

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: 13777-24-24
SHAPE: Elbow 45° - Short Drop
BODY MATERIAL: Steel
CONNECTION 2 TYPE: Female JIC 37° - Swivel
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 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

DIVISION	Polymer Hose Division Europe
CONNECTION 2 SIZE	1-7/8'-12 inch Thread
CONNECTION LENGTH	134 mm (see drawing legend B)
APPLICATION	Petroleum Base Hydraulic Fluids
SHAPE	Elbow 45° Short Drop
BODY MATERIAL	Steel
CONNECTION 1 SIZE	38.1 mm
TECHNOLOGY	Fluid & Gas Handling
CONNECTION 1 SIZE	1-1/2 inch
PRODUCT TYPE	Crimp Fittings No-Skive
CONNECTION 1 SIZE	-24 (Size)

CONNECTION 2 TYPE	Swivel
CONNECTION 2 TYPE	JIC 37°
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
CONFIGURATION	Hose to Port
MAXIMUM OPERATING PRESSURE	175 bar
BRAND	Parker
INDUSTRY	Industrial Manufacturing Equipment
CONNECTION 1 TYPE	Hose
FOR FLUID TYPE	Lubricants (Oils)
DIVISION	Polymer Hose Division Europe
CONNECTION 2 TYPE	Female
MAXIMUM OPERATING PRESSURE	17.5 MPa
APPLICATION	Lubricating Oils
DROP LENGTH	58 mm (see drawing legend E)
SPECIFICATIONS MET	ISO 12151-5-SWE
HEX SIZE	60 mm (see drawing legend W)
PORT TYPE	DKJ
FITTING LENGTH	201 mm (see drawing legend A)
INDUSTRY	Off-road Machinery