

# 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:** MHE1350B  
**HOSE INSIDE DIAMETER:** 0.5 INCH  
**COVER COLOR:** Blue  
**LENGTH PER PACKAGE:** 50 M  
**HOSE OUTSIDE DIAMETER:** 0.846 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 upon 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

|                               |                                         |
|-------------------------------|-----------------------------------------|
| MAXIMUM OPERATING TEMPERATURE | 203 °F                                  |
| MAXIMUM OPERATING TEMPERATURE | 95 °C                                   |
| DIVISION                      | Low Pressure Connectors Europe Division |
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| MAXIMUM OPERATING PRESSURE    | 20 bar                                  |
| MAXIMUM OPERATING PRESSURE    | 290 psi                                 |
| MAXIMUM OPERATING PRESSURE    | 2 MPa                                   |
| MINIMUM OPERATING TEMPERATURE | -30 °C                                  |
| MINIMUM OPERATING TEMPERATURE | -22 °F                                  |
| INDUSTRY                      | Industrial Manufacturing Equipment      |
| SPECIFICATIONS MET            | RoHS 2011/65/EC                         |
| REGION OF ORIGIN              | Germany                                 |
| MEDIA                         | Air (Pneumatics)                        |
| MEDIA                         | Water                                   |
| MEDIA                         | Fuels (Oil & Petroleum)                 |
| APPLICATION                   | In-Plant Automotive                     |
| APPLICATION                   | Pneumatics                              |
| APPLICATION                   | Cooling                                 |
| APPLICATION                   | Welding Robots                          |
| APPLICATION                   | Industrial Machinery                    |
| BRAND                         | Legris                                  |
| TECHNOLOGY                    | Pneumatics                              |

|                                    |                                                                      |
|------------------------------------|----------------------------------------------------------------------|
| <b>TECHNOLOGY</b>                  | Fluid & Gas Handling                                                 |
| <b>TECHNOLOGY</b>                  | Process Control                                                      |
| <b>PRODUCT TYPE</b>                | Coolant Hose                                                         |
| <b>PRODUCT TYPE</b>                | Pneumatic Hose                                                       |
| <b>INSIDE DIAMETER</b>             | 12.7 mm                                                              |
| <b>INSIDE DIAMETER</b>             | 0.500 inch                                                           |
| <b>OUTSIDE DIAMETER</b>            | 0.846 inch                                                           |
| <b>OUTSIDE DIAMETER</b>            | 21.5 mm                                                              |
| <b>MINIMUM BEND RADIUS</b>         | 2.559 inch                                                           |
| <b>MINIMUM BEND RADIUS</b>         | 65 mm                                                                |
| <b>WEIGHT</b>                      | 0.242 lb/ft                                                          |
| <b>WEIGHT</b>                      | 0.36 kg/m                                                            |
| <b>WEIGHT</b>                      | 18 kg/package                                                        |
| <b>LENGTH PER PACKAGE</b>          | 50 m                                                                 |
| <b>COMPATIBLE FITTING</b>          | Quick-Acting Barbed Fittings (with Brass Male BSPT Thread)           |
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| <b>COMPATIBLE FITTING</b>          | Quick-Acting Barbed Fittings (with Brass Female Compression Fitting) |
| <b>PACKAGE TYPE</b>                | Reel                                                                 |
| <b>COVER MATERIAL</b>              | Ethylene Propylene Diene Monomer (EPDM)                              |
| <b>HOSE REINFORCEMENT MATERIAL</b> | Braid of Textile                                                     |
| <b>HOSE INNER TUBE MATERIAL</b>    | Ethylene Propylene Diene Monomer (EPDM)                              |
| <b>DESIGN FACTOR</b>               | 3                                                                    |
| <b>NUMBER OF TUBES</b>             | 1                                                                    |