



Applications

This hose is recommended for heating and cooling systems in vehicles and in the industrial sector and also for the transport of high temperatures fluids in general industry where a certain degree of flexibility is required.

These hoses are suitable for transporting liquid or semi-liquid by impulsion or suction, since their design could resist pressure or vacuum.

Limitations

Respect the bending radius and work pressure established values.

Gas oil and oil stains do not damage the tubes, but they should not be used to transport fuel or oil, nor be submerged in these liquids.

This product is not recommended for the transport of abrasive particles.

Regulations

- The burning, smoke and dripping class of this reference is S-3, SR-2 and ST-2 according to DIN 54837:2007 test standard and DIN 5510-2:2009 classification standard.
- The smoke toxicity test according to DIN 5510-2 Annex C, the material meets the requirements of FED <1 category for 15 to 30 minutes to heat flow 25kW/m² according to procedures described in ISO 5659-2:2007 standard.
- Silicone rubber used is in accordance with EU Directive 2002/95/ECC for Restriction of the use of hazardous substances (RoHS).

Properties

- Not affected by anti-freeze or antirust liquids.
- Highly resistant to hardening with very good compression characteristics.
- Smooth inner and outer appearance, and blue color.
- The inner layer could be made in R/A silicone, that could resist oil drops in this case the inner layer is brown red colored.
- Excellent resistance to thermal aging and oxidizing agents (oxygen, ozone, UV).
- Operational temperature range from -50°C (-122 F) to +180°C (356 F), it may reach up to 200°C (392 F) during short periods of time.
- The vacuum resistance for this hose is 0.80 bar (11.60 psi).

Technical Specifications



Inner Diameter		Wall thickness		Working Pressure ISO 1402/2009		Bursting Pressure ISO 1402/2009		Bending radius ISO 1746/2000	
<i>mm</i>	<i>inch</i>	<i>+1/-0.5 mm</i>	<i>+0.04/-0.02 inch</i>	<i>Bar at 20°C</i>	<i>Psi at 68°F</i>	<i>Bar at 20°C</i>	<i>Psi at 68°F</i>	<i>mm</i>	<i>inch</i>
6	1/4	5.00	0.20	14.7	212.9	44.0	638.6	62	2.4
8	5/16	5.00	0.20	13.4	194.6	40.3	583.9	65	2.6
10	3/8	5.00	0.20	12.4	180.5	37.3	541.4	69	2.7
13	1/2	5.00	0.20	11.3	163.8	33.9	491.4	75	3.0
16	5/8	5.00	0.20	10.4	150.6	31.2	451.9	82	3.2
18	5/7	5.00	0.20	9.9	143.2	29.6	429.5	87	3.4
19	3/4	5.00	0.20	9.6	139.7	28.9	419.2	90	3.5
22	7/8	5.00	0.20	9.0	130.4	27.0	391.3	98	3.9
25	1	5.00	0.20	8.4	122.3	25.3	366.9	107	4.2
28	1 1/8	5.00	0.20	7.9	115.1	23.8	345.4	116	4.6
30	1 3/16	5.00	0.20	7.6	110.7	22.9	332.2	123	4.8
35	1 3/8	5.00	0.20	7.0	101.0	20.9	302.9	143	5.6
38	1 1/2	5.00	0.20	6.6	95.7	19.8	287.2	156	6.1
40	1 9/16	5.00	0.20	6.4	92.5	19.1	277.5	165	6.5
45	1 3/4	5.00	0.20	5.9	85.0	17.6	255.0	191	7.5
48	1 7/8	5.00	0.20	5.6	80.9	16.7	242.7	208	8.2
51	2	5.00	0.20	5.3	77.1	15.9	231.2	227	8.9
55	2 1/8	5.00	0.20	5.0	72.3	15.0	216.8	255	10.0
60	2 3/8	5.00	0.20	4.6	66.8	13.8	200.3	294	11.6
63	2 1/2	5.00	0.20	4.4	63.7	13.2	191.0	321	12.6
70	2 3/4	5.00	0.20	3.9	57.0	11.8	170.9	394	15.5
76	3	5.00	0.20	3.6	51.8	10.7	155.3	468	18.4
80	3 1/8	5.00	0.20	3.3	48.5	10.0	145.5	526	20.7
85	3 1/3	5.00	0.20	3.1	44.7	9.2	134.0	608	23.9
90	3 1/2	5.00	0.20	2.8	41.0	8.5	123.1	703	27.7
100	4	5.00	0.20	2.4	34.3	7.1	103.0	939	37.0

Construction

This reference is manufactured with two polyester fabric reinforcements and encapsulated stainless steel spring wire.