



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.

MNSS

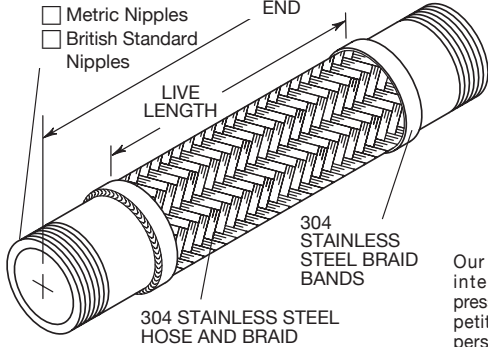
SS BRAIDED HOSE with STAINLESS STEEL THREADED NIPPLES

WARNING! If disinfecting (chlorinating) is required per the International Plumbing Code, AWWA C651, and AWWA C652, then tablets and granular chlorine (calcium hypochlorite), and chlorine for swimming pool disinfection CANNOT be used on our products. We recommend chlorinating with diluted liquid chlorine (sodium hypochlorite) and immediately flushing thoroughly with potable water, as defined in the above Code. All traces of chlorine must be removed, since residual chlorine will cause corrosion and lead to premature failure of our products. Failure to do so will void our warranty. Mason recommends installing hoses vertically where feasible to promote drainage of chlorine.

304 STAINLESS STEEL SCHEDULE 40 NPT NIPPLES

or as checked below

- Metric Nipples
British Standard Nipples



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

Table with columns: 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. Rows include sizes from 1/2 to 4 inches.

SATURATED STEAM RECOMMENDED PRESSURE LIMITS

Table with columns: Size (in) (mm), Max Gauge (psi) (kg/cm²), Temp Reference (°F) (°C). Rows include sizes from 1/2 to 4 inches.

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.

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

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

MNSS DIMENSIONS AND PRESSURE RATINGS (American Units)

Table with columns: Type, Pipe Size & End to End (in), Live Length (in), Corrugations per foot, Maximum Permanent Lateral Offset (in), Rated Pressure @70°F (psi). Rows include various sizes from 1/2 to 4 inches.

MNSS DIMENSIONS AND PRESSURE RATINGS (Metric Units)

Table with columns: Type, Pipe Size & End to End (mm), Live Length (mm), Corrugations per meter, Maximum Permanent Lateral Offset (mm), Rated Pressure @21°C (kg/cm²). Rows include various sizes from 15x305 to 100x914 mm.

End to End 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%.

Table with columns: QTY, SIZE, TAG

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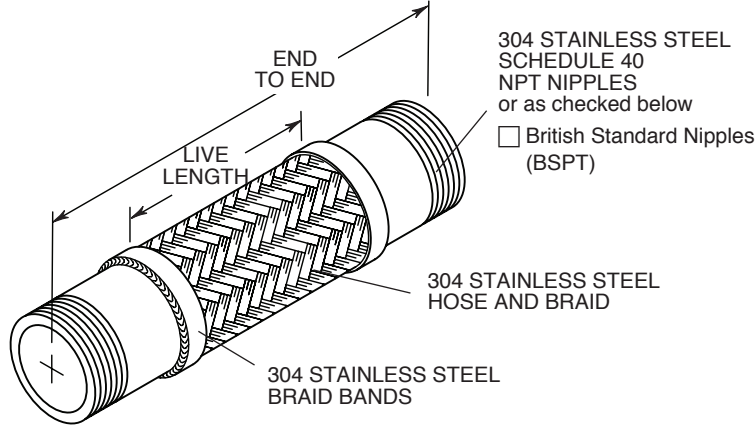


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**MNSS**

**SS BRAIDED HOSE  
 with STAINLESS  
 STEEL THREADED  
 NIPPLES**

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

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

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

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

**RATED PRESSURES @ ELEVATED TEMPERATURES (psi) (kg/cm<sup>2</sup>)**

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	
	1/2 15	1010 69	950 59	890 61	3/4 20	640 44
1 25	530 36	500 34	470 32	1 1/4 32	460 32	430 30
1 1/2 40	400 28	370 26	350 24	2 50	330 23	310 21
2 1/2 65	270 19	250 17	235 16	3 80	260 18	240 16
3 80	260 18	240 16	230 16	4 100	210 15	200 14
4 100	210 15	200 14	190 13			

**SATURATED STEAM RECOMMENDED PRESSURE LIMITS**

Size (in) (mm)	Max Gauge (psi) (kg/cm <sup>2</sup> )	Temp Reference (°F) (°C)
1/2 15	200 14	387 197
3/4 20	200 14	387 197
1 25	150 11	362 183
1 1/4 32	150 11	362 183
1 1/2 40	150 11	362 183
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

**MNSS DIMENSIONS AND PRESSURE RATINGS (American Units)**

Type	Pipe Size & End to End (in)	Live Length (in)	Corrugations per foot	Maximum Permanent Lateral Offset (in)	Rated Pressure @70°F (psi)
MNSS	1/2 x 6 1/2	25/8	92	1/8	1100
MNSS	3/4 x 7	31/8	80	1/8	700
MNSS	1 x 8	35/8	72	1/8	580
MNSS	1 1/4 x 8 1/2	35/8	67	1/8	480
MNSS	1 1/2 x 9	41/8	63	1/8	450
MNSS	2 x 10 1/2	5 1/4	58	1/8	360
MNSS	2 1/2 x 12	5	48	1/8	290
MNSS	3 x 12	5	46	1/8	280
MNSS	4 x 12	5	32	1/8	225

**MNSS DIMENSIONS AND PRESSURE RATINGS (Metric Units)**

Type	Pipe Size & End to End (mm)	Live Length (mm)	Corrugations per meter	Maximum Permanent Lateral Offset (mm)	Rated Pressure @21°C (kg/cm <sup>2</sup> )
MNSS	15 x 165	67	302	3	77
MNSS	20 x 178	80	262	3	49
MNSS	25 x 203	93	236	3	40
MNSS	32 x 216	94	220	3	33
MNSS	40 x 229	107	207	3	31
MNSS	50 x 267	135	190	3	25
MNSS	65 x 305	127	157	3	20
MNSS	80 x 305	127	151	3	19
MNSS	100 x 305	127	105	3	15

End to End 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%.

QTY	SIZE	TAG

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