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: 1C977-12-8C
HOSE INSIDE DIAMETER: -8
PORT SIZE: M20
CONNECTION 2 TYPE: Female Metric S - Swivel (24° Cone with O-Ring)
BODY MATERIAL: Stainless Steel
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	Female
HEX SIZE	24 mm (see drawing legend W)
CONNECTION 2 TYPE	Metric S
BRAND	Parker
DIVISION	Polymer Hose Division Europe
PORT TYPE	DKOS
CONNECTION 1 TYPE	Hose
BODY MATERIAL	Stainless Steel
FITTING LENGTH	61 mm (see drawing legend A)
PRODUCT TYPE	Crimp Fittings No-Skive
CONNECTION 1 SIZE	-8 (Size)

SPECIFICATIONS MET	ISO 12151-2-SWS-S
INDUSTRY	Industrial Manufacturing Equipment
APPLICATION	Petroleum Base Hydraulic Fluids
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
CONNECTION LENGTH	26 mm (see drawing legend B)
MAXIMUM OPERATING PRESSURE	630 bar
TECHNOLOGY	Fluid & Gas Handling
CONNECTION 1 SIZE	1/2 inch
FOR FLUID TYPE	Lubricants (Oils)
CONNECTION 2 TYPE	24° Cone (with O-Ring)
SHAPE	Straight
APPLICATION	Lubricating Oils
DIVISION	Polymer Hose Division Europe
MAXIMUM OPERATING PRESSURE	63.0 MPa
CONNECTION 2 TYPE	Swivel
INDUSTRY	Off-road Machinery
CONNECTION 2 SIZE	M20x1.5 mm Thread
CONNECTION 1 SIZE	12.7 mm
CONFIGURATION	Hose to Port