For Low Pressure (Air) HI CUPLA for Connection to Braided Hoses NUT CUPLA NUT CUPLA 200 ROTARY NUT CUPLA

For connection to urethane hose, braided hose



No hose clamp required! Fitted with hose guard nut to prevent possible kinking. HI CUPLA for connection to braided hoses is now available.

- Nut types are available in HI CUPLA Series and HI CUPLA 200 Series. Hose guard nut type available to prevent hose kinking.
- 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.
- Also available are ROTARY NUT CUPLA equipped with ball bearing swivel mechanism to prevent and relieve tension on operator's hands.



Body material		Steel (Chrome plated)							
Urethane hose size		For ø5 mm × ø8 mm, ø6 mm × ø9 mm hose For ø6.5 mm × ø10 mm, ø8 mm × ø12 mm hose For ø8.5 mm × ø12.5 mm, ø11 mm × ø16 mm hose							
Pressure unit		MPa	kgf/cm ²	bar	PSI				
Working pressure		1.5	15	15	218				
Seal material		Seal material	Mark	Working temperature range	Remarks				
Working temperature	range	Nitrile rubber	NBR (SG)	-20°C to +60°C	Standard mater				
Specifications (HI CUPLA for Connection to Braided Hoses)									
Specifications (HI CUPL	A for Connecti	ion to Braided	Hoses)					
Specifications (Body material	HI CUPL	A for Connecti Steel (Chro			355				
•	HI CUPL		ome plated)		ass				
Body material	MPa	Steel (Chro	ome plated)	Bra ø15 mm hose	ass .0				
Body material Braided hose size		Steel (Chro	ome plated) For ø9 mm x	Bra ø15 mm hose 1					
Body material	МРа	Steel (Chro	ome plated) For ø9 mm x .5	Bra ø15 mm hose 1 1	.0				
Body material Braided hose size	MPa kgf/cm ²	Steel (Chro 1 1 1	me plated) For ø9 mm x 5	Bra ø15 mm hose 1 1	.0 0				
Body material Braided hose size	MPa kgf/cm ² bar	Steel (Chro 1 1 1	For ø9 mm x 5 5 5	Bra ø15 mm hose 1 1	.0 0 0				

Specifications (NUT CUPLA / NUT CUPLA 200 / ROTARY NUT CUPLA)

Maximum working pressure and temperature range of PN/SN type for braided hoses depends upon the specification of the braided hose to be used.

Tightening Torque Range Nm {kgf•cm								
Model	SN, PN, SNR Type	85SNG, PNG, SNRG Type						
Torque	9 to 11 {92 to 112}	5 to 6 {51 to 61}	7 to 8 {71 to 82}					

To mount on braided hose or urethane hose, slide it over to the hose barb and tighten the nut until it is flush against the hose barb base. It is recommended that grease is applied to the inside of the nut (threaded part and hose contact part) for easy tightening.

Flow Direction



Interchangeability

Interchangeable with HI CUPLA models 10, 17, 20, 30 and 40.

Interchangeable with each models of NUT CUPLA series and HI CUPLA series (except models 400, 600, and 800). Please see page 19 for "HI CUPLA Series Interchangeability".

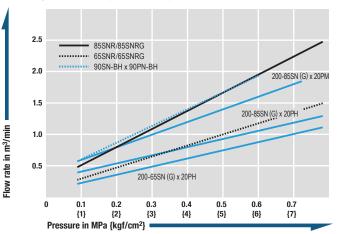
Minimum Cross-Sectional Area (mm ²)												
Plug Socket	17PH	20PH	30PH	40PH	10PM	20PM	30PM	40PM	20PF	30PF	40PF	90PN-BH
200-50SN	16	16	16	16	13	16	16	16	16	16	16	16
200-60SN	16	20	22	22	13	22	22	22	22	22	22	22
200-65SN	16	20	22	22	13	22	22	22	22	22	22	22
200-80SN	16	20	41	41	13	41	41	41	41	41	41	41
200-85SN	16	20	41	41	13	41	41	41	41	41	41	41
200-110SN	16	20	41	41	13	41	41	41	41	41	41	41
200-50SNG	16	16	16	16	13	16	16	16	16	16	16	16
200-65SNG	16	20	22	22	13	22	22	22	22	22	22	22
200-85SNG	16	20	40	41	13	41	41	41	41	41	41	41
90SN-BH	16	20	33	33	13	33	33	33	33	33	33	33

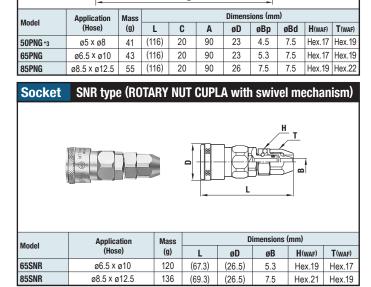
Suitability for Vacuum

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

Pressure - Flow Characteristics

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





Plug PNG type (For urethane hose with hose guard nut connection)										
110PN	ø11 × ø16	75	-	(52)	20	7.5	7.5	Hex.23	Hex	
85PN	ø8.5 x ø12.5	52	53	(45)	20	7.5	7.5	Hex.19	Hex	
80PN	ø8 x ø12	50	52	(45)	20	7.5	7.5	Hex.19	Hex	
65PN	ø6.5 x ø10	42	43	(43)	20	5.3	7.5	Hex.17	Hex	
60PN	ø6 x ø9	40	-	(43)	20	5.3	7.5	Hex.17	Hex	

Brass (insert)

MANANANAN

Н

C

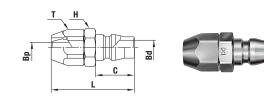
Ba

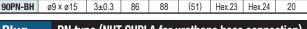
Т

Hose guard nut

읍

Grease is applied to the threaded part of stainless steel nut to prevent galling.										
	Application	Body mater	ial • Mass (g)			Dimensio	ons (mm)			
Model	(Hose)	Steel	Stainless steel	L	C	øBp	øBd	H(waf)	T(WAF)	
50PN	ø5 x ø8	30	-	(43)	20	4.5	7.5	Hex.17	Hex.17	
60PN	ø6 x ø9	40	-	(43)	20	5.3	7.5	Hex.17	Hex.17	
65PN	ø6.5 x ø10	42	43	(43)	20	5.3	7.5	Hex.17	Hex.17	
80PN	ø8 x ø12	50	52	(45)	20	7.5	7.5	Hex.19	Hex.19	
85PN	ø8.5 x ø12.5	52	53	(45)	20	7.5	7.5	Hex.19	Hex.19	
110PN	ø11 × ø16	75	-	(52)	20	7.5	7.5	Hex.23	Hex.24	





PN type (HI CUPLA for connection to braided hoses)

Models and Dimensions (NUT CUPLA / NUT CUPLA 200)

Hı

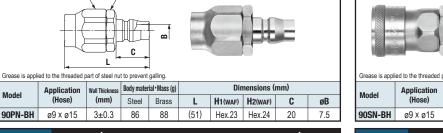
Plug

Model

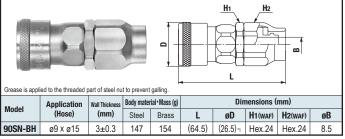
Application

(Hose)



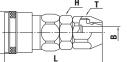






SN type (NUT CUPLA for urethane hose connection) Socket





Н

T

Grease is applied to the threaded part of stanless steer nut to prevent gailing.									
Model	Application	Body mater	ial•Mass (g)	Dimensions (mm)					
	(Hose)	Steel	Stainless steel	L	øD	øB	H(WAF)	T(WAF)	
50SN	ø5 x ø8	117	-	(60)	(26.5)	4.5	Hex.19	Hex.17	
60SN	ø6 x ø9	115	-	(59.5)	(26.5)	5.3	Hex.19	Hex.17	
65SN	ø6.5 x ø10	115	110	(59.5)	(26.5) -2	5.3	Hex.19	Hex.17	
80SN	ø8 x ø12	120	114	(61.5)	(26.5) -2	7.5	Hex.19	Hex.19	
85SN	ø8.5 x ø12.5	120	115	(61.5)	(26.5) -2	7.5	Hex.19	Hex.19	
110SN	ø11 x ø16	153	-	(64.5)	(26.5)	10	Hex.23	Hex.24	

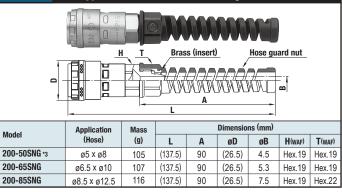
Socket SN type (NUT CUPLA 200 for urethane hose connection)



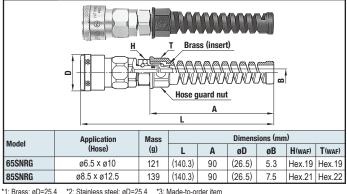
						m
on	Mass		Din	nensions (m	m)	
	(g)	L	øD	øB	H(WAF)	T(war

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

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



SNRG type (ROTARY NUT CUPLA with swivel mechanism) Socket



The pictures of HI CUPLA for connection to braided hoses and PN type and SN type of NUT CUPLA show steel bodies.

Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products