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: 1C977-25-16C
SHAPE: Straight
CONNECTION 2 TYPE: Female Metric S - Swivel (24° Cone with O-Ring)
BODY MATERIAL: Stainless Steel
HOSE INSIDE DIAMETER: -16
PORT SIZE: M36
CORE PRODUCT: in EMEA

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

MAXIMUM OPERATING PRESSURE	400 bar
DIVISION	Polymer Hose Division Europe
INDUSTRY	Off-road Machinery
APPLICATION	Petroleum Base Hydraulic Fluids
INDUSTRY	Industrial Manufacturing Equipment
FOR FLUID TYPE	Lubricants (Oils)
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
BRAND	Parker
TECHNOLOGY	Fluid & Gas Handling
CONNECTION 1 SIZE	1 inch

CONNECTION 1 TYPE	Hose
CONNECTION 2 TYPE	24° Cone (with O-Ring)
CONFIGURATION	Hose to Port
PRODUCT TYPE	Crimp Fittings No-Skive
CONNECTION 1 SIZE	-16 (Size)
HEX SIZE	46 mm (see drawing legend W)
FITTING LENGTH	89 mm (see drawing legend A)
CONNECTION 2 TYPE	Swivel
APPLICATION	Lubricating Oils
DIVISION	Polymer Hose Division Europe
CONNECTION 2 SIZE	M36x2.0 mm Thread
CONNECTION 2 TYPE	Metric S
PORT TYPE	DKOS
SHAPE	Straight
CONNECTION 2 TYPE	Female
SPECIFICATIONS MET	ISO 12151-2-SWS-S
CONNECTION LENGTH	35 mm (see drawing legend B)
CONNECTION 1 SIZE	25.4 mm
MAXIMUM OPERATING PRESSURE	40.0 MPa
BODY MATERIAL	Stainless Steel