

»R26K« series, KE type

One-hand air relief couplings with double locking system.

Connection: Similar to standard couplings, simply by pressing the plug into the coupling.

Disconnection: The first locking mechanism is accessible when the sleeve is pushed back.

The coupling valve closes. Air can then be relieved from the plug side and inside the hose.

The second locking mechanism is released by actuating the sleeve again.

The coupling can now be disconnected safely.



This system meets the requirements of ISO 4414 and is BIA-compliant (BIA = industrial safety institute).

These safety 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, workshops, automotive.

Operating pressure:

Max. 12 bar, maximum static working pressure (non-pulsating)

Medium and ambient temperature:

-20 °C to 60 °C

Housing and valve body:

Nickel-plated brass

Valve:

Brass

Unlocking sleeve:

Plastic

Springs, retaining ring, pins and balls:

Stainless steel

Operating pressure stems and plugs:

0 to 35 bar

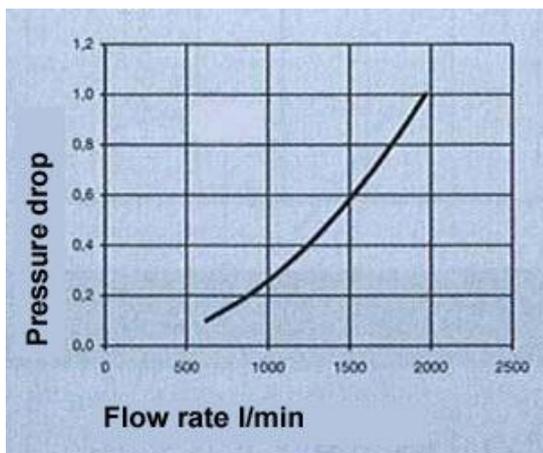
Sealant:

NBR



249.62

### Flow rates (air):



249.72



249.81

**Safety coupling DN 7.4, male**

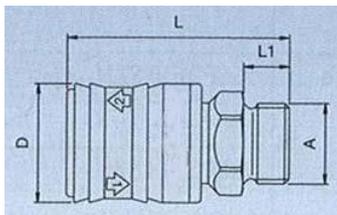
Type No.	Article No.	Connection	a/f mm	L mm	D mm	L1 mm
249.61	107554	G 1/4 male	22	55.4	31.0	9.0
249.62	107555	G 3/8 male	22	55.4	31.0	9.0
249.63	107556	G 1/2 male	24	58.3	31.0	12.0

**Safety coupling DN 7.4, female**

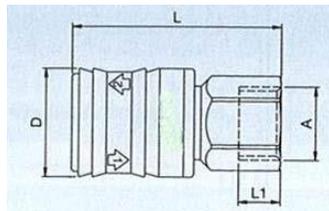
Type No.	Article No.	Connection	a/f mm	L mm	D mm	L1 mm
249.71	107557	G 1/4 female	22	57.2	31.0	9.0
249.72	107558	G 3/8 female	24	60.2	31.0	9.0
249.73	107559	G 1/2 female	24	60.2	31.0	12.0

**Safety coupling DN 7.4, with hose stem**

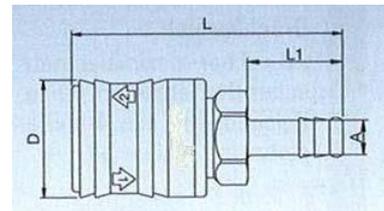
Type No.	Article No.	Connection	a/f mm	L mm	D mm	L1 mm
249.81	107560	Stem, I.D. 6	22	71.2	28.0	25.0
249.82	107561	Stem, I.D. 8	22	71.2	28.0	25.0
249.83	107562	Stem, I.D. 9	22	71.2	28.0	25.0
249.84	107563	Stem, I.D. 10	22	71.2	28.0	25.0
249.85	107564	Stem, I.D. 13	22	71.2	28.0	25.0



Male



Female



Hose stem

**Stem for couplings DN 7.2 – DN 7.8, hardened, galvanised steel**

Type No.	Article No.	Description	a/f mm	L mm	D mm	L1 mm
243.06 ST	107541	Stem, I.D. 6	-	48.0	12.0	25.0
243.06 ST-8	107542	Stem, I.D. 8	-	48.0	12.0	25.0
243.07 ST	107543	Stem, I.D. 9	-	48.0	12.0	25.0
243.07 ST-10	107544	Stem, I.D. 10	-	48.0	12.0	25.0
243.10 ST	107545	Stem, I.D. 13	-	48.0	12.0	25.0

**Plug for couplings DN 7.2 – DN 7.8, hardened, galvanised steel, male**

Type No.	Article No.	Description	a/f mm	L mm	D mm	L1 mm
243.49 ST	107546	Plug, R 1/8 male	13	33.0	-	9.0
243.50 ST	107547	Plug, G 1/4 male	17	32.0	-	9.0
243.51 ST	107548	Plug, G 3/8 male	19	34.0	-	9.0
243.52 ST	107549	Plug, G 1/2 male	24	38.0	-	11.0

**Plug for couplings DN 7.2 – DN 7.8, hardened, galvanised steel, female**

Type No.	Article No.	Description	a/f mm	L mm	D mm	L1 mm
243.54 ST	107550	Plug, G 1/8 female	14	30.0	-	10.0
243.55 ST	107551	Plug, G 1/4 female	17	39.0	-	16.0
243.56 ST	107552	Plug, G 3/8 female	19	40.0	-	16.0
243.57 ST	107553	Plug, G 1/2 female	24	44.0	-	16.0



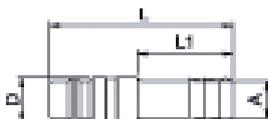
243.06 ST



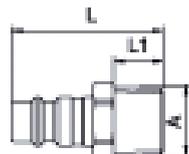
243.50 ST



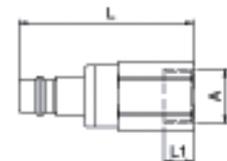
243.55 ST



Stem



Plug, male



Plug, female

## 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.

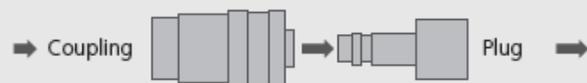
**Replacement intervals** for quick-connect couplings must, if available, be adapted to the state or technical standards. However, also operating experiential values, which result from the required operational safety and the conditions of use, such as downtimes, coupling frequency, Max. operating pressure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