

STAINLESS Hose

Series 100 ISO 10380 Qualified

- Available in 304, 321, 316L stainless steel and other materials on request
- Pressure capability includes full vacuum to pressures shown below
- Consult Temperature Correction Table on page 38 for concurrent high temperature/high pressure applications
- Temperature rating from cryogenic to 1500°F
- Hose corrugation designs include Standard Pitch, Open Pitch and Superflex. Contact OmegaFlex for specifications on Open Pitch and Superflex.
- Unique self-draining found only in helical corrugations

Series 100 — Helical, Stainless Steel, Standard Pitch Hose

Nominal Hose Size (in.)	Diameter Hose Size (DN)	Braid Layers/Type	Nominal Outside Diameter	Nominal Inside Diameter	Minimum Centerline Bend Radius (in.)		Pressure ratings at 70°F (PSIG) ^a			Weight per Foot (lb.)	Typical Mill Length (ft.) ^b
					Static	Dynamic	Max. Working	Max. Test	Nominal Burst		
¼"	8	0	0.44	0.30	4	6	140	210	—	0.08	30-100
		1	0.49				2625	3938	10500	0.17	
		2	0.54				3625	5438	14500	0.26	
⅜"	10	0	0.60	0.39	2	4	100	150	—	0.12	30-100
		1	0.66				1650	2475	6600	0.23	
		2	0.72				2200	3300	8800	0.35	
½"	15	0	0.73	0.51	3	5	75	113	—	0.16	30-100
		1	0.78				1150	1725	4600	0.26	
		2	0.84				1750	2625	7000	0.37	
¾"	20	0	1.00	0.76	4	6	50	75	—	0.24	30-100
		1	1.05				800	1200	3600	0.41	
		2	1.11				1250	1875	4800	0.60	
1"	25	0	1.28	1.00	4.5	7	50	75	—	0.34	30-100
		1	1.36				750	1125	3000	0.60	
		2	1.44				1050	1575	4200	0.89	

- a. OmegaFlex hose and corresponding braid must be used in combination to achieve pressure ratings.
 b. Consult factory for longer lengths.
 c. ¼" meets ISO 10380 cycle life requirements at OmegaFlex specified bend radius.

Hose-On-Reel

- Braided "sausage link" fashion
- Hose mill lengths from 30 feet to 100 feet
- Convenient handling, storage and inventory control
- Also available in double braid construction

Series 100 Braided Helical Hose-On-Reel, Single Braid^a

Nominal Hose Size (in.)	Diameter Hose Size (DN)	Reel Quantity (ft.)	Reel Flange (in.)	Reel Width (in.)	Weight per Reel (lb.)
¼"	8	400	24	13	93
⅜"	10	400	24	13	117
½"	15	400	24	13	129
¾"	20	300	28	15	148
1"	25	200	28	15	145

a. Use chart above for single braided hose specifications.

Specifying Part Numbers for Series 100 Products

