

## Quick connect coupling Small Cupla MS-5, brass - Nitto Kohki 590318100

Item no. NKH-590318100

Manufacturer Nitto Kohki

The plug is pushed into the socket by hand and the connection is made. It carries no valve, so fluid flows out of the plug side on disconnection, which matters when the medium is water. Depending on the end configuration it weighs 9 g to 32 g and is tightened to 5 Nm up to 9 Nm. Model MS-5, brass, Seal material NBR.

### TECHNICAL DATA

Betriebsdruck max [bar] 10.000000

Weight 0.05 kg

Werkstoff Messing



### DESCRIPTION

Laboratory instruments and densely packed pneumatic assemblies leave no room for a standard coupling. The Nitto Kohki Small Cupla works up to 1.0 MPa with a socket sleeve of only 14 mm outside diameter, and a plug starts at 9 g.

- Socket of 14 mm outside diameter with built-in valve, suited to compact and modular assemblies
- Working pressure up to 1.0 MPa (10 bar, 145 PSI) for air and water
- Connection by pushing the plug in with one hand, no tools required
- Chrome-plated brass body for corrosion resistance, the Tube Fitter version is nickel-plated
- Low mass, the MS-10PM plug weighs 9 g and the MS-10SM socket 24 g
- NBR seal (marked SG) for -20 °C to +80 °C

### TECHNICAL DATA

|                  |                  |
|------------------|------------------|
| Model            | MS-5             |
| Coupling part    | plug             |
| Body material    | brass            |
| Seal material    | NBR              |
| Working pressure | 1.0 MPa (10 bar) |
| Valve structure  | One-way shut-off |

## APPLICATIONS

- Compressed air lines on laboratory and analytical instruments
- Medical devices and test rigs with limited installation space
- Polyurethane, polyamide and fluoropolymer tube of 6 mm and 8 mm outside diameter through the Tube Fitter version
- Hose connections  $\varnothing 4 \times \varnothing 6$  mm and  $\varnothing 4.5 \times \varnothing 6$  mm through the PN and SN end types
- Five branch ports from one supply through the MS-5 Small Line Cupla at 238 g with an aluminium alloy branch body

## COMPATIBILITY

Sockets and plugs of the range connect to each other regardless of end configuration. Air flows in either direction once coupled, and vacuum operation down to 53.0 kPa applies only in the connected state. The Tube Fitter version is not suitable for water.

## STANDARDS AND COMPLIANCE

End connections come in the 1/8 inch and 1/4 inch thread sizes (Rc 1/8, Rc 1/4, R 1/8, R 1/4), the sealing material is nitrile rubber (NBR, marked SG).