Guide for Selecting "NITTO" Standard Cuplas

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 Cupla, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

Applicable fluid		For Hydraulics	For Cooling Water and Heating Oil	For Cooling Water	For Paint	For High Purity Chemicals			
Name		700R Cupla	Mold Cupla	Flow Meter	Paint Cupla	Semicon Cupla SP Type	Semicon Cupla SCS Type	Semicon Cupla SCY Type	Semicon Cupla SCF Type
Photo									
Body material • Working pressure (MPa)	Brass		1.0						
	Stainless steel				1.0	0.2	0.2	0.2	
	Steel	68.6							
	Plastic								0.2
	Others			0.5	1.0				
Body surface treatment		Nickel-plated (Special steel)	—	—	—	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		−20˚C~+80˚C (NBR)	−20˚C~+80˚C (NBR)	+10˚C~+60˚C (NBR)	0˚C~+50˚C (PFA)	0˚C~+50˚C (FKM)	0˚C~+50˚C (P)	0˚C~+50˚C (P)	+5˚C~+50˚C (FKM)
Seal material		NBR, FKM	NBR, FKM	NBR	PFA	FKM,EPDM, P,KL	P, EPDM, FKM (O-ring for socket)	P (Packing seal for socket)	FEP-coated 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		*98*	*99*	*101*	*102*	*103*	*104*	*105*	*106*