

For Air

NK Cupla Hose NK Cupla Coil Hose

Couplings with polyurethane hose for air lines

Working pressure



0.7 MPa
(7 kgf/cm²)



1.0 MPa
(10 kgf/cm²)

Valve structure



One-way shut-off

Applicable fluid



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 ²)	NK Cupla Hose : 1.0 (10) NK Cupla Coil Hose : 0.7 (7)			
Pressure resistance MPa (kgf/cm ²)	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

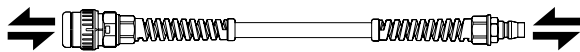
Tightening Torque Range

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. extendible 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