SEK type

One-hand safety coupling with double locking mechanism.
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 (hose). The second locking mechanism is released by actuating the unlocking sleeve again. The coupling can now be disconnected.

Operating pressure:	-0,95 - 35 bar, max. 10 bar when engaging/disengaging
Medium and ambient temperature:	-20 °C to 60 °C
Flow rate (air):	1350 l/min (at 6 bar and Δp = 1 bar)
Housing, sleeve and body:	Nickel-plated brass
Springs, balls:	Stainless steel
Sealant:	NBR

SEKMSNG14AG

SEKMSNG14IG

SEKMSNLW6

Safety coupling DN 7.8, male

Art. No.	Type No.	Connection	a/f mm	L mm	D mm	L1 mm
129966	SEKMSNG14AG	G 1/4 male	22	43.0	27.0	8.0
129967	SEKMSNG38AG	G 3/8 male	22	44.0	27.0	9.0
129968	SEKMSNG12AG	G 1/2 male	24	45.5	27.0	10.5

Safety coupling DN 7.8, female

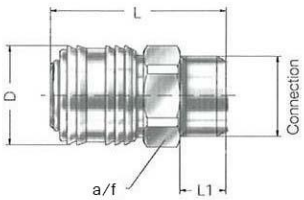
Art. No.	Type No.	Connection	a/f mm	L mm	D mm	L1 mm
129969	SEKMSNG14IG	G 1/4 female	22	48.0	27.0	12.0
129970	SEKMSNG38IG	G 3/8 female	22	48.0	27.0	12.0
129971	SEKMSNG12IG	G 1/2 female	24	51.0	27.0	14.0

Safety coupling DN 7.8, with hose stem

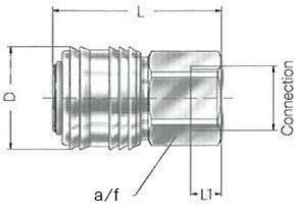
Art. No.	Type No.	Connection	a/f mm	L mm	D mm	L1 mm
129972	SEKMSNLW6	Stem I.D. 6	22	58.0	27.0	23.5
129973	SEKMSNLW8	Stem I.D. 8	22	58.0	27.0	23.5
129974	SEKMSNLW9	Stem I.D. 9	22	58.0	27.0	23.5
129975	SEKMSNLW10	Stem I.D. 10	22	58.0	27.0	23.5
129976	SEKMSNLW13	Stem I.D. 13	22	58.0	27.0	23.5

Safety couplings DN 7.8

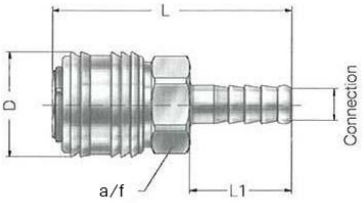
Art. No. 129966 to 129976



male



female



hose stem

Stem for couplings DN 7.2 - DN 7.8, hardened, galvanised steel

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

Plug for couplings DN 7.2 - DN 7.8, hardened, galvanised steel, male

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

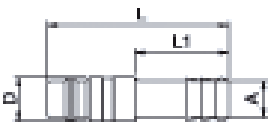
Plug for couplings DN 7.2 - DN 7.8, hardened, galvanised steel, female

Art. No.	Type. No.	Designation	a/f mm	L mm	D mm	L1 mm
107550	243.54 ST	Plug, G 1/8 female	14	30.0	-	10.0
107551	243.55 ST	Plug, G 1/4 female	17	38.5	-	16.0
107552	243.56 ST	Plug, G 3/8 female	19	39.0	-	16.0
107553	243.57 ST	Plug, G 1/2 female	24	44.0	-	16.0

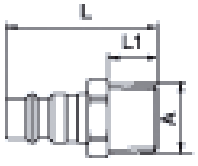
243.06 ST

243.50 ST

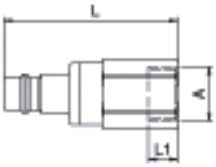
243.55 ST



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.

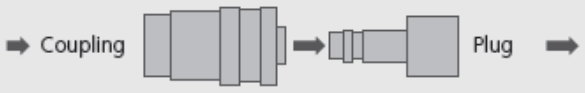
Replacement intervals for quick-connect couplings must, if available, be adapted to the state or technical standards. However, also operating experiential values, which result from the required operational safety and the conditions of use, such as downtimes, coupling frequency, Max. operating pressure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