



»R25ST« series

Single-sided blocking, high quality and robust quick connect coupling for high flow values.

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, mining.

Operating pressure	0 - 35 bar
Medium temperature	-20 °C to 100 °C
Ambient temperature	-20 °C to 100 °C
Flow rate	2000 l/min (air)
Flow rate measurement	at 6 bar and $\Delta p = 0.5$ bar
Housing	Galvanised steel
Valve	Die-cast zinc (zamac)
Spring	Stainless steel
Sleeve	Galvanised steel
Ball	Stainless steel
Threaded piece	Galvanised steel
Sealant	NBR

### Quick disconnect coupling DN 7.8, galvanised steel, male

Art. No.	Type No.	Connection	Length mm	a/f mm
141512	244.61-E	R 1/4 ET	59.0	19
141513	244.62-E	R 3/8 ET	61.0	19
141514	244.63-E	R 1/2 ET	55.0	22

### Quick disconnect coupling DN 7.8, galvanised steel, female

Art. No.	Type No.	Connection	Length mm	a/f mm
141515	244.71-E	G 1/4 IT	54.0	19
141516	244.72-E	G 3/8 IT	54.0	19
141517	244.73-E	G 1/2 IT	56.0	24

### Quick disconnect coupling DN 7.8, galvanised steel, with hose stem

Art. No.	Type No.	Connection	Length mm	a/f mm
141518	244.81-E	Stem, I.D. 6	70.0	19
141519	244.82-E	Stem, I.D. 8	70.0	19
141520	244.85-E	Stem, I.D. 9	70.0	19
141521	244.83-E	Stem, I.D. 10	70.0	19
141522	244.84-E	Stem, I.D. 13	70.0	19

**Quick disconnect coupling DN 7.8, galvanised steel, with hose connector**

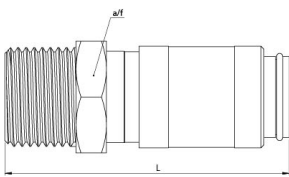
Art. No.	Type No.	Connection	Length mm	a/f mm
141523	244.90-E	Hose connection 8x6	61.0	19
141524	244.91-1-E	Hose connection 10x8	64.0	19
141525	244.92-1-E	Hose connection 12x9	64.0	19

**Quick disconnect coupling DN 7.8, galvanised steel, with bulkhead fitting and hose stem**

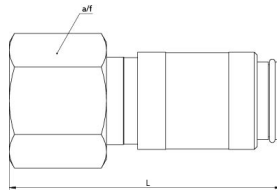
Art. No.	Type No.	Bulkhead fitting	Connection	Length mm	a/f mm
141529	244.51-E	M12x1	Stem, I.D. 6	79.0	19
141530	244.52-E	M12x1	Stem, I.D. 8	79.0	19
141531	244.53-E	G 1/4	Stem, I.D. 10	79.0	19

**Quick disconnect coupling DN 7.8, galvanised steel, with hose connector, with swivel nut and kink protector spring**

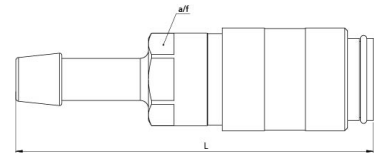
Art. No.	Type No.	Version	Connection	Length mm	a/f mm
141526	244.41-E	Rigid	Hose connection 8x6	143.0	19
141527	244.42-E	Rigid	Hose connection 10x8	160.0	19
141528	244.43-E	Rigid	Hose connection 12x9	160.0	19



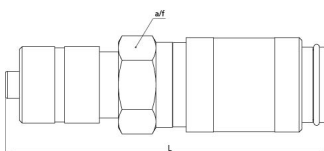
244.62-E



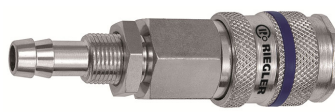
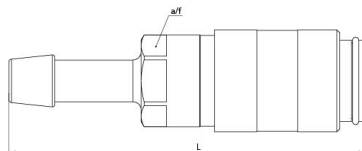
244.72-E



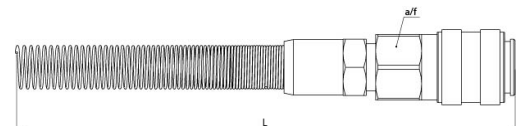
244.83-E



244.91-1-E



244.52-E



244.42-E

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

Art. No.	Type No.	Description	Length mm
141532	244.571	Stem, I.D. 6	46.0
141533	244.572	Stem, I.D. 8	46.0
141534	244.573	Stem, I.D. 9	46.0
141535	244.574	Stem, I.D. 10	48.0
141536	244.575	Stem, I.D. 13	48.0
141537	244.576	Stem, I.D. 16	48.0

### Plug for couplings DN 7.2 - DN 7.8, galvanised steel, male with thread coating

Art. No.	Type No.	Description	Length mm	a/f mm
141545	244.560	Plug, R 1/8 ET	33.0	13
141546	244.561	Plug, R 1/4 ET	37.0	14
141547	244.562	Plug, R 3/8 ET	37.0	17
141548	244.563	Plug, R 1/2 ET	43.0	22

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

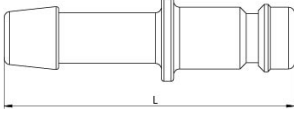
Art. No.	Type No.	Description	Length mm	a/f mm
141549	244.550	Plug, G 1/8 IT	32.0	14
141550	244.551	Plug, G 1/4 IT	33.0	17
141551	244.552	Plug, G 3/8 IT	33.0	19
141552	244.553	Plug, G 1/2 IT	36.0	24

### Plug for couplings DN 7.2 - DN 7.8, galvanised steel, for hose

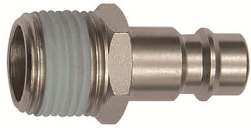
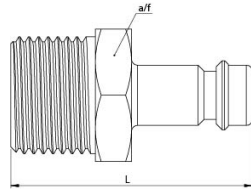
Art. No.	Type No.	Description	Length mm	a/f mm
141538	244.580	Plug for hose 6x4	34.0	12
141539	244.581	Plug for hose 8x6	33.0	14
141540	244.583	Plug for hose 10x8	42.0	17
141541	244.585	Plug for hose 12x9	42.0	14

### Plug for couplings DN 7.2 - DN 7.8, galvanised steel, for hose with kink protector spring

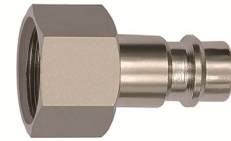
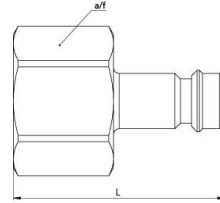
Art. No.	Type No.	Description	Length mm	a/f mm
158818	244.590	for hose 6x4 with kink protector spring	111.0	12
141542	244.591	for hose 8x6 with kink protector spring	116.0	14
141543	244.592	for hose 10x8 with kink protector spring	140.0	19
141544	244.593	for hose 12x9 with kink protector spring	142.0	17



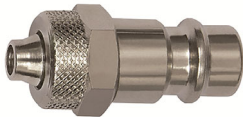
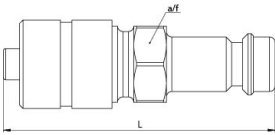
244.574



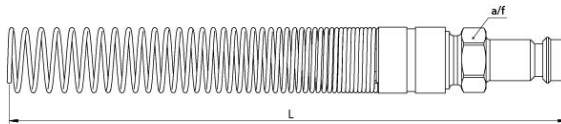
244.562



244.552



244.581



244.593

## 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.

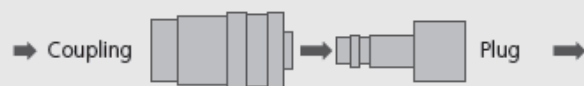
**Replacement intervals** for quick-connect couplings must, if available, be adapted to the state or technical standards. However, also operating experiential values, which result from the required operational safety and the conditions of use, such as downtimes, coupling frequency, Max. operating pressure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