



## STAUFF Push-to-connect coupling Flat-Face series FC

Flat Face Push-to-Connect Couplings of the FC Series consist of a male tip which is designed according to ISO 16028 and are compatible with couplings of this type.

In combination with Female Bodies of the FF Series, Male Tips of the FC Series are used for quick and easy connection (push) and disconnection of tubes, pipes and hoses by hand, i.e. without tools.

The Series was developed for coupling Under pressure and is available in the following nominal sizes 10, 12, 16, 19, 25 [3/8" - 1"].

### Characteristics

**Series:** FC

**Material:** Steel

**Surface protection:** Zinc-Nickel

**Valve shape:** Flat face

**Minimum medium temperature (continuous):** -25 °C

**Maximum medium temperature (continuous):** 100 °C

**Standard:** ISO 16028

**Connectable under residual pressure:** Yes, with restrictions

### Application

- Agricultural and forestry machinery, construction machinery, industrial hydraulic

### Technical Information

#### Connect under pressure:

- up to 250 bar [3626 PSI] allowed [Only Residual Pressure]

### Execution

#### Flat Face quick release couplings have the following advantages:

- The flat face valve design reduces the risk of leakage and wear
- Reducing the risk of contaminants from entering the system
- Powerful flow characteristics with minimal pressure drop

| Type of component | Construction size | Nominal bore in DN<br>mm | Coupling size<br>(inch) | Connection type | Connection size | Maximum operating pressure<br>bar | Spillage<br>ml | Max. flow rate<br>l/min | Sealing         | Article  |
|-------------------|-------------------|--------------------------|-------------------------|-----------------|-----------------|-----------------------------------|----------------|-------------------------|-----------------|----------|
| Plug (male)       | 2                 | 10                       | 3/8"                    | Internal thread | 3/8" BSP cyl.   | 350                               | 0.013          | 46                      | NBR/PTFE/POM/PU | 14545863 |
| Plug (male)       | 3                 | 12.5                     | 1/2"                    | Internal thread | 3/8" BSP cyl.   | 350                               | 0.013          | 90                      | NBR/PTFE/POM/PU | 14545850 |

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