

# 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:** 16A77-24-32  
**SHAPE:** Straight  
**HOSE INSIDE DIAMETER:** -32  
**BODY MATERIAL:** Steel  
**CONNECTION 2 TYPE:** ISO 6162-2 Flange  
**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 1/4 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

|                            |                                 |
|----------------------------|---------------------------------|
| CONFIGURATION              | Hose to Port                    |
| APPLICATION                | Petroleum Base Hydraulic Fluids |
| SPECIFICATIONS MET         | ISO 12151-3-S-S                 |
| DIVISION                   | Polymer Hose Division Europe    |
| MAXIMUM OPERATING PRESSURE | 42.0 MPa                        |
| CONNECTION 2 SIZE          | 1-1/2 inch                      |
| BRAND                      | Parker                          |
| CONNECTION 1 SIZE          | 50.8 mm                         |
| PORT TYPE                  | SFS                             |
| BODY MATERIAL              | Steel                           |
| FITTING LENGTH             | 186 mm (see drawing legend A)   |

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| <b>INDUSTRY</b>                   | Off-road Machinery                          |
| <b>PRODUCT TYPE</b>               | Crimp Fittings No-Skive                     |
| <b>CONNECTION 1 SIZE</b>          | -32 (Size)                                  |
| <b>SHAPE</b>                      | Straight                                    |
| <b>FLANGE SIZE</b>                | 64 mm (see drawing legend F)                |
| <b>INDUSTRY</b>                   | Industrial Manufacturing Equipment          |
| <b>MAXIMUM OPERATING PRESSURE</b> | 420 bar                                     |
| <b>CONNECTION 1 TYPE</b>          | Hose                                        |
| <b>TECHNOLOGY</b>                 | Fluid & Gas Handling                        |
| <b>CONNECTION 1 SIZE</b>          | 2 inch                                      |
| <b>CONNECTION LENGTH</b>          | 109 mm (see drawing legend B)               |
| <b>FOR FLUID TYPE</b>             | Petroleum Hydraulic Fluids (Petroleum Base) |
| <b>CONNECTION 2 TYPE</b>          | Flange                                      |
| <b>CONNECTION 2 TYPE</b>          | SAE                                         |
| <b>FOR FLUID TYPE</b>             | Lubricants (Oils)                           |
| <b>CONNECTION 2 TYPE</b>          | Code 62 Flange                              |
| <b>DIVISION</b>                   | Polymer Hose Division Europe                |
| <b>APPLICATION</b>                | Lubricating Oils                            |