

# ISO 16028 Interchange Couplings Connect Under Pressure Female



## Connect Under Pressure

### Series: A-HD

**Interchange:** ISO 16028

Female coupling A-HD series is the Stucchi solution to the problem of the connection in the presence of high internal residual pressure. The Stucchi internal valving allows the A-HD series to solve the problem of manual connections in the presence of high residual pressure. The A-HD series female couplers are in accordance with ISO 16028.

Connect Under Residual Pressure Female Coupler:

- Visual ID: black ring on coupler face
- Zinc plated hardened steel
- Seals: Nitrile/Teflon standard
- NPT-SAE standard ports, others per request
- Connect with ISO 16028 nipple
- Connect up to 1595 psi residual pressure

### Overview

Stucchi A-HD (formerly ASP) series female couplings will connect by hand with residual pressure of 1595 psi locked in the hydraulic circuit. It will connect with residual pressure without releasing any fluid into the environment. The mating circuit will need to be without residual pressure.

### Applications

Mobile equipment and attachment tools where exposure to the sun, or temperature change causes pressure to develop due to thermal expansion of trapped fluid. Any application where static pressure can get locked into the system.

### Advantages

- Visual ID: black ring on face of coupler
- Connects under pressure by hand: 1595 psi
- No air inclusion during connection
- Bi-directional flow
- Elimination of fluid loss during connection or disconnection
- Easily cleaned before connection
- Interchangeable with ISO 16028

### Operation

To connect, wipe the mating surfaces clean, align the coupling and nipple, push together. To disconnect, pull back the sleeve on the female and the coupler's release.



STUCCHI SERIES	NOMINAL SIZE	ISO SIZE	MAX OPERATING PRESSURE COUPLED	MAX OPERATING PRESSURE COUPLED
	inches	mm	MPa	psi
A13HD	1/2	12.5	33	4714

**A-HD NPT, SAE and JIC Thread**\_Female Connect Under Pressure | ISO 16028

PART	BODY SIZE	PORT SIZE	THREAD TYPE	ORDER CODE	PART DESCRIPTION
<b>A-HD NPT THREAD</b>					
COUPLER	1/2	1/2	NPT	806801000	F. A13HD 1/2 NPT
COUPLER	1/2	3/4	NPT	806801002	F. A13HD 3/4 NPT
<b>A-HD SAE THREAD</b>					
COUPLER	1/2	3/4	SAE	806804000	F. A13HD 3/4 SAE
COUPLER	1/2	5/8	SAE	806804006	F. A13HD 5/8 SAE
COUPLER	1/2	1/2	SAE	808304016	F. A13HD 1/2 SAE
<b>A-HD JIC THREAD</b>					
COUPLER	1/2	5/8	JIC BH	806806000	F. A13HD 5/8 JIC BH

