For Multi-Port Connection (Automatic) **Multi Cupla** MALC-01 Type for Low Pressure Use One-way shut-off type for Low pressure use

Solo use of socket is possible. Suitable for operation of ejector pins to open / close valve gates in molding.

- · Solo use of socket is possible.
- As in the case of Multi Cupla MALC-SP type and MALC-HSP type, the distance between the socket plate and the plug plate is designed to be 30 mm when connected. This means the Multi Cupla MALC-01 type can also be installed mixed with any size of MALC-SP type and MALC-HSP type on the same plate.
- A 2 mm axial eccentricity allowance eliminates precise centering at
- · Compact size with "thread screw mount" and "with flange" types available.



Specifications						
Body material	Socket: Brass (Nickel plated) Plug: Brass (Nickel plated)					
Pressure unit	MPa	kgf/cm²		bar		PSI
Working pressure	1.0	10		10		145
Seal material	eal material Sealing mate		Mark		Working temperature range	
Working temperature range	nitrile rubber		NBR (SG)		-20°C to +80°C	

Max. Tightening Torque	Nm {kgf•cm}
Thread screw mount	15 {153}
Flange	1.5 {15}

Interchangeability

Socket and plug of MALC-01 Type can be connected regardless of end configuration. Not interchangeable with MALC-SP Type (for medium pressure use) MALC-1SP or MALC-HSP Type (for high pressure use) MALC-1HSP.

Min. Cross-Sectional A	rea (mm²)
Min. cross-sectional area	28

Suitability for Vacuum

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

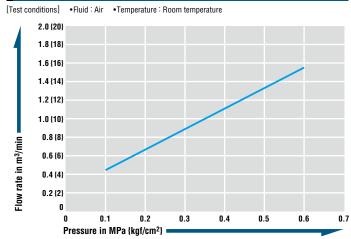
Load Required to Maintain Connection When Line Is Pressurized

 $F = (P \times 160) + 50 \{ f = p \times 1.6 + 5 \}$

Minimum load required to maintain connection F [N] {f [kgf]} Actual value of pressure P [MPa] {p [kgf/cm2]}

Assign the actual value of pressure [P (MPa), p (kgf/cm²)] to the above formula. Maintain the connection with this load [F (N), f (kgf)] or more. However, the maximum acceptable load is 500 N {51 kgf}.

Pressure - Flow Characteristics



Acceptable distance between plates

Socket and plug or plate must be used in contact with each other. Maximum 0.5 mm distance between socket and plug or plate is acceptable.

