# Parker Product Datasheet



Parker Legris self-fastening hoses are designed to be used with barb fittings or mold quick couplers to convey in-plant industrial fluids. They offer both excellent sealing and robustness with the simplicity of installation for a long life span

**PART NUMBER:** MHS1025
**HOSE OUTSIDE DIAMETER:** 0.551 INCH
**COVER COLOR:** Silver
**LENGTH PER PACKAGE:** 25 M
**HOSE INSIDE DIAMETER:** 0.374 INCH

## PRODUCT OVERVIEW

This range of hose is a versatile general purpose hose designed to handle air, coolant, mild chemicals and water. The hose construction incorporates a tube, in different material according to the version NBR, EPDM, FKM or silicone, that is compatible with light oil mists found in air tool lubricating systems, water, oil and fuel and the textile or metallic reinforcement provide flexibility and high mechanical resistance. The cover NBR, EPDM or metal is resistant to abrasion, heat and ozone, and is available in 4 main standard colors for color-coded identification

Parker Legris self-fastening hoses are designed to be used with Parker Legris barb connectors or mold quick couplings to convey lot of in-plant industrial fluids. They offer both the sealing and robustness reliability of self-fastening technology and the simplicity of installation with a long service life.

Parker Legris self-fastening NBR hoses are designed according to CNOMO E07.21.115N*.

Features/Benefits:

- Exceptional Endurance

• Unsurpassed resistance to repetitive flexing

• Protection against spark and flame

• Abrasion and crush-resistant

• UV-resistant

- Ideal for In-Plant Automotive

• Excellent ozone resistance

• Perfect for cooling systems

• Maximum flow with low pressure drop

• 4 colours for immediate circuit identification

• Silicone-free for NBR version

- Ready-To-Use

• No lubrication, additive (grease, oil, …etc), or preparation time required

• To connect: push the hose fully home against the fitting shoulder

• To disassemble: cut the hose on the barbed side of the fitting

Markets:

- Machine Tools
- Miscellaneous Manufacturing
- Vehicle Assembly Facilities

Applications:

- Compressed Air and Coolants Conveying or uppon request Fuel and Oil Conveying
- Applications Subjected to Flying Sparks
- Welding Robots
- Industrial Cooling Systems

Technologies:

- Self-Fastening Hose
- Braided Hose with internal textile yard for NBR and EPDM and external metallic braid for Silicone and FKM
- NBR Hose
- EPDM Hose
- FKM Hose
- Silicone Hose

• Technical Hose

• Industrial Hose

Technical Characteristics:

• Fluids: Coolants, Compressed Air, Oil and Fuel Upon Request

• Materials: Nitrile butadiene rubber & textile braid (10XXH)

• Materials: EPDM & textile braid (MHEXXXX)

• Materials: FKM & Stainless steel braid (MHFXXXX)

• Materials: Silicone & Stainless steel braid (MHSXXXX)

• Pressure: 0 to 16 bar

• Temperature: -40°C to +100°C (+130°C for short time)

Regulations:

• REACH and RoHS and CNOMO: E07.21.115N for NRB version

* CAUTION: CNOMO certification is valid exclusively for red and green hose, only when connected to Legris' CNOMO-certified barb connectors 0132, 0133 and 0134.

Product Types:

• Braided Self-Fastening Hose

# TECH SPECIFICATIONS

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|---|---|
| **MAXIMUM OPERATING TEMPERATURE** | 338 °F |
| **DIVISION** | Low Pressure Connectors Europe Division |
| **WEIGHT** | 0.094 lb/ft |
| **MAXIMUM OPERATING TEMPERATURE** | 170 °C |
| **INDUSTRY** | Industrial Manufacturing Equipment |
| **BRAND** | Legris |
| **MINIMUM OPERATING TEMPERATURE** | -40 °F |
| **TECHNOLOGY** | Fluid & Gas Handling |
| **OUTSIDE DIAMETER** | 0.551 inch |
| **COMPATIBLE FITTING** | Quick-Acting Barbed Fittings (with Brass Male BSPT Thread) |
| **APPLICATION** | In-Plant Automotive |
| **APPLICATION** | Welding Robots |
| **MINIMUM BEND RADIUS** | 0.787 inch |
| **INSIDE DIAMETER** | 0.374 inch |
| **WEIGHT** | 3.5 kg/package |
| **HOSE REINFORCEMENT MATERIAL** | Braid of Stainless Steel |
| **COMPATIBLE FITTING** | Quick-Acting Barbed Fittings (with Brass Male BSPP Thread) |
| **APPLICATION** | Cooling |
| **PRODUCT TYPE** | Coolant Hose |
| **MINIMUM BEND RADIUS** | 20 mm |
| **HOSE INNER TUBE MATERIAL** | Silicone Rubber Compound |

| | |
|---|---|
| **SPECIFICATIONS MET** | RoHS 2011/65/EC |
| **APPLICATION** | Pneumatics |
| **DIVISION** | Low Pressure Connectors Europe Division |
| **INSIDE DIAMETER** | 9.5 mm |
| **OUTSIDE DIAMETER** | 14 mm |
| **MEDIA** | Air (Pneumatics) |
| **MAXIMUM OPERATING PRESSURE** | 362.6 psi |
| **COVER MATERIAL** | Stainless Steel |
| **LENGTH PER PACKAGE** | 25 m |
| **COMPATIBLE FITTING** | Quick-Acting Barbed Fittings (with Brass Female Compression Fitting) |
| **MEDIA** | Fuels (Oil & Petroleum) |
| **TECHNOLOGY** | Process Control |
| **NUMBER OF TUBES** | 1 |
| **MEDIA** | Water |
| **MAXIMUM OPERATING PRESSURE** | 2.5 MPa |
| **TECHNOLOGY** | Pneumatics |
| **REGION OF ORIGIN** | Germany |
| **PRODUCT TYPE** | Pneumatic Hose |
| **MAXIMUM OPERATING PRESSURE** | 25 bar |
| **DESIGN FACTOR** | 3 |
| **PACKAGE TYPE** | Reel |
| **APPLICATION** | Industrial Machinery |
| **MINIMUM OPERATING TEMPERATURE** | -40 °C |
| **WEIGHT** | 0.14 kg/m |