# Parker Product Datasheet



The main function of Ermeto DIN male stud high pressure hydraulic tube fittings is to connect different numbers of tubes and hoses. This broad range of fittings is available in steel and in stainless steel.

**PART NUMBER:** GE12L1/2NPTCF
**SHAPE:** Straight
**CONNECTION 2 SIZE:** 1/2'-14
**OPTIONAL ACCESSORIES:** Pre-assembled with Nut and EO-PSR Cutting Ring
**CONNECTION 1 TYPE:** Male 24° Cone
**CONNECTION 2 TYPE:** Male NPT
**SEAL MATERIAL:** NBR
**BODY MATERIAL:** Steel
**CONNECTION 1 SIZE:** 12 mm (O.D.)
**PRODUCT SERIES:** EO Light

## PRODUCT OVERVIEW

The main function of Ermeto DIN male stud high pressure hydraulic tube fittings is to connect different numbers of tubes or hoses. This broad range of fittings, types GEO, GE-M-ED, GE-R-ED up to GE-M is available in steel and in a stainless steel version. Depending on the specific application, these fittings can be delivered with cutting ring (EO-PSR or DPR) or elastomeric seal (EO-2).

Markets:
• Automotive
• Defence
• Energy

• Environment
• Industrial
• Infrastructure
• Machine Tools
• Materials Handling
• Mobile
• Oil and Gas
• Power Generation
• Process
• Transportation
• Water

Applications:
• Suitable for general hydraulic applications.

Features/ benefits:
• Steel and Stainless steel fittings have a high corrosion resistance to aggressive media and environmental influences. These features extend the range of applications.
• High pressure: Ermeto DIN male stud high pressure hydraulic tube fittings have pressure ratings of up to 800 bar (S series) and 500 bar (L series), so that the fittings can be used in a wide range of applications.

# TECH SPECIFICATIONS

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| **MAXIMUM FLUID TEMPERATURE** | 248 °F |
| **SPECIFICATIONS MET** | SAE J476 |
| **SEAL MATERIAL** | Metal |
| **FOR FLUID TYPE** | Gases |
| **BRAND** | Ermeto |
| **APPLICATION** | Oilfield |
| **MAXIMUM AMBIENT TEMPERATURE** | 248 °F |
| **DIVISION** | High Pressure Connectors Europe Division |
| **PRODUCT SERIES** | EO Light |

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|---|---|
| **CONFIGURATION** | Tube to Port |
| **APPLICATION** | Fuel Transfer |
| **MAXIMUM AMBIENT TEMPERATURE** | 120 °C |
| **CONNECTION 2 TYPE** | NPT (SAE J476) |
| **FOR FLUID TYPE** | Hydraulic Fluids |
| **CONNECTION 2 TYPE** | Male |
| **INDUSTRY** | Marine |
| **APPLICATION** | Chemical Transfer |
| **MINIMUM FLUID TEMPERATURE** | -40 °F |
| **FOR FLUID TYPE** | Chemicals |
| **INDUSTRY** | Construction |
| **INDUSTRY** | Material Handling |
| **MINIMUM AMBIENT TEMPERATURE** | -40 °F |
| **MINIMUM FLUID TEMPERATURE** | -40 °C |
| **FOR FLUID TYPE** | Fuels |
| **INDUSTRY** | Automotive |
| **INDUSTRY** | Transportation |
| **MAXIMUM OPERATING PRESSURE** | 315 bar |
| **TECHNOLOGY** | Fluid & Gas Handling |
| **CONNECTION 1 TYPE** | 24° Cone |
| **INDUSTRY** | Agriculture |
| **INDUSTRY** | Industrial Manufacturing Equipment |
| **SHAPE** | Straight |
| **CONNECTION 2 SIZE** | 1/2'-14 inch Thread |
| **PRODUCT TYPE** | Hydraulic DIN Fittings |
| **APPLICATION** | Mobile Hydraulics |

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|---|---|
| **CONNECTION 1 TYPE** | Male |
| **FOR FLUID TYPE** | Steam |
| **APPLICATION** | Packaging |
| **APPLICATION** | Hydraulics |
| **MINIMUM AMBIENT TEMPERATURE** | -40 °C |
| **SEAL TYPE** | Sealing Edge |
| **DIVISION** | High Pressure Connectors Europe Division |
| **CONNECTION 1 SIZE** | 12 mm Tube O.D. |
| **ACCESSORIES INCLUDED** | Pre-assembled with Nut and EO-PSR Cutting Ring |
| **PRODUCT STYLE** | Stud Fitting |
| **MAXIMUM FLUID TEMPERATURE** | 120 °C |
| **BODY MATERIAL** | Steel |