARBON STEEL ASTM A216 WCB(0.25% C MAX)	1
2	CONNECTOR	STAINLESS STEEL ASTM A351 CF8M CARBON STEEL ASTM A216 WCB(0.25% C MAX)	1
3	BALL	STAINLESS STEEL 316	1
4	STEM	STAINLESS STEEL 316	1
5	SEAT RING	* T PTFE VIRGIN R PTFE 15% GLASS FILLED H VX1 PTFE REINFORCED P POLYFILL REINFORCED	2
6	BODY SEAL PRIMARY	* VIRGIN PTFE	1
7	BODY SEAL SECONDARY	* STAINLESS STEEL / FLEXIBLE GRAPHITE	1
8	THRUST SEAL	* PTFE 25% GLASS FILLED	1
9	GLAND PACKING	* FLEXIBLE GRAPHITE	1
10	GLAND	STAINLESS STEEL 316	1
11	STEM NUT	* STAINLESS STEEL 316	1
12	BODY CONNECTOR STUD	CARBON STEEL BS.4882 GR B7M STAINLESS STEEL BS.4882 GR B8MXM	6
13	BODY CONNECTOR NUT	CARBON STEEL BS.4882 GR 2HM STAINLESS STEEL BS.4882 GR 8MXM	6
14	LOCKING CLIP	* CARBON STEEL BS 1449 PART 1 CS70	1
15	WRENCH HEAD	MALLEABLE IRON RUSTPROOFED	1
16	WRENCH HANDLE	CARBON STEEL RUSTPROOFED	1
17	WRENCH BOLT	STAINLESS STEEL 316	1
18	STOP PIN	STAINLESS STEEL 316	2
19	INDICATOR STOP	CARBON STEEL RUSTPROOFED STAINLESS STEEL 316	1
20	IDENT PLATE	STAINLESS STEEL 304	1
21	BODY PLATE	STAINLESS STEEL 304	1
22	ANTI-STATIC PLUNGER	STAINLESS STEEL 316	2
23	ANTI-STATIC SPRING	STAINLESS STEEL 302	2

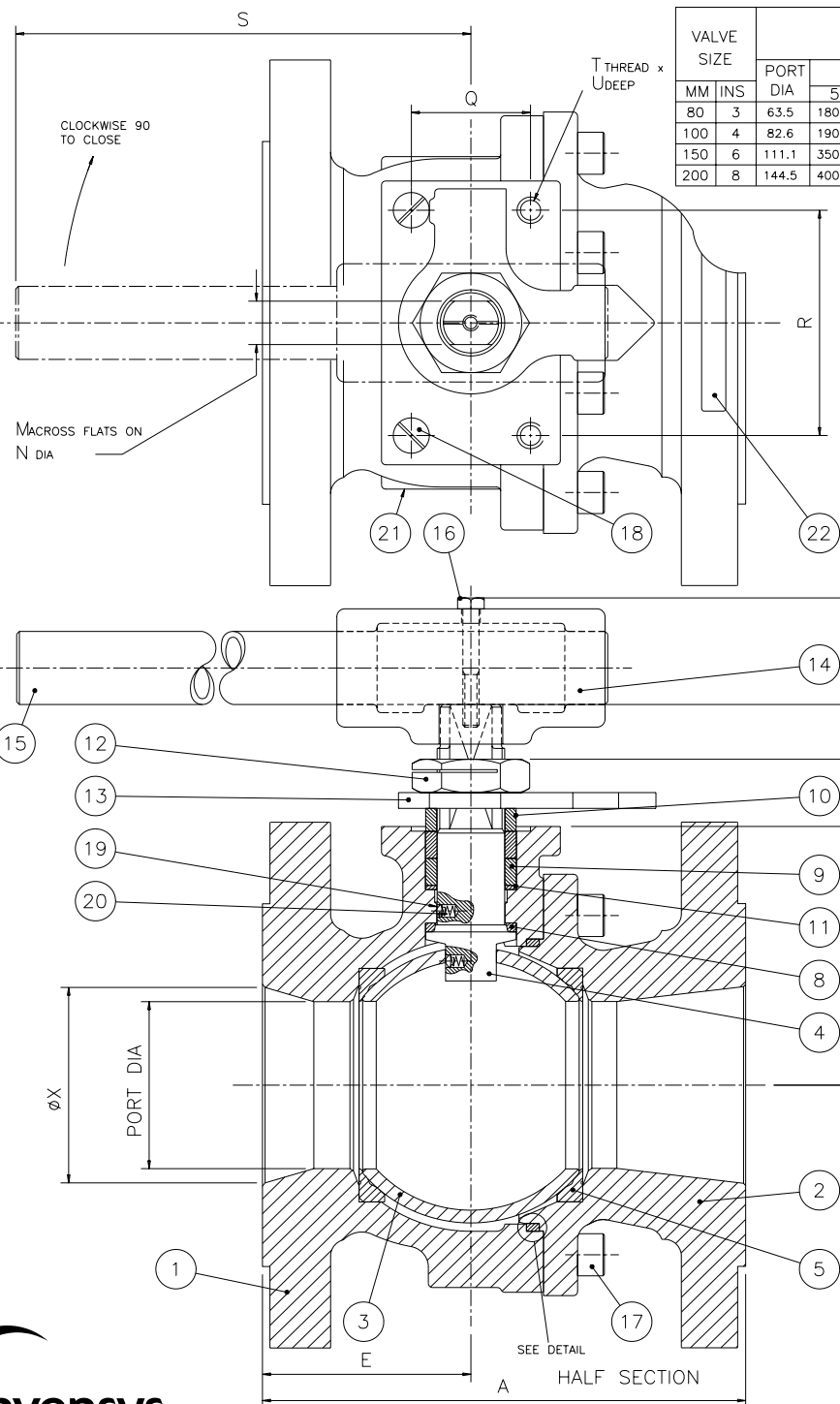


DETAIL OF BODY SEALING

- NOTES
- DRAWING SHOWS A 53 SERIES VALVE WITH DIN 2545 FLANGES.
 - FOR ACTUATED VALVES ITEMS 15,16,17,18 & 19 ARE OMITTED.
 - REPAIR KIT :- ITEMS MARKED THUS * DENOTE COMPONENTS SUPPLIED IN REPAIR KIT.
 - ADDITIONAL HOLE IN WRENCH ALLOWS WRENCH HANDLE TO BE FITTED IN MID POSITION.

STANDARDS OF COMPLIANCE	
DESIGNED IN ACCORDANCE WITH BS 5351	
FACE TO FACE DIMENSIONS 53 SERIES DIN 3202 COLUMN F4 54 SERIES DIN 3202 COLUMN F1 55 SERIES BS 2080 TABLE 19 COLUMN 5	
FLANGE CONNECTIONS 53 SERIES DIN 2543/5 54 SERIES DIN 2543/5 55 SERIES BS 1560 CLASS 150 BS 4504 PN 16/40 BS 10 TABLE 'E'	
PRESSURE TEST SPECIFICATION :	BS 6755 PART 1
FIRE TEST SPECIFICATION :	BS 6755 PART 2

53/54 65mm



VALVE SIZE		VALVE DIMENSIONS IN mm																							
MM	INS	PORT DIA	A			C	D	E			G	H	M MAX	N MAX	Q		R	S	T	U	ØX	No. OF BODY BOLTS	APPR WEIGHT Kg		
			53	54	55			53	54	55					54	53/55							53	54	55
80	3	63.5	180.0	310.0	203.0	98.4	16.7	77.8	77.8	77.8	144.8	183.7	15.87	23.0	44.5	44.5	85.7	350.0	M10	11.1	77.8	8	18.5	21.7	19.0
100	4	82.6	190.0	350.0	229.0	113.9	16.7	84.1	84.1	84.1	160.5	199.4	15.87	23.0	44.5	44.5	85.7	558.7	M10	11.1	102.4	12	24.8	30.3	26.0
150	6	111.1	350.0	—	267.0	157.2	26.2	120.6	—	120.6	226.1	283.6	23.8	35.3	—	76.2	101.6	850.0	M12	14.3	154.0	12	59.0	—	52.0
200	8	144.5	400.0	—	292.0	184.9	26.2	136.5	—	136.5	253.6	311.1	23.8	35.3	—	76.2	101.6	850.0	M12	15.9	203.2	16	85.5	—	72.0

ITEM No	DESCRIPTION	MATERIAL	QTY
1	BODY	STAINLESS STEEL ASTM 351 CF8M CARBON STEEL ASTM A216 WCB(0.25% C MAX)	1
2	BODY CONNECTOR	STAINLESS STEEL ASTM 351 CF8M CARBON STEEL ASTM A216 WCB(0.25% C MAX)	1
3	BALL	STAINLESS STEEL 316	1
4	STEM	STAINLESS STEEL 316	1
5	SEAT RING	* T PTFE VIRGIN R PTFE 15% GLASS FILLED H VX1 PTFE REINFORCED P POLYFILL REINFORCED	2
6	BODY SEAL PRIMARY	* VIRGIN PTFE	1
7	BODY SEAL SECONDARY	* STAINLESS STEEL / FLEXIBLE GRAPHITE	1
8	THRUST SEAL	* PTFE 25% GLASS FILLED	1
9	GLAND PACKING	* FLEXIBLE GRAPHITE	2
10	GLAND	STAINLESS STEEL 316	1
11	STEM LOCATION WASHER	STAINLESS STEEL 316	1
12	STEM NUT	* STAINLESS STEEL 304	1
13	INDICATOR STOP	CARBON STEEL RUSTPROOFED STAINLESS STEEL 316	1
14	WRENCH HEAD	CARBON STEEL RUSTPROOFED	1
15	WRENCH HANDLE	CARBON STEEL RUSTPROOFED	1
16	WRENCH BOLT	CARBON STEEL RUSTPROOFED	1
17	BODY BOLT	CARBON STEEL	—
18	STOP PIN	CARBON STEEL RUSTPROOFED STAINLESS STEEL 601	2
19	ANTI-STATIC PLUNGER	STAINLESS STEEL 601	2
20	ANTI-STATIC SPRING	STAINLESS STEEL 605	2
21	IDENT PLATE	STAINLESS STEEL 304	1
22	BODY PLATE	STAINLESS STEEL 304	1

DETAIL OF BODY SEALING

STANDARDS OF COMPLIANCE	
DESIGNED IN ACCORDANCE WITH BS 5351	
FACE TO FACE DIMENSIONS 53 SERIES DIN 3202 COLUMN F4 54 SERIES DIN 3202 COLUMN F1 55 SERIES BS 2080 TABLE 19 COLUMN 5	
FLANGE CONNECTIONS 53 SERIES DIN 2543/4/5/6 54 SERIES DIN 2543/4/5/6 55 SERIES BS 1560 / BS 4504 / BS 10	
PRESSURE TEST SPECIFICATION TO :	BS 6755 PART 1 FIRE TEST SPECIFICATION : BS 6755 PART 2

- NOTES
- DRAWING SHOWS A 80mm VALVE WITH BS 1560 CLASS 150 FLANGES.
 - FOR ACTUATED VALVES ITEMS 13,14,15,16 & 18 .
 - REPAIR KIT :- ITEMS MARKED THUS * DENOTE COMPONENTS SUPPLIED IN REPAIR KIT.
 - ADDITIONAL HOLE IN WRENCH ALLOWS WRENCH HANDLE TO BE FITTED IN MID POSITION.

53/54 80-200mm