

Quick-connect coupling I.D. 2.7, bright brass, Sleeve I.D. 3 - Riegler 107073

Item no. RGL-107073

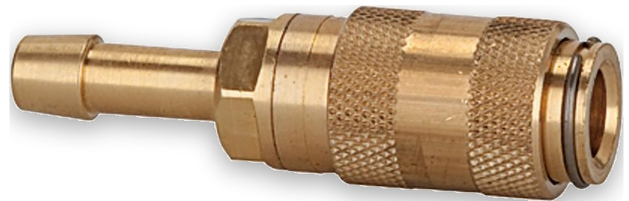
Manufacturer Riegler

EAN 4047322057981

Quick-connect coupling I.D. 2.7, bright brass, Sleeve I.D. 3

TECHNICAL DATA

Betriebsdruck max [bar]	35.000000
Country of Manufacture	Germany
Housing material	Bare brass
Length [mm]	35,0
Material	Bare brass
Seal material	NBR
Weight	0.008 kg
Zolltarifnummer	84818079



DESCRIPTION

Quick-connect coupling I.D. 2.7, bright brass, Sleeve I.D. 3, Operating pressure 0 - 35 bar, Medium / ambient temp. -20°C to 100°C One-hand quick disconnect couplings, one side sealing, extremely compact with a large bore and only a small pressure drop. To prevent injuries or a whiplash effect, we recommend that the plug-in nipple is held with one hand during uncoupling. Areas of application: Pneumatic system, machine and plant engineering, measurement, monitoring and control systems, manufacturing industry, medical technology, chemical / pharmaceutical industry, automotive.

TECHNICAL DATA

DN	2.7
Length	35.0 mm
Housing	bright brass
Sealant	NBR
Min. medium temperature	-20 °C
Max. medium temperature	100 °C
Min. ambient temperature	-20 °C
Max. ambient temperature	100 °C
Ball	rustproof steel
Spring	stainless steel

Valve body	bright brass
Sleeve	bright brass
Retaining ring	rustproof steel
Flow rate measurement	at 6 bar and $\Delta p = 0.5$ bar
Note on operating pressure	maximum static working pressure (non-pulsating)
Min. operating pressure	0 bar
Max. operating pressure	35 bar
Flow rate (air)	165 l/min

STANDARDS AND ORIGIN

- Customs tariff number: 84818079
- Country of origin: DE

ABOUT STANDARD COUPLINGS

Quick-connect couplings separate and reconnect compressed air lines with one hand and without tools. The single shut-off design keeps the supply side closed while uncoupling, so the line does not empty. The range holds 232 items with an operating pressure starting at 0 bar and reaching 12 or 35 bar depending on the version.

WHAT MATTERS WHEN CHOOSING

- Connections run from M5 through G 1/8, G 1/4 and G 3/8 up to G 1/2, each as male or female thread. That choice is made by the mating part, not by the coupling.
- The body material governs corrosion behaviour and weight. Bright and nickel-plated brass for standard compressed air work, stainless steel 1.4305 and 1.4404 for aggressive surroundings, glass-fibre reinforced PA6 GF 30 for a non-metallic version.
- Seal material is available in NBR and FKM or FPM and, together with the body, defines the temperature window. Documented limits are -20 °C to 0 °C at the low end and 70 °C to 200 °C at the high end.
- Check the operating pressure against the application. The series are rated at a maximum of 12 to 35 bar.
- The version decides how the coupling handles in place. Rigid and 360° rotating variants are available, and individual items come without a through thread.

TYPICAL APPLICATIONS

- Connecting air tools to preparation units and hose reels
- Assembly and repair benches with frequent tool changes
- Test rigs where lines are reconnected regularly
- Cleaning and wet areas using the stainless steel version
- Machine modules that are disconnected for changeover

The manufacturer recommends holding the plug nipple with one hand while uncoupling, to avoid injury from hose whip. Production takes place in Germany, Greece and China.