

BRONZE Hose

Series 400

- Core material is copper alloy C51000 (95/5)
- Braid material is commercial bronze C22000 (90/10)
- Pressure capability includes full vacuum to pressures shown below
- Temperatures to 400°F
- Material properties allow for unique flexing capabilities
- Designed to maintain pipeline material integrity and prevent galvanic corrosion

Series 400 — Annular, Bronze, Standard Pitch Hose

Nominal Size (in.)	Nominal Size (in.)	Braid/Layers Type	Nominal Outside Diameter	Nominal Inside Diameter	Minimum Centerline Bend Radius (in.)		Pressure ratings at 70°F (PSIG) ^{a,b}			Weight per Foot (lb.)	Typical Mill Length (ft.) ^c
					Static	Dynamic	Max. Working	Max. Test	Nominal Burst		
¼	8	0	0.46	0.31	2	6	120	180	—	0.12	30–100
		1	0.52				934	1401	3735	0.22	
		2	0.57				1242	1863	4968	0.32	
¾	10	0	0.61	0.42	2	6	60	90	—	0.16	30–100
		1	0.67				704	1056	2815	0.29	
		2	0.73				936	1404	3744	0.42	
½	15	0	0.76	0.54	2.25	7	50	75	—	0.23	30–100
		1	0.81				566	849	2265	0.38	
		2	0.87				753	1130	3012	0.53	
¾	20	0	1.05	0.81	2.5	8	30	45	—	0.33	30–100
		1	1.10				468	701	1870	0.55	
		2	1.16				622	933	2487	0.77	
1	25	0	1.35	1.03	3	9	26	39	—	0.41	30–100
		1	1.42				334	501	1335	0.68	
		2	1.50				444	666	1776	0.95	
1¼	32	0	1.66	1.30	3.5	10	16	24	—	0.71	30–60
		1	1.74				306	459	1225	1.15	
		2	1.82				407	611	1629	1.59	
1½	40	0	1.89	1.51	4	10	15	22.5	—	0.93	30–60
		1	1.96				297	445	1187	1.47	
		2	2.03				395	592	1579	2.01	
2	50	0	2.48	2.05	6	11	10	15	—	1.00	30–60
		1	2.57				210	315	840	1.62	
		2	2.66				279	419	1117	2.24	
2½	65	0	3.30	2.62	8.5	16	8	12	—	1.70	7–20
		1	3.45				194	291	775	2.68	
		2	3.57				258	387	1031	3.66	
3	80	0	3.88	3.13	10	20	5	8	—	2.10	7–20
		1	4.01				166	249	665	3.30	
		2	4.13				221	332	884	4.50	
4	100	0	4.84	3.97	12	24	3	4.5	—	2.31	7–20
		1	4.99				145	217	580	3.77	
		2	5.19				192	288	770	5.39	

- a. OmegaFlex hose and corresponding braid must be used in combination to achieve pressure ratings.
 b. Contact OmegaFlex for higher maximum working pressures.
 c. Consult factory for longer lengths.

Specifying Part Numbers for Series 400 Products

4 0 4 A - S P 0 0 2 5 R P

■ Layers of Braid
40 — Unbraided
41 — Single braided
42 — Double braided

■ Alloy/Design
4A = Bronze annular hose

■ Pitch
SP = Standard Pitch

■ Size
Nominal hose size in inches
i.e. 0025 = ¼"

■ RP
Suffix for 1¼", 1½" and 2" hose.

