

»R25ES« series

One-hand quick disconnect couplings, one side sealing, made of stainless steel 1.4305. To prevent injuries or a "whiplash" effect, we recommend that the plug-in nipple is held with one hand during uncoupling.



These quick disconnect couplings are not suitable for direct attachment to pulsating tools. We recommend using our vibration dampers, according to ISO 6150 § 7.1.

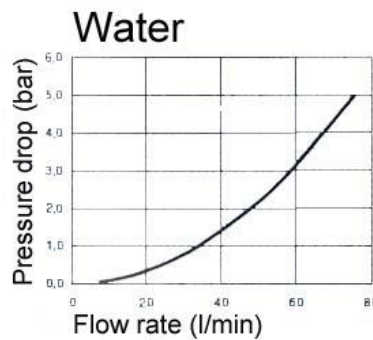
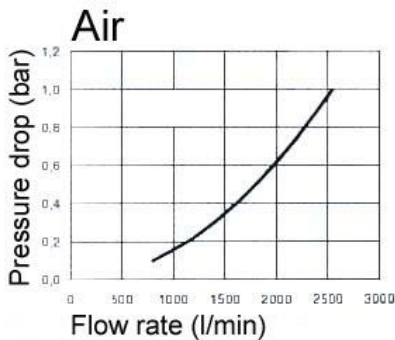
Areas of application: Pneumatic system, machine and plant engineering, manufacturing industry, medical technology, chemical / pharmaceutical industry, food technology, aerospace, mining, offshore.

Operating pressure	0 to 35 bar, maximum static working pressure (non-pulsating)
Medium and ambient temperature	-15 °C to 200 °C
Housing, sleeve and valve body	Stainless steel 1.4305
Spring, retaining ring and balls	Stainless steel
Sealant	FKM



243.50 B

Durchflusswerte:



243.60 B



243.70 B

Quick disconnect coupling DN 7.8, stainless steel 1.4305, male

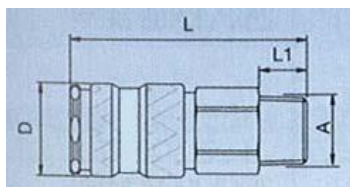
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.50 A	107417	G 1/4 male	19	59.5	23.0	10.5
243.50 B	107418	G 3/8 male	19	57.5	23.0	9.0
243.50 C	107419	G 1/2 male	24	60.5	23.0	12.0

Quick disconnect coupling DN 7.8, stainless steel 1.4305, female

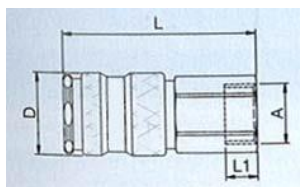
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.60 A	107420	G 1/4 female	19	55.5	23.0	10.0
243.60 B	107421	G 3/8 female	19	54.5	23.0	9.0
243.60 C	107422	G 1/2 female	24	57.5	23.0	12.0

Quick disconnect coupling DN 7.8, stainless steel 1.4305, with hose stem

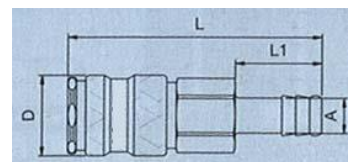
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.70 A	107423	Stem, I.D. 6	19	73.5	23.0	25.0
243.70 B	107424	Stem, I.D. 8	19	73.5	23.0	25.0
243.70 C	107425	Stem, I.D. 9	19	73.5	23.0	25.0
243.70 D	107426	Stem, I.D. 10	19	73.5	23.0	25.0
243.70 E	107427	Stem, I.D. 13	19	73.5	23.0	25.0



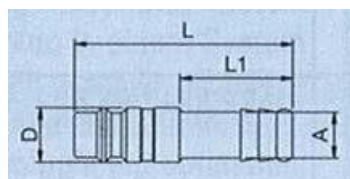
Male



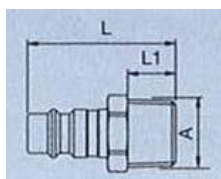
Female



Hose connection



Stem



Plug



243.80 C



243.85 C



243.95 C

Stem for couplings DN 7.2 - DN 7.8, stainless steel 1.4305

Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm
243.80 A	107428	Stem, I.D. 6	-	48.0	12.0	25.0
243.80 B	107429	Stem, I.D. 8	-	48.0	12.0	25.0
243.80 C	107430	Stem, I.D. 9	-	48.0	12.0	25.0
243.80 D	107431	Stem, I.D. 10	-	48.0	12.0	25.0
243.80 E	107432	Stem, I.D. 13	-	48.0	15.0	25.0

Plug for couplings DN 7.2 - DN 7.8, stainless steel 1.4305, male

Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm
243.85 A	107433	Plug, G 1/8 male	14	31.0	-	7.0
243.85 B	107434	Plug, G 1/4 male	17	33.0	-	9.0
243.85 C	107435	Plug, G 3/8 male	19	33.0	-	9.0
243.85 D	107436	Plug, G 1/2 male	24	38.0	-	11.0

Plug for couplings DN 7.2 - DN 7.8, stainless steel 1.4305, female

Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm
243.95 A	107437	Plug, G 1/8 female	14	30.0	-	7.0
243.95 B	107438	Plug, G 1/4 female	17	33.0	-	10.0
243.95 C	107439	Plug, G 3/8 female	19	33.0	-	10.0
243.95 D	107440	Plug, G 1/2 female	24	35.0	-	12.0

Installation location

The installation location of the quick-connect coupling must be selected so that the health of the person operating it cannot be harmed by sources of danger in the immediate surroundings, e.g. from slipping, jamming, contaminating or burning.

Low pressure applications

Threads for low-pressure applications are, if series-related no corresponding coatings or sealing rings are present, to be provided with suitable sealing materials, such as a PTFE belt or liquid sealing agent. Here the resistance to the flowing medium must be paid attention to.

Service manual

Quick-connect couplings are predominantly maintenance-free, if used in standard applications and handled carefully. The selection of the quick-connect coupling must be compatible with the intended purpose of use and material. Depending on the operating conditions it is recommended to provide the following points during maintenance:

External visual inspection with dirt in the functioning area of coupling and plug (seal area, control elements) these must be cleaned. The following distinguishing symptoms require replacement of the corresponding parts: Torn, damaged, heavily damaged or corroded parts, leaks on coupling and / or plug parts.

Function test under maximum Max. operating pressure can be used to test the quick-connect coupling for possible malfunctions and leaks. During the testing and operating phase it must be ensured that the operating personnel work protected.

Replacement intervals for quick-connect couplings must, if available, be adapted to the state or technical standards. However, also operating experiential values, which result from the required operational safety and the conditions of use, such as downtimes, coupling frequency, Max. operating pressure and properties of the medium, are critical for establishing the replacement intervals.

Pulsating tool

When using pulsating tools it is recommended to observe the standard ISO 6150, § 7.1. It recommends installing a minimum 300 mm long, flexible hose between the pulsating tool and the quick-connect coupling. The oscillating forces are taken by the hose piece and thus increase the service life of the quick-connect coupling. No warranty can be made for couplings mounted directly on pulsating tools.

Flow direction

The recommended flow direction is from the coupling to the plug if nothing else is specified in the technical data sheet.



Application with hoses

When using hoses the permissible Max. operating pressure and the working temperature must absolutely be observed and suitable hose connections must be seen to.