



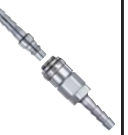











Guide for Selecting “NITTO KOHKI” Standard CUPLA

This chart will let you quickly select an appropriate CUPLA for your application. For technical data, please refer to the detailed information pages of each product, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For Low Pressure (Air)							
Name		MICRO CUPLA	SMALL CUPLA	COMPACT CUPLA	CUBE CUPLA	SUPER CUPLA	HI CUPLA	HI CUPLA BL	HI CUPLA 200
Photo									
Body material • Working pressure (MPa)	Brass	1.0	1.0	1.0			1.0		
	Stainless steel	1.0		1.0			1.5	1.5	
	Steel					1.0	1.5	1.5	1.5
	Plastic				1.0				
	Others					1.0			
Body surface treatment		Plated (Brass only)	Chrome plated	—	—	Chrome plated (Steel only)	Chrome plated (Steel only)	Chrome plated (Steel only)	Chrome plated
Size	1/8"	○	○	○	○	○	○		
	1/4"		○			○	○	○	○
	5/16"								
	3/8"						○	○	○
	1/2"						○	○	○
	3/4"						○		
	1"						○		
	1 1/4"								
	1 1/2"								
	2"								
	2 1/2"								
	3"								
	4"								
Others	○	○	○	○	○	○	○	○	
Working temperature range		-20°C to +80°C (NBR)	-20°C to +80°C (NBR)	-20°C to +180°C (FKM)	-20°C to +60°C (NBR)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)	-20°C to +60°C (NBR)
Seal material		NBR, FKM	NBR	FKM, EPDM	NBR	NBR	NBR, FKM	NBR	NBR
Connection method	Manual			○			○	○	
	Push-to-connect	○	○		○	○			○
Valve structure	Two-way shut-off			○	○				
	Two-way shut-off (Non-Spill)								
	One-way shut-off	○	○		○	○	○	○	○
	Straight through				○				
Detailed information page		21	25	27	29	33	35	37	39


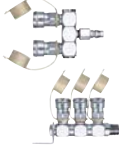





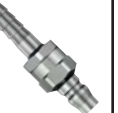
Guide for Selecting “NITTO KOHKI” Standard CUPLA

This chart will let you quickly select an appropriate CUPLA for your application. For technical data, please refer to the detailed information pages of each product, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For Low Pressure (Air)							
Name		HI CUPLA for Connection to Braided Hoses	NUT CUPLA ROTARY NUT CUPLA	NUT CUPLA 200	LOCK CUPLA 200	HI CUPLA Two Way Type	FULL-BLOW CUPLA	PURGE HI CUPLA PVR	PURGE HI CUPLA
Photo									
Body material • Working pressure (MPa)	Brass	1.0							1.0
	Stainless steel								
	Steel	1.5	1.5	1.5	1.5	1.5			
	Plastic								
	Others						1.5	1.5	
Body surface treatment		Chrome plated (Steel only)	Chrome plated	Chrome plated	Chrome plated	Chrome plated	—	—	Chrome plated
Size	1/8"								
	1/4"				○	○	○		○
	5/16"								
	3/8"				○	○	○		○
	1/2"				○	○	○	○	○
	3/4"							○	○
	1"							○	
	1 1/4"								
	1 1/2"								
	2"								
	2 1/2"								
	3"								
	4"								
	Others	○	○	○	○		○		
Working temperature range		-20°C to +80°C (NBR)	-20°C to +60°C (NBR)	-20°C to +60°C (NBR)	-20°C to +60°C (NBR)	-20°C to +80°C (NBR)	-20°C to +60°C (NBR)	-20°C to +60°C (NBR)	-20°C to +60°C (NBR)
Seal material		NBR	NBR	NBR	NBR	NBR, FKM	NBR	NBR	NBR
Connection method	Manual	○	○			○			
	Push-to-connect			○	○		○	○	○
Valve structure	Two-way shut-off								
	Two-way shut-off (Non-Spill)								
	One-way shut-off	○	○	○	○	○	○	○	○
	Straight through								
Detailed information page		41	41	41	43	44	45	47	49









Guide for Selecting “NITTO KOHKI” Standard CUPLA

This chart will let you quickly select an appropriate CUPLA for your application. For technical data, please refer to the detailed information pages of each product, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For Low Pressure (Air)							
Name		PURGE LINE CUPLA	ROTARY LINE CUPLA	LINE CUPLA 200T/L/S	ROTARY FULL-BLOW LINE CUPLA	HI CUPLA ACE	ROTARY PLUG	TWIST PLUG	PURGE PLUG
Photo									
Body material • Working pressure (MPa)	Brass	1.0							
	Stainless steel								
	Steel						1.5	1.0	1.0
	Plastic					1.0, 1.5			
	Others		1.5	1.5	1.5				
Body surface treatment		Chrome plated	Chrome plated	Chrome plated	—	—	Nickel plated	Nickel plated	Chrome plated
Size	1/8"							○	
	1/4"		○	○	○	○	○	○	○
	5/16"								
	3/8"					○	○	○	○
	1/2"	○	○	○	○				○
	3/4"								
	1"								
	1 1/4"								
	1 1/2"								
	2"								
	2 1/2"								
	3"								
	4"								
Others		○		○	○	○			○
Working temperature range		-20°C to +60°C (NBR)	-20°C to +60°C (NBR)	-20°C to +60°C (NBR)	-20°C to +60°C (NBR)	-20°C to +60°C (NBR)	-20°C to +80°C (NBR)	-20°C to +60°C (NBR)	-20°C to +60°C (NBR)
Seal material		NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR
Connection method	Manual		○						
	Push-to-connect	○		○	○	○			
Valve structure	Two-way shut-off								
	Two-way shut-off (Non-Spill)								
	One-way shut-off	○	○	○	○	○			
	Straight through								
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Guide for Selecting "NITTO KOHKI" Standard CUPLA

This chart will let you quickly select an appropriate CUPLA for your application. For technical data, please refer to the detailed information pages of each product, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For Low Pressure (Air)				For Oxygen and Fuel Gas		For Low Pressure (Water)	
Name		ANTI-VIBRATION PLUG HOSE	DUSTER CUPLA	NK CUPLA HOSE	NK CUPLA COIL HOSE	MINI CUPLA	MINI CUPLA SUPER	MICRO CUPLA	SMALL CUPLA
Photo									
Body material • Working pressure (MPa)	Brass					0.7	0.7	1.0	1.0
	Stainless steel							1.0	
	Steel						0.7		
	Plastic								
	Others	1.5	1.0	1.0	0.7				
Body surface treatment		—	Chrome plated	Chrome plated (Plug only)	Chrome plated (Plug only)	—	Chrome plated	Plated (Brass only)	Chrome plated
Size	1/8"					○		○	○
	1/4"	○	○			○	○		○
	5/16"					○	○		
	3/8"	○	○			○	○		
	1/2"		○						
	3/4"								
	1"								
	1 1/4"								
	1 1/2"								
	2"								
	2 1/2"								
	3"								
	4"								
Others		○	○	○	○	○	○	○	
Working temperature range		—	-20°C to +60°C (NBR)	-5°C to +60°C (NBR)	-5°C to +60°C (NBR)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)
Seal material		—	NBR	NBR	NBR	NBR	NBR	NBR, FKM	NBR
Connection method	Manual		○						
	Push-to-connect			○	○	○	○	○	○
Valve structure	Two-way shut-off								
	Two-way shut-off (Non-Spill)								
	One-way shut-off		○	○	○	○	○	○	○
	Straight through								
Detailed information page		62	63	64	64	65	67	21	25









Guide for Selecting “NITTO KOHKI” Standard CUPLA

This chart will let you quickly select an appropriate CUPLA for your application. For technical data, please refer to the detailed information pages of each product, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For Low Pressure (Water)							
Name		COMPACT CUPLA	CUBE CUPLA	HI CUPLA	HI CUPLA ACE	MOLD CUPLA	MOLD CUPLA High Flow Type	FLOW METER	LEVER LOCK CUPLA
Photo			Choose from 5 colors   NEW						
Body material • Working pressure (MPa)	Brass	1.0		1.0		1.0	1.0		
	Stainless steel	1.0		1.5					1.8, 1.6, 1.1
	Steel								
	Plastic		1.0		1.0, 1.5				0.5, 0.2
	Others							0.5	1.8, 1.1, 0.9, 0.7
Body surface treatment		—	—	—	—	—	—	—	—
Size	1/8"	○	○	○		○			
	1/4"			○	○	○	○		
	5/16"								
	3/8"			○	○	○	○	○	
	1/2"			○			○		
	3/4"			○					○
	1"			○					○
	1 1/4"								○
	1 1/2"								○
	2"								○
	2 1/2"								○
	3"								○
	4"								○
Others	○	○		○	○				
Working temperature range		-20°C to +180°C (FKM)	-20°C to +60°C (NBR)	-20°C to +80°C (NBR)	-20°C to +60°C (NBR)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)	+20°C to +60°C (NBR)	-20°C to +80°C (NBR) +5°C to +50°C (PP body)
Seal material		FKM, EPDM	NBR	NBR, FKM	NBR	NBR, FKM	NBR, FKM	NBR	NBR, FKM, SI, EPDM
Connection method	Manual	○		○					○
	Push-to-connect		○		○	○	○		
Valve structure	Two-way shut-off	○	○						
	Two-way shut-off (Non-Spill)								
	One-way shut-off		○	○	○	○	○		
	Straight through		○			○	○		○
Detailed information page		27	29	35	57	69	71	72	73









Guide for Selecting "NITTO KOHKI" Standard CUPLA

This chart will let you quickly select an appropriate CUPLA for your application. For technical data, please refer to the detailed information pages of each product, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For Medium Pressure / For Low Pressure				For Medium Pressure	For High Pressure		
Name		TSP CUPLA	TSP CUPLA with Ball Valve	SP CUPLA TYPE A	HOT WATER CUPLA HW Type	ZEROSPILL CUPLA	HSP CUPLA	HYPER HSP CUPLA	210 CUPLA
Photo									
Body material • Working pressure (MPa)	Brass	5.0, 3.0, 2.0, 1.5	1.0	5.0, 3.0, 2.0, 1.5	2.0	3.5			
	Stainless steel	7.5, 4.5, 3.0, 2.0		7.5, 4.5, 3.0, 2.0		3.5			
	Steel	7.5, 4.5, 3.0, 2.0		7.5, 4.5, 3.0, 2.0			20.6, 18.0, 14.0	20.6	20.6
	Plastic								
	Others								
Body surface treatment		Nickel plated (Steel only)	—	Nickel plated (Steel only)	Nickel plated	—	Nickel plated	Nickel plated	Nickel plated
Size	1/8"	○		○					
	1/4"	○	○	○	○	○	○	○	○
	5/16"								
	3/8"	○	○	○	○	○	○	○	○
	1/2"	○	○	○	○	○	○	○	○
	3/4"	○	○	○	○	○	○	○	○
	1"	○	○	○	○	○	○	○	○
	1 1/4"	○		○			○		
	1 1/2"	○		○			○		
	2"	○		○			○		
	2 1/2"								
	3"								
	4"								
	Others	○							
Working temperature range		-20°C to +80°C (NBR)	-5°C to +120°C (FKM)	-20°C to +80°C (NBR)	-20°C to +180°C (FKM)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)
Seal material		NBR, FKM, EPDM	FKM	NBR, FKM, EPDM	FKM	NBR, FKM, EPDM	NBR, FKM	NBR	NBR, FKM
Connection method	Manual	○	○	○	○		○	○	○
	Push-to-connect					○			
Valve structure	Two-way shut-off			○	○		○	○	○
	Two-way shut-off (Non-Spill)					○			
	One-way shut-off		○						
	Straight through	○							
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Guide for Selecting “NITTO KOHKI” Standard CUPLA

This chart will let you quickly select an appropriate CUPLA for your application. For technical data, please refer to the detailed information pages of each product, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For High Pressure							
Name		HSU CUPLA	S210 CUPLA	280 CUPLA	350 CUPLA	FLAT FACE CUPLA F35	FLAT FACE CUPLA FF	450B CUPLA	700R CUPLA
Photo									
Body material • Working pressure (MPa)	Brass								
	Stainless steel	21.0	20.6						
	Steel			31.5, 27.5	34.5	35	35	44.1	68.6
	Plastic								
	Others								
Body surface treatment		—	—	Bright chromate conversion coating	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Size	1/8"								
	1/4"	○	○	○	○	○			
	5/16"								
	3/8"	○	○	○	○	○	○	○	○
	1/2"	○	○	○	○	○	○		○
	3/4"	○	○	○	○	○	○		
	1"	○	○	○	○	○	○		
	1 1/4"				○				
	1 1/2"				○				
	2"								
	2 1/2"								
	3"								
	4"								
Others									
Working temperature range		-20°C to +120°C (HNBR)	-20°C to +180°C (FKM)	-20°C to +80°C (NBR)	-20°C to +180°C (FKM)	-20°C to +180°C (FKM)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)	-20°C to +80°C (NBR)
Seal material		HNBR	FKM, NBR	NBR	FKM, NBR	FKM, NBR	NBR	NBR, FKM	NBR, FKM
Connection method	Manual	○	○	○				○	○
	Push-to-connect				○	○	○		
Valve structure	Two-way shut-off	○	○	○				○	○
	Two-way shut-off (Non-Spill)				○	○	○		
	One-way shut-off								
	Straight through								
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Guide for Selecting “NITTO KOHKI” Standard CUPLA

This chart will let you quickly select an appropriate CUPLA for your application. For technical data, please refer to the detailed information pages of each product, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For Multi-Port Connection (Manual)			For Multi-Port Connection (Automatic)				
Name		MULTI CUPLA MAM Type	MULTI CUPLA MAM-B Type	MULTI CUPLA MAM-A Type	MULTI CUPLA MAS Type	MULTI CUPLA MAT Type	MULTI CUPLA MALC-01 Type	MULTI CUPLA MALC-SP Type	MULTI CUPLA MALC-HSP Type
Photo									
Body material • Working pressure (MPa)	Brass	0.7	1.0	1.0			1.0		
	Stainless steel				7.0	7.0		7.5, 5.0, 1.5	
	Steel								25.0, 21.0
	Plastic								
	Others								
Body surface treatment		Chrome plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Size	1/8"	○	○				○	○	○
	1/4"		○	○	○	○		○	○
	5/16"								
	3/8"			○	○	○		○	○
	1/2"			○	○	○		○	○
	3/4"				○	○		○	○
	1"				○	○		○	○
	1 1/4"								
	1 1/2"							○	
	2"								
	2 1/2"								
	3"								
	4"								
Others							○	○	○
Working temperature range		-20°C to +60°C (NBR)	-20°C to +180°C (FKM)	-20°C to +180°C (FKM)	-20°C to +180°C (FKM)	-20°C to +180°C (FKM)	-20°C to +80°C (NBR)	-20°C to +180°C (FKM)	-20°C to +180°C (FKM)
Seal material		NBR	FKM	FKM	FKM	FKM	NBR	FKM	FKM
Connection method	Manual								
	Push-to-connect								
Valve structure	Two-way shut-off		○	○	○	○			
	Two-way shut-off (Non-Spill)						○	○	
	One-way shut-off	○					○		
	Straight through								
Detailed information page		107	109	113	117	117	119	121	125



Guide for Selecting “NITTO KOHKI” Standard CUPLA

This chart will let you quickly select an appropriate CUPLA for your application. For technical data, please refer to the detailed information pages of each product, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For High Purity Chemicals					For Inert Gas and Vacuum		
Name		SEMICON CUPLA SP Type	SEMICON CUPLA SCS Type	SEMICON CUPLA SCY Type	SEMICON CUPLA SCT Type	SEMICON CUPLA SCAL Type	SEMICON CUPLA SCF Type	SP-V CUPLA	PCV PIPE CUPLA
Photo									
Body material • Working pressure (MPa)	Brass							5.0, 3.0	4.5
	Stainless steel	0.2	0.2	0.2				7.5, 4.5	
	Steel								
	Plastic				0.2	0.2	0.2		
	Others								
Body surface treatment		Electropolished	Electropolished	Electropolished	—	—	—	—	—
Size	1/8"	○	○	○					
	1/4"	○	○	○	○	○		○	○
	5/16"								
	3/8"	○	○	○	○	○	○	○	○
	1/2"	○	○	○	○	○	○	○	
	3/4"	○	○	○	○	○		○	
	1"	○	○	○	○	○			
	1 1/4"								
	1 1/2"					○			
	2"								
	2 1/2"								
	3"								
	4"								
	Others						○		○
Working temperature range		0°C to +50°C (FKM)	0°C to +50°C (P)	0°C to +50°C (P)	+5°C to +50°C (FKM)	+5°C to +50°C (FKM)	+5°C to +50°C (FKM)	-20°C to +80°C (CR)	-20°C to +80°C (CR)
Seal material		FKM, EPDM, P, KL	P (O-ring for socket)	P, PTFE (Packing seal for socket)	FEP-coated FKM	P (O-ring for socket)	FEP-coated FKM	CR, FKM, HNBR	CR, FKM, HNBR
Connection method	Manual	○	○	○	○			○	○
	Push-to-connect					○	○		
Valve structure	Two-way shut-off	○	○	○	○		○	○	
	Two-way shut-off (Non-Spill)					○			
	One-way shut-off								
	Straight through								○
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Guide for Selecting “NITTO KOHKI” Standard CUPLA

This chart will let you quickly select an appropriate CUPLA for your application. For technical data, please refer to the detailed information pages of each product, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For Paint	For Food
Name		PAINT CUPLA	HYGIENIC CUPLA Easy Wash Type
Photo			
Body material • Working pressure (MPa)	Brass		
	Stainless steel	1.0 (Plug)	1.0
	Steel		
	Plastic		
	Others	1.0 (Socket)	
Body surface treatment		—	Buff finish #400 (liquid contact part)
Size	1/8"		
	1/4"		
	5/16"		
	3/8"	○	
	1/2"		
	3/4"		
	1"		
	1 1/4"		
	1 1/2"		
	2"		
	2 1/2"		
	3"		
	4"		
	Others		○
Working temperature range		0°C to +50°C (PFA)	0°C to +110°C (SI)
Seal material		PFA	SI, FKM, EPDM
Connection method	Manual	○	
	Push-to-connect		○
Valve structure	Two-way shut-off		
	Two-way shut-off (Non-Spill)		
	One-way shut-off	○	
	Straight through		○
Detailed information page		139	141

Semi-standard CUPLA Series

“Semi-standard CUPLA Series” are products with an already established record but are not standard stock items.

Accessories

CUPLA Safety Mechanism For Water

CUPLA with Single Lock 143 Page
Accidental disconnection prevention mechanism



TSP-HP CUPLA (for High Pressure) 144 Page
High pressure and general purpose type



Working pressure : 9.0 MPa (92 kgf/cm²)
Body material : Stainless steel
Application : 1/4" to 1/2"
Seal material : NBR, etc.

CUPLA with Safety Lock 143 Page
Accidental disconnection prevention mechanism



For Medium Pressure

SP CUPLA Type A PV Type 147 Page
Connectable with residual pressure With Purge Valve



Working pressure : 2.0 to 4.5 MPa (20 to 46 kgf/cm²)
Body material : brass, Stainless steel
Application : Rc 3/4 to Rc 1 1/2
Seal material : NBR

For Temperature Controllers

MYU CUPLA 144 Page
For small bore piping (10 mm OD) for temperature control
Applicable fluid : Water, gas, air



Working pressure : 1.0 MPa (10 kgf/cm²)
Body material : Stainless steel, brass (Plated)
Application : Please let us know the required sizes and end configurations.
Seal material : NBR, EPDM, FKM

For Low Pressure (air)

LITTLE CUPLA 144 Page
For small bore piping (14 mm OD) for temperature control
Applicable fluid : Water, gas, air



Working pressure : 1.5 MPa (15 kgf/cm²)
Body material : Stainless steel
Application : Please let us know the required sizes and end configurations.
Seal material : NBR, EPDM, FKM

PLASTIC CUPLA BC Type 148 Page
Valveless type for low pressure air piping



Working pressure : 0.07 MPa (0.7 kgf/cm²)
Body material : Plastic
Application : 1/4", 3/8"
Seal material : NBR

HIGH FLOW CUPLA 145 Page
For piping to control temperatures
Applicable fluid: Water, Heat transfer fluids



Working pressure : 1.0 MPa (10 kgf/cm²)
Body material : Stainless steel, brass
Application : 1/4" to 1/2"
Seal material : EPDM, FKM

PLASTIC CUPLA BCC Type 148 Page
Equipped with flow controller for low pressure air piping



Working pressure : 0.07 MPa (0.7 kgf/cm²)
Body material : Plastic
Application : 3/8"
Seal material : NBR

HIGH FLOW CUPLA BI Type 146 Page
HIGH FLOW CUPLA with ferrule flange mount
Applicable fluid: Water, Heat transfer fluids



Working pressure : 1.0 MPa (10 kgf/cm²)
Body material : Stainless steel
Application : 1/8" to 1/2"
Seal material : EPDM, FKM

When placing your order

Please select your appropriate combination from the column in each product page (on the right beside the product name) then decide the seal and body materials from the selection tables listed at the end of the catalog.

Accessories

DIP MOLD DUST CAP 149 Page
DUST CAPS for HI CUPLA, SP CUPLA Type A, TSP CUPLA, ZEROSPILL CUPLA and HYDRAULIC CUPLA



SLEEVE STOPPER 151 Page
Sleeve Stopper for SP CUPLA Type A



SAFETY CAP 149 Page
Metal caps for HI CUPLA Series, SP CUPLA Type A, TSP CUPLA and HYDRAULIC CUPLA
• Semi-standard



ACCESSORIES FOR O-RING MAINTENANCE 151 Page
Jigs & grease for replacement of O-rings for couplings
For SP CUPLA Type A, TSP CUPLA, HOT WATER CUPLA, ZEROSPILL CUPLA, HSP CUPLA, HSU CUPLA and HYGIENIC CUPLA



DUST CAP 150 Page
Plastic cap for HI CUPLA Series



RESIDUAL PRESSURE RELEASE JIG 152 Page
Residual Pressure Release Jig for SP CUPLA and HYDRAULIC CUPLA



DUST CAP 150 Page
Dedicated polyethylene cap for HYGIENIC CUPLA



CUPLA ADAPTER for Braided Hose Connection 152 Page
Mounts on CUPLA plug / socket with female thread



SLEEVE COVER 150 Page
Plastic cover for HI CUPLA Series



PURGE ADAPTER 153 Page
Residual Pressure Purge Adapter for Hydraulic Lines



PROTECTION COVER 150 Page
Plastic Cover for NUT CUPLA and FULL-BLOW CUPLA Nut Type



CUPLA CONNECTING JIG 154 Page
Connecting Jig for large CUPLA



DRAIN COCK / PRESSURE GAUGE 151 Page
Accessories for Air Lines of HI CUPLA Series





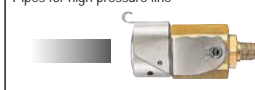



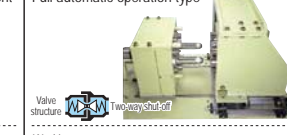





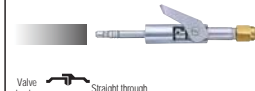



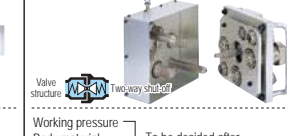









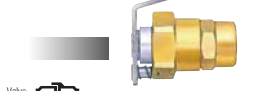

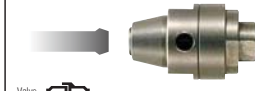



















Special Made-to-Order CUPLA

Nitto Kohki is developing couplings with various functions and specifications to suit respective user's applications. The CUPLA products on this page are examples of such.

Important notice

Special made-to-order couplings are supplied based upon the specific instructions / specifications detailed by the customer. Once written acceptance of our final drawing / specifications of the CUPLA is received from the customer we formally accept this as a final order. It is essential, as the customer, to carry out a performance test of the special made-to-order CUPLA, in its specific usage conditions, for assurance of safety and adaptability to the hoses, pipes or devices used in the application. Use of the made-to-order CUPLA in any application or condition other than those specified in the design drawing, will exclude Nitto Kohki from any liabilities for any special, indirect or consequential loss or damages.

For Inert Gases	For Gases and Liquids (PIPE CUPLA Series)	For Inert Gas and Vacuum	For High Purity Chemicals	Automatic MULTI CUPLA
CHARGE CUPLA cs Type For industrial gases Connectable to SP-V CUPLA plugs  Valve structure:  Working pressure : 3.0 MPa (31 kgf/cm ²) Body material : Stainless steel (part Aluminum alloy and Brass) Application : 1/4"	PCB CUPLA For expanded pipes  Valve structure:  Working pressure : To be defined after consultation. Body material : Brass (part Stainless steel) Pipe sizes : To be complied with your requirements. Seal material : CR, FKM, NBR	PCA CUPLA Pipes for high pressure line  Valve structure:  Working pressure : To be defined after consultation. Body material : Brass (part Stainless steel and Steel) Pipe sizes : To be complied with your requirements. Seal material : CR, FKM, NBR	SEMICON CUPLA sML Type For semiconductor manufacturing equipment  Valve structure:  Working pressure : 0.2 MPa (2 kgf/cm ²) Body material : Stainless steel Application : 1/8", 1/4" Seal material : FKM, EPDM, others	MULTI CUPLA AMCS-FA Type Full automatic operation type  Valve structure:  Working pressure : To be decided after consultation. Body material : To be decided after consultation. Application : To be decided after consultation. Seal material : To be decided after consultation.
CHARGE CUPLA cNR Type For industrial gases Connectable to SP-V CUPLA plugs  Valve structure:  Working pressure : 4.5 MPa (46 kgf/cm ²) Body material : Stainless steel (part Aluminum alloy and Brass) Application : 1/4", 3/8", 1/2" Seal material : CR, HNBR	PCBW CUPLA For bulged pipes and spool pipes  Valve structure:  Working pressure : To be defined after consultation. Body material : Brass (part Stainless steel) Pipe sizes : To be complied with your requirements. Seal material : CR, FKM, NBR	PCIO CUPLA For pipes that have inner locking system  Valve structure:  Working pressure : To be defined after consultation. Body material : Stainless steel (part Brass) Pipe sizes : To be complied with your requirements. Seal material : CR, FKM, NBR	SEMICON CUPLA scF Straight Type For semiconductor manufacturing equipment • see page 134  Valve structure:  Working pressure : 0.2 MPa (2 kgf/cm ²) Body material : Fluorine contained resin Application : 3/8", 1/2" Seal material : FEP-coated FKM, Fluoro-resin	MULTI CUPLA AMCS-SA Type Semi-automatic type  Valve structure:  Working pressure : To be decided after consultation. Body material : To be decided after consultation. Application : To be decided after consultation. Seal material : To be decided after consultation.
AUTO CUPLA AC Type For industrial gases Connectable to SP-V CUPLA plugs  Valve structure:  Working pressure : 3.0 MPa (31 kgf/cm ²) Body material : Stainless steel (part Aluminum alloy and Brass) Application : 1/4", 3/8" Seal material : CR, HNBR, NBR	PCP CUPLA For bulged pipes and spool pipes  Valve structure:  Working pressure : To be defined after consultation. Body material : POM (Polyacetal), part Stainless steel Pipe sizes : To be complied with your requirements. Seal material : CR, FKM, NBR	PCD CUPLA For pipes of special shapes  Valve structure:  Working pressure : To be defined after consultation. Body material : Stainless steel (part Aluminum alloy) Pipe sizes : To be complied with your requirements. Seal material : CR, FKM, NBR	For Water	
AUTO CUPLA ACV Type For industrial gases Connectable to SP-V CUPLA plugs  Valve structure:  Working pressure : 3.0 MPa (31 kgf/cm ²) Body material : Stainless steel (part Aluminum alloy and Brass) Application : 1/4", 3/8" Seal material : CR, HNBR, NBR	PCBL CUPLA For straight pipes  Valve structure:  Working pressure : To be defined after consultation. Body material : Stainless steel (part Brass) Pipe sizes : To be complied with your requirements. Seal material : CR, FKM, NBR	AUTO CUPLA For copper pipes  Valve structure:  Working pressure : To be defined after consultation. Body material : Steel (part Stainless steel) Pipe sizes : To be complied with your requirements. Seal material : CR, FKM, NBR	AIRLESS CUPLA For physical and chemical devices  Valve structure:  Working pressure : 3.0 MPa (31 kgf/cm ²) Body material : Stainless steel Application : 1/4" to 1" Seal material : FKM, EPDM	
AIRLESS CUPLA cNA Type For industrial gases  Valve structure:  Working pressure : 3.0 MPa (31 kgf/cm ²) Body material : Steel Application : 3/8" Seal material : CR, HNBR	PCL CUPLA For straight pipes  Valve structure:  Working pressure : To be defined after consultation. Body material : Steel Pipe sizes : To be complied with your requirements. Seal material : CR, FKM, NBR	SCREW CUPLA PCs Type For vacuum and pressure testing Please consult with us for larger sizes.  Valve structure:  Working pressure : 3.0 MPa (31 kgf/cm ²) Body material : Steel (part Stainless steel) Application : 7/16" to 7/8" Seal material : CR, NBR, FKM	For Manipulators	
PCW CUPLA For straight pipes  Valve structure:  Working pressure : To be defined after consultation. Body material : Brass (part Stainless steel and Steel) Pipe sizes : To be complied with your requirements. Seal material : CR, FKM, NBR	For Pneumatics and Hydraulics		Safety Equipment	
MP CUPLA For manipulators  Valve structure:  Working pressure : 5.0 MPa (51 kgf/cm ²) Body material : Stainless steel Application : 1/4" to 1" Seal material : FKM, others	SCREW CUPLA NCM Type For connecting pneumatic/hydraulic lines  Valve structure:  Working pressure : 14.0 MPa (142 kgf/cm ²) Body material : Steel (Plated) Application : 1/8" to 1" Seal material : NBR		AUTOMATIC DISCONNECTION CUPLA For fail safe system and automatic connection/disconnection applications  Valve structure:  Working pressure : To be decided after consultation. Body material : To be decided after consultation. Application : To be decided after consultation. Seal material : To be decided after consultation.	

When placing your order

Please ask about the details, since the CUPLA products in this group are special made-to-order items.