



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

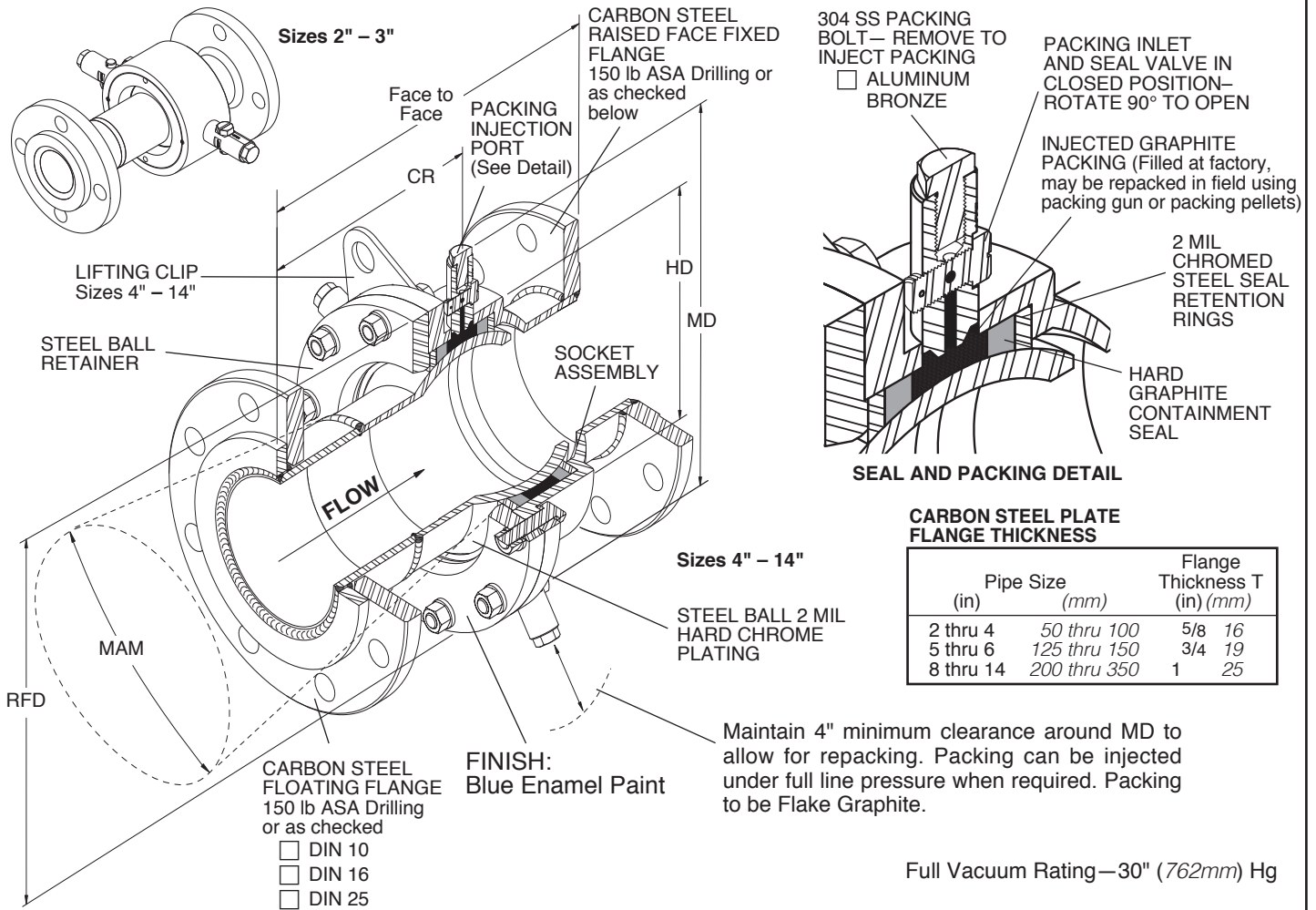
350 Rabro Drive, Hauppauge, NY 11788
Mason- 631/348-0282 • Info@Mason-Ind.com
Mercer- 631/582-1524 • Info@Mercer-Rubber.com
FAX 631/348-0279



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	141/4 362	15	150 10	600 813	4
5	5 125	137/8 352	8 1/8 206	12 305	9 230	151/2 394	15	150 10	1000 1356	4
6	6 150	15 381	83/4 222	131/4 340	101/2 265	163/4 425	15	150 10	2000 3677	5
8	8 200	171/2 445	97/8 251	16 405	127/8 327	191/4 489	15	150 10	3300 4474	6
10	10 250	191/4 489	103/4 273	193/8 492	16 405	215/8 549	15	150 10	6000 8135	7
12	12 300	211/2 546	123/8 315	217/8 554	183/8 467	241/2 622	15	150 10	7500 10169	8
14	14 350	23 584	121/2 318	241/2 622	201/8 511	257/8 657	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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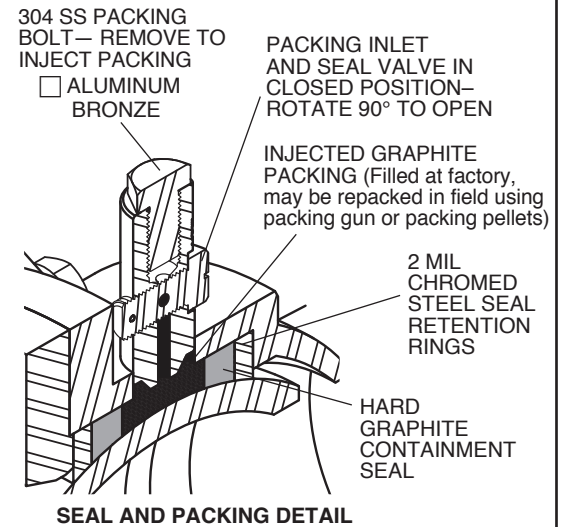
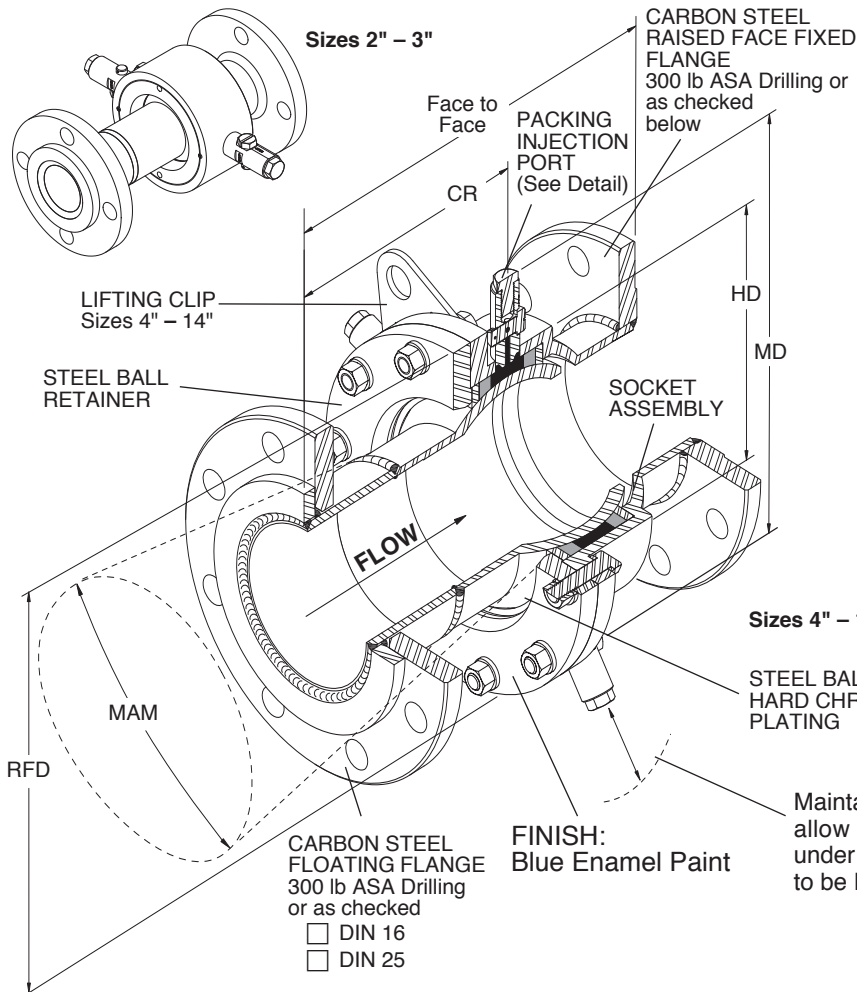
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CUSTOMER P.O. _____
MASON M. _____
DWG No. _____

BJF300

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



**CARBON STEEL PLATE
FLANGE THICKNESS**

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

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Certification Form S-583 08/2021

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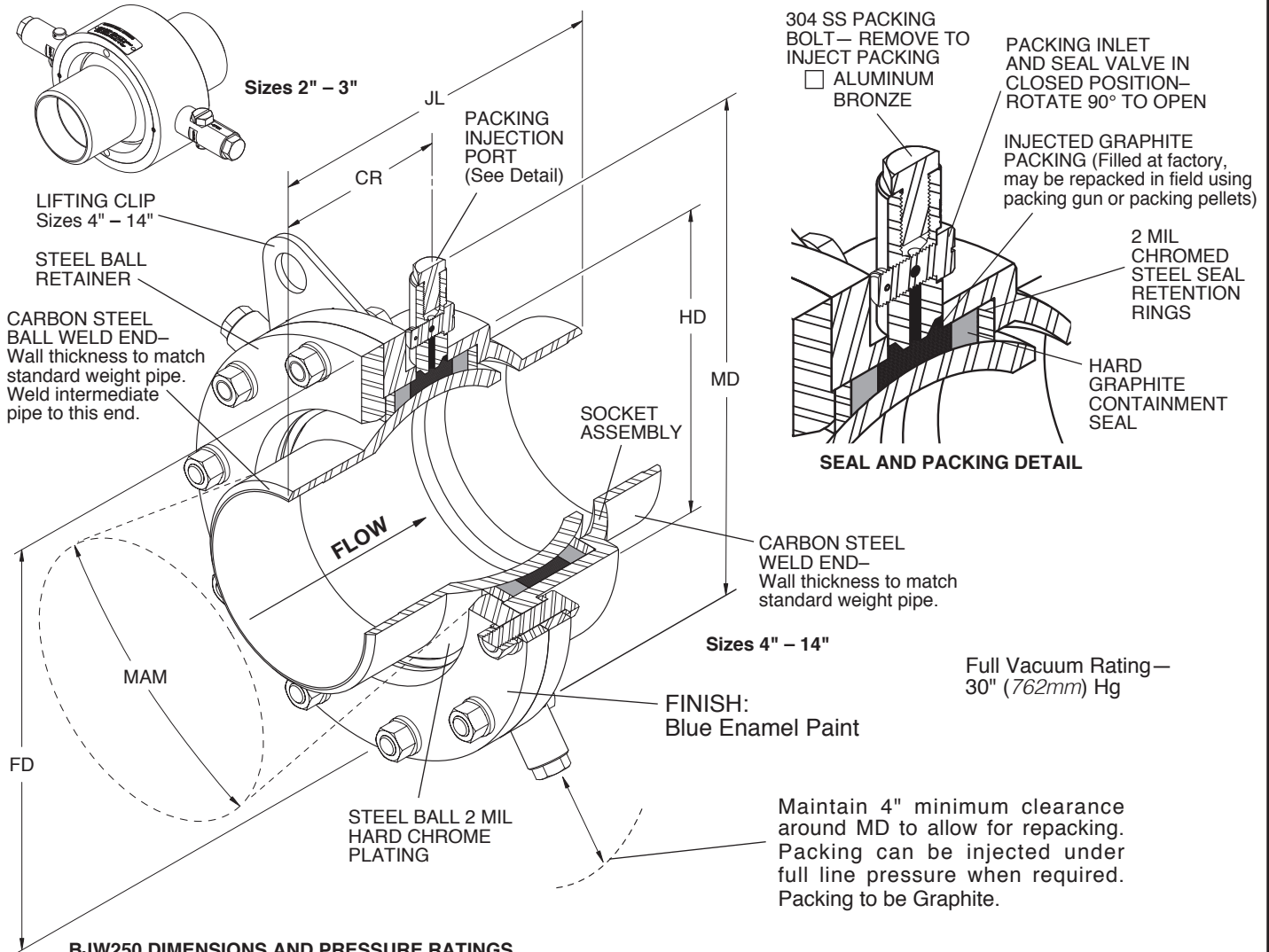
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MASON M. _____
DWG No. _____

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

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Certification Form S-581 08/2021

DWN

CHKD

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