»R-SV1UV« series, 2-stage

High quality, robust and long lifetime one-hand rotation secure coupling.
A secure connection is made by pushing in the plug-in nipple that clicks in audibly. Uncoupling is done by rotating the sleeve anti-clockwise. For this, the pending pressure in the coupling and line are vented, however the plug-in nipple is not completely released via a safety latch. The plug-in nipple can only be pulled out after a clockwise rotation of the sleeve.
The colour and shape coding of the coupling and plug-in nipple makes it possible only to couple to the same colours.

This coupling meets ISO standard DIN EN ISO 4414, EN 983.

Areas of application: Pneumatic system, machine and plant engineering, measurement, monitoring and control systems, manufacturing industry, workshops, automotive, mining.

Operating pressure	max. 25 bar / max. 16 bar when attaching / detaching
Temperature range	-15 °C to 200 °C
Flow rate	630 l/min (air)
Flow rate measurement	at 6 bar and Δp = 0.5 bar
Housing	Steel, QPQ treated
Valve	Polyphenylene sulfide (PPS)
Spring	Stainless steel
Sleeve	Galvanised steel, painted colored
Threaded piece	Galvanised steel
Sealant	FKM
Plug profile	acc. ISO 6150 C

Non-interchangeable swivel safety coupling DN 6, acc. ISO 6150 C, steel, 2-stage

Art. No.	Type No.	Connection	Colour	Length mm	a/f mm
141851	426.21-DREH-R	Stem, I.D. 6	Red	75.0	22
141852	426.22-DREH-R	Stem, I.D. 8	Red	75.0	22
141853	426.24-DREH-R	Stem, I.D. 10	Red	75.0	22
141849	426.11-DREH-R	G 1/4 ET	Red	64.0	22
141850	426.12-DREH-R	G 3/8 ET	Red	64.0	22
141846	426.01-DREH-R	G 1/4 IT	Red	67.0	22
141847	426.02-DREH-R	G 3/8 IT	Red	67.0	22
141848	426.03-DREH-R	G 1/2 IT	Red	67.0	24
141864	426.21-DREH-GE	Stem, I.D. 6	Yellow	75.0	22
141865	426.22-DREH-GE	Stem, I.D. 8	Yellow	75.0	22
141866	426.24-DREH-GE	Stem, I.D. 10	Yellow	75.0	22
141862	426.11-DREH-GE	G 1/4 ET	Yellow	64.0	22
141863	426.12-DREH-GE	G 3/8 ET	Yellow	64.0	22
141859	426.01-DREH-GE	G 1/4 IT	Yellow	56.0	22
141860	426.02-DREH-GE	G 3/8 IT	Yellow	65.0	22
141861	426.03-DREH-GE	G 1/2 IT	Yellow	67.0	24

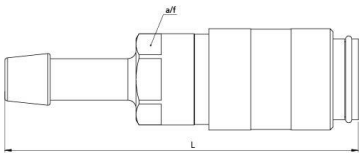
Non-interchangeable swivel safety couplings DN 6, acc. ISO 6150 C

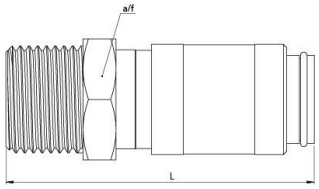
Art. No. 141851 to 141920

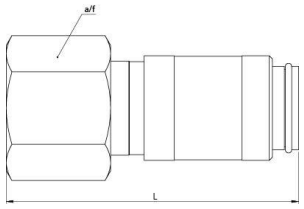
RIEGLER

Non-interchangeable swivel safety coupling DN 6, acc. ISO 6150 C, steel, 2-stage

Art. No.	Type No.	Connection	Colour	Length mm	a/f mm
141877	426.21-DREH-GR	Stem, I.D. 6	Gray	75.0	22
141878	426.22-DREH-GR	Stem, I.D. 8	Gray	75.0	22
141879	426.24-DREH-GR	Stem, I.D. 10	Gray	75.0	22
141875	426.11-DREH-GR	G 1/4 ET	Gray	64.0	22
141876	426.12-DREH-GR	G 3/8 ET	Gray	64.0	22
141872	426.01-DREH-GR	G 1/4 IT	Gray	56.0	22
141873	426.02-DREH-GR	G 3/8 IT	Gray	65.0	22
141874	426.03-DREH-GR	G 1/2 IT	Gray	67.0	24
141890	426.21-DREH-B	Stem, I.D. 6	Blue	75.0	22
141891	426.22-DREH-B	Stem, I.D. 8	Blue	75.0	22
141892	426.24-DREH-B	Stem, I.D. 10	Blue	75.0	28
141888	426.11-DREH-B	G 1/4 ET	Blue	64.0	22
141889	426.12-DREH-B	G 3/8 ET	Blue	64.0	22
141885	426.01-DREH-B	G 1/4 IT	Blue	56.0	22
141886	426.02-DREH-B	G 3/8 IT	Blue	65.0	22
141887	426.03-DREH-B	G 1/2 IT	Blue	67.0	24







426.21-DREH-R

426.11-DREH-R

426.01-DREH-GE

426.21-DREH-GR

426.12-DREH-GE

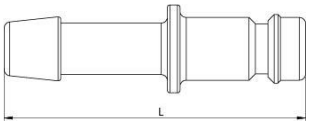
426.02-DREH-B

426.21-DREH-B

426.12-DREH-GR

Non-interchangeable stem DN 6, acc. ISO 6150 C, stainless steel, 2-stage

Art. No.	Type No.	Description	Colour	Length mm
141856	426.71-R	Stem, I.D. 6	Red	56.0
141857	426.72-R	Stem, I.D. 8	Red	56.0
141858	426.74-R	Stem, I.D. 10	Red	56.0
141869	426.71-GE	Stem, I.D. 6	Yellow	56.0
141870	426.72-GE	Stem, I.D. 8	Yellow	56.0
141871	426.74-GE	Stem, I.D. 10	Yellow	56.0
141882	426.71-GR	Stem, I.D. 6	Gray	56.0
141883	426.72-GR	Stem, I.D. 8	Gray	56.0
141884	426.74-GR	Stem, I.D. 10	Gray	55.0
141895	426.71-B	Stem, I.D. 6	Blue	56.0
141896	426.72-B	Stem, I.D. 8	Blue	56.0
141897	426.74-B	Stem, I.D. 10	Blue	56.0




426.72-R

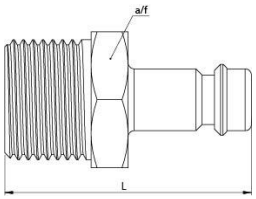

426.72-GE


426.71-GE


426.71-B

Non-interchangeable plug DN 6, acc. ISO 6150 C, stainless steel, 2-stage

Art. No.	Type No.	Description	Colour	Length mm
141854	426.60-R	Plug, G 1/8 ET	Red	43.0
141855	426.61-R	Plug, G 1/4 ET	Red	47.0
141867	426.60-GE	Plug, G 1/8 ET	Yellow	43.0
141868	426.61-GE	Plug, G 1/4 ET	Yellow	47.0
141880	426.60-GR	Plug, G 1/8 ET	Gray	43.0
141881	426.61-GR	Plug, G 1/4 ET	Gray	47.0
141893	426.60-B	Plug, G 1/8 ET	Blue	43.0
141894	426.61-B	Plug, G 1/4 ET	Blue	47.0




426.61-R


426.60-GR


426.60-GE

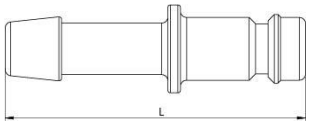

426.60-B

Non-interchangeable swivel safety couplings DN 6, acc. ISO 6150 C

Art. No. 141851 to 141920

Non-interchangeable stem DN 6, acc. ISO 6150 C, with check valve, stainless steel, 2-stage

Art. No.	Type No.	Description	Colour	Length mm
141902	426.71-R-RSV	Stem, I.D. 6	Red	100.0
141903	426.72-R-RSV	Stem, I.D. 8	Red	100.0
141904	426.74-R-RSV	Stem, I.D. 10	Red	100.0
141909	426.71-GE-RSV	Stem, I.D. 6	Yellow	100.0
141910	426.72-GE-RSV	Stem, I.D. 8	Yellow	100.0
141911	426.74-GE-RSV	Stem, I.D. 10	Yellow	100.0
141916	426.71-GR-RSV	Stem, I.D. 6	Gray	100.0
141917	426.72-GR-RSV	Stem, I.D. 8	Gray	100.0
141918	426.74-GR-RSV	Stem, I.D. 10	Gray	100.0
141923	426.71-B-RSV	Stem, I.D. 6	Blue	100.0
141924	426.72-B-RSV	Stem, I.D. 8	Blue	100.0
141925	426.74-B-RSV	Stem, I.D. 10	Blue	100.0



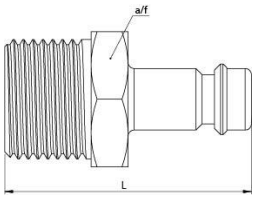
426.72-R-RSV

426.72-GE-RSV

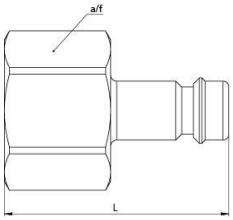
426.71-GR-RSV

Non-interchangeable plug DN 6, acc. ISO 6150 C, with check valve, stainless steel, 2-stage

Art. No.	Type No.	Description	Colour	Length mm	a/f mm
141900	426.61-R-RSV	Plug, G 1/4 ET	Red	90.0	17
141901	426.62-R-RSV	Plug, G 3/8 ET	Red	90.0	19
141898	426.51-R-RSV	Plug, G 1/4 IT	Red	90.0	19
141899	426.52-R-RSV	Plug, G 3/8 IT	Red	90.0	19
141907	426.61-GE-RSV	Plug, G 1/4 ET	Yellow	90.0	14
141908	426.62-GE-RSV	Plug, G 3/8 ET	Yellow	90.0	19
141905	426.51-GE-RSV	Plug, G 1/4 IT	Yellow	90.0	19
141906	426.52-GE-RSV	Plug, G 3/8 IT	Yellow	90.0	19
141914	426.61-GR-RSV	Plug, G 1/4 ET	Gray	90.0	17
141915	426.62-GR-RSV	Plug, G 3/8 ET	Gray	90.0	19
141912	426.51-GR-RSV	Plug, G 1/4 IT	Gray	90.0	19
141913	426.52-GR-RSV	Plug, G 3/8 IT	Gray	90.0	19
141921	426.61-B-RSV	Plug, G 1/4 ET	Blue	90.0	17
141922	426.62-B-RSV	Plug, G 3/8 ET	Blue	90.0	19
141919	426.51-B-RSV	Plug, G 1/4 IT	Blue	90.0	19
141920	426.52-B-RSV	Plug, G 3/8 IT	Blue	90.0	19



426.62-GR-RSV



426.52-GE-RSV

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.

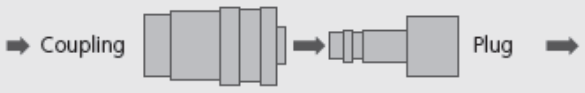
Replacement intervals for quick-connect couplings must, if available, be adapted to the state or technical standards. However, also operating experiential values, which result from the required operational safety and the conditions of use, such as downtimes, coupling frequency, Max. operating pressure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