

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: MHE1050S
COVER COLOR: Silver
HOSE OUTSIDE DIAMETER: 0.649 INCH
HOSE INSIDE DIAMETER: 0.374 INCH
LENGTH PER PACKAGE: 50 M

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

SPECIFICATIONS MET	RoHS 2011/65/EC
COMPATIBLE FITTING	Quick-Acting Barbed Fittings (with Brass Male BSPT Thread)
DESIGN FACTOR	3
APPLICATION	Pneumatics
DIVISION	Low Pressure Connectors Europe Division
REGION OF ORIGIN	Germany
MINIMUM BEND RADIUS	50 mm
DIVISION	Low Pressure Connectors Europe Division
OUTSIDE DIAMETER	16.5 mm
WEIGHT	0.23 kg/m
MINIMUM OPERATING TEMPERATURE	-30 °C
PRODUCT TYPE	Coolant Hose
NUMBER OF TUBES	1
MEDIA	Air (Pneumatics)
WEIGHT	0.242 lb/ft
APPLICATION	Industrial Machinery
PACKAGE TYPE	Reel
MINIMUM BEND RADIUS	1.968 inch
INDUSTRY	Industrial Manufacturing Equipment
MINIMUM OPERATING TEMPERATURE	-22 °F
APPLICATION	Welding Robots
LENGTH PER PACKAGE	50 m
WEIGHT	11.5 kg/package

MAXIMUM OPERATING TEMPERATURE	284 °F
MAXIMUM OPERATING PRESSURE	20 bar
TECHNOLOGY	Process Control
HOSE INNER TUBE MATERIAL	Ethylene Propylene Diene Monomer (EPDM)
HOSE REINFORCEMENT MATERIAL	Braid of Textile
MAXIMUM OPERATING PRESSURE	290 psi
APPLICATION	In-Plant Automotive
TECHNOLOGY	Pneumatics
COVER MATERIAL	Ethylene Propylene Diene Monomer (EPDM)
MAXIMUM OPERATING TEMPERATURE	140 °C
MAXIMUM OPERATING PRESSURE	2 MPa
BRAND	Legris
APPLICATION	Cooling
PRODUCT TYPE	Pneumatic Hose
OUTSIDE DIAMETER	0.649 inch
MEDIA	Water
COMPATIBLE FITTING	Quick-Acting Barbed Fittings (with Brass Female Compression Fitting)
INSIDE DIAMETER	0.374 inch
MEDIA	Fuels (Oil & Petroleum)
COMPATIBLE FITTING	Quick-Acting Barbed Fittings (with Brass Male BSPP Thread)
INSIDE DIAMETER	9.5 mm
TECHNOLOGY	Fluid & Gas Handling