

For Air

# NK Cupla Hose NK Cupla Coil Hose

Couplings with polyurethane hose for air lines

Working pressure		Valve structure	Applicable fluid	
0.7 MPa (7 kgf/cm <sup>2</sup> )	1.0 MPa (10 kgf/cm <sup>2</sup> )	One-way shut-off	Air	Inert gas

Hi Cupla Ace socket with polyurethane hoses are now standard stock items. Push-to-connect design for quick piping.

- The Hi Cupla Ace is mounted on pliable polyurethane hose featuring excellent durability and wear resistance with hose guard nut to prevent possible kinking.
- Pressure rating of these plastic sockets are comparable to steel.
- A built-in “automatic lock mechanism” to lock the sleeve when connected, thus prevents accidental detachment.
- Just push plug into socket for simple connection.
- Plastic body will cause minimum risk of damage even in contact with tools or equipment.
- Fluid may flow in either direction from plug or from socket side when coupled.
- Polyurethane hoses minimize stiffening in cold environment, and the surface does not become sticky even when covered with oil.
- Spiral polyurethane coil hoses processed from straight tube have self-recoiling feature.
- Various hose lengths are available.

## Specifications

Body material	Socket : Engineering plastics (PBT, POM) Plug : Steel (Chrome-plated)			
Size	ø5 mm x ø8 mm • ø6.5 mm x ø10 mm • ø8.5 mm x ø12.5 mm			
Working pressure MPa (kgf/cm <sup>2</sup> )	NK Cupla Hose : 1.0 {10} NK Cupla Coil Hose : 0.7 {7}			
Pressure resistance MPa (kgf/cm <sup>2</sup> )	NK Cupla Hose : 1.5 {15} NK Cupla Coil Hose : 1.0 {10}			
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Nitrile rubber	NBR (SG)	-5°C~+60°C	Standard material

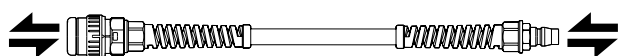
## Tightening Torque Range

N·m (kgf·cm)

Size	ø5 mm x ø8 mm	ø6.5 mm x ø10 mm	ø8.5 mm x ø12.5 mm
Torque (Socket)	1.6~2.0 (16~20)	1.6~2.0 (16~20)	2.2~2.8 (22~29)
Torque (Plug)	5~6 (51~61)	5~6 (51~61)	7~8 (71~82)

## Flow Direction

Air flows in either direction from plug or from socket side when coupled.



## Interchangeability

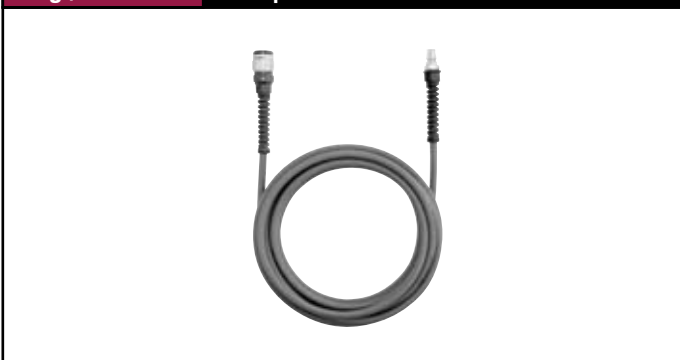
Interchangeable with Hi Cupla Models 20, 30 and 40.  
Interchangeable with each corresponding Hi Cupla models.

## Suitability for vacuum

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

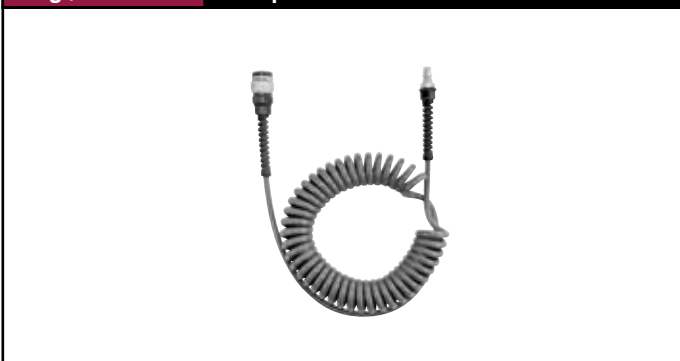
## Model / Hose length

### Plug / Socket NK Cupla Hose



Model	Hose Size	Hose length	Socket	Plug
			Hi Cupla Ace	Nut Cupla
NKU-605B	ø6.5mm x ø10mm	5 m	HA-65SNG	65PNG
NKU-610B	ø6.5mm x ø10mm	10 m	HA-65SNG	65PNG
NKU-620B	ø6.5mm x ø10mm	20 m	HA-65SNG	65PNG
NKU-810B	ø8.5mm x ø12.5mm	10 m	HA-85SNG	85PNG
NKU-820B	ø8.5mm x ø12.5mm	20 m	HA-85SNG	85PNG

### Plug / Socket NK Cupla Coil Hose



Model	Hose Size	Max. extensible length	Socket	Plug
			Hi Cupla Ace	Nut Cupla
NKC-503B	ø5mm x ø8mm	2 m	HA-50SNG	50PNG
NKC-505B	ø5mm x ø8mm	4 m	HA-50SNG	50PNG
NKC-603B	ø6.5mm x ø10mm	2 m	HA-65SNG	65PNG
NKC-605B	ø6.5mm x ø10mm	4 m	HA-65SNG	65PNG