

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: 16F77-20-24
CONNECTION 2 TYPE: ISO 6162-2 Flange
PORT SIZE: 1-1/4"
SHAPE: Elbow 45°
HOSE INSIDE DIAMETER: -24
BODY MATERIAL: Steel

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

FOR FLUID TYPE	Lubricants (Oils)
BODY MATERIAL	Steel
DIVISION	Polymer Hose Division Europe
PORT TYPE	SFS
CONNECTION 2 TYPE	Code 62 Flange
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
APPLICATION	Lubricating Oils
FITTING LENGTH	184 mm (see drawing legend A)
CONNECTION 2 TYPE	SAE
CONNECTION 1 SIZE	-24 (Size)
CONFIGURATION	Hose to Port

DROP LENGTH	44 mm (see drawing legend E)
SPECIFICATIONS MET	ISO 12151-3-E45-S
BRAND	Parker
CONNECTION 2 TYPE	Flange
CONNECTION 1 SIZE	38.1 mm
CONNECTION 1 TYPE	Hose
CONNECTION 1 SIZE	1-1/2 inch
MAXIMUM OPERATING PRESSURE	42.0 MPa
FLANGE SIZE	54 mm (see drawing legend F)
CONNECTION LENGTH	117 mm (see drawing legend B)
CONNECTION 2 SIZE	1-1/4 inch
TECHNOLOGY	Fluid & Gas Handling
APPLICATION	Petroleum Base Hydraulic Fluids
MAXIMUM OPERATING PRESSURE	420 bar
INDUSTRY	Industrial Manufacturing Equipment
PRODUCT TYPE	Crimp Fittings No-Skive
INDUSTRY	Off-road Machinery
SHAPE	Elbow 45°
DIVISION	Polymer Hose Division Europe