

Technical Datasheet:

**Silicon Hose, red – working Temperature up to +250°C
with Aramid Reinforcement – without Steel Helix**

RUBBER- AND
PLASTIC TECHNOLOGY



General Use:

Meinert turbocharger hoses have been specifically designed for the demanding requirements of truck, bus and rail applications. It is primarily designed for use in turbocharger / intercooler systems with hot air. They can also be used in many other applications where the properties of silicone are preferable to those of other rubbers or where a flexible joint is required between rigid pipes.

The hoses can also be made with an oil resistant fluorosilicone lining if required.

Construction:

Plies of silicone, reinforced with Aramid fabric.

The number of plies will vary depending on the working pressure, bore size, and required wall thickness.

A galvanised spring steel wire helix may also be added for high or low-pressure applications.

Material Specification:

Colour:	Standard: Dark Red - Various others on request
Hardness (IHRD):	approx. 65° Shore A (+/-5° Shore A)
Specific Gravity:	1,18 kg / dm ³ (+/-0,03)
Tensile Strength	8,6 MPa
Elongation at Break:	308%
Tear Strength:	16 N/mm

The above physical properties refer to a test sheet!

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ID [mm]	ID [Inch]	Max. length [m]	3 - Ply - Wall approx. 3 mm		4 - Ply - Wall approx. 4 mm	
			Meinert-Product Reference	max. WP [bar]	Meinert-Product Reference	max. WP [bar]
6,5	1/4"	3	MSS-R3/6,5/1000	19,5	MSS-R4/6,5/1000	27,3
8	5/16"	3	MSS-R3/8/1000	16,3	MSS-R4/8/1000	22,7
9,5	3/8"	3	MSS-R3/9,5/1000	14,1	MSS-R4/9,5/1000	19,4
11	7/16"	1	MSS-R3/11/1000	12,4	MSS-R4/11/1000	17,0
12,7	1/2"	4	MSS-R3/12,7/1000	10,7	MSS-R4/12,7/1000	14,6
15,8	5/8"	3	MSS-R3/15,8/1000	9,0	MSS-R4/15,8/1000	12,1
18	0	3	MSS-R3/18/1000	8,1	MSS-R4/18/1000	10,9
19	3/4"	4	MSS-R3/19/1000	7,7	MSS-R4/19/1000	10,4
20	0	3	MSS-R3/20/1000	7,4	MSS-R4/20/1000	9,9
22	7/8"	4	MSS-R3/22/1000	6,8	MSS-R4/22/1000	9,1
25	1"	4	MSS-R3/25/1000	6,1	MSS-R4/25/1000	8,1
28,5	1 - 1/8"	4	MSS-R3/28,5/1000	5,5	MSS-R4/28,5/1000	7,3
30	0	3	MSS-R3/30/1000	5,2	MSS-R4/30/1000	6,9
32	1 - 1/4"	4	MSS-R3/32/1000	4,9	MSS-R4/32/1000	6,5
35	1 - 3/8"	4	MSS-R3/35/1000	4,6	MSS-R4/35/1000	6,0
38	1 - 1/2"	4	MSS-R3/38/1000	4,2	MSS-R4/38/1000	5,6
40	0	1	MSS-R3/40/1000	4,1	MSS-R4/40/1000	5,3
41	1 - 5/8"	3	MSS-R3/41/1000	4,0	MSS-R4/41/1000	5,2
44,5	1 - 3/4"	4	MSS-R3/44,5/1000	3,7	MSS-R4/44,5/1000	4,8
48	1 - 7/8"	3	MSS-R3/48/1000	3,5	MSS-R4/48/1000	4,5
50	0	1	MSS-R3/50/1000	3,4	MSS-R4/50/1000	4,4
50,8	2"	4	MSS-R3/50,8/1000	3,3	MSS-R4/50,8/1000	4,3
54	2 - 1/8"	3	MSS-R3/54/1000	3,1	MSS-R4/54/1000	4,1
57	2 - 1/4"	3	MSS-R3/57/1000	3,0	MSS-R4/57/1000	3,9
60	2 - 3/8"	3	MSS-R3/60/1000	2,9	MSS-R4/60/1000	3,7
63,5	2 - 1/2"	4	MSS-R3/63,5/1000	2,7	MSS-R4/63,5/1000	3,5
65	2 - 9/16"	1	MSS-R3/65/1000	2,7	MSS-R4/65/1000	3,4
67	2 - 5/8"	1	MSS-R3/67/1000	2,6	MSS-R4/67/1000	3,3
70	2 - 3/4"	3	MSS-R3/70/1000	2,5	MSS-R4/70/1000	3,2
76	3"	3	MSS-R3/76/1000	2,3	MSS-R4/76/1000	3,0
80	3 - 1/8"	1	MSS-R3/80/1000	2,2	MSS-R4/80/1000	2,9
85	3 - 3/8"	1	MSS-R3/85/1000	2,1	MSS-R4/85/1000	2,7
88,9	3 - 1/2"	1,5	MSS-R3/88,9/1000	2,0	MSS-R4/88,9/1000	2,6
90	0	1	MSS-R3/90/1000	2,0	MSS-R4/90/1000	2,6
95	3 - 3/4"	1	MSS-R3/95/1000	1,9	MSS-R4/95/1000	2,4
102	4"	4	MSS-R3/102/1000	1,8	MSS-R4/102/1000	2,3
114	4 - 1/2"	1	MSS-R3/114/1000	1,6	MSS-R4/114/1000	2,1
127	5"	1	MSS-R3/127/1000	1,5	MSS-R4/127/1000	1,9
152	6"	3	MSS-R3/152/1000	1,3	MSS-R4/152/1000	1,6

Maximum working pressures have been calculated using a safety factor of 4:1 from tested burst pressures!

This technical datasheet should assist and consult you. All containing data corresponds to our experience and knowledge at the date of publishing. The test of ability of our products and the check of qualification for the designated applications is at the responsibility of our customers. This in mind a binding assurance or guarantee of specified properties or ability of our products or materials for a precise purpose is not committed or interpretable!

Errors and alterations expected
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