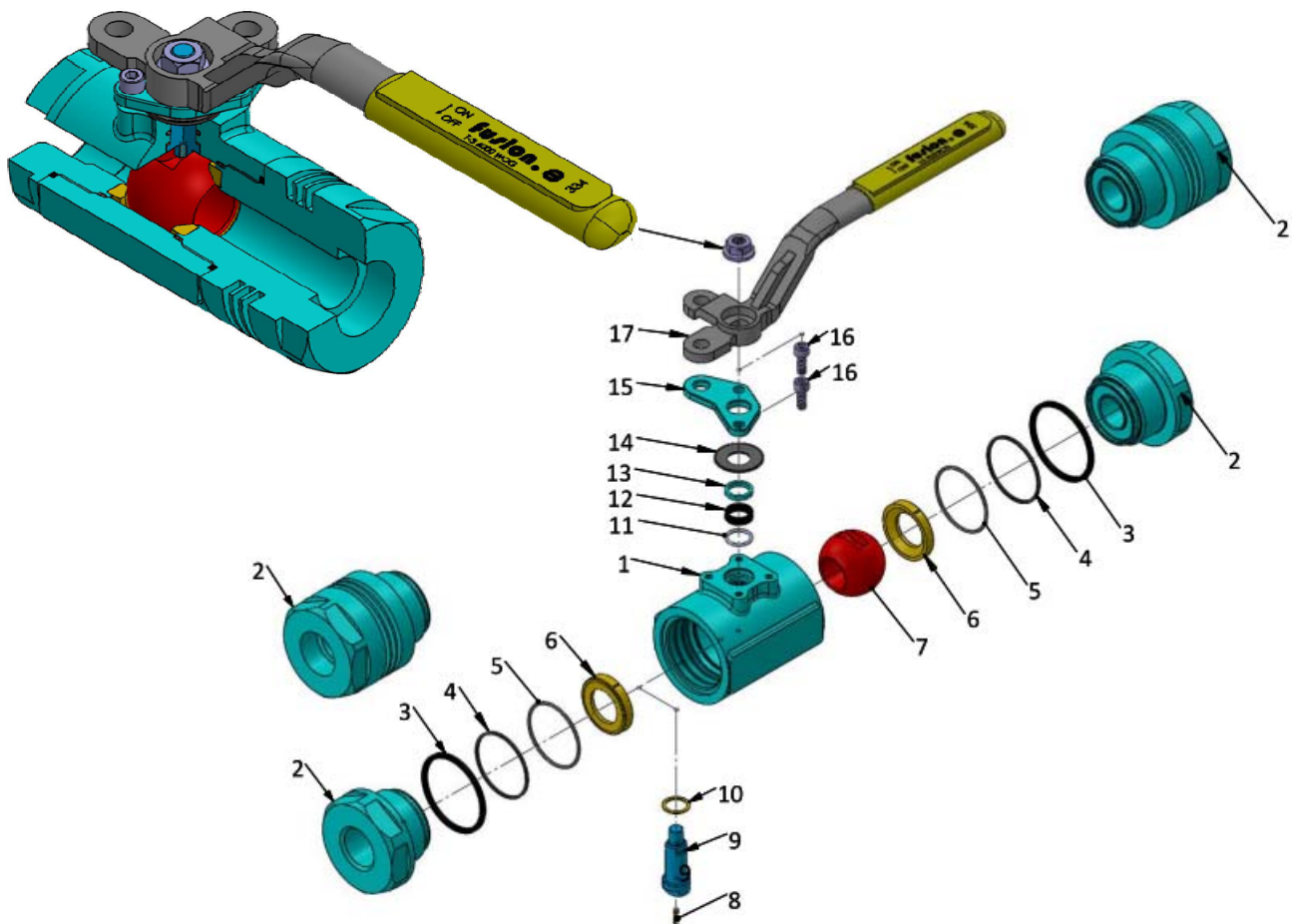




# Crown - fusion Series 334

- Threaded, Socket weld Three-piece ball valve
- High Pressure Ball Valve
- Full Port 1/4" ~ 2" sizes, Regular Port 3/4" ~ 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
- Fugitive Emissions Certified to API 641
- 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"





# Crown - 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 A105 / A105N ASTM A216 WCB	1
2	END CAP	ASTM A479 316	ASTM A350 LF2	ASTM A105 / 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	TFM / VIRGIN PEEK	TFM / VIRGIN PEEK	TFM / 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	TFM / PEEK	TFM / PEEK	TFM / PEEK	1
☆ 11	STEM 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

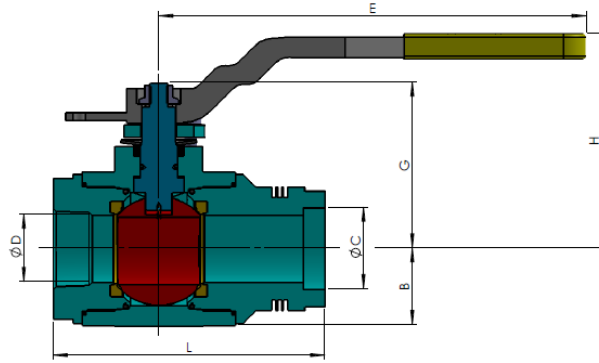
Note 4 : (ITEM 7) BALL Material ASTM A351 CF8M/A182 F316 for 3000 WOG , ASTM A564 630 H1150D for 4000 WOG and 6000 WOG

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





# Crown - fusion Series 334



## Weights and Dimensions

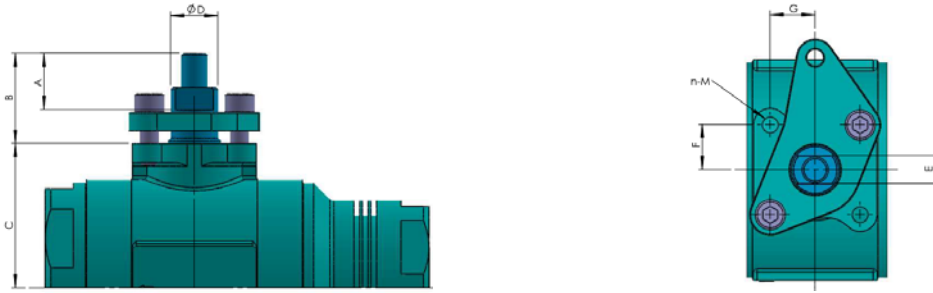
SIZE	WOG	BORE	D	C	L			B	G	H	E	Cv	WEIGHT	
					In/mm	In/mm	NPT						SW	NPT X SW
In/DN					In/mm	In/mm	In/mm	In/mm	In/mm	In/mm	In/mm		Kg/Lbs	
1/4 /8	3000	FP	0.50/12.7	0.57/14.4	3.86/98	5.00/127	4.43/112	0.87/22	1.61/41	3.15/80	6.50/165	9	1.6/3.5	
	4000													
3/8 /10	3000	FP	0.50/12.7	0.70/17.7	3.86/98	5.00/127	4.43/112	0.87/22	1.61/41	3.15/80	6.50/165	9	1.6/3.5	
	4000													
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													
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	
	4000													
	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													
6000	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
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			
	4000													
	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													
6000	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
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			
	4000													
	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													
6000	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
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			
	4000													
	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													
6000	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
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			
	4000													
	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													
6000	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
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			
	4000													
6000	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





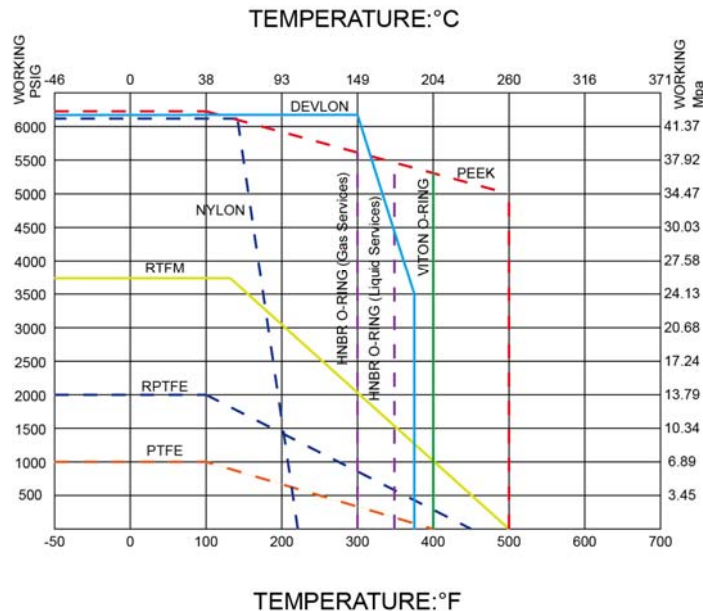
# Crown - fusion Series 334



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.

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