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: 1C977-38-20C
SHAPE: Straight
PORT SIZE: M52
BODY MATERIAL: Stainless Steel
CONNECTION 2 TYPE: Female Metric S - Swivel (24° Cone with O-Ring)
HOSE INSIDE DIAMETER: -20
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

CONNECTION 2 TYPE	Metric S
PRODUCT TYPE	Crimp Fittings No-Skive
CONNECTION 1 TYPE	Hose
BODY MATERIAL	Stainless Steel
INDUSTRY	Off-road Machinery
CONNECTION 1 SIZE	31.8 mm
SHAPE	Straight
CONNECTION 2 TYPE	24° Cone (with O-Ring)
TECHNOLOGY	Fluid & Gas Handling
APPLICATION	Lubricating Oils

INDUSTRY	Industrial Manufacturing Equipment
DIVISION	Polymer Hose Division Europe
BRAND	Parker
FITTING LENGTH	100 mm (see drawing legend A)
CONNECTION LENGTH	36 mm (see drawing legend B)
CONNECTION 1 SIZE	-20 (Size)
APPLICATION	Petroleum Base Hydraulic Fluids
MAXIMUM OPERATING PRESSURE	31.5 MPa
CONNECTION 2 SIZE	M52x2.0 mm Thread
CONNECTION 1 SIZE	1-1/4 inch
MAXIMUM OPERATING PRESSURE	315 bar
DIVISION	Polymer Hose Division Europe
HEX SIZE	60 mm (see drawing legend W)
CONFIGURATION	Hose to Port
CONNECTION 2 TYPE	Female
CONNECTION 2 TYPE	Swivel
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
SPECIFICATIONS MET	ISO 12151-2-SWS-S
FOR FLUID TYPE	Lubricants (Oils)
PORT TYPE	DKOS