


URASIL A
Silicone hose with 3ply polyster reinforcement

URM
BELGIUM

Thickness 4.5 to 5.5mm

|  | | | |
|--|---|------------------------|------------------------|
| Straight | Elbow 90 deg | Reducer elbow 90 deg | Straight Reducer |
| Length up to 10 meters | Arm length 102mm(4") to 300mm(12") | Arm length 102mm(4") | Length 102mm(4") |
| 6mm(1/4") | 9.5mm(3/8") | 19-12.7(3/4"-1/2") | 19-12.7mm(3/4"-1/2") |
| 8mm(5/16") | 12.7mm(1/2") | 19-16mm(3/4"-5/8") | 19-16mm(3/4"-5/8") |
| 10mm(3/8") | 16mm(5/8") | 22-19mm(7/8"-3/4") | 25-19mm(1"-3/4") |
| 13mm(1/2") | 19mm(3/4") | 25-19mm(1"-3/4") | 32-19mm(1 1/4"-3/4") |
| 16mm(5/8") | 22mm(7/8") | 32-25mm(1 1/4"-1") | 32-19mm(1 1/4"-3/4") |
| 19mm(3/4") | 25mm(1") | 32-28mm(1 1/4"-11/8) | 32-25mm(1 1/4"-1") |
| 22mm(7/8") | 28mm(1 1/8") | 35-22mm(1 3/8"-7/8") | 51-38mm(2"-1 1/2") |
| 25mm(1") | 32mm(1 1/4") | 35-32mm(1 3/8"-1 1/4") | 51-45mm(2"-1 3/4") |
| 29mm(1 1/8") | 35mm(1 3/8") | 38-25mm(1 1/2"-1") | 57-51mm(2 1/4"-2") |
| 32mm(1 1/4") | 38mm(1 1/2") | 38-32mm(1 3/8"-1 1/4") | 63-51mm(2 1/1"-2") |
| 35mm(1 3/8") | 41mm(1 5/8") | 45-32mm(1 3/4"-1 1/4") | 76-51mm(3"-2") |
| 38mm(1 1/2") | 45mm(1 3/4") | 51-45mm(2"-1 3/4") | 70-60mm(2 3/4"-23/8") |
| 41mm(1 5/8") | 48mm(1 7/8") | 54-48mm(2 1/8"-1/6") | 70-50mm(2 3/4"-2") |
| 44mm(1 3/4") | 51mm(2") | 57-51mm(2 1/4"-2") | 90-70mm(3 1/2"-2 3/4") |
| 48mm(1 7/6") | 54mm(2 1/8") | 57-51mm(2 1/4"-2") | 38-22mm(1 1/2"-7/8") |
| 51mm(2") | 57mm(2 1/4") | 60-50mm(2 3/8"-2") | 38-28mm(1 1/2"-1 1/8") |
| 54mm(2 1/8") | 60mm(2 3/8") | 38-22mm(1 1/2"-7/8") | 38-25mm(1 1/2"-1") |
| 57mm(2 1/4") | 63mm(2 1/1") | 38-28mm(1 1/2"-11/8") | 45-35mm(1 3/4"-1 3/8") |
| 60mm(2 3/8") | 70mm(2 3/4") | 22--16mm(7/8"-5/6") | 22--16mm(7/8"-5/8") |
| 64mm(2 1/2") | 76mm(3") | 28-25mm(1 1/8"-1") | |
| 67mm(2 3/5") | 89mm(3 1/2") | | |
| 70mm(2 3/4") | 102mm(4") | | |
| 73mm(3 1/4"), | <p>URASIL A</p> <p>Silicone Hoses with Polyester Fabric Reinforcement</p> <p>Our standard Silicone hoses have 3 plies of Polyester reinforcement till hoses of Internal Diameter of 60mm. For larger diameters, we use 4 plies of the same reinforcement to provide better pressure resistance. Our hoses undergo extensive physical, chemical, and biological testing to perfectly match industry needs.</p> <p>Temperature</p> <p>The operating temperature range is from -60°C to 180°C, although there are no problems with peak temperatures of 200°C for short periods of time.</p> <p>Applications</p> <p>Cooling and heating systems in buses and trucks.</p> | | |
| 76mm(3") | | | |
| 79mm(3 1/8") | | | |
| 83mm(3 1/4") | | | |
| 86mm(3 3/8") | | | |
| 89mm(3 1/2") | | | |
| 92mm(1 3/5") | | | |
| 95mm(3 3/4") | | | |
| 98mm(3 7/8") | | | |
| 102mm(4") | | | |
| 115mm(4 1/2") | | | |
| 127mm(5"), | | | |
| 140mm(5 1/2") | | | |

URASIL B
Silicone hoses with 3ply Nomex reinforcement

Thickness 4.5 to 5.5mm

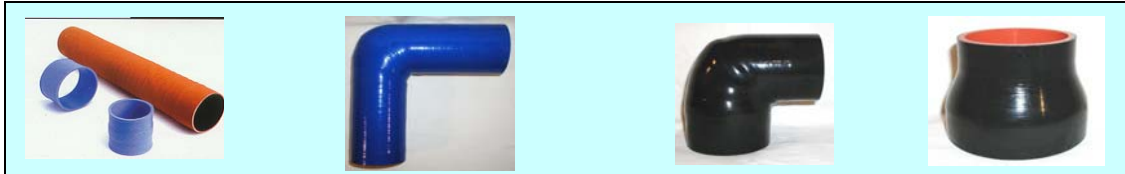


| Straight | Elbow 90 deg | Reducer elbow 90 deg | Straight Reducer |
|------------------------|--|------------------------|------------------------|
| Length up to 10 meters | Arm length 102mm(4") to 300mm(12") | Arm length 102mm(4") | Length 102mm(4") |
| 6mm(1/4") | 9.5mm(3/8") | 19-12.7(3/4"-1/2") | 19-12.7mm(3/4"-1/2") |
| 8mm(5/16") | 12.7mm(1/2") | 19-16mm(3/4"-5/8") | 19-16mm(3/4"-5/8") |
| 10mm(3/8") | 16mm(5/8") | 22-19mm(7/8"-3/4") | 25-19mm(1"-3/4") |
| 13mm(1/2") | 19mm(3/4") | 25-19mm(1"-3/4") | 32-19mm(1 1/4"-3/4") |
| 16mm(5/8") | 22mm(7/8") | 32-25mm(1 1/4"-1") | 32-19mm(1 1/4"-3/4") |
| 19mm(3/4") | 25mm(1") | 32-28mm(1 1/4"-11/8) | 32-25mm(1 1/4"-1") |
| 22mm(7/8") | 28mm(1 1/8") | 35-22mm(1 3/8"-7/8") | 51-38mm(2"-1 1/2") |
| 25mm(1"), | 32mm(1 1/4") | 35-32mm(1 3/8"-1 1/4") | 51-45mm(2"-1 3/4") |
| 29mm(1 1/8") | 35mm(1 3/8") | 38-25mm(1 1/2"-1") | 57-51mm(2 1/4"-2") |
| 32mm(1 1/4") | 38mm(1 1/2") | 38-32mm(1 3/8"-1 1/4") | 63-51mm(2 1/1"-2") |
| 35mm(1 3/8") | 41mm(1 5/8") | 45-32mm(1 3/4"-1 1/4") | 76-51mm(3"-2") |
| 38mm(1 1/2") | 45mm(1 3/4") | 51-45mm(2"-1 3/4") | 70-60mm(2 3/4"-23/8") |
| 41mm(1 5/8") | 48mm(1 7/8") | 54-48mm(2 1/8"-1/6") | 70-50mm(2 3/4"-2") |
| 44mm(1 3/4") | 51mm(2") | 57-51mm(2 1/4"-2") | 90-70mm(3 1/2"-2 3/4") |
| 48mm(1 7/6") | 54mm(2 1/8") | 57-51mm(2 1/4"-2") | 38-22mm(1 1/2"-7/8") |
| 51mm(2") | 57mm(2 1/4") | 60-50mm(2 3/8"-2") | 38-28mm(1 1/2"-1 1/8") |
| 54mm(2 1/8") | 60mm(2 3/8") | 38-22mm(1 1/2"-7/8") | 38-25mm(1 1/2"-1") |
| 57mm(2 1/4") | 63mm(2 1/1") | 38-28mm(1 1/2"-11/8") | 45-35mm(1 3/4"-1 3/8") |
| 60mm(2 3/8") | 70mm(2 3/4") | 22--16mm(7/8"-5/6") | 22--16mm(7/8"-5/8") |
| 64mm(2 1/2") | 76mm(3") | 28-25mm(1 1/8"-1") | |
| 67mm(2 3/5") | 89mm(3 1/2") | | |
| 70mm(2 3/4") | 102mm(4") | | |
| 73mm(3 1/4"), | <p>URASIL B</p> <p>Silicone Hoses with Nomex® / Aramid Fabric Reinforcement</p> <p>The Silicone hoses have 3 or 4 ply reinforcements of aramid fiber (Nomex®).</p> <p>Temperature</p> <p>The operating temperature range is from -60°C to 200°C, although there are no problems with peak temperatures of 220°C for short periods of time.</p> <p>Applications</p> <p>These high temperature resistant hose is mainly used in applications which require resistance to higher peak temperatures, for e.g. Turbo-charging.</p> | | |
| 76mm(3") | | | |
| 79mm(3 1/8") | | | |
| 83mm(3 1/4") | | | |
| 86mm(3 3/8") | | | |
| 89mm(3 1/2") | | | |
| 92mm(1 3/5") | | | |
| 95mm(3 3/4") | | | |
| 98mm(3 7/8") | | | |
| 102mm(4") | | | |
| 115mm(4 1/2") | | | |
| 127mm(5"), | | | |
| 140mm(5 1/2") | | | |

URASIL C

Silicone hoses with 3 and 4 ply polyester reinforcement with 0.5mm Liner of Fluor silicone

Thickness 4.5 to 5.5mm



| Straight | Elbow 90 deg | Reducer elbow 90 deg | Straight Reducer |
|------------------------|------------------------------------|------------------------|------------------------|
| Length up to 10 meters | Arm length 102mm(4") to 300mm(12") | Arm length 102mm(4") | Length 102mm(4") |
| 6mm(1/4") | 9.5mm(3/8") | 19-12.7(3/4"-1/2") | 19-12.7mm(3/4"-1/2") |
| 8mm(5/16") | 12.7mm(1/2") | 19-16mm(3/4"-5/8") | 19-16mm(3/4"-5/8") |
| 10mm(3/8") | 16mm(5/8") | 22-19mm(7/8"-3/4") | 25-19mm(1"-3/4") |
| 13mm(1/2") | 19mm(3/4") | 25-19mm(1"-3/4") | 32-19mm(1 1/4"-3/4") |
| 16mm(5/8") | 22mm(7/8") | 32-25mm(1 1/4"-1") | 32-19mm(1 1/4"-3/4") |
| 19mm(3/4") | 25mm(1") | 32-28mm(1 1/4"-11/8") | 32-25mm(1 1/4"-1") |
| 22mm(7/8") | 28mm(1 1/8") | 35-22mm(1 3/8"-7/8") | 51-38mm(2"-1 1/2") |
| 25mm(1"), | 32mm(1 1/4") | 35-32mm(1 3/8"-1 1/4") | 51-45mm(2"-1 3/4") |
| 29mm(1 1/8") | 35mm(1 3/8") | 38-25mm(1 1/2"-1") | 57-51mm(2 1/4"-2") |
| 32mm(1 1/4") | 38mm(1 1/2") | 38-32mm(1 3/8"-1 1/4") | 63-51mm(2 1/1"-2") |
| 35mm(1 3/8") | 41mm(1 5/8") | 45-32mm(1 3/4"-1 1/4") | 76-51mm(3"-2") |
| 38mm(1 1/2") | 45mm(1 3/4") | 51-45mm(2"-1 3/4") | 70-60mm(2 3/4"-23/8") |
| 41mm(1 5/8") | 48mm(1 7/8") | 54-48mm(2 1/8"-1/6") | 70-50mm(2 3/4"-2") |
| 44mm(1 3/4") | 51mm(2") | 57-51mm(2 1/4"-2") | 90-70mm(3 1/2"-2 3/4") |
| 48mm(1 7/6") | 54mm(2 1/8") | 57-51mm(2 1/4"-2") | 38-22mm(1 1/2"-7/8") |
| 51mm(2") | 57mm(2 1/4") | 60-50mm(2 3/8"-2") | 38-28mm(1 1/2"-1 1/8") |
| 54mm(2 1/8") | 60mm(2 3/8") | 38-22mm(1 1/2"-7/8") | 38-25mm(1 1/2"-1") |
| 57mm(2 1/4") | 63mm(2 1/1") | 38-28mm(1 1/2"-11/8") | 45-35mm(1 3/4"-1 3/8") |
| 60mm(2 3/8") | 70mm(2 3/4") | 22--16mm(7/8"-5/6") | 22--16mm(7/8"-5/8") |
| 64mm(2 1/2") | 76mm(3") | 28-25mm(1 1/8"-1") | |
| 67mm(2 3/5") | 89mm(3 1/2") | | |
| 70mm(2 3/4") | 102mm(4") | | |
| 73mm(3 1/4"), | | | |
| 76mm(3") | | | |
| 79mm(3 1/8") | | | |
| ,83mm(3 1/4") | | | |
| 86mm(3 3/8") | | | |
| 89mm(3 1/2") | | | |
| 92mm(1 3/5") | | | |
| 95mm(3 3/4") | | | |
| 98mm(3 7/8") | | | |
| 102mm(4") | | | |
| 115mm(4 1/2") | | | |
| 127mm(5"), | | | |
| 140mm(5 1/2") | | | |

Materials
 URASIL C hoses are made from SILICONE rubber & if there are highly corrosive oils, coolants or vapors in contact, an inner lining of 0.5mm thickness of Fluorosilicone rubber is recommended.

Reinforcement
 The reinforcing fabric is usually polyester. However if the temperature & pressure requirement is high, aramid fabrics such as NOMEX® or KEVLAR® are used.

URASIL D

Silicone hose with 4ply polyester reinforcement


Thickness 4.5 to 5.5mm



| Straight | Elbow 90 deg | Reducer elbow 90 deg | Straight Reducer |
|------------------------|---|------------------------|------------------------|
| Length up to 10 meters | Arm length 102mm(4") to 300mm(12") | Arm length 102mm(4") | Length 102mm(4") |
| 6mm(1/4") | 9.5mm(3/8") | 19-12.7(3/4"-1/2") | 19-12.7mm(3/4"-1/2") |
| 8mm(5/16") | 12.7mm(1/2") | 19-16mm(3/4"-5/8") | 19-16mm(3/4"-5/8") |
| 10mm(3/8") | 16mm(5/8") | 22-19mm(7/8"-3/4") | 25-19mm(1"-3/4") |
| 13mm(1/2") | 19mm(3/4") | 25-19mm(1"-3/4") | 32-19mm(1 1/4"-3/4") |
| 16mm(5/8") | 22mm(7/8") | 32-25mm(1 1/4"-1") | 32-19mm(1 1/4"-3/4") |
| 19mm(3/4") | 25mm(1") | 32-28mm(1 1/4"-11/8") | 32-25mm(1 1/4"-1") |
| 22mm(7/8") | 28mm(1 1/8") | 35-22mm(1 3/8"-7/8") | 51-38mm(2"-1 1/2") |
| 25mm(1"), | 32mm(1 1/4") | 35-32mm(1 3/8"-1 1/4") | 51-45mm(2"-1 3/4") |
| 29mm(1 1/8") | 35mm(1 3/8") | 38-25mm(1 1/2"-1") | 57-51mm(2 1/4"-2") |
| 32mm(1 1/4") | 38mm(1 1/2") | 38-32mm(1 3/8"-1 1/4") | 63-51mm(2 1/1"-2") |
| 35mm(1 3/8") | 41mm(1 5/8") | 45-32mm(1 3/4"-1 1/4") | 76-51mm(3"-2") |
| 38mm(1 1/2") | 45mm(1 3/4") | 51-45mm(2"-1 3/4") | 70-60mm(2 3/4"-23/8") |
| 41mm(1 5/8") | 48mm(1 7/8") | 54-48mm(2 1/8"-1/6") | 70-50mm(2 3/4"-2") |
| 44mm(1 3/4") | 51mm(2") | 57-51mm(2 1/4"-2") | 90-70mm(3 1/2"-2 3/4") |
| 48mm(1 7/6") | 54mm(2 1/8") | 57-51mm(2 1/4"-2") | 38-22mm(1 1/2"-7/8") |
| 51mm(2") | 57mm(2 1/4") | 60-50mm(2 3/8"-2") | 38-28mm(1 1/2"-1 1/8") |
| 54mm(2 1/8") | 60mm(2 3/8") | 38-22mm(1 1/2"-7/8") | 38-25mm(1 1/2"-1") |
| 57mm(2 1/4") | 63mm(2 1/1") | 38-28mm(1 1/2"-11/8") | 45-35mm(1 3/4"-1 3/8") |
| 60mm(2 3/8") | 70mm(2 3/4") | 22--16mm(7/8"-5/6") | 22--16mm(7/8"-5/8") |
| 64mm(2 1/2") | 76mm(3") | 28-25mm(1 1/8"-1") | |
| 67mm(2 3/5") | 89mm(3 1/2") | | |
| 70mm(2 3/4") | 102mm(4") | | |
| 73mm(3 1/4"), | <p>URASIL D</p> <p>Silicone Hoses with Polyester Fabric Reinforcement</p> <p>Our TYPE D Silicone hoses have 4 plies of Polyester reinforcement.</p> <p>Temperature</p> <p>The operating temperature range is from -60°C to 180°C, although there are no problems with peak temperatures of 200°C for short periods of time.</p> <p>Applications</p> <p>Cooling and heating systems in buses and trucks.</p> | | |
| 76mm(3") | | | |
| 79mm(3 1/8") | | | |
| 83mm(3 1/4") | | | |
| 86mm(3 3/8") | | | |
| 89mm(3 1/2") | | | |
| 92mm(1 3/5") | | | |
| 95mm(3 3/4") | | | |
| 98mm(3 7/8") | | | |
| 102mm(4") | | | |
| 115mm(4 1/2") | | | |
| 127mm(5"), | | | |
| 140mm(5 1/2") | | | |


URASIL E

Silicone hose with 3ply polyster reinforcement and interior spring steel spiral

| | | |
|-----------------------|--|---|
| Straight |  | |
| Length up to 1 meters | | |
| 6mm(1/4") | | |
| 8mm(5/16") | | |
| 10mm(3/8") | | |
| 13mm(1/2") | | |
| 16mm(5/8") | | |
| 19mm(3/4") | | |
| 22mm(7/8") | | |
| 25mm(1"), | | |
| 29mm(1 1/8") | | |
| 32mm(1 1/4") | | |
| 35mm(1 3/8") | | |
| 38mm(1 1/2") | | |
| 41mm(1 5/8") | | |
| 44mm(1 3/4") | | |
| 48mm(1 7/6") | | |
| 51mm(2") | | |
| 54mm(2 1/8") | | <p>URASIL E</p> <p>Silicone hose with 2-3 plies of Polyester reinforcement and an inner ply of Spring Steel. The outer and inner surfaces are smooth.</p> <p>Applications : Heating and cooling systems in buses, coaches and industrial vehicles. Fluid Transmission in applications where high flexibility is required.</p> <p>Type E2 : Silicone hose with 2 plies of Polyester reinforcement and an inner ply of Spring Steel Wire. The inner surface is smooth while the outer surface is convoluted / corrugated.</p> <p>Applications : Fluid Transmission in applications where high flexibility is required.</p> |
| 57mm(2 1/4") | | |
| 60mm(2 3/8") | | |
| 64mm(2 1/2") | | |
| 67mm(2 3/5") | | |
| 70mm(2 3/4") | | |
| 73mm(3 1/4"), | | |
| 76mm(3") | | |
| 79mm(3 1/8") | | |
| 83mm(3 1/4") | | |
| 86mm(3 3/8") | | |
| 89mm(3 1/2") | | |
| 92mm(1 3/5") | | |
| 95mm(3 3/4") | | |
| 98mm(3 7/8") | | |
| 102mm(4") | | |
| 115mm(4 1/2") | | |
| 127mm(5"), | | |
| 140mm(5 1/2") | | |

URM TYPE EPDM

EPDM Convoluted hose with interior spring steel spiral for Vacuum Suction Pressure

| | | |
|-----------------------|--|--|
| Straight |  | |
| Length up to 1 meters | | |
| 6mm(1/4") | | |
| 8mm(5/16") | | |
| 10mm(3/8") | | |
| 13mm(1/2") | | |
| 16mm(5/8") | | |
| 19mm(3/4") | | |
| 22mm(7/8") | | |
| 25mm(1"), | | |
| 29mm(1 1/8") | | |
| 32mm(1 1/4") | | |
| 35mm(1 3/8") | | |
| 38mm(1 1/2") | | |
| 41mm(1 5/8") | | |
| 44mm(1 3/4") | | |
| 48mm(1 7/6") | | |
| 51mm(2") | | |
| 54mm(2 1/8") | | |
| 57mm(2 1/4") | | |
| 60mm(2 3/8") | | <p>We manufacture a range of rubber vacuum hoses, suction rubber hoses in natural, SBR, EPDM, PVC/NBR, Hypalon®, Viton®, Neoprene®, Vamac® and NBR in straight as well as dissimilar shapes. The reinforcement fabrics used are usually Polyesters and sometimes even Kevlar® as required by the customers. The Suction/Vacuum hoses are convoluted with a Spring Steel wire coil. The Hoses are either extruded with yarn braiding or wrapped with fabric plies.</p> <p>Applications Automotive and Industrial - Suction/Vacuum hoses, Radiator hoses, Fuel hoses, Air & Water hoses, etc.</p> |
| 64mm(2 1/2") | | |
| 67mm(2 3/5") | | |
| 70mm(2 3/4") | | |
| 73mm(3 1/4"), | | |
| 76mm(3") | | |
| 79mm(3 1/8") | | |
| 83mm(3 1/4") | | |
| 86mm(3 3/8") | | |
| 89mm(3 1/2") | | |
| 92mm(1 3/5") | | |
| 95mm(3 3/4") | | |
| 98mm(3 7/8") | | |
| 102mm(4") | | |
| 115mm(4 1/2") | | |
| 127mm(5"), | | |
| 140mm(5 1/2") | | |

URM TYPE F

EPDM or SILICONE or SILICON/FLUOR SILICONE or SILICON/VITON or NEOPRENE OR NEOPRENE/NBR hoses and elbows following your drawing, or samples.



What is the difference between Polyester and Aramid fabric? Polyester fabric is a tightly woven fabric with excellent resistance to water/coolant with moderate heat resistance when compared to other reinforcing fabrics. Polyester reinforced hoses are typically used on intercooler pipes, intakes, TB connections and even custom cooling system applications.

The temperature limitations of polyester reinforced hoses ranges from -50°C to $+175^{\circ}\text{C}$. This profits the use of polyester reinforced hoses near hot exhaust components as well as being directly mounted to the turbo.

Aramid fabric is the same material used in fire-fighter turnout gear. By nature it is a fire resistant material with some excellent high temperature resistance. . This can only be done safely with either a Aramid or fiberglass reinforced hose. The maximum sustained temperature for an Aramid reinforced hose is 250°C .