



Annularly corrugated stainless steel hose, with or without braid

**PARNOR®**

**Materials:**

Corrugated Hose: Stainless Steel S321 or S316L  
Braid: Stainless Steel S304

**Zero leak** - extremely flexible, hydraulically formed corrugated metal hose available with or without metal braid. Best for use in extreme environments (-525F—+1000F) such as temperature, frequent movements, vibrations and high pressure or vacuum. Chemically resistant to a wide variety of highly corrosive products. Known for long hose life.

**Zero Leak, Flexible  
Corrugated Metal Hose  
Extreme Environment  
Use!**

Annular S321 or S316L braided or unbraided hose

Butt welded hydro formed standard pitched metal hose

Economical, 50,000 cycle rated and pressure rated per ISO 10380

Available in long lengths on reels—without braid, one braid or two braids

**Typical Uses:**

Fluid transfer, liquid or gases, good for vacuum, cryogenics (EN 12434)

Petrochemical industry, nuclear industry, instrumentation and HVAC industries

ID (in-mm)	OD nom (in)	# of Braid Layers	Working PSI/max (@70F)	Bend Radius min/in	Burst PSI (@70F)	Weight per Per Ft. (Pounds)
1/4	.39	0	420			.03
6	.45	1	2030	4.33	8468	.11
3/8	.63	0	276			.07
10	.70	1	1450	5.90	6032	.20
1/2	.73	0	247			.08
12	.79	1	1160	6.50	4668	.22
3/4	1.11	0	168			.12
20	1.18	1	725	8.86	3045	.32
1	1.37	0	77			.15
25	1.43	1	580	10.24	2465	.39
1-1/4	1.71	0	59			.25
32	1.79	1	580	11.81	2465	.60
1-1/2	2.06	0	49			.30
40	2.14	1	465	13.39	2030	.78
2	2.55	0	36			.48
50	2.65	1	465	15.35	2001	1.20
2-1/2	3.19	0	26			.60
65	3.28	1	450	18.11	1580	1.55
3	3.92	0	20			.72
80	4.04	1	400	20.47	1363	2.06



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**BULLETIN #503**

ID In-mm	OD nom (in)	# Braid Layers	Working PSI Max (@ 70F)	Bend Radius min (Inches)	Burst Pressure (@ 70F)	Weight/Ft. (Pounds)
4	4.98	0	16			.85
100	5.16	1	218	23.62	1073	2.44
5	5.98	0	13			2.31
125	6.10	1	232	33.46	928	3.77
6	6.85	0	10			2.65
150	6.97	1	210	41.33	841	4.52

**Material:**

321 & 316L stainless steel— hose standard  
304 stainless steel—braid standard

**Construction:**

Annular butt welded and hydro formed  
Dissymmetrical convolution design  
can have more than single layer braiding  
(consult factory)

**Characteristics:**

Extremely flexible hose.  
manufactured in long continuous lengths  
without segmenting.  
Withstands higher pressures with thinner walls for increased hose life.  
designed to ISO—10380 standards.

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ISO 9001-2015 Certified  
ISO 10380 Approved