

»R26EMS« series, connect line type

Universal, one-hand quick disconnect couplings, one side sealing, at an unbeatably low price. The closed sleeve protects the coupling from dirt.

In combination with steel plugs, this coupling can also be used for pneumatic tools thanks to its hardened locking pins.

Couplings and plugs with thread sealing coating:

Ready-to assemble polyacrylate thread coating provides an instant, tight seal without curing.

The permanently elastic sealant can be adjusted up to 45° without influencing the seal. Safe to use.

Easy to assemble and disassemble.

To prevent injuries or a "whiplash" effect, we recommend that the plug-in nipple is held with one hand during uncoupling.



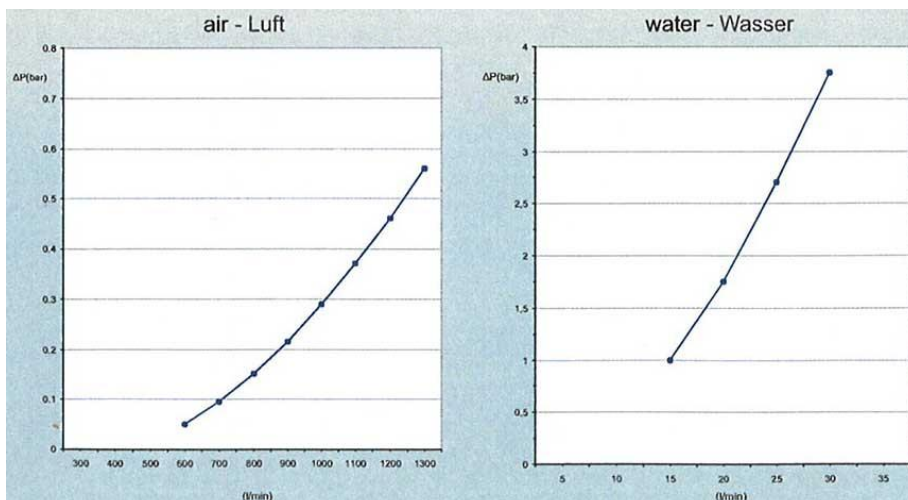
These quick disconnect couplings are not suitable for direct attachment to pulsating tools.

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

Areas of application: Pneumatic system, machine and plant engineering, measurement, monitoring and control systems, manufacturing industry, medical technology, chemical / pharmaceutical industry, workshops, automotive.

Operating pressure	0 to 35 bar, maximum static working pressure (non-pulsating)
	0 to 12 bar with thread sealing coating (please see note at the last page)
Medium and ambient temperature	-20 °C to 100 °C
Housing, sleeve and valve body	Brass with a bare metal surface
Springs, retaining ring and locking pins	Stainless steel
Sealant	NBR

### Flow rates:

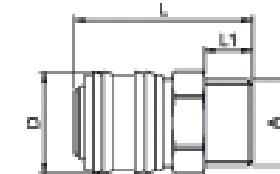


**Quick disconnect coupling DN 7.2, brass with a bare metal surface, male**

Type No.	Article No.	Connection	a/f mm	Length mm	D mm	L1 mm
243.00-E	115611	G 1/8 male	21	37.5	24.6	7.0
243.01-E	115612	G 1/4 male	21	39.0	24.6	8.5
243.02-E	115614	G 3/8 male	21	39.0	24.6	8.5
243.03-E	115616	G 1/2 male	21	40.5	24.6	10.0



243.01-E



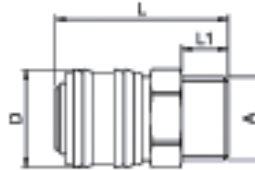
male

**Quick disconnect coupling DN 7.2, brass with a bare metal surface, male, with thread sealing coating**

Type No.	Article No.	Connection	a/f mm	Length mm	D mm	L1 mm
243.01-EB	117798	G 1/4 male	21	39.0	24.6	8.5
243.02-EB	117807	G 3/8 male	21	39.0	24.6	8.5
243.03-EB	117816	G 1/2 male	21	40.5	24.6	10.0



243.01-EB



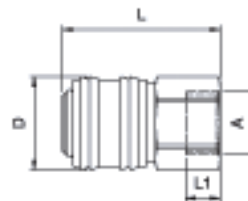
male

**Quick disconnect coupling DN 7.2, brass with a bare metal surface, female**

Type No.	Article No.	Connection	a/f mm	Length mm	D mm	L1 mm
243.11-E	115618	G 1/4 female	21	40.5	24.5	12.0
243.22-E	115632	G 3/8 female	21	40.5	24.5	10.0
243.33-E	115644	G 1/2 female	24	42.5	24.5	12.0



243.33-E



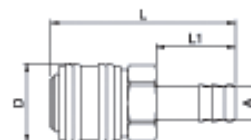
female

**Quick disconnect coupling DN 7.2, brass with a bare metal surface, with hose stem**

Type No.	Article No.	Connection	a/f mm	Length mm	D mm	L1 mm
243.44-E	115646	Stem, I.D. 6	-	54.0	24.6	24.0
243.47-E	115652	Stem, I.D. 8	-	54.0	24.6	24.0
243.45-E	115648	Stem, I.D. 9	-	54.0	24.6	24.0
243.49-E	115653	Stem, I.D. 10	-	54.0	24.6	24.0
243.46-E	115650	Stem, I.D. 13	-	53.5	24.6	24.0



243.44-E



Hose stem

### Stem for couplings DN 7.2 - DN 7.8, brass with a bare metal surface

Type No.	Article No.	Description	a/f mm	Length mm	D mm	L1 mm
243.06	107232	Stem, I.D. 6	-	44.0	12.0	24.0
243.351	107233	Stem, I.D. 8	-	48.0	12.0	25.0
243.07	107234	Stem, I.D. 9	-	44.0	12.0	24.0
243.352	107235	Stem, I.D. 10	-	48.0	12.0	25.0
243.10	107236	Stem, I.D. 13	-	46.0	11.9	24.0



243.06



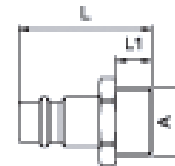
Stems for couplings

### Plug for couplings DN 7.2 - DN 7.8, brass with a bare metal surface, male

Type No.	Article No.	Description	a/f mm	Length mm	D mm	L1 mm
243.48	107237	Plug G 1/8 male	14	31.0	-	7.0
243.50	107238	Plug G 1/4 male	17	32.0	-	8.0
243.51	107239	Plug G 3/8 male	19	33.0	-	8.5
243.52	107240	Plug G 1/2 male	24	35.0	-	10.0



243.50



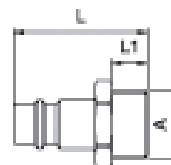
Plug - male

### Plug for couplings DN 7.2 - DN 7.8, brass with a bare metal surface, male, with thread sealing coating

Type No.	Article No.	Description	a/f mm	Length mm	D mm	L1 mm
243.50-EB	125654	Plug G 1/4 male	17	32.0	-	8.0
243.51-EB	125655	Plug G 3/8 male	19	33.0	-	8.5
243.52-EB	125656	Plug G 1/2 male	24	35.0	-	10.0



243.50-EB



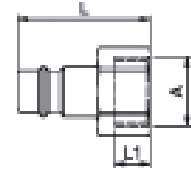
Plug - male

**Plug for couplings DN 7.2 - DN 7.8, brass with a bare metal surface, female**

Type No.	Article No.	Description	a/f mm	Length mm	D mm	L1 mm
243.54	107241	Plug G 1/8 female	14	31.0	-	9.0
243.55	107242	Plug G 1/4 female	17	32.0	-	10.0
243.56	107243	Plug G 3/8 female	19	32.0	-	10.0
243.57	107244	Plug G 1/2 female	24	34.0	-	12.0

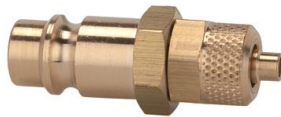


243.55

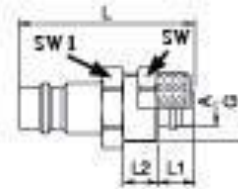


**Plug for couplings DN 7.2 - DN 7.8, brass with a bare metal surface, for hose**

Type No.	Article No.	Description	a/f mm	a/f 1 mm	Length mm	D mm	L1 mm	L2 mm
243.216	107245	Plug for hose 6x4	12	14	41.0	12.0	7.0	5.5
243.217	107246	Plug for hose 8x6	14	14	43.0	12.0	7.0	5.5
243.218	107247	Plug for hose 10x8	16	17	38.0	12.0	7.0	6.0
243.219	107248	Plug for hose 12x9	17	17	42.0	12.0	8.0	6.9



243.216



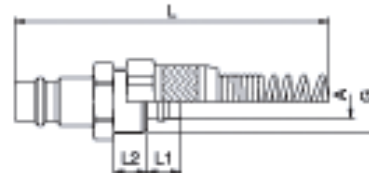
Plug for hose

**Plug for couplings DN 7.2 - DN 7.8, brass with a bare metal surface, for hose with swivel nut and kink protector spring**

Type No.	Article No.	Description	a/f mm	Length mm	D mm	L1 mm	L2 mm
243.355	107249	for hose 6x4 with swivel nut and kink protector spring	-	114.0	12.0	7.0	6.0
243.356	107250	for hose 8x6 with swivel nut and kink protector spring	-	121.0	12.0	7.0	6.0
243.357	107251	for hose 10x8 with swivel nut and kink protector spring	17	129.0	-	9.0	8.0
243.358	107252	for hose 12x9 with swivel nut and kink protector spring	17	141.0	-	9.0	8.0



243.355



Plug for hose with swivel nut and kink protector spring

**Push-in elbow for couplings DN 7.2 - DN 7.8, brass with a bare metal surface (Art. No. 243.761 nickel-plated brass)**

Type No.	Article No.	Description	Width mm	Height mm
243.760	107253	Push-in elbow for hose 6x4	45.0	26.0
243.761	107254	Push-in elbow for hose 8x6	48.0	27.0
243.762	107255	Push-in elbow for hose 10x8	36.0	33.0



243.760

→ Please note the following safety notice for the quick disconnect couplings and plugs with thread sealing coating:

Because of the ignorance which thread types, dimensions, materials, pairings and surfaces are prevailing, it is necessary to perform appropriate control tests of the desired function before a general application or a use in serial production under the respective practical conditions to convince themselves.

Any further claims, in particular the liability for consequential damages, are excluded.

## 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.

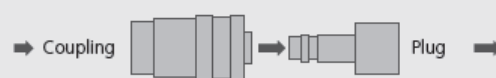
**Replacement intervals** for quick-connect couplings must, if available, be adapted to the state or technical standards. However, also operating experiential values, which result from the required operational safety and the conditions of use, such as downtimes, coupling frequency, Max. operating pressure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