



»R12MS« series, for garages

One-hand quick disconnect couplings, one side sealing, for high flow rates.

With rubber ring to protect against wear.

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.

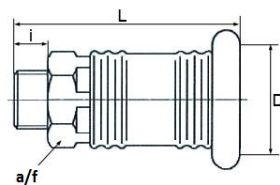
We recommend using our vibration dampers, according to ISO 6150 § 7.1.

Areas of application: Machine and plant engineering, manufacturing industry, workshops.

Max. operating pressure	16 bar
Medium temperature	-10 °C to 50 °C
Ambient temperature	-10 °C to 50 °C
Flow rate	4150 l/min (air)
Flow rate measurement	at 6 bar and $\Delta p = 0.5$ bar
Material	Brass with a bare metal surface
Spring	Stainless steel
Sealant	NBR

Quick disconnect coupling DN 12, brass with a bare metal surface, male

Art. No.	Type No.	Connection	a/f mm	L mm	i mm	D mm
107477	243.60	G 1/2 male	30	82.0	12.0	35.0
107478	243.61	G 3/4 male	30	82.0	12.0	35.0



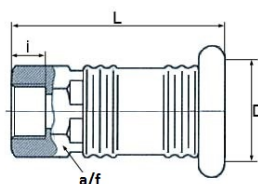
male



243.60

Quick disconnect coupling DN 12, brass with a bare metal surface, female

Art. No.	Type No.	Connection	a/f mm	L mm	i mm	D mm
107479	243.65	G 1/2 female	30	82.0	12.0	35.0
107480	243.66	G 3/4 female	30	82.0	12.0	35.0



female



243.65

Stem for couplings DN 12, brass with a bare metal surface

Art. No.	Type No.	Description	Length mm
107481	243.68	Stem, I.D. 13	87.0
107482	243.69	Stem, I.D. 16	87.0
107483	243.70	Stem, I.D. 19	87.0



243.68

Plug for couplings DN 12, brass with a bare metal surface

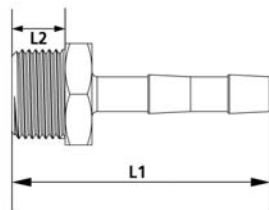
Art. No.	Type No.	Description	Length mm	a/f mm
107490	243.84	Plug, G 1/4 male	54.0	17
107491	243.85	Plug, G 1/2 male	63.0	20



243.84

Male hose fitting with parallel male thread, brass

Art. No.	Type No.	Thread	For Hose mm	L1 mm	L2 mm	a/f mm
131004	MS2391213	G 1/2 male	I.D. 13	45.0	11.0	24
131005	MS2391216	G 1/2 male	I.D. 16	53.0	11.0	24
131008	MS2391219	G 1/2 male	I.D. 19	53.0	11.0	24
131010	MS2393413	G 3/4 male	I.D. 13	51.0	12.0	32
131012	MS2393416	G 3/4 male	I.D. 16	51.0	12.0	32
131013	MS2393419	G 3/4 male	I.D. 19	54.0	12.0	32



MS2393413

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.

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.

Low pressure applications

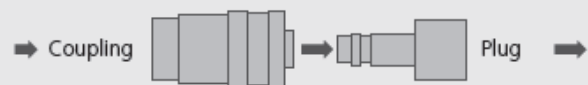
Threads for low-pressure applications are, if series-related no corresponding coatings or sealing rings are present, to be provided with suitable sealing materials, such as a PTFE belt or liquid sealing agent. Here the resistance to the flowing medium must be paid attention to.

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.