

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: 10C77-30-12

HOSE INSIDE DIAMETER: -12

SHAPE: Elbow 45°

BODY MATERIAL: Steel

PORT SIZE: M42

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

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

DIVISION	Polymer Hose Division Europe
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MAXIMUM OPERATING PRESSURE	42.0 MPa
MAXIMUM OPERATING PRESSURE	420 bar
FOR FLUID TYPE	Lubricants (Oils)
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
INDUSTRY	Off-road Machinery
INDUSTRY	Industrial Manufacturing Equipment
SPECIFICATIONS MET	ISO 12151-2-SWE 45°-S
SHAPE	Elbow 45°
APPLICATION	Petroleum Base Hydraulic Fluids

APPLICATION	Lubricating Oils
BRAND	Parker
TECHNOLOGY	Fluid & Gas Handling
CONNECTION 1 SIZE	19.1 mm
CONNECTION 1 SIZE	3/4 inch
CONNECTION 1 SIZE	-12 (Size)
BODY MATERIAL	Steel
CONNECTION 1 TYPE	Hose
PRODUCT TYPE	Crimp Fittings No-Skive
HEX SIZE	50 mm (see drawing legend W)
CONFIGURATION	Hose to Port
CONNECTION 2 TYPE	Female
CONNECTION 2 TYPE	Swivel
CONNECTION 2 TYPE	Metric S
CONNECTION 2 TYPE	24° Cone (with O-Ring)
CONNECTION 2 SIZE	M42x2.0 mm Thread
CONNECTION LENGTH	75 mm (see drawing legend B)
PORT TYPE	DKOS
DROP LENGTH	30 mm (see drawing legend E)
FITTING LENGTH	121 mm (see drawing legend A)