

»R26MSV« series

Universal, one-hand quick disconnect couplings, one side sealing, suitable for a wide range of tasks and applications!

The closed sleeve protects the coupling from dirt.

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



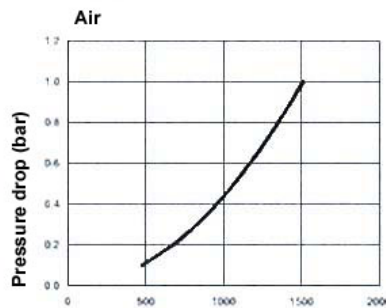
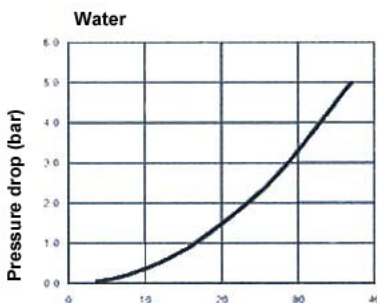
These quick disconnect couplings are not suitable for direct attachment to pulsating tools.

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)
Medium and ambient temperature	-20 °C to 100 °C (243.00-N - 243.313-N) 0 °C to 70 °C (243.400-N - 243.404-N)
Flow rate (air)	1000 l/min (at 6 bar and $\Delta p = 0.5$ bar)
Housing sleeve	Nickel-plated brass
Valve	Brass with a bare metal surface
Springs, retaining ring	Stainless steel 1.4310
Locking pins	Stainless steel 1.4034
Sealant	NBR

**Flow rates:**



243.03-N



243.33-N

**Quick disconnect coupling DN 7.2, nickel-plated brass, male**

Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.00-N	107279	G 1/8 male	22	43.0	25.0	9.0
243.01-N	107280	G 1/4 male	22	41.0	25.0	9.0
243.02-N	107281	G 3/8 male	22	45.0	25.0	9.0
243.03-N	107282	G 1/2 male	22	44.0	25.0	12.0

**Quick disconnect coupling DN 7.2, nickel-plated brass, female**

Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.11-N	107283	G 1/4 female	22	41.0	25.0	9.0
243.22-N	107284	G 3/8 female	22	41.0	25.0	9.0
243.33-N	107285	G 1/2 female	24	44.0	25.0	10.0



243.45-N



243.311-N



243.403-N

**Quick disconnect coupling DN 7.2, nickel-plated brass, with hose stem**

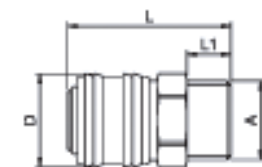
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.44-N	107286	Stem, I.D. 6	21	58.0	25.0	25.0
243.47-N	107287	Stem, I.D. 8	21	63.0	25.0	30.0
243.45-N	107288	Stem, I.D. 9	21	58.0	25.0	25.0
243.49-N	107289	Stem, I.D. 10	21	63.0	25.0	30.0
243.46-N	107290	Stem, I.D. 13	21	58.0	25.0	25.0

**Quick disconnect coupling DN 7.2, nickel-plated brass, with hose connector, with swivel nut**

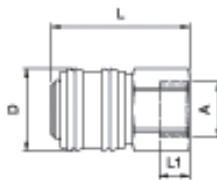
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.310-N	107291	Hose connection 6x4	21	58.0	25.0	7.0
243.311-N	107292	Hose connection 8x6	21	45.0	25.0	7.0
243.312-N	107293	Hose connection 10x8	21	49.0	25.0	9.0
243.313-N	107294	Hose connection 12x9	21	49.0	25.0	9.0

**Quick disconnect coupling DN 7.2, nickel-plated brass, swivel type**

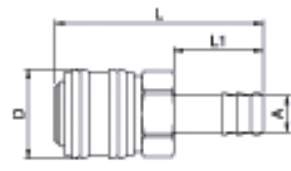
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
243.400-N	107295	Stem 6 mm, swivel type	-	74.0	25.0	24.0
243.401-N	107296	Stem 8 mm, swivel type	-	74.0	25.0	24.0
243.402-N	107297	Stem 9 mm, swivel type	-	74.0	25.0	24.0
243.403-N	107298	Stem 10 mm, swivel type	-	74.0	25.0	24.0
243.404-N	107299	Stem 13 mm, swivel type	-	74.0	25.0	24.0



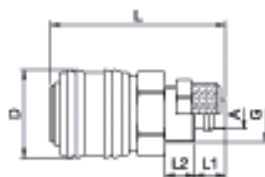
Male



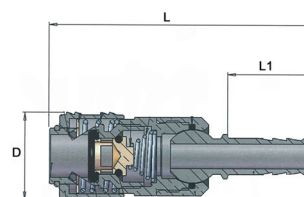
Female



Hose connection



Hose connection, swivel nut



Hose stem, swivel type



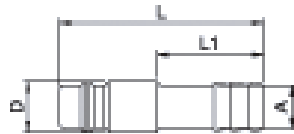
243.351-N



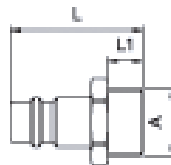
243.50-N



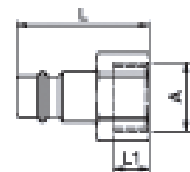
243.55-N



Stem



Plug male



Plug female

### Stem for couplings DN 7.2 - DN 7.8, nickel-plated brass

Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm
243.06-N	107300	Stem, I.D. 6	-	44.0	12.0	24.0
243.351-N	107301	Stem, I.D. 8	-	48.0	12.0	25.0
243.07-N	107302	Stem, I.D. 9	-	44.0	12.0	24.0
243.352-N	107303	Stem, I.D. 10	-	48.0	12.0	25.0
243.10-N	107304	Stem, I.D. 13	-	46.0	11.9	24.0

### Plug for couplings DN 7.2 - DN 7.8, nickel-plated brass, male

Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm
243.48-N	107305	Plug, G 1/8 male	14	31.0	-	7.0
243.50-N	107306	Plug, G 1/4 male	17	32.0	-	8.0
243.51-N	107307	Plug, G 3/8 male	19	33.0	-	8.5
243.52-N	107308	Plug, G 1/2 male	24	35.0	-	10.0

### Plug for couplings DN 7.2 - DN 7.8, nickel-plated brass, female

Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm
243.54-N	107309	Plug, G 1/8 female	14	31.0	-	9.0
243.55-N	107310	Plug, G 1/4 female	17	32.0	-	10.0
243.56-N	107311	Plug, G 3/8 female	19	32.0	-	10.0
243.57-N	107312	Plug, G 1/2 female	24	34.0	-	12.0

**Plug for couplings DN 7.2 - DN 7.8, nickel-plated brass, for hose**

Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm	L2 mm
243.216-N	107313	Plug for hose 6x4	12	34.0	12.0	6.0	6.0
243.217-N	107314	Plug for hose 8x6	14	34.0	12.0	6.0	5.0
243.218-N	107315	Plug for hose 10x8	17	42.0	12.0	8.0	6.0

**Plug for couplings DN 7.2 - DN 7.8, nickel-plated brass, for hose with swivel nut and kink protector spring**

Type No.	Art. No.	Description	a/f mm	L mm	D mm	L1 mm	L2 mm
243.355-N	107316	for hose 6x4 with swivel nut and kink protector spring	-	111.0	12.0	7.0	6.0
243.356-N	107317	for hose 8x6 with swivel nut and kink protector spring	-	117.0	12.0	7.0	6.0
243.357-N	107318	for hose 10x8 with swivel nut and kink protector spring	17	132.0	-	9.0	8.0
243.358-N	107319	for hose 12x9 with swivel nut and kink protector spring	17	139.0	-	9.0	8.0

**Push-in elbow for couplings DN 7.2 - DN 7.8, nickel-plated brass**

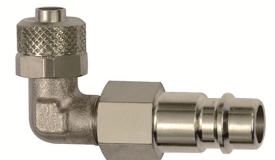
Type No.	Art. No.	Description	Width mm	Height mm
243.761	107254	Push-in elbow for hose 8x6	48.0	27.0



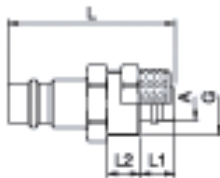
243.216-N



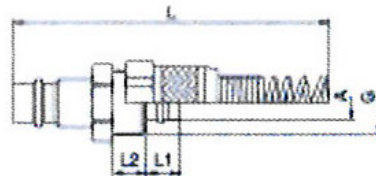
243.357-N



243.761



Plug for hose



Plug for hose with swivel nut and kink protector spring



243.981



243.982



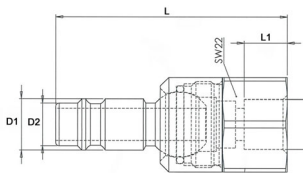
243.999



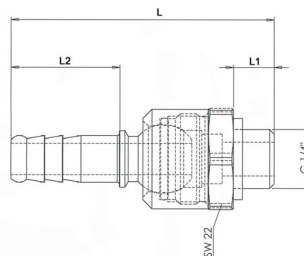
243.997



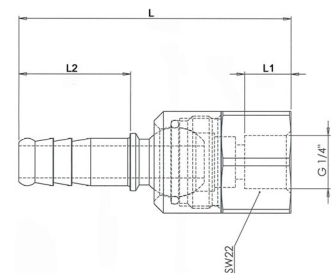
243.1004



Plug, swivel type



Hose stem, male



Hose stem, female

### Plug for couplings DN 7.2 - DN 7.8, swivel type, nickel-plated brass

Type No.	Art. No.	Connection	I.D.	a/f mm	L mm	L1 mm	D1 mm	D2 mm
243.981	107320	G 1/4 female	-	22	53.0	10.0	12.0	10.0
243.982	107321	G 1/4 male	-	22	53.0	-	12.0	10.0

### Hose stem for couplings DN 7.2 - DN 7.8, swivel type, nickel-plated brass / steel, male

Type No.	Art. No.	Connection	Material	I.D.	a/f mm	L mm	L1 mm	L2 mm
243.993	107322	G 1/4 male	Nickel-plated brass	6	22	58.0	9.0	24.0
243.994	107323	G 1/4 male	Nickel-plated brass	8	22	58.0	9.0	24.0
243.9960	107324	G 1/4 male	Nickel-plated brass	9	22	58.0	9.0	24.0
243.999	107325	G 1/4 male	Nickel-plated brass	10	22	58.0	9.0	24.0
243.1000	107326	G 1/4 male	Nickel-plated brass	13	22	58.0	9.0	24.0
243.997	107327	R 3/8 male	Nickel-plated steel	6	19	54.0	-	18.0
243.998	107328	R 3/8 male	Nickel-plated steel	9	19	54.0	-	18.0

### Hose stem for couplings DN 7.2 - DN 7.8, swivel type, nickel-plated brass, female

Type No.	Art. No.	Connection	I.D.	a/f mm	L mm	L1 mm	L2 mm
243.1001	107329	G 1/4 female	6	22	59.0	10.0	24.0
243.1002	107330	G 1/4 female	8	22	59.0	10.0	24.0
243.1003	107331	G 1/4 female	9	22	59.0	10.0	24.0
243.1004	107332	G 1/4 female	10	22	59.0	10.0	24.0
243.1005	107333	G 1/4 female	13	22	59.0	10.0	24.0

## 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.