



BOA-DUO®

Helically corrugated stainless steel hose

Double-ply, helically corrugated hose, resistance welded at the crest, cold formed. Very flexible high pressure hose although double-ply construction. Excellent operating stability due to double-ply construction in the convolution flanks and triple-ply construction at the crest. Excellent vibration absorber.

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:

- all kinds of high pressure applications
- universal vibration absorber
- engine construction, pumps, compressors
- all kinds of pressure pipes for heavy-duty service with extreme working conditions

DN [mm]	Braid type [-]	Perm. working pressure at 20°C [bar]	Inside Ø [mm]	Outside Ø [mm]	Tolerance Ø [mm]	Bend radius stat. dyn. [mm]	Weight ± [kg/m]	Production length [m]	BOA item n° [-]
5	0	8		8.7		75	0.10	15-22	M-0004867 ¹⁾
	A	200	5.2	9.9	±0.2	20 75	0.17		M-0018048 ¹⁾
	B	270		11.1		120	0.25		M-0012953 ¹⁾
6	0	7.5		9.8		80	0.11	15-22	M-0004868 ¹⁾
	A	175	6.3	11.0	±0.2	25 80	0.18		M-0018826 ¹⁾
	B	250		12.2		140	0.26		M-0017608
8	0	6.5		12.4		100	0.19	15-22	M-0004870 ¹⁾
	A	150	8.2	13.6	±0.2	32 100	0.34		M-0023369 ¹⁾
	B	200		14.8		165	0.48		M-0016848
10	0	5.5		14.4		115	0.21	15-22	M-0004856
	A	130	10.2	15.6	±0.2	38 115	0.36		M-0011068 ¹⁾
	B	175		16.8		190	0.51		M-0026701
12	0	5		17.3		125	0.28	15-22	M-0004857
	A	110	12.2	18.5	±0.2	45 125	0.42		M-0007305 ¹⁾
	B	160		19.7		210	0.56		M-0027722
16	0	3.2		21.3		145	0.34	15-22	M-0004859 ¹⁾
	A	90	16.2	22.9	±0.2	58 145	0.61		M-0016792 ¹⁾
	B	130		24.5		250	0.88		M-0029551
20	0	2.5		26.7		170	0.58	15-22	M-0004861 ¹⁾
	A	80	20.2	28.3	±0.2	70 170	0.87		M-0016793 ¹⁾
	B	110		29.9		285	1.19		M-0031842
25	0	2		31.7		85	0.65	15-22	M-0004862 ¹⁾
	A	65	25.2	33.3	±0.2	85	1.10		M-0013189 ¹⁾
	B	95		85		325	1.55		M-0026712
	C	135		130		325	1.99		
32	0	1.6		41.1		105	1.03	10-15	M-0004865 ¹⁾
	A	50	32.3	42.7	±0.3	105	1.53		M-0016794 ¹⁾
	B	80		105		380	1.94		M-0021686
	C	110		160		380	2.55		



DN [mm]	Braid type [-]	Perm. working pressure at 20°C [bar]	∅ Inside [mm]	∅ Outside [mm]	∅ Tolerance [mm]	Bend radius stat. dyn. [mm]	Weight ± [kg/m]	Production length [m]	BOA item n° [-]	
40	0	1.6	40.3	48.7	±0.3	130	340	1.20	10-15	M-0004866 ¹⁾
	A	45		51.1		130	340	1.98		M-0020089 ¹⁾
	B	65		52.3		130	430	2.25		M-0026022
	C	95		55.1		180	430	2.75		
50	0	1.5	50.3	61.4	±0.3	160	390	2.05	10-15	M-0004835 ¹⁾
	A	35		63.4		160	390	3.10		M-0014434 ¹⁾
	B	55		64.6		160	490	3.10		M-0025904
	C	80		67.4		260	490	4.16		
65	0	1.5	65.3	76.4	±0.3	200	460	2.45	10-15	M-0004869 ¹⁾
	A	30		78.4		200	460	3.50		M-0017259 ¹⁾
	B	40		81.2		200	580	3.97		M-0023622
	C	60		83.6		300	580	5.48		
80	0	1.5	80.4	93.2	±0.4	240	520	3.20	6-12	M-0004871 ¹⁾
	A	25		96.4		240	520	4.69		M-0011921
	B	35		98.8		240	660	4.99		M-0026362
	C	50		101.2		470	660	6.18		
100	0	1.5	100.4	113.5	±0.4	290	600	3.90	6-12	M-0004827 ¹⁾
	A	15		115.9		290	600	5.69		M-0029716
	B	30		120.7		290	750	7.27		M-0023624
	C	40		120.7		570	750	7.48		
125	0	1.5	126.0	141.0	±0.7	370	720	5.50	4-12	M-0003924*
	A	10		143.9		370	820	7.64		M-0026602*
	B	22		148.7		440	960	8.87		
	C	35		148.7		720	1050	10.87		
150	0	1.4	151.0	166.0	±0.7	470	880	6.56	4-12	M-0003925*
	A	7		168.4		470	1050	9.10		M-0026508*
	B	18		172.0		550	1320	10.88		M-0029125*
	C	25		173.2		840	1560	12.82		M-0021561*
200	0	1.4	201.0	216.0	±0.8	700	1200	8.60	4-12	M-0003927*
	A	6		220.8		700	1800	12.26		
	B	15		222.0		770	2000	16.50		M-0027989*
250	0	1.3	252.0	270.0	±1	860	1520	11.40	4-6	M-0004863*
	A	6		274.0		860	2280	16.10		
	B	14		278.0		1000	2500	20.80		
300	0	1.3	302.0	320.0	±1	1120	1870	13.60	4-5	M-0004864*
	A	4		324.0		1120	2800	19.10		
	B	12		326.0		1320	3250	24.70		

¹⁾ Preferred series; usually available at short term

* On request

Useful data for placing an inquiry or order:

- Item description: BOA-DUO®
- 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.