



**MASON INDUSTRIES, Inc.**

**MERCER RUBBER Co.**

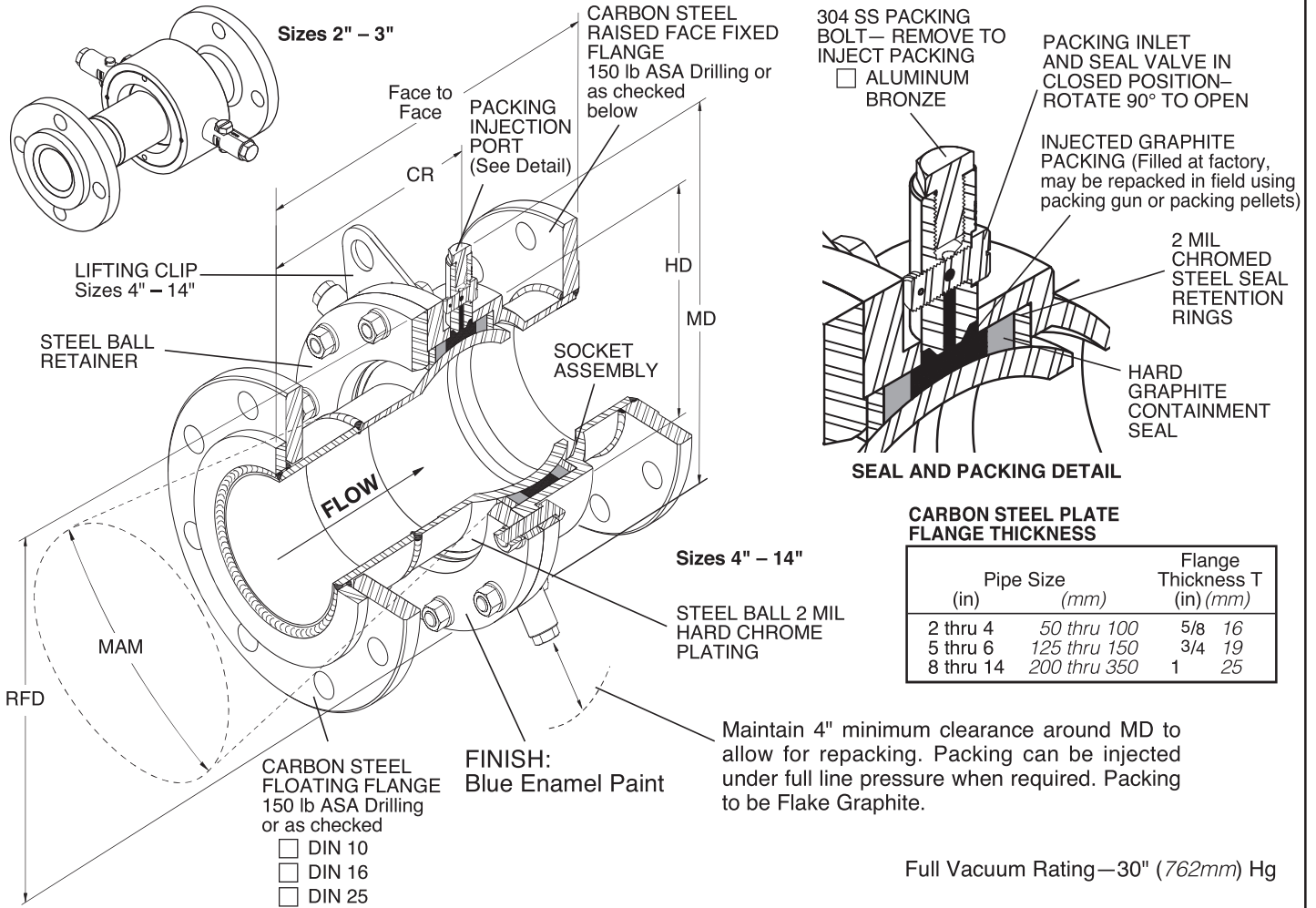
350 Rabro Drive, Hauppauge, NY 11788  
 Mason- 631/348-0282 • Info@Mason-Ind.com  
 Mercer- 631/582-1524 • Info@Mercer-Rubber.corr.  
 FAX 631/348-0279



JOB NAME \_\_\_\_\_  
 CUSTOMER \_\_\_\_\_  
 CUSTOMER P.O. \_\_\_\_\_  
 MASON M. \_\_\_\_\_  
 DWG No. \_\_\_\_\_

**BJF150**

**BALL JOINT with  
 150 lb ASA FIXED  
 and FLOATING  
 FLANGES**



**BJF150 DIMENSIONS AND PRESSURE RATINGS (American & Metric Units)**

BJF150 Size	Pipe Size (in) (mm)	Face to Face (in) (mm)	CR Center of Rotation (in) (mm)	RFD Retainer Flange Diameter (in) (mm)	HD Hub Diameter (in) (mm)	MD Max. Diameter (in) (mm)	MAM Max. Angular Movement (degrees)	Maximum Pressure @480°F @249°C (psi) (kg/cm²)	Starting Resistance Torque (ft-lbs) (N-m)	Number of Ports
2	2 50	103/4 273	7 178	— —	51/4 135	115/8 295	30	150 10	200 271	2
2 1/2	2 1/2 65	111/8 283	7 1/8 181	— —	57/8 149	123/8 314	15	150 10	230 312	2
3	3 80	113/4 298	7 1/4 184	— —	65/8 168	13 330	15	150 10	320 433	2
4	4 100	137/8 352	8 1/4 210	107/8 275	77/8 200	14 1/4 362	15	150 10	600 813	4
5	5 125	137/8 352	8 1/8 206	12 305	9 230	15 1/2 394	15	150 10	1000 1356	4
6	6 150	15 381	8 3/4 222	13 1/4 340	10 1/2 265	16 3/4 425	15	150 10	2000 3677	5
8	8 200	17 1/2 445	9 7/8 251	16 405	12 7/8 327	19 1/4 489	15	150 10	3300 4474	6
10	10 250	19 1/4 489	10 3/4 273	19 3/8 492	16 405	21 5/8 549	15	150 10	6000 8135	7
12	12 300	21 1/2 546	12 3/8 315	21 7/8 554	18 3/8 467	24 1/2 622	15	150 10	7500 10169	8
14	14 350	23 584	12 1/2 318	24 1/2 622	20 1/8 511	25 7/8 657	15	150 10	11000 14914	9

\*NOTE: All ball joints provide 360° torsional rotation.

QTY	SIZE	TAG	QTY	SIZE	TAG

Certification Form S-582 08/2021      DWN      CHKD      DATE      DWG No.



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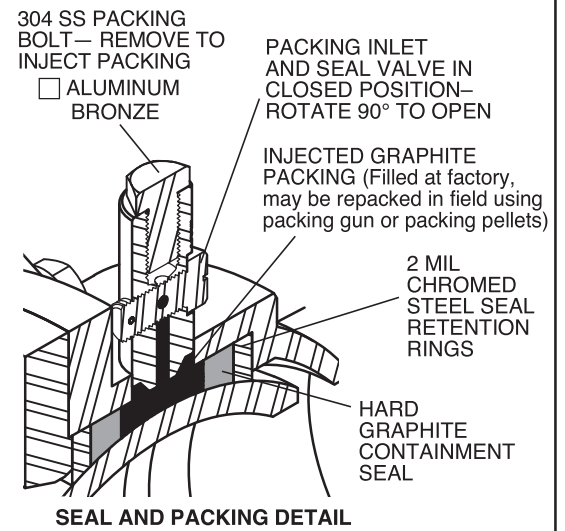
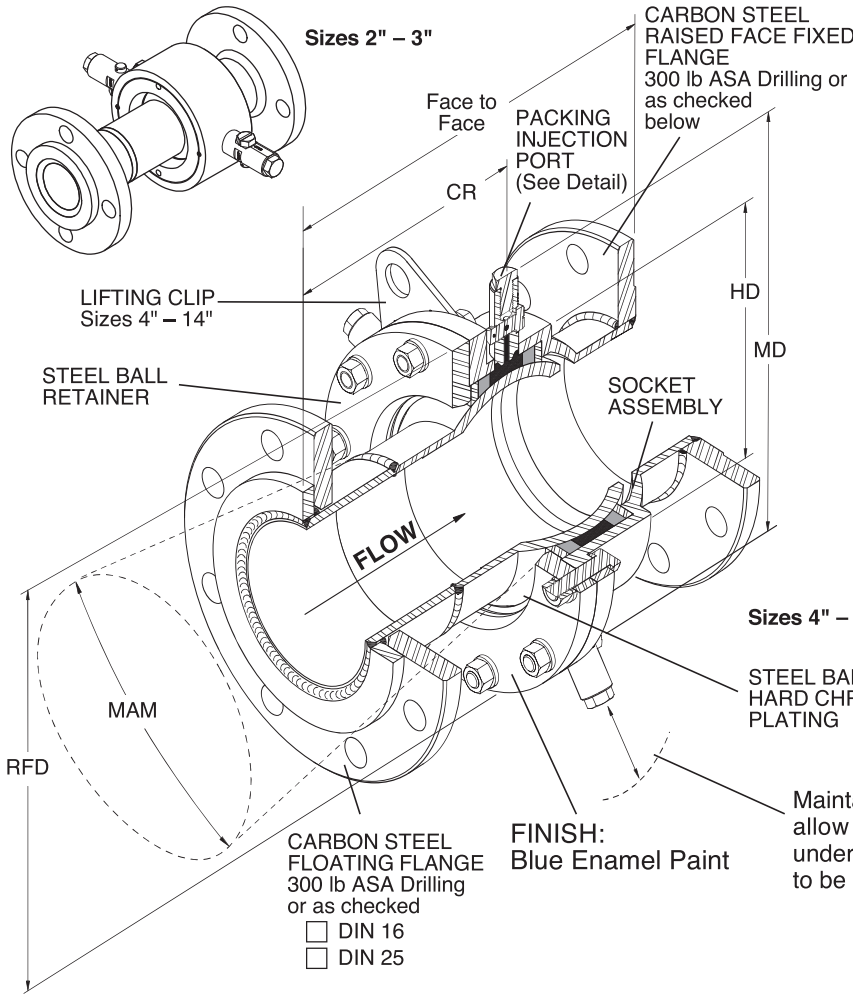
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 MASON M. \_\_\_\_\_  
 DWG No. \_\_\_\_\_

**BJF300**

**BALL JOINT with  
 300 lb ASA FIXED  
 and FLOATING  
 FLANGES**



**CARBON STEEL PLATE  
 FLANGE THICKNESS**

Pipe Size (in)	Pipe Size (mm)	Flange Thickness T (in)	Flange Thickness T (mm)
2 thru 4	50 thru 100	5/8	16
5 thru 6	125 thru 150	3/4	19
8 thru 14	200 thru 350	1	25

Maintain 4" minimum clearance around MD to allow for repacking. Packing can be injected under full line pressure when required. Packing to be Flake Graphite.

Full Vacuum Rating – 30" (762mm) Hg

**BJF300 DIMENSIONS AND PRESSURE RATINGS (American & Metric Units)**

BJF300 Size	Pipe Size (in) (mm)	Face to Face (in) (mm)	CR Center of Rotation (in) (mm)	RFD Retainer Flange Diameter (in) (mm)	HD Hub Diameter (in) (mm)	MD Max. Diameter (in) (mm)	MAM Max. Angular Movement (degrees)	Maximum Pressure @480°F @249°C (psi) (kg/cm²)	Starting Resistance Torque (ft-lbs) (N-m)	Number of Ports
2	2 50	77/8 200	41/4 109	- -	51/4 132	117/8 296	30	250 17	270 366	2
2 1/2	2 1/2 65	85/8 220	43/4 120	- -	6 150	123/8 314	15	250 17	542 735	2
3	3 80	91/2 240	51/8 130	- -	6 1/2 165	13 329	15	250 17	704 954	2
4	4 100	117/8 300	61/2 165	107/8 275	77/8 200	141/4 364	15	250 17	1330 1803	4
5	5 125	123/8 315	61/4 177	12 305	9 230	151/2 394	15	250 17	1954 2648	4
6	6 150	131/2 345	7 191	131/4 340	101/2 265	167/8 429	15	250 17	3266 4426	5
8	8 200	161/4 410	85/8 220	16 405	13 330	191/2 494	15	250 17	6532 8852	6
10	10 250	181/8 460	10 253	193/8 492	16 405	221/4 569	15	250 17	10845 14696	7
12	12 300	193/4 502	105/8 270	22 557	181/2 470	25 634	15	250 17	20178 27342	8
14	14 350	211/4 540	111/5 291	235/8 600	20 510	261/2 674	15	250 17	24334 32973	9

\*NOTE: All ball joints provide 360° torsional rotation.

QTY	SIZE	TAG	QTY	SIZE	TAG

Certification Form S-583 08/2021	DWN	CHKD	DATE	DWG No.
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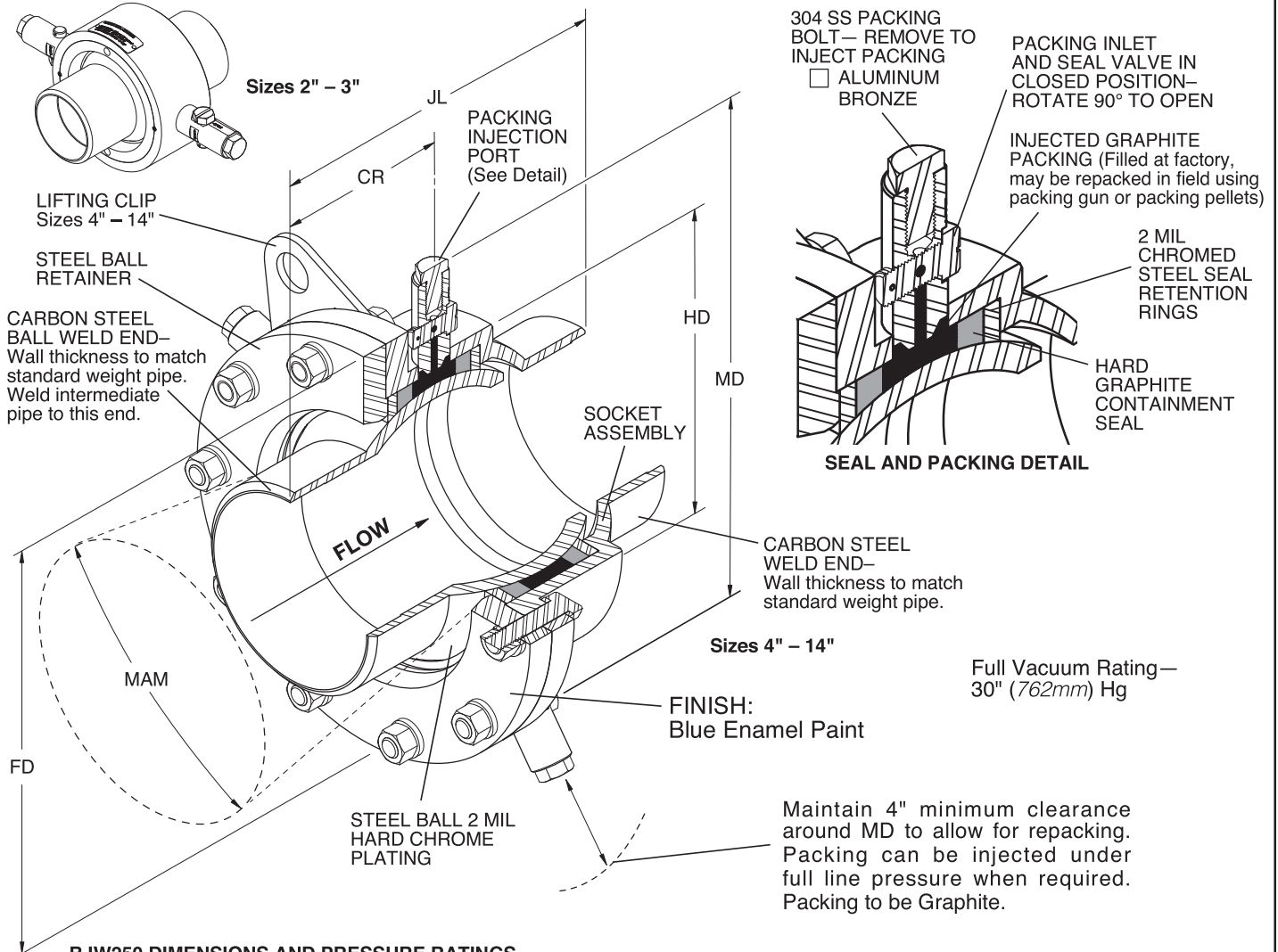
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 DWG No. \_\_\_\_\_

**BJW250**

**BALL JOINT with  
 CARBON STEEL  
 WELD ENDS**



**BJW250 DIMENSIONS AND PRESSURE RATINGS**

Type & Size	Pipe Size (inches)	JL Joint Length (inches)	CR Center of Rotation (inches)	FD Flange Diameter (inches)	HD Hub Diameter (inches)	MD Max. Diameter (inches)	MAM Max. Angular Movement (degrees)	Maximum Pressure @480°F (psi)	Starting Resistance Torque (ft-lbs)	Number of Ports
BJW250-2	2	7	4	-	5 1/4	13 1/4	30	250	200	2
BJW250-2 1/2	2 1/2	7 7/8	4 1/8	-	6	14	15	250	230	2
BJW250-3	3	8 1/2	4 3/8	-	6 1/2	14 1/2	15	250	320	2
BJW250-4	4	10 1/2	5	10 7/8	7 7/8	15 7/8	15	250	600	4
BJW250-5	5	10 5/8	5 1/8	12	9	17	15	250	1000	4
BJW250-6	6	11 7/8	5 5/8	13 1/4	10 1/2	18 1/2	15	250	2000	5
BJW250-8	8	14 3/8	7	16	13	21	15	250	3300	6
BJW250-10	10	16	7 5/8	19 3/8	16	24	15	250	6000	7
BJW250-12	12	18 1/8	9 1/2	22	18 1/2	26 1/2	15	250	7500	8
BJW250-14	14	19 1/4	10 1/2	23 5/8	20	28	15	250	11000	9

\*NOTE: All ball joints provide 360° torsional rotation.

QTY	SIZE	TAG	QTY	SIZE	TAG

Certification Form S-581 08/2021	DWN	CHKD	DATE	DWG No.
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