

Parker Product Datasheet



Configure hose assemblies quickly and easily in the field without special tools with Parker's 82 series one-piece, push-on field-attachable hydraulic fittings.

PART NUMBER: 3C582-18-10B

HEX TYPE: Metric

HOSE I.D. (SIZE): -10

PORT CONNECTION: 18 mm

BODY MATERIAL: Brass

SHAPE: Elbow 90°

CONNECTION 2 TYPE: Female Metric L - Swivel (Ball Nose for 24° or 60° Cone)

PRODUCT OVERVIEW

Parker 82 Series 'Push-Lok®' Fittings are push-on, barb-style field-attachable hydraulic fittings that allow users to quickly and easily make hose assemblies right on the job site without special tools. When coupled with Parker's Push-Lok hoses, 82 series fittings deliver convenience and shorter assembly times, as no clamp is required. Reusable 82 Series fittings feature a one-piece construction for reduced complexity and less chance of leakage. Compatible with the Push-Lok family of multipurpose hoses, 82 series fittings can be used with high temperature, dry air, hot water, fire-resistant, and higher pressure hoses. Offered in a wide range of end configurations and in sizes ranging from size -4 /DN 6) to size -16 (DN 25), 82 Series fittings are available in steel, brass or stainless steel. Applications include pneumatics, petroleum-base fluids, antifreeze, diesel, and phosphate ester.

Markets:

- Machine Tools

- Paper Industry
- Injection Moulding Machines
- Ground Support Equipment
- Chemical Industry
- Transfer Lines
- PET Blow Forming Machines
- Robots and Welding Installations
- Power electronics

Features/Benefits:

- Can be assembled in field with wrenches
- Imperial HEX
- 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
- Pneumatic
- Antifreeze solutions
- Diesel fuels
- Phosphate ester
- Dry air and water

Compatible Hoses:

- 801PLUS
- 801RH
- 804
- 821FR
- 830M
- 836
- 837BM
- 8337PU
- 838M
- 846

TECH SPECIFICATIONS

FOR FLUID TYPE

Air (General Industrial Air)

FOR FLUID TYPE	Water
HEX SIZE	32 mm (see drawing Legend W)
DROP LENGTH	43 mm (see drawing legend E)
APPLICATION	Transfer Lines
CONNECTION 2 SIZE	M26x1.5 mm Thread
MAXIMUM OPERATING PRESSURE	160 bar
TECHNOLOGY	Fluid & Gas Handling
SPECIFICATIONS MET	BS 5200-B
BRAND	Parker
PORT TYPE	DKL 90°
APPLICATION	Machine Tools
CONNECTION 2 TYPE	Female
CONNECTION 2 TYPE	Metric L
DIVISION	Polymer Hose Division Europe
SHAPE	Elbow 90°
CONNECTION 1 TYPE	Hose
CONNECTION 2 TYPE	Swivel (24° / 60° Cone)
BODY MATERIAL	Brass
APPLICATION	Injection Moulding Machines
INDUSTRY	Industrial Manufacturing Equipment
CONNECTION LENGTH	37 mm (see drawing legend B)
CONNECTION 1 SIZE	-10 (Size)
PRODUCT TYPE	Barbed Fittings
MAXIMUM OPERATING PRESSURE	16.0 MPa
CONNECTION 1 SIZE	15.9 mm Hose I.D.
APPLICATION	Paper Machines
DIVISION	Polymer Hose Division Europe

PRODUCT TYPE	Push-Lok Hose Fittings
CONNECTION 1 SIZE	5/8 inch Hose I.D.
FITTING LENGTH	74 mm (see drawing legend A)
FOR FLUID TYPE	Lubricants (Oils)
FOR FLUID TYPE	Petroleum Hydraulic Fluids (Petroleum & Water-Glycol Base)
FOR FLUID TYPE	Coolants (Glycol)
FOR FLUID TYPE	Fuels - Check fuel type with our catalogue chart.
TUBE OUTSIDE DIAMETER	18 mm