



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

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Mercer- 631/582-1524 • Info@Mercer-Rubber.com  
FAX 631/348-0279

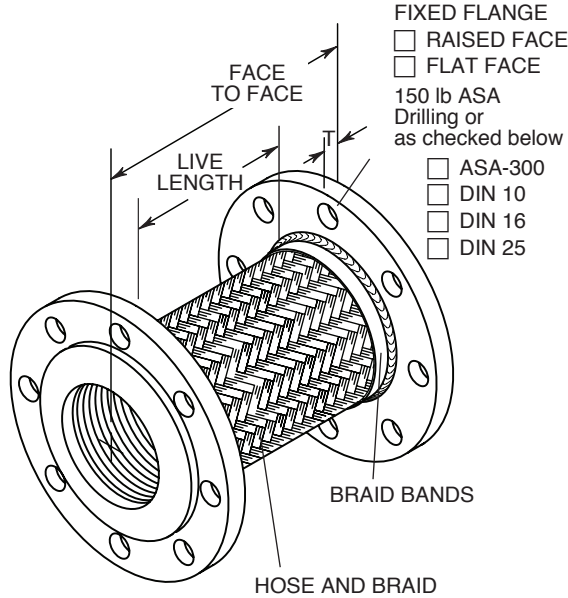


JOB NAME \_\_\_\_\_  
CUSTOMER \_\_\_\_\_  
CUSTOMER P.O. \_\_\_\_\_  
MASON M. \_\_\_\_\_  
DWG No. \_\_\_\_\_

**FFSS-NSF**

SS BRAIDED  
HOSE with  
FIXED  
FLANGES

**ALL COMPONENTS STAINLESS STEEL**



- FIXED FLANGE
- RAISED FACE
- FLAT FACE
- 150 lb ASA  
Drilling or  
as checked below
- ASA-300
- DIN 10
- DIN 16
- DIN 25

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



**WATER QUALITY**  
DRINKING WATER  
SYSTEM COMPONENT  
ANNEX G of ANSI / NSF 61  
(4RV6)

These flexible joint fitting assemblies are UL Listed under File MH48651 and are intended for installation in accordance with the Mason installation instructions and the applicable requirements in Annex G of ANSI/ NSF 61.

Mason Industries ensures for all UL Listed Products:

1. All hose dimensions meet our specifications and dimensions as tabulated.
2. Each assembly is pressure tested using Nitrogen Gas for 1 minute at 1 1/2 times the rated working pressure with no leaks.
3. A metal tag is attached which shows the UL Mark and Identification Number, our name, the location (US), and the Part Number with the approval date (month and year).
4. Two product stickers which show the UL Mark and Identification Number are on each shipping crate.

Conforms to UL and ANSI/NSF 61  
Approved Temperature Range.

Full Vacuum Rating- 30" (762mm) Hg

**PLATE FLANGE THICKNESS**

Pipe Size (in)	Flange Thickness T (in)	Pipe Size (mm)	Flange Thickness T (mm)
1 1/2 thru 4	5/8	40 thru 100	16
5 thru 6	3/4	125 thru 150	19
8 thru 16	1	200 thru 400	25

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

**FFSS-NSF 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)
FFSS-NSF	1 1/2 X 9	67/8	63	1/8	450
FFSS-NSF	2 X 9	61/8	58	1/8	360
FFSS-NSF	2 1/2 X 9	61/8	48	1/8	290
FFSS-NSF	3 X 9	61/8	46	1/8	280
FFSS-NSF	4 X 9	61/8	32	1/8	225
FFSS-NSF	5 X 12	87/8	29	1/8	200
FFSS-NSF	6 X 12	87/8	25	1/8	200
FFSS-NSF	8 X 12	85/8	23	1/8	200
FFSS-NSF	10 X 13	95/8	21	1/8	170
FFSS-NSF	12 X 14	105/8	20	1/8	170
FFSS-NSF	14 X 14	105/8	18	1/8	170
FFSS-NSF	16 X 16	125/8	16	1/8	170

**FFSS-NSF 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/cm²)
FFSS-NSF	40 X 229	175	3	207	31
FFSS-NSF	50 X 229	156	3	190	25
FFSS-NSF	65 X 229	156	3	157	20
FFSS-NSF	80 X 229	156	3	151	19
FFSS-NSF	100 X 229	156	3	105	15
FFSS-NSF	125 X 305	225	3	95	14
FFSS-NSF	150 X 305	225	3	82	14
FFSS-NSF	200 X 305	219	3	75	14
FFSS-NSF	250 X 330	244	3	69	11
FFSS-NSF	300 X 356	270	3	66	11
FFSS-NSF	350 X 356	270	3	59	11
FFSS-NSF	400 X 406	321	3	52	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%.  
Sizes 12" - 16" (300-400mm) have double braid.

QTY	SIZE	TAG

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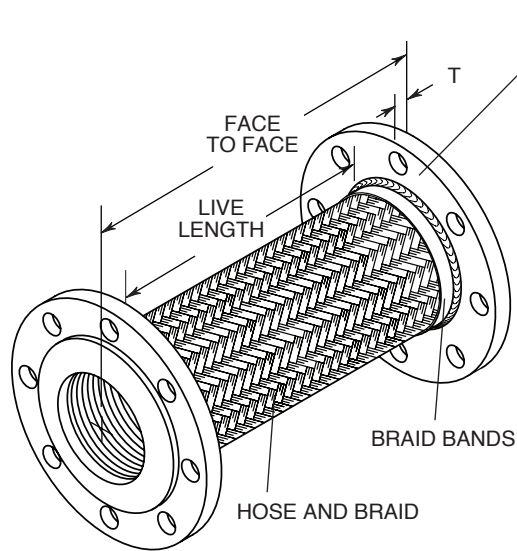


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Pipe Size (in)	Pipe Size (mm)	Flange Thickness T (in)	Flange Thickness T (mm)
1 1/2 thru 4	40 thru 100	5/8	16
5 thru 6	125 thru 150	3/4	19
8 thru 16	200 thru 400	1	25

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 Sizes 12" - 16" (300-400mm) have double braid.

**FFSS-NSF DIMENSIONS AND PRESSURE RATINGS (American Units)**

Pipe Size & Face to Face (in)	Live Length (in)	Corrugations per foot	Maximum Permanent Lateral Offset (in)	Rated Pressure @70°F (psi)
1 1/2 X 12	97/8	63	1 1/4	450
1 1/2 X 18	157/8	63	3 1/2	450
1 1/2 X 24	217/8	63	6 1/2	450
2 X 12	91/8	58	1 1/8	360
2 X 18	151/8	58	2 1/2	360
2 X 24	211/8	58	5	360
2 1/2 X 12	91/8	48	1	290
2 1/2 X 18	151/8	48	2 1/4	290
2 1/2 X 24	211/8	48	4 3/4	290
3 X 12	91/8	46	7/8	280
3 X 18	151/8	46	2	280
3 X 24	211/8	46	4	280
3 X 36	331/8	46	8	280
4 X 12	91/8	32	3/4	225
4 X 18	151/8	32	1 1/2	225
4 X 24	211/8	32	3 1/2	225
4 X 36	331/8	32	7	225
5 X 18	147/8	29	1 1/4	200
5 X 24	207/8	29	2 1/4	200
5 X 36	327/8	29	5 1/2	200
6 X 18	147/8	25	1	200
6 X 24	207/8	25	2	200
6 X 36	327/8	25	5	200
8 X 18	145/8	23	7/8	200
8 X 24	205/8	23	1 1/2	200
8 X 36	325/8	23	4	200
10 X 18	145/8	21	3/4	170
10 X 24	205/8	21	1 1/4	170
10 X 36	325/8	21	3	170
12 X 24	205/8	20	1	170
12 X 36	325/8	20	2 1/2	170
14 X 36	325/8	18	1 1/4	170
16 X 36	325/8	16	1	170

**FFSS-NSF DIMENSIONS AND PRESSURE RATINGS (Metric Units)**

Pipe Size & Face to Face (mm)	Live Length (mm)	Corrugations per meter	Maximum Permanent Lateral Offset (mm)	Rated Pressure @21°C (kg/cm²)
40 X 305	251	207	32	31
40 X 457	403	207	89	31
40 X 610	556	207	165	31
50 X 305	232	190	29	25
50 X 457	403	190	64	25
50 X 610	537	190	127	25
65 X 305	232	157	25	20
65 X 457	403	157	57	20
65 X 610	537	157	121	20
80 X 305	232	151	22	19
80 X 457	403	151	51	19
80 X 610	537	151	102	19
80 X 914	841	151	203	19
100 X 305	232	105	19	15
100 X 457	403	105	38	15
100 X 610	537	105	89	15
100 X 914	841	105	178	15
125 X 457	378	95	32	14
125 X 610	530	95	57	14
125 X 914	835	95	140	14
150 X 457	378	82	25	14
150 X 610	530	82	51	14
150 X 914	835	82	127	14
200 X 457	371	75	22	14
200 X 610	524	75	32	14
200 X 914	829	75	102	14
250 X 457	371	69	19	11
250 X 610	524	69	32	11
250 X 914	829	69	76	11
300 X 610	524	66	25	11
300 X 914	829	66	64	11
350 X 914	829	59	32	11
400 X 914	829	52	25	11

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