

STAINLESS Hose

Series 300

ISO 10380 QUALIFIED

- Available in 304, 321, 316L stainless steel and other materials on request
- Pressure capability includes full vacuum to pressures shown below
- Temperature rating from cryogenic to 1500°F
- Consult Temperature Correction Table on page 38 for concurrent high temperature/high pressure applications
- Meets or exceeds ISO 10380 at maximum working pressure
- Hose corrugation designs include Standard Pitch, Open Pitch and Superflex. Contact OmegaFlex for specifications on Open Pitch and Superflex
- Shipped in mill lengths or Braided Hose-On-Reel for easy fabrication
- Standard braid material T304, other materials available upon request

Series 300 — RP Annular, Stainless Steel, Standard Pitch Hose (see page 6 for 2½"–16" sizes)

Nominal Hose Size (in.)	Diameter Hose Size (DN)	Braid Layers	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 ^c	8	0	0.46	0.32	4	6	140	210	—	0.09	30–100
		1	0.51				2375	3563	9500	0.18	
		2	0.56				3125	4688	12500	0.27	
⅜	10	0	0.61	0.42	2	4	100	150	—	0.12	30–100
		1	0.67				1650	2475	6600	0.23	
		2	0.73				2200	3300	8800	0.35	
½	15	0	0.76	0.55	3	5	75	113	—	0.16	30–100
		1	0.81				1100	1650	4400	0.26	
		2	0.87				1625	2438	6500	0.37	
¾	20	0	1.05	0.81	4	6	50	75	—	0.26	30–100
		1	1.10				800	1200	3200	0.43	
		2	1.16				1250	1875	5000	0.62	
1	25	0	1.34	1.03	4.5	7	50	75	—	0.36	30–100
		1	1.42				750	1125	3000	0.62	
		2	1.50				1000	1500	4000	0.91	
1¼	32	0	1.64	1.30	4	11	25	37.5	—	0.45	30–100
		1	1.72				725	1088	2900	0.82	
		2	1.80				1100	1650	4400	1.23	
1½	40	0	1.89	1.53	4.5	12	20	30	—	0.48	30–100
		1	1.95				565	850	2260	0.82	
		2	2.02				887	1330	3550	1.23	
2	50	0	2.47	2.05	5	13	16	24	—	0.70	30–100
		1	2.58				500	750	2000	1.38	
		2	2.69				750	1050	3000	2.14	

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 Hose-On-Reel is segmented into a continuous length to reduce scrap
- Convenient handling, storage and inventory control
- Reduces shelf space
- Also available in double braid construction

Note: See page 6 for specifying part numbers for Series 300.

Series 300 Braided Annular 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	74
⅜	10	400	24	13	102
½	15	400	24	13	112
¾	20	300	28	15	128
1	25	200	28	15	178
1¼	32	300	45	19	263
1½	40	300	45	19	300
2	50	180	45	19	280
3	80	200	60	30	540
4	100	100	60	30	375

a. Use chart above for single braided hose specifications.

Omega Flex, Inc.,

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Call 1-800-355-1039



STAINLESS Hose

Series 300

Series 300 — Annular, Stainless Steel, Standard Pitch Hose (see page 5 for ¼"–2" sizes)

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) ^b			Weight per Foot (lb.)	Typical Mill Length (ft.) ^c
					Static	Dynamic	Max. Working	Max. Test	Nominal Burst		
2½	65	0	3.33	2.61	5	13	12	18	—	1.28	7–20
		1	3.45				400	600	1600	2.09	
		2	3.57				600	900	2400	2.98	
3	80	0	3.89	3.10	7.5	16	8	12	—	1.53	7–20
		1	4.01				288	431	1150	2.39	
		2	4.13				431	647	1725	3.35	
3½	90	0	4.36	3.50	8	17	7.5	11	—	1.65	7–20
		1	4.45				285	428	1140	2.80	
		2	4.53				400	600	1600	4.08	
4	100	0	4.83	3.98	10	20	5	7.5	—	1.95	7–20
		1	5.03				250	375	1000	3.14	
		2	5.23				375	563	1500	4.46	
5	125	0	5.94	5.03	12	24	3.5	5.3	—	2.76	7–20
		1	6.10				200	300	800	4.08	
		2	6.14				245	367	980	5.53	
		1 BB	6.22				245	367	980	5.07	
6	150	0	6.99	6.03	15	30	3	4.5	—	3.34	7–20
		1	7.15				220	330	880	4.79	
		2	7.35				300	450	1200	6.39	
		1 BB	7.20				275	413	1100	6.04	
		2 BB	7.50				350	525	1400	8.79	
8	200	0	9.11	7.96	20	40	2.7	4.1	—	5.32	5–12
		1 BB	9.44				215	323	860	8.73	
		2 BB	9.80				275	413	1100	12.14	
10	250	0	11.19	9.85	25	50	2.2	3.3	—	8.71	5–12
		1 BB	11.49				200	350	800	12.65	
		2 BB	11.88				270	405	1080	16.59	
12	300	0	13.22	11.83	30	60	1.8	2.7	—	11.58	5–12
		1 BB	13.51				160	240	640	17.53	
		2 BB	13.80				220	330	880	23.48	
14	350	0	15.42	14.03	35	70	2.5	4.0	—	16.75	5–12
		1 BB	15.67				150	225	600	23.00	
		2 BB	15.93				190	285	760	29.25	
16	400	0	17.06	16.03	40	80	2.0	3.0	—	18.00	5–12
		1 BB	17.31				110	165	440	24.50	
		2 BB	17.57				170	255	680	21.00	

a. Standard braid constructions are shown without a type designation.

See pages 7 and 8 for detailed braid specifications. The "BB" designation indicates braided braid.

b. OmegaFlex hose and corresponding braid must be used in combination to achieve pressure ratings.

c. Consult factory for longer lengths.

Specifying Part Numbers for Series 300

3	0	2	-	S	P	0	0	2	5	R	P
■ Layers of Braid	■ Alloy	■ Pitch		■ Size	■ RP						
30 — Unbraided	1 = T304 Stainless steel	SP = Standard Pitch		Nominal hose size	Suffix for 1¼", 1½"						
31 — Single braided	2 = T321 Stainless steel	OP = Open Pitch		in inches	and 2" hose.						
32 — Double braided	3 = T316L Stainless steel	SF = Super Flex		i.e. 0025 = ¼"							

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