

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 to 35 bar, maximum static working pressure (non-pulsating)

Medium and ambient temperature: -10 °C to 60 °C

Flow rate (air): 1100 l/min (at $\Delta p = 0.5$ bar)

Housing, sleeve and body: Nickel-plated brass

Springs, balls: Stainless steel

Sealant: NBR



249.94



249.98



249.103

Safety coupling DN 7.8, male

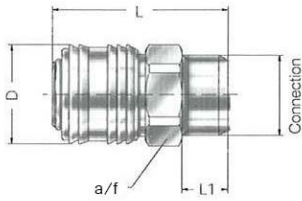
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
249.92	107530	G 1/4 male	22	44.0	28.0	9.0
249.93	107531	G 3/8 male	22	44.0	28.0	9.0
249.94	107532	G 1/2 male	24	47.0	28.0	12.0

Safety coupling DN 7.8, female

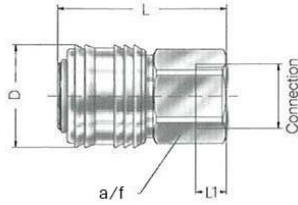
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
249.96	107533	G 1/4 female	22	46.0	28.0	9.0
249.97	107534	G 3/8 female	22	46.0	28.0	9.0
249.98	107535	G 1/2 female	24	49.0	28.0	12.0

Safety coupling DN 7.8, with hose stem

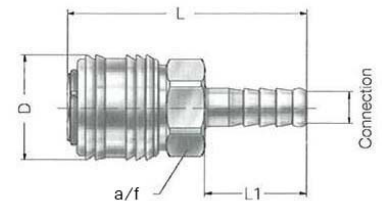
Type No.	Art. No.	Connection	a/f mm	L mm	D mm	L1 mm
249.101	107536	Stem I.D. 6	22	60.0	28.0	25.0
249.102	107537	Stem I.D. 8	22	60.0	28.0	25.0
249.103	107538	Stem I.D. 9	22	60.0	28.0	25.0
249.104	107539	Stem I.D. 10	22	60.0	28.0	25.0
249.105	107540	Stem I.D. 13	22	60.0	28.0	25.0



male



female



hose stem

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

Type No.	Art. No.	Designation	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.	Art. No.	Designation	a/f mm	L mm	D mm	L1 mm
243.49 ST	107546	Plug, G 1/8 male	13	33.0	-	9.0
243.50 ST	107547	Plug, G 1/4 male	17	33.0	-	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.	Art. No.	Designation	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	38.5	-	16.0
243.56 ST	107552	Plug, G 3/8 female	19	39.0	-	16.0
243.57 ST	107553	Plug, G 1/2 female	24	44.0	-	16.0



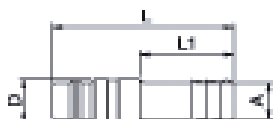
243.06 ST



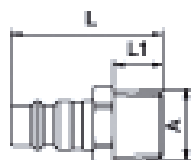
243.50 ST



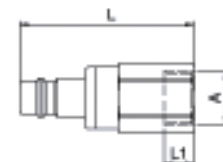
243.55 ST



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.