


# INDUSTRIAL HOSES - silicone


## Automotive hoses and hose connectors



**Material:** Silicone rubber  
**Reinforcement:** Textile braids (polyester as a standard, Nomex® or fibre glass optionally)  
**Working temp.:** From -50°C up to +170°C (polyester)  
 From -50°C up to +250°C (Nomex®)  
 From -50°C up to +330°C (fibre glass)

Silicone hoses and hose connectors designed for cooling or heating systems in vehicles (water, cooling liquids, air or air with oil mist). Hardness (standard version) about 65° Shore (A), density about 1.26 g/cm<sup>3</sup>. External layer in blue as a standard (red and black are also available). Hoses meet the requirements of SAE J20R1 (SAE J20R2 - with steel wire helix). Because of a steel wire helix, SUPER FLEX hoses are resistant to kinking and vacuum. External layer is smooth for diameters up to 28 mm, and rectangularly corrugated for diameters above 28mm. Safety factor 3:1

Hose with polyester braid reinforcement, L 1000 mm*			
			<b>HJ</b>
code	I.D. [mm]	wall thickness [mm]	working pressure [mm]
VP-ML-006	6	4	14.4
VP-ML-008	8	4	12.9
VP-ML-010	10	4	11.5
VP-ML-013	13	4	9.8
VP-ML-016	16	4	8
VP-ML-019	19	4	6.9
VP-ML-022	22	4	8.6
VP-ML-025	25	4	6.9
VP-ML-028	28	4	6.9
VP-ML-032	32	4	6.9
VP-ML-035	35	4	4.6
VP-ML-038	38	4	4.6
VP-ML-041	41	4	5.2
VP-ML-044	44	4	5.2
VP-ML-051	51	4	5.1
VP-ML-054	54	5	6.3
VP-ML-057	57	5	5.2
VP-ML-060	60	5	5.7
VP-ML-063	63	5	5.5
VP-ML-070	70	5	4.6
VP-ML-076	76	5	4
VP-ML-080	80	5	4
VP-ML-083	83	5	4
VP-ML-089	89	5	3.4
VP-ML-095	95	5	3.2
VP-ML-102	102	6	3.4
VP-ML-127	127	6	2
VP-ML-152	152	6	1.6

SUPER FLEX - polyester braid and wire helix. L 1000 mm*			
			<b>CH</b>
code	I.D. [mm]	wall thickness [mm]	working pressure [mm]
VP-CH-013	13	4	9.8
VP-CH-016	16	5	8
VP-CH-019	19	5	6.9
VP-CH-022	22	5	8.6
VP-CH-025	25	5	6.9
VP-CH-028	28	4	6.9
VP-CH-032	32	5	6.9
VP-CH-035	35	4	4.6
VP-CH-038	38	4	4.6
VP-CH-051	51	5	5.1
VP-CH-063	63	6	5.5

\* - also available in lengths of 2000, 3000, 4000 mm



Assembling clamps: see chapter „INDUSTRIAL FITTINGS - clips, clamps, ferrules“

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Elbow with polyester braid reinforcement. length arms 102 mm



**E90**



**E45**

code (90° elbow)	code (45° elbow)	I.D. [mm]	wall thickness [mm]	working pressure [mm]
VP-E90-008	VP-E45-008	8	4	12.9
VP-E90-010	VP-E45-010	10	4	10.9
VP-E90-013	VP-E45-013	13	4	8
VP-E90-016	VP-E45-016	16	4	6.9
VP-E90-019	VP-E45-019	19	4	6.3
VP-E90-022	VP-E45-022	22	4	8
VP-E90-025	VP-E45-025	25	4	6.3
VP-E90-028	VP-E45-028	28	4	5.2
VP-E90-032	VP-E45-032	32	4	6.1
VP-E90-035	VP-E45-035	35	4	4.6
VP-E90-038	VP-E45-038	38	4	4.9
VP-E90-044	VP-E45-044	44	4	4.6
VP-E90-051	VP-E45-051	51	5	5.2
VP-E90-054	VP-E45-054	54	5	5.2
VP-E90-057	VP-E45-057	57	5	5.2
VP-E90-060	VP-E45-060	60	5	5.7
VP-E90-063	VP-E45-063	63	5	5.5
VP-E90-070	VP-E45-070	70	5	4.6
VP-E90-076	VP-E45-076	76	5	4
VP-E90-080	VP-E45-080	80	5	4
VP-E90-083	VP-E45-083	83	5	4
VP-E90-089*	VP-E45-089*	89	5	3.4
VP-E90-102*	VP-E45-102*	102	6	3

\* - length arms 125 mm

Aluminium hose joiner



**HJ**

code	I.D. [mm]	wall thickness [mm]	length [mm]
VP-HJ-016-100	16	1.4	100
VP-HJ-019-100	19	1.25	100
VP-HJ-022-100	22	2	100
VP-HJ-025-100	25	2	100
VP-HJ-028-100	28	1.8	100
VP-HJ-032-100	32	1.5	100
VP-HJ-035-100	35	2	100
VP-HJ-038-100	38	1.6	100
VP-HJ-051-100	51	1.6	100
VP-HJ-057-100	57	1.6	100
VP-HJ-060-100	60	1.6	100
VP-HJ-063-100	63	1.6	100
VP-HJ-070-100	70	1.6	100
VP-HJ-076-100	76	1.6	100
VP-HJ-080-100	80	1.6	100
VP-HJ-089-100	89	2	100
VP-HJ-102-100	102	2	100

Straight reducer with polyester braid. length arms 102 mm



**SR**

code	I.D. [mm]	wall thickness [mm]	working pressure [mm]
VP-SR-019-013	19 x 13	4	6.9
VP-SR-019-016	19 x 16	4	6.9
VP-SR-022-016	22 x 16	4	8.6
VP-SR-025-016	25 x 16	4	6.9
VP-SR-025-019	25 x 19	4	6.9
VP-SR-032-019	32 x 19	4	6.9
VP-SR-032-025	32 x 25	4	6.9
VP-SR-035-025	35 x 25	4	6.3
VP-SR-038-025	38 x 25	4	4.6
VP-SR-038-032	38 x 32	4	4.6
VP-SR-038-035	38 x 35	4	4.6
VP-SR-051-038	51 x 38	5	5.1
VP-SR-051-044	51 x 44	5	5.1
VP-SR-054-051	54 x 51	5	5.1
VP-SR-057-051	57 x 51	5	5.1
VP-SR-057-054	57 x 54	5	5.1
VP-SR-060-051	60 x 51	5	5.8
VP-SR-063-051	63 x 51	5	5.5
VP-SR-063-060	63 x 60	5	5.5
VP-SR-070-051	70 x 51	5	4.6
VP-SR-070-060	70 x 60	5	4.6
VP-SR-070-063	70 x 63	5	4.6
VP-SR-076-051	76 x 51	5	4
VP-SR-076-060	76 x 60	5	4
VP-SR-076-063	76 x 63	5	4
VP-SR-076-070	76 x 70	5	4
VP-SR-080-070	80 x 70	5	4
VP-SR-080-076	80 x 76	5	4
VP-SR-083-076	83 x 76	5	4
VP-SR-089-070	89 x 70	5	3.4
VP-SR-089-076	89 x 76	5	3.4
VP-SR-102-076	102 x 76	5	3
VP-SR-102-089	102 x 89	5	3

Hump hose with polyester braid. length arms 100 mm



**HH**

code	I.D. [mm]	wall thickness [mm]	working pressure [mm]
VP-HH-051	51	5	5.1
VP-HH-060	60	5	5.7
VP-HH-063	63	5	5.5
VP-HH-070	70	5	4.6
VP-HH-076	76	5	4
VP-HH-080	80	5	4
VP-HH-089	89	5	3.4
VP-HH-102	102	5	3.4

# INDUSTRIAL HOSES - silicone

## Automotive hoses and hose connectors

Elbow with polyester braid reinforcement. length arms 102 mm



code (120° elbow)	code (135° elbow)	I.D. [mm]	wall thickness [mm]	working pressure [mm]
-	VP-E135-008	8	4	12.9
-	VP-E135-010	10	4	10.9
-	VP-E135-013	13	4	8
-	VP-E135-016	16	4	6.9
VP-E120-019	VP-E135-019	19	4	6.3
-	VP-E135-022	22	4	8
VP-E120-025	VP-E135-025	25	4	6.3
-	VP-E135-028	28	4	5.2
VP-E120-032	VP-E135-032	32	4	5.7
VP-E120-035	VP-E135-035	35	4	6.1
VP-E120-038	VP-E135-038	38	4	4.6
-	VP-E135-044	44	4	4.9
VP-E120-051	VP-E135-051	51	5	5.1
-	VP-E135-054	54	5	4.6
-	VP-E135-057	57	5	4.7
VP-E120-060	VP-E135-060	60	5	5.2
VP-E120-063	VP-E135-063	63	5	5.2
VP-E120-070	VP-E135-070	70	5	5.7
VP-E120-076	VP-E135-076	76	5	5.5
VP-E120-102*	-	102	6	3

\* - length arms 125 mm

Elbow with polyester braid reinforcement. length arms 102 mm



code	I.D. [mm]	wall thickness [mm]	working pressure [mm]
VP-E180-008	8	4	12.9
VP-E180-010	10	4	10.9
VP-E180-013	13	4	8
VP-E180-016	16	4	6.9
VP-E180-019	19	4	6.3
VP-E180-025	25	4	6.3
VP-E180-032	32	4	6.1
VP-E180-035	35	4	4.6
VP-E180-038	38	4	4.9
VP-E180-051	51	5	5.2
VP-E180-063	63	5	5.2
VP-E180-076	76	5	4

Elbow reducer with polyester braid. length arms 102 mm



code	I.D. [mm]	wall thickness [mm]	working pressure [mm]
VP-ER-019-013	19 x 13	4	6.3
VP-ER-019-016	19 x 16	4	6.3
VP-ER-022-016	22 x 16	4	8
VP-ER-022-019	22 x 19	4	8
VP-ER-025-019	25 x 19	4	6.3
VP-ER-032-019	32 x 19	4	5.2
VP-ER-032-025	32 x 25	4	6.1
VP-ER-035-022	35 x 22	4	5.2
VP-ER-035-025	35 x 25	4	4.6
VP-ER-035-032	35 x 32	4	4.6
VP-ER-038-025	38 x 25	4	4.9
VP-ER-038-032	38 x 32	4	4.9
VP-ER-038-035	38 x 35	4	4.9
VP-ER-051-044	51 x 44	5	5.2
VP-ER-057-054	57 x 54	5	5.1
VP-ER-060-051	60 x 51	5	5.1
VP-ER-063-051	63 x 51	5	5.1
VP-ER-063-054	63 x 54	5	5.1
VP-ER-063-057	63 x 57	5	5.1
VP-ER-070-051	70 x 51	5	4.6
VP-ER-070-060	70 x 60	5	4.6
VP-ER-070-063	70 x 63	5	4.6
VP-ER-076-051	76 x 51	5	4
VP-ER-076-060	76 x 60	5	4
VP-ER-076-063	76 x 63	5	4
VP-ER-076-070	76 x 70	5	4
VP-ER-089-076	89 x 76	5	3.4
VP-ER-102-076	102 x 76	6	3
VP-ER-102-089	102 x 89	6	3

Hump hose with Nomex braid reinforcement



code	I.D. [mm]	wall thickness [mm]	length [mm]
VP-BH-051	51	5	150
VP-BH-060	60	5	150
VP-BH-063	63	5	150
VP-BH-070	70	5	150
VP-BH-076	76	5	150
VP-BH-080	80	5	150
VP-BH-089	89	5	150
VP-BH-102	102	5	150
VP-BH-127	127	5	150
VP-BH-152	152	5	150

## INDUSTRIAL HOSES - silicone

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#### AUTO SILCAR RED®

**Internal layer:** Red silicone  
**Reinforcement:** Synthetic braid  
**External layer:** Red silicone  
**Working temp.:** From -50°C up to +180°C  
 (with peaks up to +200°C)

Delivery hose designed to transfer hot air or hot water mixed with anti-freeze liquids. Widely used in cooling systems of vehicles where resistance to high temperature and oil are required.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	standard length [m]
IV-SILCAR-015	15	22	3	9	40
IV-SILCAR-022	22	29	3	9	40
IV-SILCAR-025	25	32	3	9	40
IV-SILCAR-028	28	35	3	9	40
IV-SILCAR-032	32	39	3	9	40
IV-SILCAR-038	38	45	3	9	40
IV-SILCAR-051	51	58	3	9	40
IV-SILCAR-055	55	64	3	9	40
IV-SILCAR-105	105	114	3	9	10
IV-SILCAR-110	110	121	3	9	10
IV-SILCAR-305	305	319	3	9	10
IV-SILCAR-320	320	337	3	9	10



#### AUTO SILCAR RED / LL®

**Internal layer:** Red silicone  
**Reinforcement:** Synthetic braid, steel wire helix  
**External layer:** Red silicone  
**Working temp.:** From -50°C up to +180°C  
 (with peaks up to +200°C)

Delivery hose designed to transfer hot air or hot water mixed with anti-freeze liquids. Widely used in cooling systems of vehicles where resistance to high temperature and oil are required.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	vacuum [bar]	bending radius [mm]	standard length [m]
IV-SILCAR/LL-013	13	23.5	3	9	0.9	80	40
IV-SILCAR/LL-025	25	35.5	3	9	0.9	150	40
IV-SILCAR/LL-038	38	48.5	3	9	0.9	230	40
IV-SILCAR/LL-051	51	61.5	3	9	0.9	300	40

## INDUSTRIAL HOSES - silicone

### Automotive hoses and hose connectors



#### AUTO SILCAR RED / LO®

**Internal layer:** Red silicone  
**Reinforcement:** Synthetic braid, steel wire helix  
**External layer:** Red, corrugated silicone  
**Working temp.:** From -50°C up to +180°C  
 (with peaks up to +200°C)

Suction-delivery hose designed to transfer hot air or hot water mixed with anti-freeze liquids. Widely used in cooling systems of vehicles where resistance to high temperature and oil are required.

code	I.D. [mm]	working pressure [bar]	bursting pressure [bar]	standard length [m]
IV-SILCAR-LO-030	30	3	9	40
IV-SILCAR-LO-040	40	3	9	40
IV-SILCAR-LO-051	51	3	9	40
IV-SILCAR-LO-063	63.5	3	9	10
IV-SILCAR-LO-076	76	3	9	10
IV-SILCAR-LO-100	100	3	9	10
IV-SILCAR-LO-110	110	3	9	10
IV-SILCAR-LO-305	305	3	9	10



#### RADIUSIL / BLUE

**Internal layer:** Blue silicone  
**Reinforcement:** Textile braid  
**External layer:** Blue silicone  
**Working temp.:** From -60°C up to +180°C

Top grade silicone hose widely used in industry (e.g. cooling systems, hot air transfer). Excellent resistance to mineral oil fumes. Hardness: 65° Shore (A).

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	weight [kg/m]	standard length [m]
MT-RADIUSIL-B-010	10	18	12	0.23	20
MT-RADIUSIL-B-013	13	21	10	0.28	20
MT-RADIUSIL-B-016	16	24	9	0.35	20
MT-RADIUSIL-B-019	19	27	8	0.37	20
MT-RADIUSIL-B-025	25	33	6	0.47	20
MT-RADIUSIL-B-032	32	40	5	0.58	20
MT-RADIUSIL-B-038	38	46	4	0.68	20
MT-RADIUSIL-B-040	40	48	4	0.71	20
MT-RADIUSIL-B-050	50	58	3	0.87	20
MT-RADIUSIL-B-063	63.5	73.5	4	1.44	20
MT-RADIUSIL-B-075	75	85	4	1.64	20
MT-RADIUSIL-B-100	100	110	2.5	2.20	20