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: 14A77-20-20C
SHAPE: Straight
BODY MATERIAL: Stainless Steel
PORT SIZE: 1-1/4'
HOSE INSIDE DIAMETER: -20
CONNECTION 2 TYPE: SAE Code 61 Flange Head (5000 Psi)

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

FLANGE SIZE	51 mm (see drawing legend F)
INDUSTRY	Industrial Manufacturing Equipment
BRAND	Parker
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum Base)
CONFIGURATION	Hose to Port
INDUSTRY	Off-road Machinery
MAXIMUM OPERATING PRESSURE	350 bar
PRODUCT TYPE	Crimp Fittings No-Skive
CONNECTION 2 SIZE	1-1/4 inch
TECHNOLOGY	Fluid & Gas Handling
SPECIFICATIONS MET	ISO 12151-3-E45-S

APPLICATION	Petroleum Base Hydraulic Fluids
PORT TYPE	SFS
FOR FLUID TYPE	Lubricants (Oils)
CONNECTION 1 SIZE	1-1/4 inch
DIVISION	Polymer Hose Division Europe
CONNECTION LENGTH	74 mm (see drawing legend B)
CONNECTION 2 TYPE	Flange
FITTING LENGTH	138 mm (see drawing legend A)
CONNECTION 2 TYPE	SAE
CONNECTION 1 SIZE	31.8 mm
BODY MATERIAL	Stainless Steel
SHAPE	Straight
CONNECTION 1 SIZE	-20 (Size)
APPLICATION	Lubricating Oils
CONNECTION 2 TYPE	Code 61 Flange
MAXIMUM OPERATING PRESSURE	35.0 MPa
CONNECTION 1 TYPE	Hose
DIVISION	Polymer Hose Division Europe