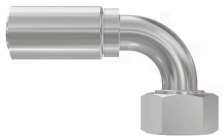
Parker Product Datasheet



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: 11C77-20-10C
SHAPE: Elbow 90°
HOSE INSIDE DIAMETER: -10
CONNECTION 2 TYPE: Female Metric S - Swivel (24° Cone with O-Ring)
BODY MATERIAL: Stainless Steel
PORT SIZE: M30

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	Swivel
INDUSTRY	Off-road Machinery
APPLICATION	Petroleum Base Hydraulic Fluids
MAXIMUM OPERATING PRESSURE	400 bar
CONNECTION 2 SIZE	M30x2.0 mm Thread
CONNECTION 1 SIZE	-10 (Size)
CONFIGURATION	Hose to Port
PORT TYPE	DKOS
MAXIMUM OPERATING PRESSURE	40.0 MPa
CONNECTION 1 SIZE	5/8 inch
CONNECTION 1 TYPE	Hose

TECHNOLOGY	Fluid & Gas Handling
CONNECTION LENGTH	53 mm (see drawing legend B)
SHAPE	Elbow 90°
DIVISION	Polymer Hose Division Europe
BODY MATERIAL	Stainless Steel
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
PRODUCT TYPE	Crimp Fittings No-Skive
BRAND	Parker
CONNECTION 2 TYPE	Female
SPECIFICATIONS MET	ISO 12151-2-SWE-S
FITTING LENGTH	92 mm (see drawing legend A)
FOR FLUID TYPE	Lubricants (Oils)
DROP LENGTH	53 mm (see drawing legend E)
CONNECTION 1 SIZE	15.9 mm
INDUSTRY	Industrial Manufacturing Equipment
CONNECTION 2 TYPE	Metric S
HEX SIZE	36 mm (see drawing legend W)
APPLICATION	Lubricating Oils
DIVISION	Polymer Hose Division Europe
CONNECTION 2 TYPE	24° Cone (with O-Ring)