

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: 1C977-20-10C

SHAPE: Straight

CORE PRODUCT: in EMEA

PORT SIZE: M30

BODY MATERIAL: Stainless Steel

CONNECTION 2 TYPE: Female Metric S - Swivel (24° Cone with O-Ring)

HOSE INSIDE DIAMETER: -10

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

CONFIGURATION	Hose to Port
CONNECTION 1 SIZE	15.9 mm
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
CONNECTION 1 SIZE	5/8 inch
INDUSTRY	Industrial Manufacturing Equipment
BRAND	Parker
APPLICATION	Petroleum Base Hydraulic Fluids
CONNECTION 1 SIZE	-10 (Size)
BODY MATERIAL	Stainless Steel
CONNECTION 1 TYPE	Hose

MAXIMUM OPERATING PRESSURE	40.0 MPa
PRODUCT TYPE	Crimp Fittings No-Skive
DIVISION	Polymer Hose Division Europe
INDUSTRY	Off-road Machinery
MAXIMUM OPERATING PRESSURE	400 bar
TECHNOLOGY	Fluid & Gas Handling
CONNECTION 2 SIZE	M30x2.0 mm Thread
CONNECTION LENGTH	28 mm (see drawing legend B)
CONNECTION 2 TYPE	24° Cone (with O-Ring)
CONNECTION 2 TYPE	Female
DIVISION	Polymer Hose Division Europe
SPECIFICATIONS MET	ISO 12151-2-SWS-S
PORT TYPE	DKOS
FOR FLUID TYPE	Lubricants (Oils)
CONNECTION 2 TYPE	Metric S
SHAPE	Straight
CONNECTION 2 TYPE	Swivel
APPLICATION	Lubricating Oils
HEX SIZE	36 mm (see drawing legend W)
FITTING LENGTH	68 mm (see drawing legend A)