



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

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JOB NAME _____
 CUSTOMER _____
 CUSTOMER P.O. _____
 MASON M. _____
 DWG No. _____

FFLSS

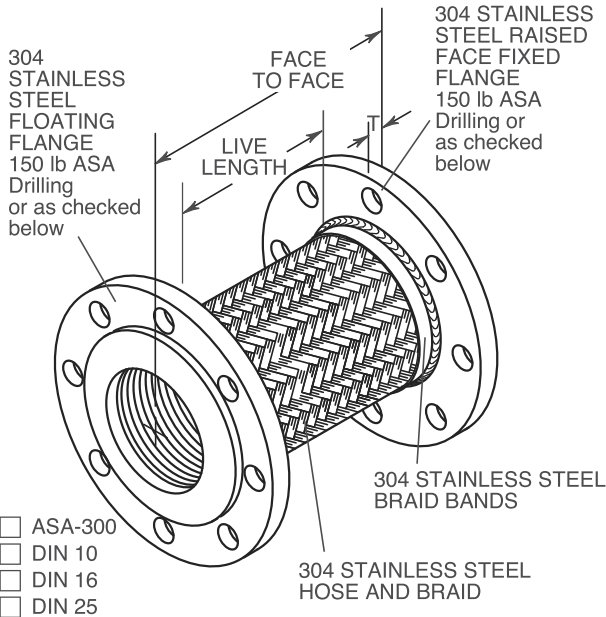
**304 SS BRAIDED
 HOSE with 304
 STAINLESS STEEL
 FIXED & FLOATING
 FLANGES**

**Vacuum rating varies with size and application.
 Consult factory on all vacuum applications.**

**Industry Standard
 Pump Connectors**
**Short lengths conserve
 space but allow minimum
 motion and attenuation.
 Offset Ratings are
 industry standard.**

STAINLESS STEEL PLATE FLANGE THICKNESS

Pipe Size (in)	Flange Thickness T (in)
2 thru 4	5/8 16
5 thru 6	3/4 19
8 thru 12	1 25



When using FFLSS products in copper or brass water or steam systems, dielectric flanges must be used on each end to prevent leakage from galvanic action.

**RATED PRESSURES @
 ELEVATED TEMPERATURES (psi) (kg/cm²)**

Hose Size (in) (mm)	250°F 121°C Factor 0.92	350°F 176°C Factor 0.86	450°F 232°C Factor 0.81
2 50	330 23	310 21	290 20
2 1/2 65	270 19	250 17	235 16
3 80	260 18	240 16	230 16
4 100	210 15	200 14	190 13
5 125	190 13	180 12	170 11
6 150	190 13	180 12	170 11
8 200	190 13	180 12	170 11
10 250	160 11	150 10	140 9
12 300	160 11	150 10	140 9

**SATURATED STEAM
 RECOMMENDED PRESSURE LIMITS**

Size (in) (mm)	Max Gauge (psi) (kg/cm ²)	Temp Reference (F) (°C)
2 50	150 11	362 183
2 1/2 65	125 9	355 179
3 80	125 9	355 179
4 100	125 9	355 179
5 125	100 7	337 169
6 150	100 7	337 169
8 200	75 5	320 160
10 250	60 4	307 153
12 300	60 4	307 153

Our steam service ratings are very low in the interest of safety although our 70°F (21°C) pressure ratings are as high or higher than our competitors. All locations where failure could lead to personal injury or suffocation must be avoided. In dangerous locations we suggest housed expansion joints, solid loops, ball joints, packed devices etc. rather than thin walled flexible products regardless of manufacturer.

Consult factory with full location description as well as service conditions for higher pressure or temperature applications.

304 SS can be used up to 850°F (454°C) in applications such as engine exhaust.

FFLSS DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Pipe Size & Face to Face (in)	Live Length (in)	Corrugations per foot	Maximum Permanent Lateral Offset (in)	Rated Pressure @70°F (psi)
FFLSS	2 X 9	6 3/4	58	1/8	360
FFLSS	2 1/2 X 9	6	48	1/8	290
FFLSS	3 X 9	6	46	1/8	280
FFLSS	4 X 9	6	32	1/8	225
FFLSS	5 X 12	8 3/4	29	1/8	200
FFLSS	6 X 12	8 3/4	25	1/8	200
FFLSS	8 X 12	8 1/2	23	1/8	200
FFLSS	10 X 13	9 1/2	21	1/8	170
FFLSS	12 X 14	10 1/2	20	1/8	170

FFLSS DIMENSIONS AND PRESSURE RATINGS (Metric Units)

Type	Pipe Size & Face to Face (mm)	Live Length (mm)	Corrugations per meter	Maximum Permanent Lateral Offset (mm)	Rated Pressure @21°C (kg/cm ²)
FFLSS	50 X 229	171	190	3	25
FFLSS	65 X 229	152	157	3	20
FFLSS	80 X 229	152	151	3	19
FFLSS	100 X 229	152	105	3	15
FFLSS	125 X 305	222	95	3	14
FFLSS	150 X 305	222	82	3	14
FFLSS	200 X 305	216	75	3	14
FFLSS	250 X 330	241	69	3	11
FFLSS	300 X 356	267	66	3	11

Face to Face Tolerance: minus 1% plus 3%. Minimum Burst is four times the Rated Pressure. Safety factor of 4.
 Lateral Offset one side of centerline and normal machinery vibration. If intermittent in both directions, reduce by 50%.
 Size 12" (300mm) has double braid.

QTY	SIZE	TAG

QTY	SIZE	TAG