



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



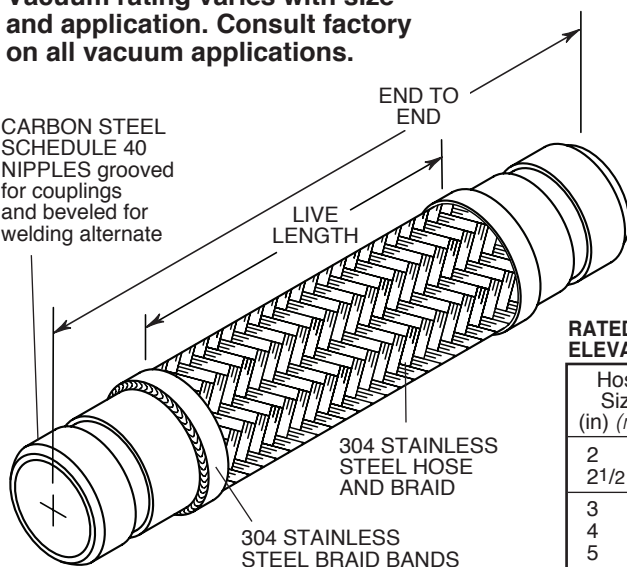
JOB NAME _____
CUSTOMER _____
CUSTOMER P.O. _____
MASON M. _____
DWG No. _____

GWN

**SS BRAIDED HOSE
with CARBON STEEL
GROOVED
WELD NIPPLES**

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

CARBON STEEL
SCHEDULE 40
NIPPLES grooved
for couplings
and beveled for
welding alternate



304 STAINLESS
STEEL HOSE
AND BRAID
304 STAINLESS
STEEL BRAID BANDS

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 GWN products in copper or brass water or steam systems, dielectric couplings 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/cm²)	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

GWN DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Pipe Size & End to End (in)	Live Length (in)	Corru- gations per foot	Maximum Permanent Lateral Offset (in)	Rated Pressure @70°F (psi)
GWN	2 X 14	83/4	58	1	360
GWN	2 X 24	183/4	58	33/4	360
GWN	2 X 36	303/4	58	8	360
GWN	2 1/2 X 14	8	48	7/8	290
GWN	2 1/2 X 24	18	48	3	290
GWN	2 1/2 X 36	30	48	7	290
GWN	3 X 14	8	46	3/4	280
GWN	3 X 36	30	46	6	280
GWN	4 X 18	10	32	3/4	225
GWN	4 X 36	28	32	5	225
GWN	5 X 20	12	29	3/4	200
GWN	5 X 36	28	29	4	200
GWN	6 X 22	14	25	3/4	200
GWN	6 X 36	28	25	3 1/2	200
GWN	8 X 24	16	23	3/4	200
GWN	8 X 36	28	23	3	200
GWN	10 X 28	18	21	3/4	170
GWN	10 X 36	26	21	2	170
GWN	12 X 30	20	20	3/4	170
GWN	12 X 36	26	20	13/4	170

GWN DIMENSIONS AND PRESSURE RATINGS (Metric Units)

Type	Pipe Size & End to End (mm)	Live Length (mm)	Corru- gations per meter	Maximum Permanent Lateral Offset (mm)	Rated Pressure @21°C (kg/cm²)
GWN	50 X 356	222	190	25	25
GWN	50 X 610	476	190	95	25
GWN	50 X 914	781	190	203	25
GWN	65 X 356	203	157	22	20
GWN	65 X 610	457	157	76	20
GWN	65 X 914	762	157	178	20
GWN	80 X 356	203	151	19	19
GWN	80 X 900	762	151	152	19
GWN	100 X 457	254	105	19	15
GWN	100 X 914	711	105	127	15
GWN	125 X 508	305	95	19	14
GWN	125 X 914	711	95	102	14
GWN	150 X 559	356	82	19	14
GWN	150 X 914	711	82	89	14
GWN	200 X 610	406	75	19	14
GWN	200 X 914	711	75	76	14
GWN	250 X 711	457	69	19	12
GWN	250 X 914	660	69	51	12
GWN	300 X 762	508	66	19	11
GWN	300 X 914	660	66	44	11

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%.

Size 12" (300mm) has double braid.

QTY	SIZE	TAG

QTY	SIZE	TAG

Certification Form S-505 04/2016

DWN

CHKD

DATE

DWG No.