### For Air

## Hi Cupla Ace

Lightweight plastic coupling with automatic safety lock for air line applications















# 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" to lock the sleeve when connected, thus prevents accidental detachment.
- 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, water, and inert gases.
- Plastic body will cause minimum risk of damage even when in contact with tools or equipment.
- 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).

Specifications						
Body material	Engineering plastics (PBT, POM)					
	1/4" (20 type) • 3/8" (30 type)					
Size	For ø5mm × ø8mm • ø6mm × ø9mm • ø6.5mm × ø10mm polyurethane hose					
	For ø8mm × ø12mm • ø8.5mm × ø12.5mm polyurethane hose					
	HA-T type	• Inlet : 20P-F	PLA • Outlet : I	HA-65S × 2		
Working pressure MPa {kgf/cm²}	1.5 {15} / 1.0 {10} for Model HA-T					
Pressure resistance MPa (kgf/cm²)	2.0 {20} / 1.5 {15} for Model HA-T					
Seal material Working temperature range	Seal material	Mark	Working temperature range	Remarks		
	Nitrile rubber	NBR (SG)	-5°C~+60°C	Standard material		

• Plastic Plug: Working pressure 1.0MPa {10kgf/cm²}, Pressure resistance 1.5MPa {15kgf/cm²}

<b>Tightening Torque Ran</b>	N•m {kgf•cm}		
Size	20/30SM	50/60/65SN	80/85SN
Torque	2.5~3 {26~29}	1.6~2.0 {16~20}	2.2~2.8 {22~29}

#### **Flow Direction**



#### Interchangeability

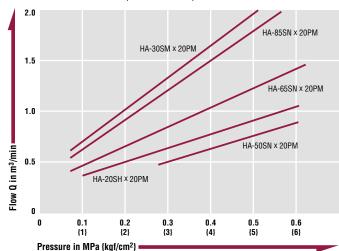
Can be connected with Hi Cupla Models 20, 30 and 40. Interchangeable with each corresponding Hi Cupla Series models.

#### Suitability for Vacuum

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

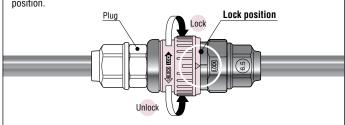
#### **Pressure - Flow Characteristics**

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



#### **Automatic sleeve lock function**

Hi Cupla Ace can be connected even if the locking sleeve is in the "lock" position, but when connected it cannot be disconnected without turning the sleeve to unlock position.



Models and Dimensions WAF: WAF stands for width across flats.

