

# Parker Product Datasheet



Parker's high pressure stainless steel, non-spill, flat face hydraulic couplers are available in a wide range of sizes for use in hydraulic applications where fluid lines require fast and easy connection and disconnection with minimal spillage.

**PART NUMBER:** S71-3C12-12F  
**MAXIMUM OPERATING PRESSURE:** 5000  
**CONNECTION TYPE:** Female NPSF  
**BODY MATERIAL:** 316 Stainless steel  
**COUPLING HALF:** Female Coupler  
**CONNECTION THREAD SIZE (INCH):** 3/4 - 14  
**BODY SIZE (INCH):** 3/4

## PRODUCT OVERVIEW

Parker's 71 series Hydraulic Couplers, formerly Snap-tite 71 Series Couplers, connect with 71 Series Nipples. They are designed for working pressures up to 10,000 psi. These are double shut-off, non-spill, flat face hydraulic push to connect quick couplings for high pressure applications. 71 Series quick connect fittings are available in a wide range of sizes up to 2 inch with material options including steel, 316 stainless steel, or high pressure stainless steel.

Note: The 71-3 style couplers and nipples are interchangeable with the previous Snap-tite design couplers and nipples in sizes 3/8', 1/2', and 3/4'. Old style 1' couplers and nipples (71-2C16 and 71-2N16) are not interchangeable with the 71-3 design.

#### Technical Characteristics:

- Sizes: 1/4" – 2"
- Materials: Steel, 316 Stainless Steel, High Pressure Stainless Steel
- Port Ends: Female NPTF, Female SAE
- Seal Options: Nitrile, Fluorocarbon, Ethylene Propylene
- Other Coupler options include: Sleeve Lock

#### Markets:

- Industrial
- Oil and Gas
- Construction

#### Features/Benefits:

- Push-to-connect operation makes connection easy
- Corrosion resistant 316 stainless steel and high pressure stainless steel material options for demanding applications
- Non-spill, flat face hydraulic valves minimize fluid loss when disconnecting to reduce environmental contamination and avoid safety hazards caused by spillage.
- Hydraulic flat face valves minimize the amount of air that can enter the system when connecting fluid lines

#### Applications:

- In-plant equipment
- Oil exploration and production
- Construction Equipment

# TECH SPECIFICATIONS

|                               |                         |
|-------------------------------|-------------------------|
| MAXIMUM OPERATING TEMPERATURE | 250 °F                  |
| DIVISION                      | Quick Coupling Division |
| MINIMUM OPERATING TEMPERATURE | -40 °F                  |
| APPLICATION                   | Hydraulic               |
| BODY MATERIAL                 | Stainless Steel         |
| PRODUCT TYPE                  | Push to connect         |
| PLATING TYPE                  | na                      |
| HEX SIZE                      | 1.75 inch               |
| SEAL MATERIAL                 | Nitrile                 |
| VALVE TYPE                    | Non-spill               |