



unishore

SILICONE HOSES

AUTOMOTIVE &
INDUSTRIAL



WELL DONE

Heavy duty hoses

Developed for demanding heavy-duty vehicle applications.

Silicone hoses have been widely used in automotive and industrial applications for many years. They are recognized for their high performance, excellent flexibility, and long service life.

WIRE REINFORCED COOLANT HOSE



CONSTRUCTION

- 2-ply of polyester reinforcement.
- Helical wire reinforcement.
- Standard in blue outside, red inside or blue color.

SPECIFICATIONS

- Available in ID-mm 6, 8, 10, 13, 16, 19, 22, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 51, 54, 57, 60, 64, 70, 76, 80, 83, 89, 102, 114, 127, 130, 152.
- Thickness: 5mm
- Meet the requirement of SAE J20 R2
- Operating temperature: -55°C to +176°C
- Resists cracking, leaks, aging, and other chemicals. Not for fuel or gasoline.
- This unique design increases the burst pressure meanwhile offer excellent flexibility. It has a good performance against the vacuum.
- Please note the hose starts to lose flexibility gradually when the inner diameter larger than 38mm.

3-PLY COOLANT HOSE



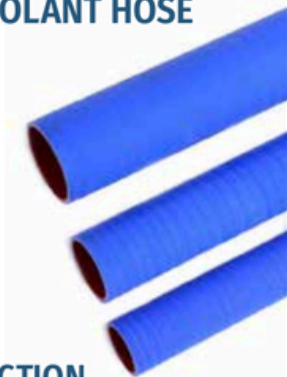
CONSTRUCTION

- 3-ply of polyester reinforcement.
- Standard in blue outside, red inside.
- Standard in 1m length. Other lengths are available.

SPECIFICATIONS

- Available in ID-mm 6, 8, 10, 13, 16, 19, 22, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 51, 54, 57, 60, 64, 70, 76, 80, 83, 89, 102, 114, 127, 130, 152.
- Thickness: 5mm
- Meet the requirement of SAE J20 R1
- Operating temperature: -55°C to +176°C
- Resists cracking, leaks, aging, and other chemicals. Not for fuel or gasoline.

4-PLY COOLANT HOSE



CONSTRUCTION

- 4-ply of polyester reinforcement.
- Standard in blue outside, red inside.
- Standard in 1m length. Other lengths are available.

SPECIFICATIONS

- Available in ID-mm 6, 8, 10, 13, 16, 19, 22, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 51, 54, 57, 60, 64, 70, 76, 80, 83, 89, 102, 114, 127, 130, 152.
- Thickness: 5
- Meet the requirement of SAE J20 R1
- Operating temperature: -55°C to +176°C
- Resists cracking, leaks, aging, and other chemicals. Not for fuel or gasoline.

SILICONE HEATER HOSE



CONSTRUCTION

- 1-ply of polyester reinforcement. Standard in blue outside, red inside. Standard in 25m
- Other lengths are available.

SPECIFICATIONS

- Available in ID-mm 6, 8, 10, 13, 16, 19, 22, 25, 38.
- Thickness: 4mm (22, 25, 38 with 4,5mm wall)
- Meet the requirement of SAE J20 R3
- Operating temperature: -55°C to +176°C
- Resists cracking, leaks, aging, and other chemicals. Not for fuel or gasoline.

TURBO CHARGER HOSE



CONSTRUCTION

- 4-ply of aramid reinforcement.
- Standard in red color.
- Standard in 1m length. Other lengths are available.

SPECIFICATIONS

- Available in ID-mm 6, 8, 10, 13, 16, 19, 22, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 51, 54, 57, 60, 64, 70, 76, 80, 83, 89, 102, 114, 127, 130, 152.
- Thickness: 4mm"
- Operating temperature: -55°C to +260°C
- Resists cracking, leaks, aging, and other chemicals. Not for fuel or gasoline.

API Tankwagenarmaturen

FIBERGLASS TURBO CHARGER HOSE



CONSTRUCTION

- 3 to 6-ply of aramid reinforcement.
- Standard in red color.
- Operating temperature: -55°C to +260°C
- Resists cracking, leaks, aging, and chemicals. Not for fuel or gasoline.
- Designed for extremely high pressure under high temperature.
(where no vibration is present)
- Talk to us for more information.

CAC HOSE - HOT SIDE



CONSTRUCTION

- 4-ply of aramid reinforcement.
- Standard in 2 or 3 rings, more options are available on request.
- Standard in red color.
- Standard in 152mm and 200mm length. Other lengths are available.
- Available in ID-mm 34, 38, 42, 48, 54, 60, 70, 76, 89
Thickness: 4,2mm
- Operating temperature: -55°C to +260°C
- Resists cracking, leaks, aging, and chemicals. Not for fuel or gasoline.

CAC HOSE - COLD SIDE



CONSTRUCTION

- 4-ply of aramid reinforcement.
- Standard in 2 or 3 rings, more options are available on request.
- Standard in blue or blue outside/red inside color.
- Standard in 6" and 8" length. Other lengths are available.
- Available in ID-mm 50, 54, 57, 60, 64, 67, 70, 73, 76, 80, 83, 86, 89, 95, 99, 102, 114, 127, 140, 152
- Thickness: 4,2"
- Operating temperature: -55°C to +176°C
- Resists cracking, leaks, aging, and chemicals. Not for fuel or gasoline.

90°/ 45° ELBOW COOLANT HOSE COLD SIDE & HOT SIDE



CONSTRUCTION

- 4-ply of polyester reinforcement.
- Standard in blue outside/red inside color.
- Available in ID 10, 13, 16, 19, 22, 25, 29, 32, 35, 38, 41, 44, 48, 50, 54, 57, 60, 64, 67, 70, 73, 76, 80, 83, 86, 89, 95, 99, 102, 114, 127, 140, 152.
- Standard in 152mm and 200mm length. Other legs are available.
- Thickness: 5mm
- Operating temperature: -55°C to +176°C
- For higher temperature need, please use the aramid reinforced with max 260°C hoses.
- Resists cracking, leaks, aging, and chemicals. Not for fuel or gasoline.

Universal hoses

High-quality silicone universal hoses available in a wide range of sizes and dimensions to meet diverse application requirements.

SILICONE 1 METER



CONSTRUCTION

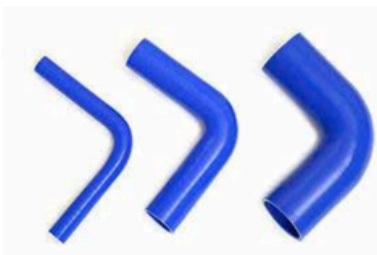
- 3 to 5-ply of polyester reinforcement
- Standard in black/blue/red color
- Standard in 1-meter length. Other lengths are available.

SPECIFICATIONS

- Any ID is available from 6 to 152mm.
- Thickness range:
6 to 48mm (3-ply 4mm)
50 to 85mm (4-ply 5mm)
89 to 152mm (5-ply 5mm)
- Resists cracking, leaks, aging, and other chemicals.
- Operating temperature: -55°C to +176°C.
Max 260°C is available for high temperature applications.

SILICONE ELBOWS

Available in 45° Elbow, 90° Elbow, 135° Elbow, 180° Elbow



CONSTRUCTION

- 3 to 5-ply of polyester reinforcement
- Standard in black/blue/red color
- Standard in 100mm, 125mm, 152mm, 200mm and 250mm. Other length are available.

SPECIFICATIONS

- Any ID is available from 6 to 152mm. (For 100mm and 125mm legs, the ID only available from 6 to 100mm)
- Thickness range:
6 to 48mm (3-ply 4mm)
50 to 85mm (4-ply 5mm)
89 to 152mm (5-ply 5mm)
- Resists cracking, leaks, aging, and many chemicals.
- Operating temperature: -55°C to +176°C. Max 260°C is available for high temperature applications.

ELBOW REDUCER

45° Elbow Reducer
90° Elbow Reducer



CONSTRUCTION

- 3 to 5-ply of polyester reinforcement
- Standard in black/blue/red color
- Standard in 100mm, 125mm, 152mm, 200mm and 250mm. Other length are available.

SPECIFICATIONS

- Any ID is available from 6 to 152mm. (For 100mm and 125mm legs, the ID only available from 6 to 100mm)
- Thickness range:
6 to 48mm (3-ply 4mm)
50 to 85mm (4-ply 5mm)
89 to 152mm (5-ply 5mm)
- Resists cracking, leaks, aging, and many chemicals.
- Operating temperature: -55°C to +176°C. Max 260°C is available for high temperature applications.

SINGLE HUMP



CONSTRUCTION

- 3 to 5-ply of polyester reinforcement.
- Standard in black/blue/red color.
- Standard in 76mm, 100mm.

SPECIFICATIONS

- Any ID is available from 6 to 152mm.
- Thickness range:
6 to 48mm (3-ply 4mm)
50 to 85mm (4-ply 5mm)
89 to 152mm (5-ply 5mm)
- Operating temperature: -55°C to +176°C.
Max 260°C is available for high temperature applications.
- Resists cracking, leaks, aging, and other chemicals.
Not for fuel or gasoline.

VACUUM HOSE



CONSTRUCTION

- Extruded non-reinforcement.
- Standard in black/blue/red color.
- Standard in 25m coils.
Other lengths are available.

SPECIFICATIONS

- Any ID is available from 2 to 12mm
- Thickness range: 1 to 5mm.
- Operating temperature: -55°C to +176°C.
- Resists cracking, leaks, aging, and other chemicals. Not for fuel or gasoline.

STRAIGHT REDUCER



CONSTRUCTION

- 3 to 5-ply of polyester reinforcement.
- Standard in black/blue/red color.
- Standard in 76mm, 100mm, 125mm, 127mm length. Other length are available.

SPECIFICATIONS

- Any ID is available from 6 to 152mm.
- Thickness range:
6 to 48mm (3-ply 4mm)
50 to 85mm (4-ply 5mm)
89 to 152mm (5-ply 5mm)
- Operating temperature: -55°C to +176°C. Max 260°C is available for high temperature applications.
- Resists cracking, leaks, aging, and other chemicals.

Charge air hoses for commercial vehicles

Developed for use in turbocharged and charge air cooling systems, including compressor outlets, air intake lines, and intercooler connections. For increased performance requirements, the hose design can be further optimized with wire reinforcement and convoluted sections, resulting in improved resistance to deformation and enhanced flexibility.

MERCEDES



OEM Numbers:

A0249970882	N90027105005
A0249970382	Ø50x200mm
A0029975452	90027106002
0020945482	Ø60x120mm
0020946382	Ø70x70mm
0010947982	A0005010582
A0249970782	Ø65x150mm
A0020945782	Ø85x90mm
A0020945582	A0029970852
0020946082	Ø15x90mm
0020945282	N900271022024
A0005010082	A0029872443
A0005016082	Ø60/50x130mm
A0005010182	Ø70/50x140mm
A0005016182	0009970653
A3 3715018082	A0029971152
A3 3715017982	A0029976352
0020946982	A0029970852
0020943482	A0005010582
A6285283282	0009870443
A0029976352	0009970653

RVI RENAULT



OEM Numbers:

5010514310
5010315483
5010315483
5010095482
5005026298

NEOPLAN

OEM Numbers:

A0249970782
47412204000

DAF

OEM Numbers:

1286075	1204236
1346328	1650940
1204236	1377572
0291452	0528299
0292577	0281514
1378391	

SCANIA



OEM Numbers:

488368
390581
1442579
1358202
1522010
1522011
Ø80x182mm
1375718
Ø76x80mm

SETRA

OEM Numbers:

Ø115X160mm
4.741.291.400
Ø70x100mm

VOLVO



OEM Numbers:

8149800
20589123
1676744
20589122
20561450
1675098
1660264
466328
Ø25x100mm
470464
1195081
470327

MAN

OEM Numbers:

81963200175	81963010543	81906320170
81963200148	81964200506	Ø70x150mm
81963200115	81963010590	Ø75x70mm
81963010901	81963010648	51963300190
81963010902	Ø6x1000mm	81963010594
81963010903	Ø26x60mm	81963010624
Ø90x200mm	Ø50x70mm	81963010600
81963200159	51963300359	81963200132
81963200168	81963300300	
81963010587	Ø57x110mm	

IVECO



OEM Numbers:

41026109	Ø51x70mm
41026110	Ø44x100mm
42088621	Ø83x80mm
Ø90x150mm	Ø90x90mm
Ø27x80mm	

AMERICAN TRUCKS

OEM Numbers:

2014134C2 International	3899126C1 International
2024703C2 International	3945596C1 International
1673866C2 International	503232C1 International
3541592C1 International	571611C1 International
3543541C1 International	571598C1 International
2608804C3 International	7094706C1 International
3543544C1 International	7094705C1 International
3558834C2 International	7076703C1 International
3582899C2 International	M50-6012-572230950
3610350C1 International	4919970 Cummins
3610353C1 International	3818267 Cummins
3865657C1 International	4936622 Cummins
3872072C1 International	2239257 Caterpillar



3170764 Caterpillar
F50-6308
Peterbilt & Kenworth
F04-6006
Peterbilt & Kenworth
M50-6012-532231700
Peterbilt
M50-6012-572230950
Peterbilt
FRE1020-00001 Freightliner

Custom hose solutions

Developed for a wide range of applications and tailored to meet diverse OEM and aftermarket requirements.

REDESIGN



DESCRIPTION

Original assembly kits often consist of multiple individual components such as clamps, connectors, plastic parts, and related elements, with performance typically aligned to standard requirements. Our experienced custom solutions team can redesign these assemblies into an integrated one-piece hose solution to help reduce potential leak points, optimize performance, and incorporate application-specific features..

VARIETIES OF OPTIONS



DESCRIPTION

Our company works in close collaboration with leading raw material manufacturers to ensure consistent, reliable, and fully traceable product quality.

The raw material options including:

- Industrial Silicone (max 180°C and 260°C)
- FVMQ (Fluorosilicone)
- FKM (Fluororubber)
- Food Grade Silicone (FDA, BfR & EC 1935/2004)
- Sanitary Silicone (UPS Class VI)
- EPDM Rubber
- Nitrile Rubber
- ACM Rubber
- AEM Rubber
- CM Rubber
- Neoprene Rubber
- Plastic (Such as PA66, PA12 etc)

PERFORMANCE UPGRADE



DESCRIPTION

The combination of the hose with reinforcing rings or an integrated helical wire significantly enhances performance, enabling it to withstand elevated operating pressures as well as demanding vacuum conditions.

Two reinforcement options are commonly applied:

External rings secured with silicone ribs on both sides, primarily improving burst pressure resistance.

Continuous wire or rings embedded within the hose layers, providing a cleaner overall appearance and improved resistance to both vacuum and burst pressures..

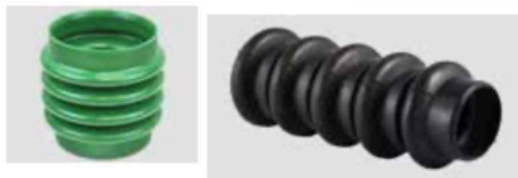
HYDROGEN, FUEL CELL & BATTERIES



CONSTRUCTION

Hydrogen and fuel cell vehicles generate electrical energy from hydrogen or battery systems, which is then used to drive the electric powertrain or stored temporarily in the traction battery. Due to these specific operating conditions, hose solutions must be free from inclusions and manufactured to elevated quality standards in order to support long service life and protect sensitive fuel cell systems. To reduce the risk of fluid leakage, these hoses are often developed as highly integrated assemblies, which increases production complexity and requires advanced manufacturing expertise. With broad experience in supplying hose solutions for demanding OEM applications, we are available to provide further information on request.

MOULDED BELLOWS



With extensive experience since 2011 in the development and production of molded bellows, hose solutions, and gaskets, MCC supports a broad range of applications across various material types and enables efficient, streamlined project implementation.

FIRE RETARDANT HOSE



EN
45545-2
R22/R23

Developed specifically for transit applications, these hose solutions are manufactured from flame-resistant materials with low smoke emission and reduced toxic fume generation. Silicone and EPDM fire-retardant hose constructions can be designed to meet relevant EN 45545-2 R22/R23 requirements. From prototype quantities to large-scale series production, MCC provides reliable support across the full project and production process.

HOSE ROLL

Versatile hoses suitable for agricultural, automotive, construction, and industrial uses.



SILICONE FLEX HOSE - CORRUGATED ENDS

High Pressure



- Available in ID 13 to 38mm
- Thickness 3-ply 4mm
- Length in 1 to 5m

Manufactured with an integrated steel wire spiral within the reinforcement layers, this design provides enhanced flexibility beyond the capabilities of conventional straight hose constructions.

SILICONE FLEX HOSE - SMOOTH ENDS

Low Pressure



Made with a steel wire spiral and 2-ply polyester reinforcement in the center, with multiple plies at both ends. Sizes DN13-70mm, lengths 350, 500, 700, 750, and 1000mm. Recommended working pressure: ID ≤50mm, 3 bar; ID >50mm, 2 bar.



EPDM Hose Roll



NBR Hose Roll

More hoses for special needs

Explore further solution.

MATTE COLOR HOSE



Developed for applications where the functional advantages of silicone are required together with a more conventional rubber-style surface appearance. Selected hose constructions can be manufactured from black silicone and finished with a special surface treatment to achieve a matte look while retaining the typical performance benefits of silicone. Matte finishes can also be realized in other colors such as red or blue, depending on the application and design requirements.

OIL RESISTANT SILICONE HOSE



Increasingly stringent emissions requirements and rising engine performance levels are driving greater demand for oil-resistant hose solutions in automotive applications.

Typically, two solutions are used:

- FVMQ-lined silicone hoses
- FKM-lined silicone hoses

From these, various combinations are developed to suit different conditions. For example:

- FVMQ+polyester / FKM+polyester for standard oil resistance 180°C
- FVMQ+aramid / FKM+aramid for high-temperature oil resistance 260°C

SPIRAL GUARD



Available in inner diameters from 10 to 152 mm, with lengths customizable to specific application requirements. Operating temperature range: -50°C to +100°C. Available in black, red, blue, yellow, and additional colors on request. Suitable for applications in mining, machinery, forestry, agriculture, commercial vehicles, and automotive sectors.

CLAMPS FOR AUTOMOTIVE & INDUSTRIAL



FILTERS FOR DIFFERENT APPLIC ATIONS



HEAD GASKET

