

For Air

# Nut Cupla Nut Cupla 200

For connection to urethane hose

Working pressure



1.5 MPa  
(15 kgf/cm<sup>2</sup>)

Valve structure



One-way shut-off

Applicable fluid



Air

Nut Cupla

Nut Cupla 200

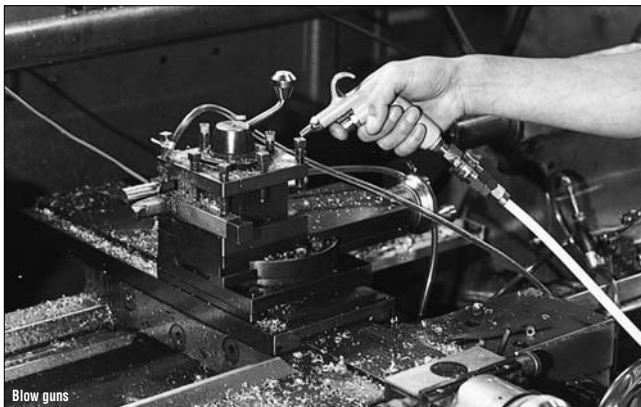
Nut Cupla 200 with Hose Guard Nut



**No hose clamp required!**  
**Simple and secure connection to urethane hose.**  
**Fitted with hose guard nut to prevent possible kinking.**

- Nut types are available in Hi Cupla Series and Hi Cupla 200 Series. Hose guard nut type available to prevent hose kinking.
- Will not catch or snag on anything unlike conventional hose clamps with screw whilst moving around the work area.
- To mount on hose, simply slide it over the nipple and tighten the nut.
- The design to tighten outside of hose reduces hose slip away or fluid leaks.

### Application example



Blow guns

### Specifications

Body material	Steel (Chrome-plated)				
Size	For ø5 mm x ø8 mm • ø8 mm x ø12 mm hose				
	For ø6 mm x ø9 mm • ø8.5 mm x ø12.5 mm hose				
	For ø6.5 mm x ø10 mm • ø11 mm x ø16 mm hose				
Working pressure MPa (kgf/cm <sup>2</sup> )	1.5 (15)				
Pressure resistance MPa (kgf/cm <sup>2</sup> )	2.0 (20)				
Seal material	Nitrile rubber	Mark	NBR (SG)	Working temperature range	-5°C~+60°C
Working temperature range	Standard material				

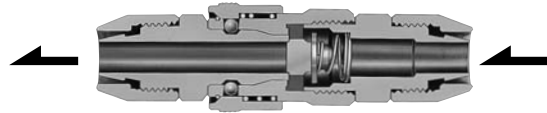
### Tightening Torque Range

N·m (kgf·cm)

Model	SN · PN Type	65SNG · PNG Type	85SNG · PNG Type
Torque	9~11 (92~112)	5~6 (51~61)	7~8 (71~82)

### Flow Direction

Fluid must run from socket to plug.



### Interchangeability

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

### Min. Cross-Sectional Area

(mm<sup>2</sup>)

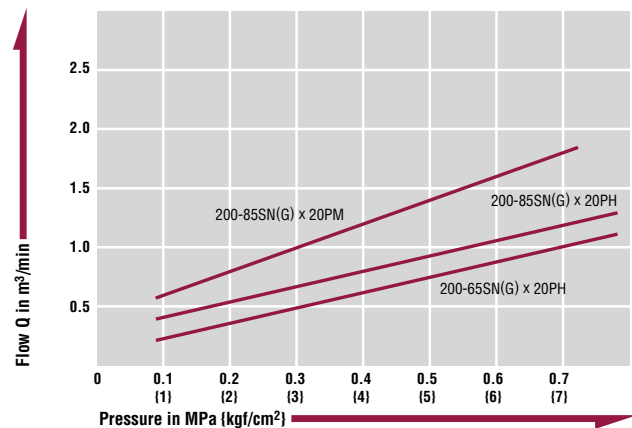
Socket	Plug	Min. Cross-Sectional Area (mm <sup>2</sup> )								
		20PH	30PH	40PH	20PM	30PM	40PM	20PF	30PF	40PF
200-50SN		16	16	16	16	16	16	16	16	16
200-60SN		20	22	22	22	22	22	22	22	22
200-65SN		20	22	22	22	22	22	22	22	22
200-80SN		20	41	41	41	41	41	41	41	41
200-85SN		20	40	41	41	41	41	41	41	41
200-110SN		20	40	41	41	41	41	41	41	41
200-50SNG		16	16	16	16	16	16	16	16	16
200-65SNG		20	22	22	22	22	22	22	22	22
200-85SNG		20	40	41	41	41	41	41	41	41

### Suitability for Vacuum

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

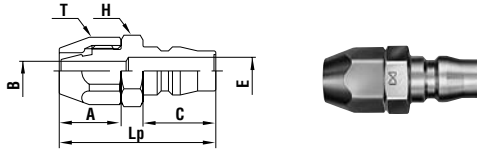
### Pressure - Flow Characteristics

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



Models and Dimensions

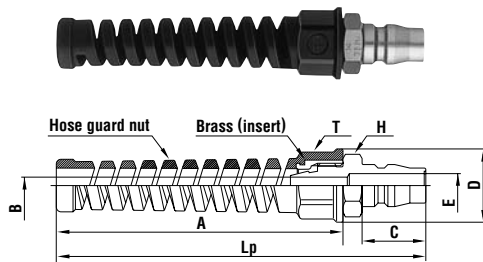
**Plug PN type (For urethane hose connection)**



(Old model)

Model	Application (Hose)	Mass (g)	Dimensions (mm)						
			Lp	C	A	øB	øE	H(WAF)	T(WAF)
50PN (10PAH)	ø5 mm x ø8 mm	30	43	20	17	4.5	7.5	Hex.17	Hex.17
60PN (20PAH)	ø6 mm x ø9 mm	40	43	20	17	5.3	7.5	Hex.17	Hex.17
65PN	ø6.5 mm x ø10 mm	42	43	20	17	5.3	7.5	Hex.17	Hex.17
80PN (30PAH)	ø8 mm x ø12 mm	50	45	20	19	7.5	7.5	Hex.19	Hex.19
85PN	ø8.5 mm x ø12.5 mm	52	45	20	19	7.5	7.5	Hex.19	Hex.19
110PN (40PAH)	ø11 mm x ø16 mm	75	52	20	23	7.5	7.5	Hex.23	Hex.24

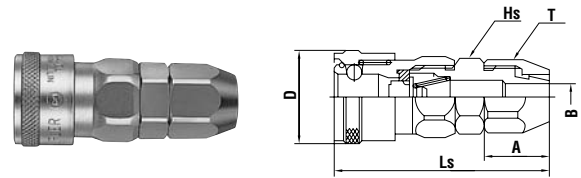
**Plug PNG type (For urethane hose with hose guard nut connection)**



Model	Application (Hose)	Mass (g)	Dimensions (mm)							
			Lp	C	A	øD	øB	øE	H(WAF)	T(WAF)
50PNG*	ø5 mm x ø8 mm	41	116	20	90	23	4.5	7.5	Hex.17	Hex.19
65PNG	ø6.5 mm x ø10 mm	43	116	20	90	23	5.3	7.5	Hex.17	Hex.19
85PNG	ø8.5 mm x ø12.5 mm	55	116	20	90	26	7.5	7.5	Hex.19	Hex.22

\* Made-to-order item.

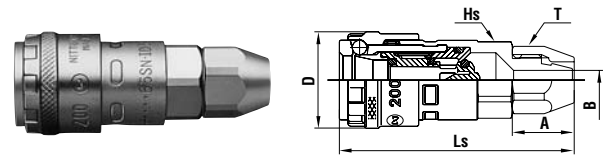
**Socket SN type (For urethane hose connection)**



(Old model)

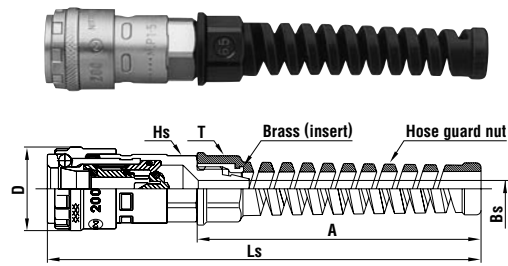
Model	Application (Hose)	Mass (g)	Dimensions (mm)					
			Ls	A	øD	øB	Hs(WAF)	T(WAF)
50SN (10SAH)	ø5 mm x ø8 mm	117	60	17	26.5	4.5	Hex.19	Hex.17
60SN (20SAH)	ø6 mm x ø9 mm	115	59.5	17	26.5	5.3	Hex.19	Hex.17
65SN	ø6.5 mm x ø10 mm	115	59.5	17	26.5	5.3	Hex.19	Hex.17
80SN (30SAH)	ø8 mm x ø12 mm	120	61.5	19	26.5	7.5	Hex.19	Hex.19
85SN	ø8.5 mm x ø12.5 mm	120	61.5	19	26.5	7.5	Hex.19	Hex.19
110SN (40SAH)	ø11 mm x ø16 mm	153	64.5	23	26.5	10	Hex.23	Hex.24

**Socket 200-SN type (For urethane hose connection)**



Model	Application (Hose)	Mass (g)	Dimensions (mm)					
			Ls	A	øD	øB	Hs(WAF)	T(WAF)
200-50SN	ø5 mm x ø8 mm	105	64.5	17	26.5	4.5	Hex.19	Hex.17
200-60SN	ø6 mm x ø9 mm	105	64.5	17	26.5	5.3	Hex.19	Hex.17
200-65SN	ø6.5 mm x ø10 mm	106	64.5	17	26.5	5.3	Hex.19	Hex.17
200-80SN	ø8 mm x ø12 mm	112	66.5	19	26.5	7.5	Hex.19	Hex.19
200-85SN	ø8.5 mm x ø12.5 mm	113	66.5	19	26.5	7.5	Hex.19	Hex.19
200-110SN	ø11 mm x ø16 mm	127	62	23	26.5	10	Hex.23	Hex.24

**Socket 200-SNG type (For urethane hose with hose guard nut connection)**



Model	Application (Hose)	Mass (g)	Dimensions (mm)					
			Ls	A	øD	øBs	Hs(WAF)	T(WAF)
200-50SNG*	ø5 mm x ø8 mm	105	137.5	90	26.5	4.5	Hex.19	Hex.19
200-65SNG	ø6.5 mm x ø10 mm	107	137.5	90	26.5	5.3	Hex.19	Hex.19
200-85SNG	ø8.5 mm x ø12.5 mm	116	137.5	90	26.5	7.5	Hex.19	Hex.22