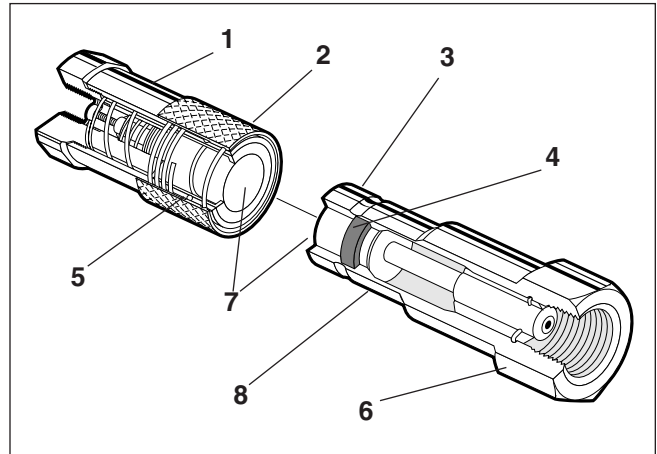


Hydraulic Quick Couplings

Non-Spill Couplings

FF Series



Applications

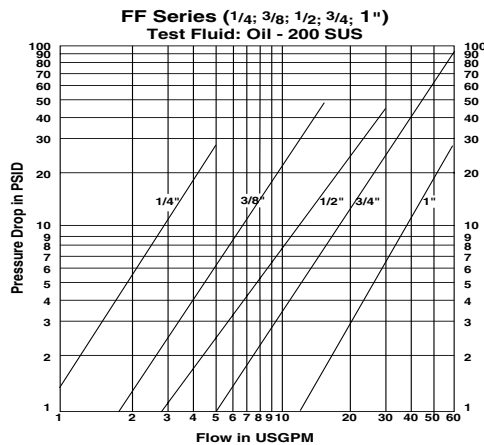
Parker FF Series couplings are widely used in the public utility market where hydraulic oil spillage can constitute a serious safety hazard, particularly in overhead bucket hoists that are used for maintenance of high-voltage power transmission lines. These couplings are also used for quick change of hydraulic tools in construction, railway maintenance and mining industries. The ease of cleaning makes them ideal for use in these types of hostile environments.

Note: Protective dust plugs and caps play a crucial role in the life of a quick coupling and no purchase of a hydraulic quick coupling is complete without the selection of an appropriate dust plug and cap. See pages noted in Table of Contents for dust plugs and caps for the Parker full line of hydraulic couplings.

Specifications

Body Size (in.)	1/4	3/8	1/2	3/4	1
Rated Pressure (PSI)	5000	3000	3000	3000	3000
Rated Flow (GPM)	3	6	12	28	50
Temperature Range	-40° to + 250°F				
Spillage (ML) (max. per disconnect)	.015	.015	.020	.150	.200
Air Inclusion (ML) (max. per connect)	.020	.020	.070	.100	.150

Performance



Features

1. Sleeve locking mechanism is engaged by rotating sleeve after connection. It prevents accidental disconnection when, for example, the coupling is dragged along the ground during use.
2. Sleeve mechanism is designed to help prevent dirt from entering the internal mechanism and thus causing faulty operation when connecting or disconnecting. The sleeve covers the retaining ring and also incorporates a dust seal in the spring area.
3. Hardened nipples and sleeves and solid barstock construction make for a quality coupling with maximum resistance to damage from hydraulic and mechanical shock.
4. This Anti-Blowout BFT seal is designed to prevent blow-out or damage during severe service conditions.
5. Durable ball-locking mechanism assures reliable connections, every time. A large number of locking balls distributes the work load evenly while providing alignment and swiveling action to reduce hose torque and prolong hose life. **CAUTION:** These products are not to be used as swivels. Rotation under pressure will result in excessive and premature wear.
6. Female pipe (NPSF), British pipe (BSPP) and SAE O-Ring Boss are available as standard.
7. FF Series couplings employ flush valving when connecting or disconnecting. This means that the valves are mated together so that only small amounts of fluid can be lost during disconnection or air inclusion during reconnection.
8. The 3/8" size conforms to HTMA (Hydraulic Tool Manufacturers Association) standards. All sizes incorporate flush face mating surfaces which greatly facilitate cleaning of the product when disconnected. HTMA couplings (3/8" only)-coupler and nipple are marked with a directional flow arrow as per specifications. However, couplings are bi-directional.

Quick Coupling Division