



**Single-ply helically corrugated
stainless steel hose**

BOA-SUPRA® B1

Bulletin #501

Materials:

Corrugated Hose Stainless Steel (similar to AISI 316 Ti)
Braid Stainless Steel (similar to AISI 304)

Helically corrugated stainless steel hose. Resistance welded at the crest and cold formed. Highly flexible hose for pressure applications. Increased operating stability due to the double-ply construction at the crest. Designed in accordance with ISO-10380 standards.

**Most Extreme Flexible
Hose Applications with
Pressure**

Single-ply & Double-ply
Corrugated Hose

Stainless Steel Single/Plain
Weave Braid Construction

Best Suited for Flexible
Applications with Pressure

Extreme Flexibility Allows
for Use in a Wide Variety of
Applications Requiring No
Leakage

Universal Vibration Absorber

Typical Uses:

Thermal/Environmental
Movement, Pumping Systems
& Compressors, Gas Hose or
Safety Gas Hose Applications

ID" nom	OD" nom	# of Braids	Working PSI max (@70F)	Bend Radius (inches)	Burst PSI	Weight per Ft./lbs.
3/16	.34	0	80	2.95	7400	.05
	.40	1	1850	2.95		.12
1/4	.38	0	75	3.15	7000	.06
	.44	1	1750	3.15		.12
5/16	.48	0	60	4.01	6000	.08
	.55	1	1500	4.01		.15
3/8	.56	0	40	4.53	5200	.09
	.63	1	1300	4.53		.17
1/2	.67	0	30	4.92	4400	.12
	.74	1	1100	4.92		.21
5/8	.83	0	25	5.71	4000	.16
	.90	1	1000	5.71		.35
3/4	1.04	0	18	5.71	2800	.23
	1.10	1	700	5.71		.37
1	1.24	0	15	6.70	2400	.30
	1.30	1	600	6.70		.48
1-1/4	1.60	0	12	7.68	1800	.39
	1.66	1	450	7.68		.60
1-1/2	1.91	0	10	12.50	1600	.50
	1.97	1	400	12.50		.87
2	2.39	0	9	15.35	1400	.74
	2.46	1	350	15.35		1.24
2-1/2	2.98	0	8	18.11	1200	1.11
	3.06	1	300	18.11		1.67



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ID" NOM	OD" NOM	# Braid Layers	Working PSI Max (@ 70F)	Bend Radius (Inches)	Burst Pressure	Weight/Ft. (Lbs.)
3	3.73	0	6	20.47	1000	1.21
	3.81	1	250	20.47		2.00
4	4.52	0	3	23.62	800	1.61
	4.65	1	200	23.62		2.62

Material:

321 stainless steel—standard
optional/Special Order Materials available:
316LSS
Monel
Inconel 625
Other nickel alloys

Construction:

Helical crest welded single-ply.
can have more than single layer braiding
(consult factory)

Characteristics:

Thin wall, extremely flexible hose,
manufactured in long continuous lengths
without segmenting.
designed to ISO—10380 standards.

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ISO 9001-2015 Certified
ISO 10380 Approved