



Fusion Series 334

Threaded, Socket weld Three-piece ball valve

High Pressure Ball Valve

Full Port ¼" ~ 2" sizes, Regular Port ¾" ~ 3" sizes

Threaded & Socket weld - 3000, 4000, 6000 WOG

ASME B16.34 Standard

Blowout Proof Stem

Standard Welding "Fins" on Socket weld Valves

Double Seal at Stem and Body Connections

Material to NACE MR0175

Standard Marking to MSS SP-25

Fire Safe Certified to API 607

Pressure Tests to API 598

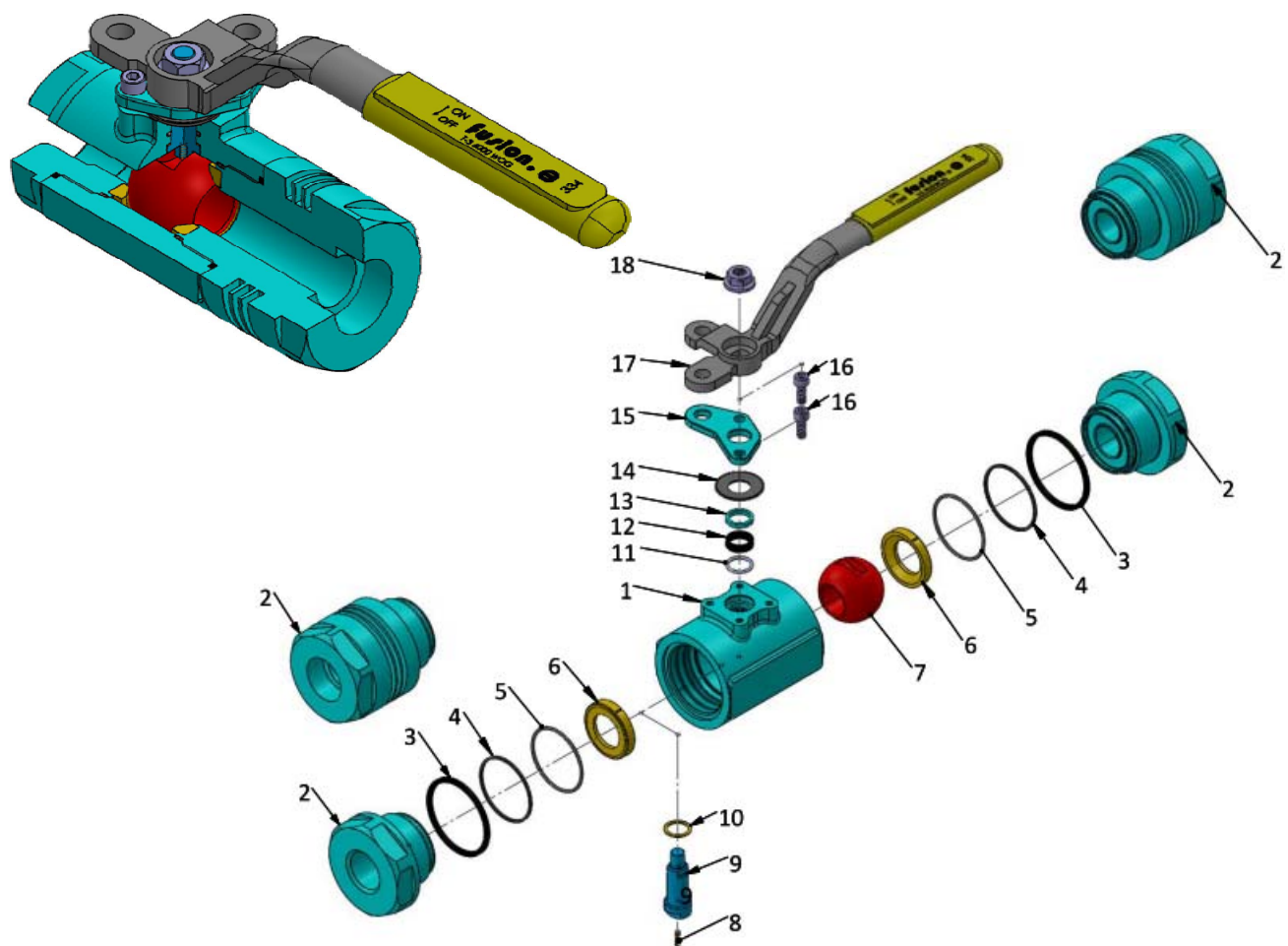
Standard Locking Handle

Standard Anti-static Device

3000 WOG Seal Welded Tailpiece option- "HSBF"

4000 WOG Seal Welded Tailpiece option- "HYBF"

6000 WOG Seal Welded Tailpiece option- "HYBF"



Fusion Series 334

Bill of Materials

ITEM	PART	STAINLESS STEEL	SOUR LOW TEMP (NACE)	SOUR (NACE)	Q'TY
1	BODY	ASTM A351 CF8M / ASTM A479 316	ASTM A350 LF2 / ASTM A352 LCC	ASTM A105N / ASTM A216 WCB	1
2	END CAP	ASTM A479 316	ASTM A350 LF2	ASTM A105N	2
☆ 3	BODY GASKET	GRAPHITE	GRAPHITE	GRAPHITE	2
☆ 4	BACKUP RING	NITRILE	NITRILE	NITRILE	2
☆ 5	END CAP O-RING	TEFLON / HNBR	VITON GLT / HNBR	VITON / HNBR	2
☆ 6	SEAT	RTFM / VIRGIN PEEK	RTFM / VIRGIN PEEK	RTFM / VIRGIN PEEK	2
7	BALL	ASTM A351 CF8M / A182 F316 / ASTM A564 630 H1150D	ASTM A351 CF8M / A182 F316 / ASTM A564 630 H1150D	ASTM A351 CF8M / A182 F316 / ASTM A564 630 H1150D	1
8	SPRING	304SS	304SS	304SS	1
9	STEM	ASTM A564 630 H1150D	ASTM A564 630 H1150D	ASTM A564 630 H1150D	1
☆ 10	THRUST WASHER	RTFM / PEEK	RTFM / PEEK	RTFM / PEEK	1
☆ 11	BODY O-RING	VITON / HNBR	VITON GLT / HNBR	VITON / HNBR	1
☆ 12	PACKING	GRAPHITE	GRAPHITE	GRAPHITE	1
13	PACKING FOLLOW	304SS	304SS	304SS	1
14	BELLEVILLE WASHER	304SS	304SS	304SS	1
15	GLAND FLANGE	304SS	CS	CS	1
16	BOLT	ASTM A320 L7M PLATED	ASTM A320 L7M	ASTM A320 L7M	2
17	HANDLE	ASTM A351 CF8	CS	CS	1
18	HANDLE NUT	304SS	CS	CS	1

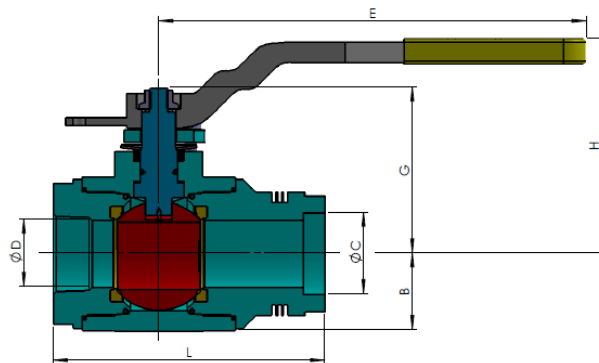
Note 1 : ☆ Minor repair kit :

Note 2 : ITEM 4 With 6000 WOG Only

Note 3 : (ITEM 6) RTFM for 3000 WOG , VIRGEN PEEK for 4000 and 6000 WOG

Note 4 : (ITEM 7) BALL Material ASTM A351 CF8M/A182 F316 for 3000 WOG , ASTM A564 630 H1150D for 4000 WOG and 6000 WOG

Note 5 : (ITEM 10) RTFM for 3000 WOG , PEEK for 4000 and 6000 WOG

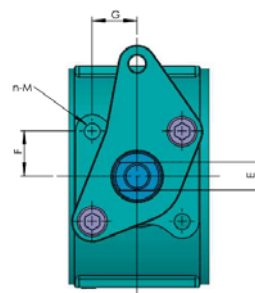
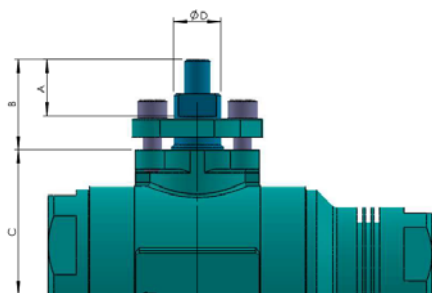


Weights and Dimensions

SIZE	WOG	BORE	D	C	L	L	L	B	G	H	E	Cv	WEIGHT
In/DN			In/mm	In/mm	NPT	SW	NPT X SW	In/mm	In/mm	In/mm	In/mm	Gal/min	SW Kg/Lbs
1/4 /8	3000	FP	0.50/12.7	0.57/14.4	3.86/98	5.00/127	4.43/112	0.87/22	1.61/41	3.15/80	6.50/165	9	1.6/3.5
	4000	FP	0.50/12.7	0.57/14.4	3.86/98	5.00/127	4.43/112	0.87/22	1.61/41	3.15/80	6.50/165	9	1.6/3.5
3/8 /10	3000	FP	0.50/12.7	0.70/17.7	3.86/98	5.00/127	4.43/112	0.87/22	1.61/41	3.15/80	6.50/165	9	1.6/3.5
	4000	FP	0.50/12.7	0.70/17.7	3.86/98	5.00/127	4.43/112	0.87/22	1.61/41	3.15/80	6.50/165	9	1.6/3.5
1/2 /15	3000	FP	0.50/12.7	0.87/22.0	3.86/98	5.00/127	4.43/112	0.87/22	1.61/41	3.15/80	6.50/165	26	1.6/3.5
	4000	FP	0.50/12.7	0.87/22.0	4.37/111	5.00/127	4.43/112	0.87/22	1.61/41	3.15/80	6.50/165	26	1.6/3.5
3/4 /20	3000	FP	0.75/19.0	1.08/27.4	4.25/108	6.73/171	5.49/140	1.08/28	2.25/57	3.67/93	8.07/205	61	2.4/5.3
	3000	RP	0.50/12.7	1.08/27.4	4.37/111	6.75/172	5.56/141	0.87/22	1.61/41	3.15/80	6.50/165	14	2.1/4.6
	4000	FP	0.75/19.0	1.08/27.4	4.25/108	6.73/171	5.49/140	1.18/30	2.25/57	3.67/93	8.07/205	61	2.8/6.2
	6000	RP	0.50/12.7	1.08/27.4	4.37/111	6.75/171	5.56/141	0.87/22	1.61/41	3.15/80	6.50/165	14	2.3/5.1
1 /25	3000	FP	1.00/25.4	1.34/34.1	5.22/133	6.72/171	5.97/152	1.27/32	2.51/64	3.93/100	8.07/205	110	4.2/9.2
	3000	RP	0.75/19.0	1.34/34.1	4.25/108	6.75/171	5.49/140	0.87/22	2.25/57	3.67/93	8.07/205	25	2.9/6.4
	4000	FP	1.00/25.4	1.34/34.1	5.38/137	6.72/171	5.97/152	1.40/36	2.51/64	3.93/100	8.07/205	110	4.7/10.3
	6000	RP	0.75/19.0	1.34/34.1	5.24/133	6.75/171	5.98/152	1.18/30	2.25/57	3.67/93	8.07/205	25	3.6/7.9
1-1/4 /32	3000	FP	1.50/38.0	1.69/42.9	6.26/159	8.54/217	7.40/188	2.00/51	3.56/91	5.30/135	10.04/ 255	170	10.2/22.4
	3000	RP	1.00/25.4	1.69/42.9	6.24/159	8.69/221	7.45/189	1.27/32	2.51/64	3.93/100	8.07/205	50	5.9/13.0
	4000	FP	1.50/38.0	1.69/42.9	6.30/160	8.54/217	7.42/189	2.23/57	3.56/91	5.30/135	10.04/255	170	11.4/25.1
	6000	RP	1.00/25.4	1.69/42.9	3.69/94	8.69/221	6.19/157	1.40/36	2.51/64	3.93/100	8.07/205	50	6.5/4.3
1-1/2 /40	3000	FP	1.50/38.0	1.93/49.0	6.26/159	8.54/217	7.40/188	2.00/51	3.56/91	5.30/135	10.04/255	260	10.1/22.2
	3000	RP	1.00/25.4	1.93/49.0	6.40/163	8.69/221	7.54/192	1.27/32	2.51/64	3.93/100	8.07/205	38	5.8/12.8
	4000	FP	1.50/38.0	1.93/49.0	6.30/160	8.54/217	7.40/188	2.23/57	3.56/91	5.30/135	10.04/255	260	11.2/24.6
	6000	RP	1.00/25.4	1.93/49.0	6.40/163	8.69/221	7.54/192	1.40/36	2.51/64	3.93/100	8.07/205	38	6.3/ 43.9
2 /50	3000	FP	2.00/50.8	2.42/61.4	6.26/159	9.84/250	8.05/205	2.54/65	4.92/125	6.30/160	12.40/315	480	16.5/36.3
	3000	RP	1.50/38.0	2.42/61.4	6.26/159	8.54/217	7.40/188	2.00/51	3.56/91	5.30/135	10.04/255	100	9.5/20.9
	4000	FP	2.00/50.8	2.42/61.4	6.26/159	9.84/250	8.05/205	2.84/72	4.92/125	6.30/160	12.40/315	480	18.0/39.6
	6000	RP	1.50/38.0	2.42/61.4	7.40/188	8.54/217	7.97/203	2.23/57	3.56/91	5.30/135	10.04/255	100	10.5/23.1
3 /80	3000	RP	2.00/50.8	3.54/90.0	10.00/254	12.76/324	11.38/289	2.54/65	4.92/125	6.30/160	12.40/315	350	24.3/53.6
	4000	RP	2.00/50.8	3.54/90.0	10.28/261	12.76/324	11.52/292	2.84/72	4.92/125	6.30/160	12.40/315	350	24.3/53.6

Note 1 : "L" DIMENSION ± 0.06 in. /1.5 mm

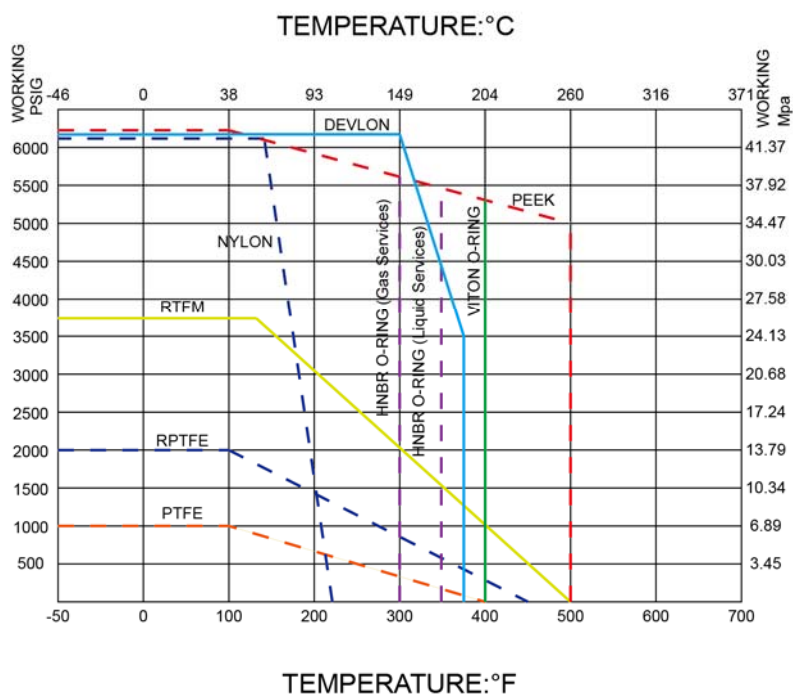
Note 2 : "B" DIMENSION FOR FORGING BODY



Actuator Mounting Dimensions

SIZE	BORE	A	B	C	D	E(FLAT)	F	G	n-M
In/DN		In/mm	In/mm	In/mm	In/mm	In/mm	In/mm	In/mm	mm
1/4 /8	FP	0.43/11	0.63/16	0.98/25	0.47/12	0.26/6.5	0.47/12	0.47/12	4-M5X9 DEEP
3/8 /10	FP	0.43/11	0.63/16	0.98/25	0.47/12	0.26/6.5	0.47/12	0.47/12	4-M5X9 DEEP
1/2 /15	FP	0.43/11	0.63/16	0.98/25	0.47/12	0.26/6.5	0.47/12	0.47/12	4-M5X9 DEEP
3/4 /20	FP	0.55/14	0.83/21	1.42/36	0.47/12	0.33/8.5	0.47/12	0.47/12	4-M5X9 DEEP
	RP	0.43/11	0.63/16	0.98/25	0.47/12	0.26/6.5	0.47/12	0.47/12	4-M5X9 DEEP
1 /25	FP	0.55/14	0.85/22	1.65/42	0.47/12	0.33/8.5	0.47/12	0.47/12	4-M5X9 DEEP
	RP	0.55/14	0.83/21	1.42/36	0.47/12	0.33/8.5	0.47/12	0.47/12	4-M5X9 DEEP
1-1/4 /32	FP	0.83/21	2.78/71	2.24/57	0.75/20	0.43/11	0.79/20	0.79/20	4-M8X10 DEEP
	RP	0.55/14	0.83/21	1.65/42	0.47/12	0.33/8.5	0.47/12	0.47/12	4-M5X9 DEEP
1-1/2 /40	FP	0.83/21	2.78/71	2.24/57	0.75/20	0.43/11	0.79/20	0.79/20	4-M8X10 DEEP
	RP	0.55/14	0.83/21	1.65/42	0.47/12	0.33/8.5	0.47/12	0.47/12	4-M5X9 DEEP
2 /50	FP	1.18/30	1.89/48	3.03/77	1.00/25	0.59/15	0.94/24	0.94/24	4-M10X15 DEEP
	RP	0.83/21	2.78/71	2.24/57	0.75/20	0.43/11	0.79/20	0.79/20	4-M8X10 DEEP
3 /80	RP	1.18/30	1.89/48	3.03/77	1.00/25	0.59/15	0.94/24	0.94/24	4-M10X15 DEE

PRESSURE/TEMPERATURE CURVE



TORQUE DATA

Torque Data is published separately and available upon request. Please contact your local representative for details.