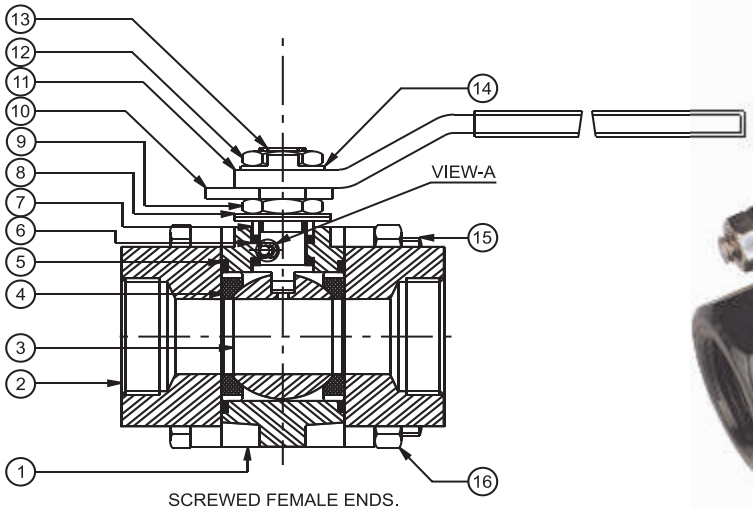
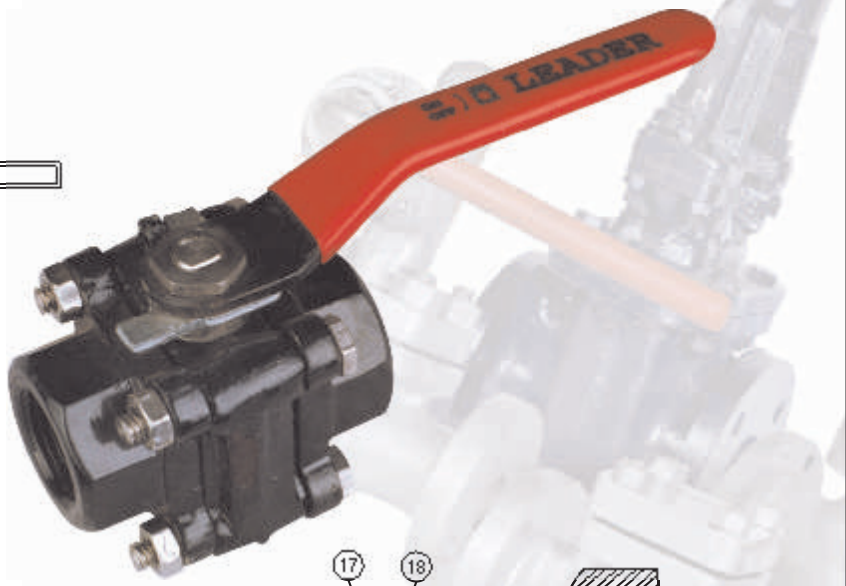
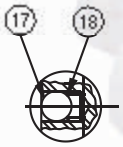
FORGED STEEL BALL VALVES-
BSEN ISO 17292, ASME B16.34 (Fire Safe)

SPECIFICATIONS: Three Piece, Full Bore/Reduced Bore Design, Blow out proof stem & floating ball design.



SCREWED FEMALE ENDS.





ANTISTATIC DESIGN
(VIEW-A)

SOCKET WELDED ENDS.

NOTES :
1) UNLESS OTHERWISE SPECIFIED, SOCKET WELD ENDS SHALL CONFIRM TO BSEN ISO 17292 TABLE-5.
2) PLEASE FOLLOW LATEST YEAR FOR STANDARD.

STANDARD MATERIAL COMBINATION

P.NO.	DESCRIPTION	MATERIALS	SPECIFICATIONS
1.	BODY	F.C.S.	ASTM A 105
2.	PIPE CONNECTOR	F.C.S.	ASTM A 105
3.	BALL	S.S./C.S.S.	ASTM A 276 TYPE 304/ ASTM A 351 CF8
4.	SEAT	VIRGIN UNIFILLED OIL FREE PTFE	
5.	BODY SEAL	VIRGIN UNIFILLED OIL FREE PTFE	
6.	STEM & GLAND SEAL	VIRGIN UNIFILLED OIL FREE PTFE	
7.	GLAND	S.S.	ASTM A 276 TYPE 304
8.	BELLEVILLE WASHER	SPRING STEEL	ZINC PLATED
9.	STEM NUT	S.S.	ASTM A 276 TYPE 304
10.	STOPER PLATE	CARBON STEEL	IS 2062
11.	LEVER (ZINC PLATED)	CARBON STEEL PLATE WITH PLASTIC SLEEVE	
12.	LEVER NUT	S.S.	ASTM A 276 TYPE 304
13.	STEM	S.S.	ASTM A 276 TYPE 304
14.	LOCKING WASHER	CARBON STEEL	IS 2062
15.	BOLTS/STUDS	ALLOY STEEL	ASTM A 193 Gr. B7
16.	NUTS	H.T. STEEL	ASTM A 194 Gr,2H
17.	ANTISTATIC BALL	S.S.	TYPE 316
18.	SPRING	S.S.	TYPE 316

Body Material Combination with CF3, CF3M, CF8, CF8M, (Investment Casting) also provided.

FORGED STEEL BALL VALVES/FIRE SAFE- BSEN ISO 17292, ASME B16.34

TRIM MATERIAL COMBINATION (ON REQUEST)

Trim No.	Seat Ring Face	Wedge Seat Face	Stem	Backseat Bush	Lantern Ring
1	F6a/13%Cr.	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
2	F304	F304	F304/AISI304	F304/AISI304	F304/AISI304
5	STELLITE	STELLITE	F6a/AISI410	F6a/AISI410	F6a/AISI410
8	STELLITE	F6a/13%Cr.	F6a/AISI410	F6a/AISI410	F6a/AISI410
9	MONEL	MONEL	MONEL	MONEL	MONEL
10	F316	F316	F316/AIS1316	F316/AIS1316	F316/AIS1316
12	316+STELLITE	316	F316/AISI316	F316/AISI316	F316/AISI316
13	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20

NOTE: Other Trim Combination can be provided as Trim Material Combination.

• All dimensions in mm

DIMENSIONAL DATA CLASS - 800 (REDUCED BORE)

DN	L	ϕb	H	NPT	LL	ϕSWE $^{+0.5}_{-0.0}$	(Min.) D	Aprox.Wt. ⏊
15mm	60	9.5	80	½"	165	21.8	11	0.7
20mm	70	12.5	82	3/4"	165	27.4	14	0.75
25mm	85	19	103	1"	180	34.1	14	1.44
32mm	95	25	112	1 1/4"	180	42.9	14	2.6
40mm	110	32	118	1 ½"	230	49	14	3.15
50mm	120	40	122	2"	272	61	17	3.285

DIMENSIONAL DATA CLASS - 800 (FULL BORE)

DN	L	ϕb	H	NPT	LL	ϕSWE $^{+0.5}_{-0.0}$	(Min.) D	Aprox.Wt. ⏊
8mm	60	9.5	80	1/4"	165	-	9.5	0.7
10mm	60	9.5	80	3/8"	165	-	9.5	0.7
15mm	70	12.5	82	½"	165	21.8	11	0.75
20mm	85	19	103	3/4"	180	27.4	14	1.44
25mm	95	25	112	1"	180	34.1	14	2.6
32mm	110	32	118	1 1/4"	230	42.9	14	3.15
40mm	120	40	122	1½"	272	49	14	3.285

NOTE: The above data is subject to change without notice due to our continuing product improvement program. **(⏊ WEIGHT GIVEN IN KGS)**

TEST PRESSURES

CLASS	SHELL TEST (HYDROSTATIC)		SEAT TEST			
			HYDROSTATIC		PNEUMATIC	
800	207 Bar	3003 Psi g	152 Bar	2205 Psi g	6.9 bar	100 Psi g