

# MINILOCK – FRH70-74 Series Quick Disconnect Coupling



## DESIGN AND APPLICATION

Minilock self-seal quick disconnect couplings meet modern installation requirements. They are designed for high reliability and performance under adverse conditions.

Suitable for use with common and many exotic fluids currently used in high technology, motor sport and commercial applications.

The Minilock Coupling has a number of special features:

- a.) Minimal air inclusion on connection.
- b.) Minimal fluid loss on disconnection.
- c.) Instantaneous action to lock and unlock.
- d.) Fire rated dependent on application.
- e.) Min. outside diameter with max. internal bore.
- f.) Minimal pressure drops.
- g.) Integral self-lock.
- h.) Available with Dust Caps.
- i.) End terminations to suit customer specifications.

## BODY MATERIAL OPTIONS

- Stainless Steel (S143)
- Titanium (TA 11)
- Corrosion Resistant Steel (S130)
- Stainless Steel (AISI 316)
- Aluminium (L168):

**Note:** Various seal materials are used dependant on the operating media and temperature extremes required.

## TYPICAL OPERATING PARAMETERS

- Pressure: Up to 5000 psi\*
- Temperature Range -60 °C to +300 °C\*
- Bore Sizes: 1/8" to 1 1/2" (3.0 to 38.0mm)
- Connections and Disconnection: 200 cycles
- Typ. Operating Media: Hydraulic Fluids  
Oils  
Fuels  
Coolants  
Water  
Air

\*Dependent on specification and application

## COUPLING AND UNCOUPLING OPERATION

To couple the socket and nipple, insert socket onto nipple and push at rear end of socket. The socket will grip automatically and positively lock.

To uncouple the socket and nipple, turn sleeve to release lock and pull sleeve away from nipple in a straight axial movement. The Minilock self-seal feature is automatic and immediately effective. All Minilock couplings incorporate the self-lock device, which prevents any possibility of the locking sleeve being engaged accidentally in the unlocked position.



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