»R21MS« series

One-hand quick disconnect couplings, one side sealing, 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, measurement, monitoring and control systems, manufacturing industry, medical technology, chemical / pharmaceutical industry, automotive, food technology.

Operating pressure	0 to 35 bar, maximum static working pressure (non-pulsating)
Medium and ambient temperature	-20 °C to 100 °C
Housing	Brass with a bare metal surface
Sleeve	Brass with a bare metal surface
Valve body	Brass with a bare metal surface
Spring	Stainless steel
Retaining ring	Stainless steel
Ball	Stainless steel
Sealant	NBR

243.18

243.21

243.26

243.27

243.32

243.36

Quick disconnect coupling DN 5, brass with a bare metal surface, male

Type No.	Article No.	Connection	a/f mm	L mm	D mm	L1 mm
243.18	107125	G 1/8 male	14	37.0	16.0	7.0
243.19	107126	G 1/4 male	17	38.0	16.0	9.0
243.19/S	107127	G 3/8 male	19	38.0	16.0	9.0

Quick disconnect coupling DN 5, brass with a bare metal surface, female

Type No.	Article No.	Connection	a/f mm	L mm	D mm	L1 mm
243.20	107128	G 1/8 female	14	38.0	16.0	9.0
243.21	107129	G 1/4 female	17	38.0	16.0	9.0
243.21/S	107130	G 3/8 female	19	40.0	16.0	10.5

Quick disconnect couplings DN 5

Art. No. 107125 to 107153

RIEGLER

Quick disconnect coupling DN 5, brass with a bare metal surface, with hose stem

Type No.	Article No.	Connection	a/f mm	L mm	D mm	L1 mm
243.25	107131	Stem, I.D. 4	-	47.0	16.0	17.0
243.42	107132	Stem, I.D. 5	-	46.0	16.0	17.0
243.26	107133	Stem, I.D. 6	-	46.0	16.0	17.0
243.43	107134	Stem, I.D. 8	-	46.0	16.0	17.0
243.26/S	107135	Stem, I.D. 9	-	46.0	16.0	17.0

Quick disconnect coupling DN 5, brass with a bare metal surface, with hose connector

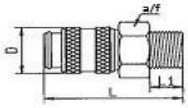
Type No.	Article No.	Connection	a/f mm	L mm	D mm	L1 mm
243.27	107136	Hose connection 6x4	14	43.0	16.0	-
243.28	107137	Hose connection 8x6	14	43.0	16.0	-

Quick disconnect coupling DN 5, brass with a bare metal surface, with bulkhead fitting and hose stem

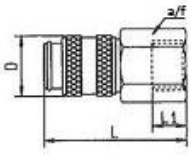
Type No.	Article No.	Bulkhead fitting	Connection	a/f mm	L mm	D mm	L1 mm
243.31	107138	M10x1	Stem, I.D. 4	14	60.0	16.0	17.0
243.32	107139	M12x1	Stem, I.D. 6	17	60.0	16.0	17.0
243.34	107140	M12x1	Stem, I.D. 9	17	60.0	16.0	17.0

Quick disconnect coupling DN 5, brass with a bare metal surface, with hose connector, swivel nut and kink protector spring

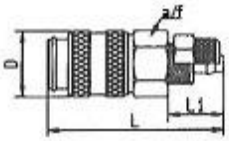
Type No.	Article No.	Version	Connection	a/f mm	L mm	D mm	L1 mm
243.35	107141	Rigid	Hose connection 6x4	14	120.0	16.0	-
243.36	107142	Rigid	Hose connection 8x6	14	132.0	16.0	-
243.37	107143	Swivelling 360°	Hose connection 6x4	14	134.0	16.0	-
243.38	107144	Swivelling 360°	Hose connection 8x6	14	145.0	16.0	-



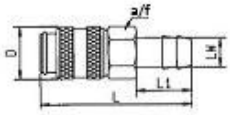
male



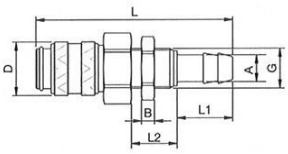
female



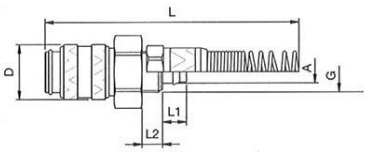
Hose connector



Hose stem



bulkhead fitting and hose stem



Hose connector, swivel nut and kink protector spring

243.16

243.29

243.032

243.034

243.39

Stem for couplings DN 5, brass with a metal surface

Type No.	Article No.	Description	a/f mm	L mm	D mm	L1 mm
243.16	107145	Stem, I.D. 4	-	27.3	8.9	13.0
243.17	107146	Stem, I.D. 6	-	32.0	8.9	17.7
243.17/S	107147	Stem, I.D. 9	-	33.6	8.9	17.7

Plug for couplings DN 5, brass with a bare metal surface, for hose

Type No.	Article No.	Description	a/f mm	L mm	D mm	L1 mm
243.29	107154	Plug for hose 6x4	12	31.5	9.0	7.2
243.30	107155	Plug for hose 8x6	14	31.5	9.0	7.0

Plug for couplings DN 5, brass with a bare metal surface, for hose with swivel nut and kink protector spring

Type No.	Article No.	Description	a/f mm	L mm	D mm	L1 mm
243.39	107156	Plug for hose 6x4	12	110.0	-	-
243.39/1	107157	Plug for hose 8x6	14	120.0	-	-

Plug for couplings DN 5, brass with a bare metal surface, male

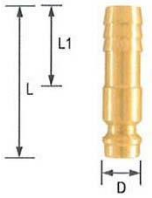
Type No.	Article No.	Description	a/f mm	L mm	D mm	L1 mm
243.031	107148	Plug, G 1/8 male	14	25.0	8.9	7.0
243.032	107149	Plug, G 1/4 male	17	26.2	8.9	8.0
243.032/S	107150	Plug, G 3/8 male	19	26.7	8.9	8.5

Plug for couplings DN 5, brass with a bare metal surface, female

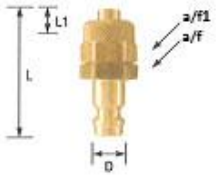
Type No.	Article No.	Description	a/f mm	L mm	D mm	L1 mm
243.033	107151	Plug, G 1/8 female	14	25.0	8.9	9.0
243.034	107152	Plug, G 1/4 female	17	26.0	8.9	10.0
243.034/S	107153	Plug, G 3/8 female	19	26.0	8.9	10.0

Quick disconnect couplings DN 5

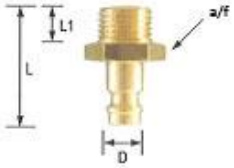
Art. No. 107125 to 107153



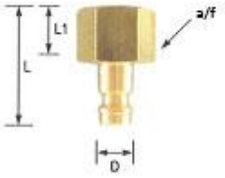
Stem



Plug for hose

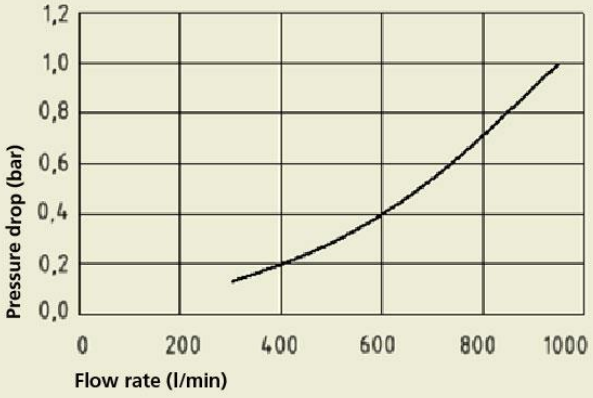


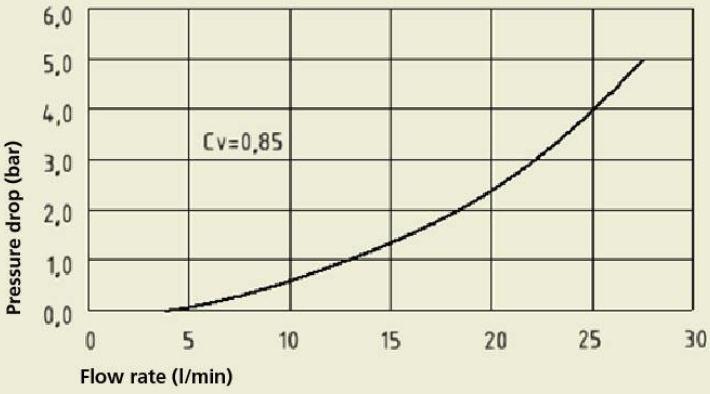
Plug, male



Plug, female

Flow charts





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.

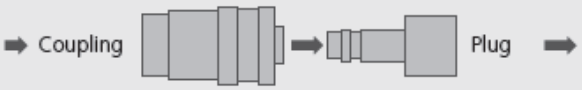
Replacement intervals for quick-connect couplings must, if available, be adapted to the state or technical standards. However, also operating experiential values, which result from the required operational safety and the conditions of use, such as downtimes, coupling frequency, Max. operating pressure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