Parker Product Datasheet



Parker Flat-Face quick coupling system with body size 1/8' up to 1' and ISO 16028 for applications up to 450 bar.

PART NUMBER: FEC-502-12FB
BODY SIZE (INCH): 1/2
VERSION: Pressure Eliminator
CONNECTION THREAD SIZE (INCH): ISO G 3/4'
TYPE: Plug

PRODUCT OVERVIEW

Flat Face Quick Coupling FEM / IF series is produced according to the ISO 16028 and is compatible with other series complying with the same standard. These couplings offer a leakage free disconnection with a minimal oil loss during uncoupling. Thanks to the valve design, the coupling has a minimum pressure drop, and thus achieves maximum cost-effectiveness. The standard version of series FEM / IF is available made of steel or stainless steel.

Markets:
- Agriculture
- Automotive
- Oil and Gas
- Process
- Power Generation
- Transportation
- Vocational and Municipal
- Defense

- Industrial
- Machine Tooling
- Material Handling
- Construction

Features/Benefits:
- Safety locking feature as standard to prevent unintentional uncoupling
- FEC with the pressure eliminator enable effortless connection under static pressure (up to rated working pressure)
- FEMP and FECP with pushpull features is suitable for multi-plates or when coupling is fixed on an application

Applications:
Easy dry break connection / disconnection in hydraulic systems, both mobile and industrial applications
- Tractors
- Trucks
- Wheel loaders
- Military vehicles
- Hydraulic tools
- Presses
- Molding machines

TECH SPECIFICATIONS

PLATING TYPE	Zink Nickel
MAXIMUM OPERATING TEMPERATURE	110 °C
SEAL MATERIAL	NBR
FLOW RATE	50 L/min
BODY MATERIAL	Steel
PRODUCT TYPE	Quick-coupling
APPLICATION	N/A
HEX SIZE	36 mm

MINIMUM OPERATING TEMPERATURE	-40 °C
SPECIFICATIONS MET	ISO 16028
DIVISION	High Pressure Connectors Europe Division
MAXIMUM OPERATING PRESSURE	350 bar