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



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

Low pressure loss, suitable for hydraulic equipment.

- General purpose hydraulic Cuplas with a working pressure of 20.6 MPa {210 kgf/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 (Thread)		1/4", 3/8", 1/2", 3/4", 1"					
Working pressure	MPa	20.6					
	kgf/cm ²	210					
	bar	206					
	PSI	2990					
Seal material Working temperature range		Seal material	Mark	Working temperature range	Remarks		
		Nitrile rubber	NBR (SG)	-20°C to +80°C	Standard material		
		Fluoro rubber	FKM (X-100)	-20°C to +180°C	Available on request		

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

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

Interchangeability

Different sizes are not interchangeable.

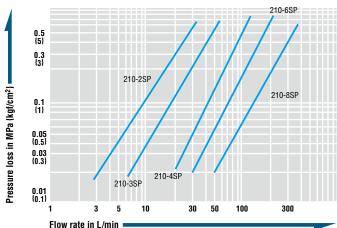
Min. Cross-Sectional Area (mm ²					
Model	210-2SP	210-3SP	210-4SP	210-6SP	210-8SP
Min. cross-sectional area	24.5	42.8	77.4	146.5	235.6

Suitability for Vacuum		1.3 Pa {1 x 10 ⁻² mmHg}
Socket only	Plug only	When connected
_	_	Operational

Admixture of Air on Connection Admixture of air may vary depending upon the usage conditions.					
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

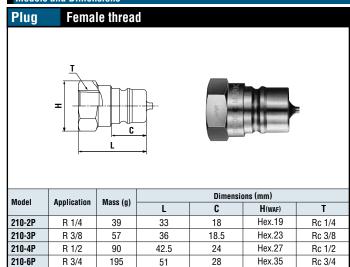
•Fluid : Hydraulic oil •Temperature : $30^{\circ}\text{C} \pm 5^{\circ}\text{C}$ •Fluid viscosity : $32 \times 10^{-6} \text{ m}^2\text{/s}$ •Density : $0.87 \times 10^{3} \text{ kg/m}^3$



\triangle Precautions for use

There is no interchangeability between 210 Cupla and HSP Cupla or 280 Cupla. Do not connect each other even if some sizes are approximate.

Models and Dimensions WAF : WAF stands for width across flats.



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Hex.41

Rc 1

210-8P

R 1

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