

Swivel safety coupling I.D.11, heavy-duty series, Steel, G 3/8 IT - Riegler 141798

Item no. RGL-141798

Manufacturer Riegler

EAN 4047322566797

Swivel safety coupling I.D.11, heavy-duty series, Steel, G 3/8 IT

TECHNICAL DATA

Betriebsdruck max [bar]	25.000000
Country of Manufacture	Turkey
Housing material	Steel, QPQ treated
Length [mm]	75,0
Material	Steel, QPQ treated
Pneumatic connection	G3/8 IG
Seal material	NBR
Weight	0.54 kg
Zolltarifnummer	84812090



STANDARDS & COMPLIANCE

ISO 4414 EN 983

DESCRIPTION

Swivel safety coupling I.D.11, heavy-duty series, Steel, G 3/8 IT, two-stage, Operating pressure max. 25 bar, Temp. -20°C to 100°C High quality, robust and long lifetime rotation secure coupling, heavy duty design. It is suitable for an extremely rough conditions. To make a secure connection between the coupling and plug, the plug-in nipple is fed into the coupling and rotated to the right until the mechanism clicks in audibly. The connection is uncoupled in which the plug-in nipple is rotated to the left and at the same time the release ring is pulled backwards. The plug-in nipple is captured upon ejection from the safety chamber and only released after another left or right turn by 90°. This coupling meets ISO standard DIN EN ISO 4414, EN 983. Areas of application: Pneumatic system, machine and plant engineering, manufacturing industry, offshore, refineries.

TECHNICAL DATA

DN	11
Connection	G 3/8 IT
a/f	36 mm
Min. temperature range	-20 °C
Max. temperature range	100 °C

A1-ESD equipment

Keldersstr. 15
42697 Solingen, Deutschland
VAT ID: DE269659389

Phone: +49 212 38340680
shop@esd-equipment.com
fluidics-equipment.com

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Housing	steel, QPQ treated
Sealant	NBR
Spring	stainless steel
Sleeve	brass
Threaded piece	galvanised steel
Valve	Brass
Flow rate measurement	at 6 bar and $\Delta p = 0.5$ bar
Length	75.0 mm
Note on operating pressure	max. 16 bar when engaging/disengaging
Max. operating pressure	25 bar
Flow rate (air)	2100 l/min

STANDARDS AND ORIGIN

- Customs tariff number: 84812090
- Country of origin: TR

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.