For Low Pressure Hi Cupla Ace Lightweight plastic coupling with automatic safety lock for air line applications Working pressure Valve structure Applicable fluids

The weight is merely a quarter of steel Hi Cupla's and smooth push-in connection is achieved. Automatic sleeve lock for safety operation.

- Pressure ratings comparable to steel Cuplas.
- A built-in "automatic lock mechanism" locks the sleeve upon connection, thus prevents accidental disconnection.
- Just push plug into socket for simple connection.
- The weight is a quarter of steel Hi Cupla for easy handling.
- Can be used for air and water.
- Air flows in either direction from plug or from socket side when coupled.
- Plug and socket with hose guard nut are also available (see the pages of NK Cupla Hose / NK Cupla Coil Hose for details).



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Specifications									
Body material			Engineering plastics (PBT, POM)						
Size Thread and hose barb PN type, SN type (PNG type, SNG type) T type		1/4", 3/8" / 1/4", 3/8"							
			For ø5 mm × ø8 mm, ø6 mm × ø9 mm, ø6.5 mm × ø10 mm, ø8 mm × ø12 mm, ø8.5 mm × ø12.5 mm polyurethane hose						
		HA-T type	HA-T type • Inlet: 20P-PLA • Outlet: HA-65S x 2			HA-65S x 2			
		MPa	1.5 1.0 for		plastic plug and Model HA-T				
Working n	roccuro	kgf/cm²	15		10 for plastic plug and Model HA-T				
Working pressure		bar	15 10 for		plastic plug and Model HA-T				
		PSI	218		145 for plastic plug and Model HA-T				
Seal material Working temperature range		Seal material	I	Mark	Working temperature range	Remarks			
		Nitrile rubber	NBR (SG)		-20°C to +60°C	Standard material			

	Tightening Torque Range Nm {kgf•cm}						
Model		20/30SM 20/30PM	50/60/65SN 50/60/65PN	80/85SN 80/85PN	20PFF		
	Torque	2.5 to 3.0 {26 to 31}	1.6 to 2.0 {16 to 20}	2.2 to 2.8 {22 to 29}	2.0 to 2.5 {20 to 25}		

Flow Direction					
Fluid flow can be bi-directional when socket and plug are connected.					
* Hroupe Rice *					

Interchangeability

Can be connected with Hi Cupla Models 10, 17, 20, 30 and 40. Interchangeable with models of Nut Cupla Series and Hi Cupla Series except models 400, 600, and 800.

Suitability for Vacuum

Not suitable for vacuum application in either connected or disconnected condition.

Pressure - Flow Characteristics

[Test conditions] •Fluid : Air •Temperature : Room temperature























