

Pushbutton safety coupling I.D. 5.5, rotating, Alu, G 1/2 ET - Riegler 134056

Item no. RGL-134056

Manufacturer Riegler

EAN 4047322483971

Pushbutton safety coupling I.D. 5.5, rotating, Alu, G 1/2 ET

TECHNICAL DATA

Betriebsdruck max [bar]	12.000000
Country of Manufacture	Italy
Housing material	Aluminium, anodised
Length [mm]	77,5
Material	Aluminium, anodised
Norm	DIN EN ISO 4414
Pneumatic connection	G1/2 AG
Seal material	NBR
Weight	0.161 kg
Zolltarifnummer	74122000



STANDARDS & COMPLIANCE

ISO 4414

DESCRIPTION

Pushbutton safety coupling I.D. 5.5, ARO 210, rotating, Aluminium, G 1/2 ET, Operating pressure max. 12 bar, Temp. -20°C to 70°C High-quality, robust and durable, one-hand quick disconnect safety couplings. When it is pressed for the first time, air is relieved from the coupling but the plug in the coupling remains locked. The plug is only disconnected when the pushbutton is pressed for the second time. The dreaded whiplash effect is avoided and the risk of injury to the operator virtually eliminated. The safety version conforms to ISO-Standard DIN EN ISO 4414. Areas of application: Pneumatic system, machine and plant engineering, measurement, monitoring and control systems, manufacturing industry, workshops, automotive.

TECHNICAL DATA

DN	5.5
Connection	G 1/2 ET
a/f	25 mm
Max. operating pressure	12 bar
Flow rate measurement	at 6 bar and $\Delta p = 1$ bar
Plug profile	acc. ARO 210

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Housing	anodised aluminium
Sealant	NBR
Min. medium temperature	-20 °C
Max. medium temperature	70 °C
Min. ambient temperature	-20 °C
Max. ambient temperature	70 °C
Internal parts	stainless steel 1.4404
Threaded piece	nickel-plated brass
Valve	Hardened, galvanised steel
Pushbutton	hardened, galvanised steel
Length	77.5 mm
Flow rate (air)	1080 l/min

STANDARDS AND ORIGIN

- Customs tariff number: 74122000
- Country of origin: IT

ABOUT SAFETY COUPLINGS

A safety coupling vents the hose before it releases the plug, so the line cannot whip around on disconnection. Coupling is done one-handed by pushing the plug in, uncoupling takes two steps via the locking sleeve. Operating pressure runs from 12 to 35 bar depending on the range.

WHAT MATTERS WHEN CHOOSING

- Plug profile and nominal size have to match the plugs already in use. Both are listed in the technical data of each article and act as the first filter before anything else.
- The connection is available as female and male thread in G 1/4 to G 3/4 and in NPT 1/4 to NPT 1/2. Choose NPT only where the installation is already built on that thread.
- The housing decides weight and durability. Nickel-plated brass and QPQ-treated steel are the workshop standard, anodised aluminium and glass fibre reinforced PA6 GF 30 save weight, stainless steel 1.4404 withstands wet and chemical areas.
- Operating pressure of 12 to 35 bar varies by range. Some versions work down to -0.95 bar and therefore cover vacuum as well, and flow rate is stated as 1350 l/min (air).
- For the seal, NBR covers normal service and FKM higher temperatures. Medium temperature runs from -20 °C to 60 °C or to 150 °C depending on the version.

TYPICAL APPLICATIONS

- Air take-off points on workshop manifolds where hoses are swapped several times a day
- Connecting air tools such as impact wrenches and grinders at assembly stations
- Hose reels and wall outlets where a recoiling hose would put people at risk
- Test and filling stations handling gases that must be vented under control
- Wet or outdoor installations using couplings in stainless steel 1.4404

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The released media are compressed air and gases, sealing is done with NBR or FKM. The range includes the Bi-Tec, DKSK and SEK series, 252 articles in total with overall lengths from 43 to 235 mm.