

Closing nipple locking on both sides, POM, G 1/8 IT, I.D. 4.3 - Riegler 107718

Item no. RGL-107718

Manufacturer Riegler

EAN 4047322061520

Closing nipple locking on both sides, POM, G 1/8 IT, I.D. 4.3

TECHNICAL DATA

Betriebsdruck max [bar]	15.000000
Country of Manufacture	Germany
Housing material	POM (Delrin), white
Length [mm]	29,5
Material	POM (Delrin), white
Norm	ISO 7241
Pneumatic connection	G1/8 IG
Seal material	NBR
Weight	0.004 kg
Zolltarifnummer	84818079



STANDARDS & COMPLIANCE

ISO 7241

DESCRIPTION

Closing nipple locking on both sides, POM, G 1/8 IT, I.D. 4.3, Operating pressure max. 15 bar, Temp. -20 °C to 90 °C

TECHNICAL DATA

Connection	G 1/8 IT
a/f	14 mm
Max. operating pressure	15 bar
Housing	POM (Delrin), white
Sealant	NBR
Min. medium temperature	-20 °C
Max. medium temperature	90 °C
Min. ambient temperature	-20 °C
Max. ambient temperature	90 °C
Ball	rustproof steel

Spring	stainless steel
Sleeve	POM (Delrin), white
Valve	Stainless steel 1.4305
Flow rate measurement	at 6 bar and $\Delta p = 0.5$ bar
Retaining ring	rustproof steel
Length	29.5 mm
Flow rate (air)	440 l/min
Note on operating pressure	referred to medium temp. of 50 °C, static working pressure

STANDARDS AND ORIGIN

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

ABOUT HYDRAULIC COUPLINGS

Hydraulic couplings disconnect and reconnect fluid lines without tools. Versions that shut off on both sides hold the medium in each half of the line, so very little oil is lost when uncoupling. Maximum operating pressure runs from 10 to 400 bar depending on size, with connections from G 1/8 IT to G 1 IT.

WHAT MATTERS WHEN CHOOSING

- Connection: G 1/8 IT through G 1 IT, which together with the nominal bore sets the flow that can be reached.
- Operating pressure: the maximum lies between 10 and 400 bar. Smaller bores cover the higher pressures, larger bores correspondingly less.
- Housing material: plain brass, nickel plated brass, steel, stainless steel 1.4305 or white POM (Delrin), chosen by medium, corrosion load and weight.
- Sealant: NBR for mineral oil and normal temperatures, FKM where medium temperature reaches up to 200 °C.
- Overall length: allow 29.5 to 96 mm when the coupling sits inside a power unit or behind a cover.

TYPICAL APPLICATIONS

- Machine and plant construction with hydraulic lines that are opened regularly
- Manufacturing industry, for example on clamping fixtures and tool change points
- Chemical and pharmaceutical plant using the stainless steel 1.4305 versions
- Automotive applications with changing test and filling points
- Food technology where lines are disconnected for cleaning

The couplings that shut off on both sides for liquid media follow ISO 7241 series B and are sealed with NBR or FKM. Production takes place in Germany, Sweden and Spain.