# Parker Product Datasheet



Parker’s 77 Series high-pressure hydraulic hose fittings deliver high performance, quick assembly and the design flexibility of more than 500 configurations.

**PART NUMBER:** 1EC77-24-24
**CONNECTION 2 TYPE:** Female BSP - Swivel (60° Cone with O-Ring)
**SHAPE:** Elbow 90°
**BODY MATERIAL:** Steel
**HOSE INSIDE DIAMETER:** -24
**PORT SIZE:** 1-1/2'

## PRODUCT OVERVIEW

Crimp-style 77 Series hydraulic hose fittings from Parker Hannifin are cost-effective, permanent, bite-the-wire-style fittings for high-pressure applications. Designed for use with Parkrimp crimpers, 77 series fittings require less push-on force and are easy to assemble. Their compact, one-piece construction delivers better value, flow, and reduced heat and pressure loss, as well as reduced complexity. Compatible with a wide range of constant working pressure hoses, 77 Series fittings are engineered for efficiency, safety, and performance. When paired with Parker’s No-Skive hose, 77 Series fittings can be assembled without removing the outer hose cover. Available in multiple materials and a wide assortment of end configurations, 77 series fittings are offered in sizes from ¼ inch to 2 inches.

Markets:
• Military
• Construction
• Forestry

• Oil Field Service
• Industrial
• Mining

Features/Benefits:
• Metric hex
• Easy push on force
• Multiple materials available, such as steel and stainless steel
• Wide range of end configurations
• One piece reduces complexity and leakage path
• No-Skive technology offers easy, efficient, and safe production processes

Applications:
• Petroleum base hydraulic fluids and lubricating oils

Compatible Hoses:
• 387 (-20 through -32 only)
• 487 (-20 through -32 only)
• 787 (-8 through -32 only)
• 797 (-8 through -32 only)

# TECH SPECIFICATIONS

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|---|---|
| **FOR FLUID TYPE** | Petroleum Hydraulic Fluids (Petroleum Base) |
| **CONNECTION 2 TYPE** | BSP Parallel Pipe |
| **SPECIFICATIONS MET** | ISO 12151-6 |
| **FOR FLUID TYPE** | Lubricants (Oils) |
| **CONNECTION 2 TYPE** | 60° Cone |
| **CONNECTION 2 TYPE** | Swivel |
| **CONNECTION 2 TYPE** | Female |
| **PORT TYPE** | DKOR |
| **FITTING LENGTH** | 179 mm (see drawing legend A) |
| **CONFIGURATION** | Hose to Port |
| **CONNECTION 1 SIZE** | -24 (Size) |

| | |
|---|---|
| **CONNECTION 1 TYPE** | Hose |
| **CONNECTION 1 SIZE** | 38.1 mm |
| **SPECIFICATIONS MET** | BS 5200 |
| **DROP LENGTH** | 103 mm (see drawing legend E) |
| **MAXIMUM OPERATING PRESSURE** | 30.0 MPa |
| **CONNECTION 1 SIZE** | 1-1/2 inch |
| **CONNECTION 2 SIZE** | 1-1/2'-11 inch Thread |
| **CONNECTION LENGTH** | 112 mm (see drawing legend B) |
| **BRAND** | Parker |
| **SHAPE** | Elbow 90° |
| **HEX SIZE** | 55 mm (see drawing legend W) |
| **TECHNOLOGY** | Fluid & Gas Handling |
| **DIVISION** | Polymer Hose Division Europe |
| **APPLICATION** | Lubricating Oils |
| **INDUSTRY** | Off-road Machinery |
| **BODY MATERIAL** | Steel |
| **DIVISION** | Polymer Hose Division Europe |
| **APPLICATION** | Petroleum Base Hydraulic Fluids |
| **MAXIMUM OPERATING PRESSURE** | 300 bar |
| **INDUSTRY** | Industrial Manufacturing Equipment |
| **PRODUCT TYPE** | Crimp Fittings No-Skive |