



## BOA-SUPRA®

### Helically corrugated stainless steel hose

Single-ply, helically corrugated hose, resistance welded at the crest, cold formed. Highly flexible pressure pipe: increased operating stability due to double-ply construction at the crest (particularly at dynamic working conditions).

Design and type approval in accordance with ISO-10380 standard.

#### Materials:

Corrugated hose: stainless steel 1.4571 (similar to AISI 316 Ti)  
 Braid: stainless steel 1.4301 (similar to AISI 304)

Special materials on request.

Reduction factors at heavy-duty conditions see „Technical Instructions for Metal Hoses and Metal Hose Assemblies“.

#### Application fields:

- pressure pipe for most various applications
- wherever highest flexibility is demanded (e.g. big movements and/or thermal dilatations in the system)
- gas hoses, safety gas hoses

DN [mm]	Braid type [-]	Perm. working pressure at 20°C [bar]	Ø Inside [mm]	Ø Outside [mm]	Ø Tolerance [mm]	Bend radius		Weight ± [kg/m]	Prod. length [m]	BOA item n° [-]
						stat. [mm]	dyn.			
5	0	7.5	5.2	8.5	±0.2	20	75	0.08	15-22	M-0012832 <sup>1)</sup>
	A	180		10.0				0.16		M-0018867 <sup>1)</sup>
6	0	6.5	6.3	9.7	±0.2	25	80	0.09	15-22	M-0014752 <sup>1)</sup>
	A	140		11.2				0.18		M-0014645 <sup>1)</sup>
8	0	4.0	8.2	12.3	±0.2	32	100	0.14	15-22	M-0011574 <sup>1)</sup>
	A	125		13.9				0.28		M-0012477 <sup>1)</sup>
10	0	3.0	10.2	14.3	±0.2	38	115	0.16	15-22	M-0011575
	A	100		15.8				0.31		M-0013695
12	0	2.5	12.2	17.1	±0.2	45	125	0.19	15-22	M-0005225
	A	80		18.5				0.36		M-0008689
16	0	1.5	16.2	21.1	±0.2	58	145	0.23	15-22	M-0005227
	A	60		22.7				0.43		M-0017459
20	0	1.0	20.2	26.4	±0.2	70	170	0.34	15-22	M-0007601
	A	45		28.0				0.57		M-0017756
25	0	0.8	25.2	31.4	±0.2	85	195	0.40	15-22	M-0007593
	A	40		33.8				0.85		M-0009106
32	0	0.5	32.3	40.5	±0.3	105	300	0.60	10-15	M-0007019
	A	30		42.7				1.10		M-0007765
40	0	0.4	40.3	48.5	±0.3	130	340	0.70	10-15	M-0007020
	A	22		50.6				1.28		M-0007733
50	0	0.3	50.3	60.4	±0.3	160	390	1.05	10-15	M-0004892
	A	20		63.0				1.77		M-0006226
65	0	0.3	65.3	75.4	±0.3	200	460	1.25	10-15	M-0004893
	A	15		78.7				2.05		M-0006917
80	0	0.3	80.4	94.2	±0.4	240	520	1.70	6-12	M-0007831
	A	12		97.7				3.10		M-0008143
100	0	0.3	100.4	114.8	±0.4	290	600	2.20	6-12	M-0006448
	A	8		117.5				3.70		M-0012539



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						stat. [mm]	dyn. [mm]			
125	0	0.3	125.4	142.3	±0.5	350	710	2.80	6-12	M-0023625
	A	7		145.5			820	4.90		M-0026583
150	0	0.3	150.4	167.3	±0.5	420	860	3.35	6-12	M-0017488
	A	6		170.0			1050	5.70		M-0018421
200	0	0.3	201.0	217.0	±0.6	630	1170	4.40	6-12	M-0011706
	A	4		220.0			1800	7.40		M-0013199
250	0	0.3	252.0	269.0	±0.8	770	1480	6.10	5-7	on request
	A	3.2		277.0			2280	10.60		
300	0	0.3	302.0	319.0	±0.8	920	1800	7.40	4-6	on request
	A	3		327.0			2800	12.40		

1) Preferred series: usually available at short term

#### Useful data for placing an inquiry or order:

- Item description: BOA-SUPRA®
- BOA item n° (M- .....
- Material
- DN
- Braid type
- Quantity

The three leaflets for metal hoses and metal hose assemblies "Technical Information", "Installation Instructions" and "Guarantee/ Delivery terms/ Conditions" are integrating part of the present product data sheet.