

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: 10C77-30-20

HOSE INSIDE DIAMETER: -20

BODY MATERIAL: Steel

PORT SIZE: M42

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

SHAPE: Elbow 45°

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	Metric S
SPECIFICATIONS MET	ISO 12151-2-SWE 45°-S
DROP LENGTH	34 mm (see drawing legend E)
CONNECTION 2 TYPE	Female
CONNECTION 2 TYPE	Swivel
DIVISION	Polymer Hose Division Europe
CONNECTION 2 SIZE	M42x2.0 mm Thread
CONNECTION LENGTH	91 mm (see drawing legend B)
SHAPE	Elbow 45°
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
HEX SIZE	50 mm (see drawing legend W)

PORT TYPE	DKOS
FITTING LENGTH	155 mm (see drawing legend A)
MAXIMUM OPERATING PRESSURE	42.0 MPa
CONNECTION 2 TYPE	24° Cone (with O-Ring)
BRAND	Parker
CONNECTION 1 SIZE	1-1/4 inch
FOR FLUID TYPE	Lubricants (Oils)
MAXIMUM OPERATING PRESSURE	420 bar
CONNECTION 1 SIZE	-20 (Size)
CONFIGURATION	Hose to Port
CONNECTION 1 SIZE	31.8 mm
INDUSTRY	Off-road Machinery
PRODUCT TYPE	Crimp Fittings No-Skive
INDUSTRY	Industrial Manufacturing Equipment
TECHNOLOGY	Fluid & Gas Handling
DIVISION	Polymer Hose Division Europe
BODY MATERIAL	Steel
APPLICATION	Lubricating Oils
CONNECTION 1 TYPE	Hose
APPLICATION	Petroleum Base Hydraulic Fluids