

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: 1C977-30-20C

HOSE INSIDE DIAMETER: -20

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

BODY MATERIAL: Stainless Steel

PORT SIZE: M42

SHAPE: Straight

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

CONNECTION 2 TYPE	24° Cone (with O-Ring)
CONNECTION 1 TYPE	Hose
BODY MATERIAL	Stainless Steel
MAXIMUM OPERATING PRESSURE	40.0 MPa
PRODUCT TYPE	Crimp Fittings No-Skive
CONNECTION 1 SIZE	-20 (Size)
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
CONNECTION LENGTH	39 mm (see drawing legend B)
BRAND	Parker
DIVISION	Polymer Hose Division Europe
INDUSTRY	Off-road Machinery

SPECIFICATIONS MET	ISO 12151-2-SWS-S
FITTING LENGTH	102 mm (see drawing legend A)
CONFIGURATION	Hose to Port
CONNECTION 1 SIZE	31.8 mm
PORT TYPE	DKOS
SHAPE	Straight
MAXIMUM OPERATING PRESSURE	400 bar
TECHNOLOGY	Fluid & Gas Handling
CONNECTION 1 SIZE	1-1/4 inch
CONNECTION 2 SIZE	M42x2.0 mm Thread
INDUSTRY	Industrial Manufacturing Equipment
APPLICATION	Petroleum Base Hydraulic Fluids
CONNECTION 2 TYPE	Female
CONNECTION 2 TYPE	Metric S
HEX SIZE	50 mm (see drawing legend W)
CONNECTION 2 TYPE	Swivel
DIVISION	Polymer Hose Division Europe
APPLICATION	Lubricating Oils
FOR FLUID TYPE	Lubricants (Oils)