### For Hydraulics

## 210 Cupla

For hydraulic pressure up to 20.6MPa {210kgf/cm²}

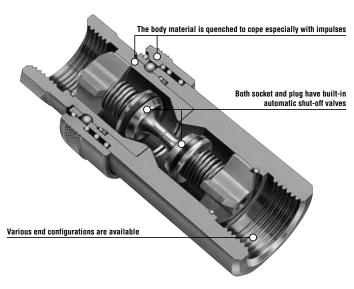












## Standard hydraulic Cuplas for general purposes with a working pressure up to 20.6MPa.

## Low pressure loss, suitable for hydraulic equipment.

- General purpose hydraulic Cuplas with a working pressure of 20.6MPa{210kgf/cm²}.
- Structure is designed to reduce pressure loss to the lowest, and is best for hydraulic applications that need big flow rates.
- Both socket and plug have built-in automatic shut-off valves that prevent fluid outflow when disconnected. Easy to handle.

Specifications						
Body material	Special steel (Nickel-plated)					
Size	1/4" • 3/8" • 1/2" • 3/4" • 1"					
Working pressure MPa {kgf/cm²}	20.6 {210}					
Pressure resistance MPa (kgf/cm²)	31.0 {316}					
Seal material	Seal material	Mark	Working temperature range	Remarks		
Working temperature range	Nitrile rubber	NBR (SG)	-20°C~+80°C	Standard material		
	Fluoro rubber	FKM (X-100)	-20°C~+180°C	Available on request		

Max. Tightening Torque N·m {kgf·cm}					ı {kgf•cm}
Size	1/4"	3/8"	1/2"	3/4"	1"
Torque	28 {286}	45 {459}	90 (918)	100 {1020}	180 {1836}

# Fluid may flow in either direction from plug or from socket side when coupled.

#### Interchangeability

Different sizes are not interchangeable.

Min. Cross-Sectional Area				(mm²)	
Model	210-2SP	210-3SP	210-4SP	210-6SP	210-8SP
Min. Cross-Sectional Area	24.5	42.8	77.4	146.5	235.6

Suitability for Vacuum		1.3Pa {1 x 10 <sup>-2</sup> mmHg}
Socket only	Plug only	When connected
_	<del>-</del>	Operational

Admixture of Air on Connection (m $\ell$					(mℓ)
Model	210-2SP	210-3SP	210-4SP	210-6SP	210-8SP
Volume of air	0.85	1.02	2.63	8.83	16.04

#### Flow Rate - Pressure Loss Characteristics

[Test conditions] •Fluid : Hydraulic oil •Temperature :  $30^{\circ}\text{C} \pm 5^{\circ}\text{C}$ 

