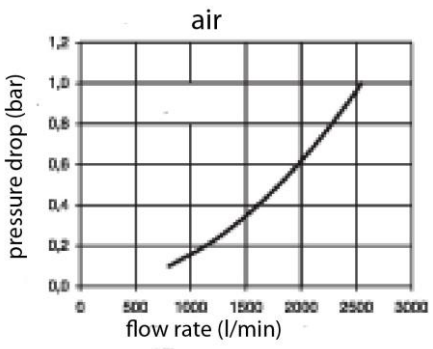
»R26UV« series

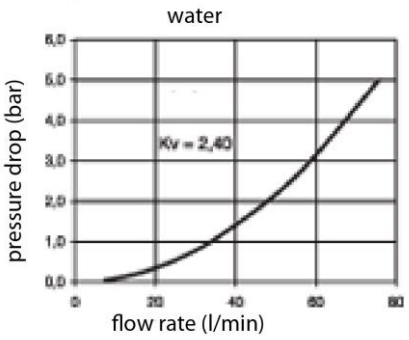
One-hand quick disconnect couplings with a large bore.
Different media can be connected safely and non-interchangeably even when space is restricted, thanks to the colour-coded coupling and plug and the different coupling profiles defined for each of the four colours.
Only couplings and plugs of the same colour fit together

Areas of application: Pneumatic system, machine and plant engineering, measurement, monitoring and control systems, manufacturing industry, medical technology, chemical / pharmaceutical industry, automotive, food technology, aerospace.

Operating pressure	0 to 35 bar, maximum static working pressure (non-pulsating)
Medium temperature	-20 °C to 100 °C
Ambient temperature	-20 °C to 100 °C
Housing	Brass with a bare metal surface
Valve	Die-cast zinc, nickel-plated
Unlocking sleeve	Anodised aluminium
Springs	Stainless steel
Retaining ring	Stainless steel
Ball	Stainless steel
Sealant	NBR

Flow rates:



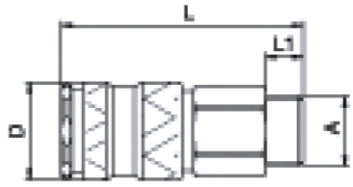


Non-interchangeable quick disconnect couplings DN 7.8

Art. No. 107661 to 107692

RIEGLER

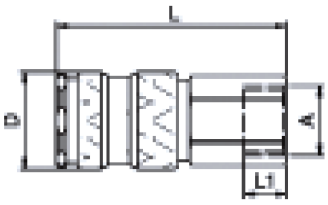
Non-interchangeable quick disconnect coupling DN 7.8							
Type No.	Art. No.	Connection	Colour	a/f mm	L mm	D mm	L1 mm
248.01	107661	G 1/4 male	green	19	57.7	23.1	9.0
248.02	107662	G 3/8 male	green	19	57.7	23.1	9.0
248.03	107663	G 1/4 female	green	19	55.5	23.1	10.0
248.04	107664	G 3/8 female	green	19	54.5	23.1	9.0
248.11	107665	G 1/4 male	brown	19	57.7	23.1	9.0
248.12	107666	G 3/8 male	brown	19	57.7	23.1	9.0
248.13	107667	G 1/4 female	brown	19	55.5	23.1	10.0
248.14	107668	G 3/8 female	brown	19	54.5	23.1	9.0
248.21	107669	G 1/4 male	blue	19	57.7	23.1	9.0
248.22	107670	G 3/8 male	blue	19	57.7	23.1	9.0
248.23	107671	G 1/4 female	blue	19	55.5	23.1	10.0
248.24	107672	G 3/8 female	blue	19	54.5	23.1	9.0
248.31	107673	G 1/4 male	red	19	57.7	23.1	9.0
248.32	107674	G 3/8 male	red	19	57.7	23.1	9.0
248.33	107675	G 1/4 female	red	19	55.5	23.1	10.0
248.34	107676	G 3/8 female	red	19	54.5	23.1	9.0



male


248.01


248.12



female

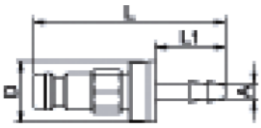

248.24


248.33

Subject technical changes.

Non-interchangeable stem and plug DN 7.8, brass with a bare metal surface

Type No.	Art. No.	Description	Colour	a/f mm	L mm	D mm	L1 mm
248.51	107677	Stem, I.D. 6	green	-	51.0	15.0	25.0
248.52	107678	Stem, I.D. 9	green	-	51.0	15.0	25.0
248.53	107679	Stem, I.D. 6	brown	-	51.0	15.0	25.0
248.54	107680	Stem, I.D. 9	brown	-	51.0	15.0	25.0
248.55	107681	Stem, I.D. 6	blue	-	51.0	15.0	25.0
248.56	107682	Stem, I.D. 9	blue	-	51.0	15.0	25.0
248.57	107683	Stem, I.D. 6	red	-	51.0	15.0	25.0
248.58	107684	Stem, I.D. 9	red	-	51.0	15.0	25.0
248.61	107685	Plug G 1/4 male	green	17	37.0	-	9.0
248.62	107686	Plug G 3/8 male	green	19	37.0	-	9.0
248.65	107687	Plug G 1/4 male	brown	17	37.0	-	9.0
248.66	107688	Plug G 3/8 male	brown	19	37.0	-	9.0
248.69	107689	Plug G 1/4 male	blue	17	37.0	-	9.0
248.70	107690	Plug G 3/8 male	blue	19	37.0	-	9.0
248.73	107691	Plug G 1/4 male	red	17	37.0	-	9.0
248.74	107692	Plug G 3/8 male	red	19	37.0	-	9.0



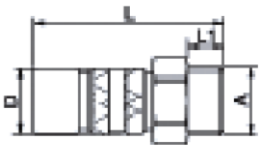
Stem

248.52

248.54

248.56

248.58



male

248.61

248.66

248.70

248.74

Non-interchangeable quick disconnect couplings DN 7.8

Art. No. 107661 to 107692

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.

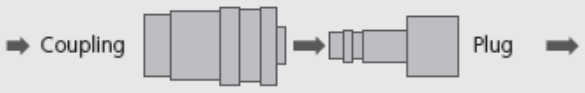
Replacement intervals for quick-connect couplings must, if available, be adapted to the state or technical standards. However, also operating experiential values, which result from the required operational safety and the conditions of use, such as downtimes, coupling frequency, Max. operating pressure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