For Low Pressure Hi Cupla BL Universal purpose couplings with sleeve lock mechanism for air lines Working pressure Valve structure Applicable fluids (Steel applies to air only)

Sleeve-lock mechanism is engaged by rotating the sleeve after connection.

- Sleeve-lock mechanism prevents accidental disconnection.
- An excellent general purpose coupling for connecting factory air supply to pneumatic tools.
- Steel coupling is suitable for air. Stainless steel is suitable for water.
 Note that fluid will come out from the plug when disconnected.
- Critical structural parts made of steel are heat-treated for increased strength giving greater durability and resistance to wear.
- Various body materials, sizes, and end configurations are available.
- SN-BL type for connection to urethane hose requires no hose clamp.



Specifications								
Body material			Steel (Plated)	Stainless steel			
	Thread and hose barb		1/4", 3/8", 1/2"					
Size	SN Type		For ø6.5 x ø	10 mm hose	-			
			For ø8 x ø1	2 mm hose				
			For ø8.5 x ø1	2.5 mm hose				
MPa		1.5						
Working	Working pressure kgf/cm²		15					
bar		15						
PSI			218					
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks			
		Nitrile rubber	NBR (SG)	-20°C to +80°C	Standard materia			

Note: Working temperature range of SN-BL type is -20° C $- +60^{\circ}$ C.

Max. Tightening Torque Nm {kgf•cr							
Size (Thread)		1/4"	3/8"	1/2"			
Torque	Steel	14 {143}	22 {224}	60 (612)			
Torque	Stainless steel	14 {143}	22 {224}	60 (612)			

Tightening Torque Range	Nm {kgf•cm}
SN Type	
0 to 11 (02 to 112)	

To mount on 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.



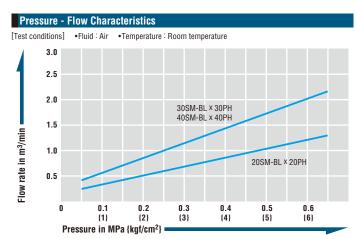
Interchangeability

- Sockets and plugs for Models 10, 17, 20, 30, and 40 can be connected with each other regardless of end configurations.
- Interchangeable with all other Hi Cupla Series products. Please see the page for "Hi Cupla Series Interchangeability."

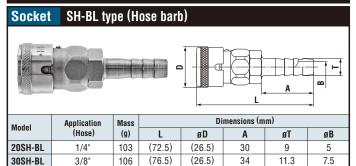
Min. Cross-Sectional Area (mm²)											
Socket Plug	17PH	20PH	30PH	40PH	10PM	20PM	30PM	40PM	20PF	30PF	40PF
20SH-BL	16	20	20	20	13	20	20	20	20	20	20
20SM-BL	16	20	33	33	13	33	33	33	33	33	33
20SF-BL	16	20	33	33	13	33	33	33	33	33	33
30SH-BL	16	20	33	33	13	33	33	33	33	33	33
30SM-BL	16	20	33	33	13	33	33	33	33	33	33
30SF-BL	16	20	33	33	13	33	33	33	33	33	33
40SH-BL	16	20	33	33	13	33	33	33	33	33	33
40SM-BL	16	20	33	33	13	33	33	33	33	33	33
40SF-BL	16	20	33	33	13	33	33	33	33	33	33
65SN-BL	16	20	22	22	13	22	22	22	22	22	22
80SN-BL	16	20	33	33	13	33	33	33	33	33	33
85SN-BL	16	20	33	33	13	33	33	33	33	33	33

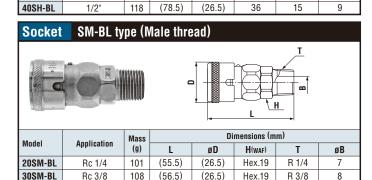
Suitability for Vacuur

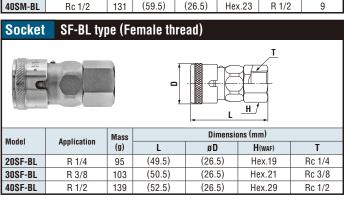
Not suitable for vacuum application in either connected or disconnected condition.

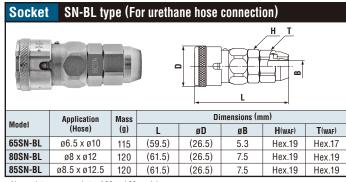


Steel









[.] Above pictures are sockets of 30 and 80 models

Rc 1/2

131

(59.5)

(26.5)

Hex.23

R 1/2

9

