

FAST MOVING TECHNOLOGY

STÄUBLI

RBE quick-release couplings

All fluids | Modular range



The right solution...





... for all of your applications

Applications

- Gas: hydrogen, argon, nitrogen, helium...
- Steam
- Solvents
- Liquids
- High pressure
- Process vacuum...

In all industrial and research sectors.

Optimum safety

through the design of the product, the quality of the materials used and the right seal type for the fluid being transported. This aspect is particularly important in circuits carrying corrosive gases and liquids.

Efficiency

RBE couplings for all fluids are highly efficient, giving optimum flow.

Modularity

The comprehensive, fully modular RBE range for all fluids offers a choice of 5 coupling sizes, 3 types of construction, 7 seal materials, 3 shut-offs, and numerous options.

It means that you can put together the right quick-release coupling for your application depending on the fluid characteristics (type, pressure, temperature) and the required flow rate.

Lasting Stäubli tightness

proven by over 50 years of industrial connections for fluids.

Tried and tested reliability and efficiency

The technology behind Stäubli couplings gives long service life at the lowest possible operating cost.

The speed and simplicity of push-button technology

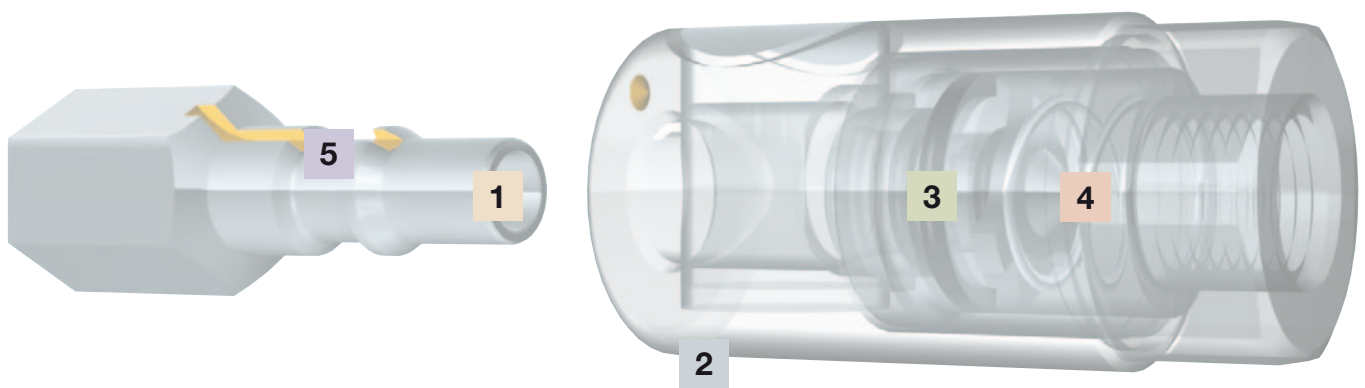
Connected and disconnected with one hand for greater ease of use:

- Connected by pushing the plug directly into the socket.
- Disconnected by pressing the locking button.

To meet the specific requirements of some industries, the RBE range also includes quick-release couplings:

- For heavy iron and steel applications involving oxygen, flammable gases and neutral gases (RBE11/UR).
- For nuclear remote handling (see leaflet RG100).

Five key steps to determine the right quick-release coupling for your application



1 Diameter (p.5)

5 coupling diameters available: 03 / 06 / 08 / 11 or 19 mm

2 Construction (p.5)

Low and medium pressure / high pressure or process vacuum

3 Seals (p. 6-7)

7 grades available: Nitrile / Fluorocarbon / Ethylene-Propylene / Perfluoroelastomer / Fluorosilicone / Chloroprene / PTFE

4 Shut-off (p. 7)

3 options: single / double or none (full flow)

5 Options (p. 8-9)

6 available: safety keys / coloured disks for recessed couplings / raised push-button lock / safety lock / dust guard / cap fixing

1 Flow diameter

5 coupling sizes: nominal Ø of 03, 06, 08, 11 or 19 mm.

2 Construction *

The type of construction selected depends on the fluid carried, the maximum operating pressure and the external environment.

Low and medium pressure

Air, various gases, oils, hydrocarbons... with no specific corrosion resistance requirements.

Max. working pressure: 50 bar

Mainly stainless steel with 17% chrome. Socket end connection: anti-corrosion treated steel

As standard: no code

Water, air, various gases, oils, hydrocarbons...

Max. working pressure: 50 bar

Mainly stainless steel with 17% chrome

Code IA
(IA/BF: without brass)

Various corrosive gases, sea water, a large number of chemicals... in a corrosive atmosphere.

Max. working pressure: 15 bar

Mainly stainless steel 316 series

Code IC

High pressure

High pressure liquids.

Max. working pressure: up to 450 bar depending on diameter and material series

stainless steel with 17% chrome and stainless steel 316 series

Code IA/HPL

High pressure gases.

Max. working pressure: up to 450 bar depending on diameter and material series

Plug body and lock: high strength stainless steel

stainless steel with 17% chrome and stainless steel 316 series

Code IA / HPG

High pressure liquids and gases, with specific decontamination and corrosion resistance requirements.

Max. working pressure: up to 450 bar depending on diameter and material series

Plug body and lock: high strength stainless steel

Mainly stainless steel 316 series

Code IC / HPI

Process vacuum

Recommended for a process vacuum up to 10^{-3} torr and for all applications requiring a high degree of tightness.

Vacuum tightness: $1 \cdot 10^{-3}$ N.cm³/s. in connected and disconnected position.

For even more stringent requirements, please ask us.

Internal parts: mainly stainless steel 316 series

Code IA/W

* All springs are in stainless steel with 18% chrome.

For optimum performance, sockets and plugs with the same construction must be used.

Socket	Full flow plug	Auto shut-off plug
standard	standard	standard or IA
IA	standard	IA
IC	IC	IC
IA / HPL	HPL	IA / HPL
IA / HPG	HPG	IA / HPG
IC / HPI	IC / HPI	IC / HPI
IA / W	standard	IA / W
IC / W	IC	IC / W

For **hydraulic applications**, use our flat-face SPX couplings (see leaflet RF125).

For **hydraulic circuits with pulsating or vibrating flow**, use our HPX quick-release couplings (see leaflet RF150).

3

Seals

The seal material selected depends on the fluid carried, the working temperature and the maximum working pressure.

Material	Code	Minimum and maximum allowable temperatures TS (°C)	Applications
Nitrile (NBR)	standard	-15 and +100	- General applications - High mechanical strength
Fluorocarbon (FPM)	JV	-10 and +200	- Good chemical resistance - Outstanding resistance to high temperatures up to 200 °C - Resistance to mineral oils, synthetic hydraulic oils, fuels, chemicals, hydrocarbons and coolants
Ethylene-propylene (EPDM)	JE	-20 and +150	- Excellent resistance to high temperatures - Compatible with phosphate-based brake fluids - esters, hot and cold water, steam
Perfluoroelastomer (FFKM)	JK	0 and +250	- Combines the qualities of an elastomer with the chemical resistance of PTFE - Remarkable resistance to heat and most chemical agents - Coolants
Fluorosilicone (FMQ)	JS3	-45 and +175	Max. working pressure: 50 bar - Good resistance to low and high temperatures - Resistance to mineral oils, fuels
PTFE (not available on 3 and 8 mm diameters)	JT*	-50 and +200	Max. working pressure: 80 bar - Excellent chemical resistance - Very good resistance to low and high temperatures - Superior performance to elastomers.
Chloroprene (CR)	JC	-40 and +100	Good resistance to ageing and refrigerants

* Only available on IA and IC auto-shut-off sockets et plugs.
Full flow plugs: add code /JT to the selected part-number.

To design the best solution for your application, we recommend that you give us the following information:

- type of fluid
- pressure
- temperature
- concentration of salts and acids in aqueous solutions
- specific operating conditions

KES sealing kit



KES sealing kits consist of a retaining ring and an O-ring to create a perfect seal between the socket or the plug and its holder. Part-numbers that are compatible with this option are indicated by the

symbol  in the part-number tables on p. 14 to 25.

KES sealing kits must be ordered separately.

Please do not hesitate to contact our technician for advice.

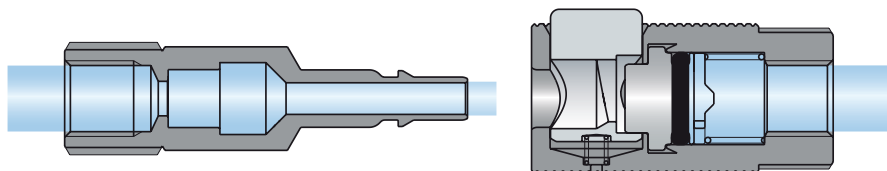
Our experience as a quick-release coupling specialist is at your disposal.

Select the ring and seal materials depending on your application, using our new documentation RP003.



4 Shut-off

Single shut-off



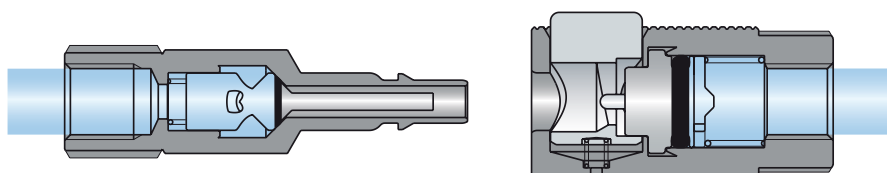
Socket with automatic shut-off
Full flow plug

Socket: **standard**
Plug: **full flow**

Recommended for:

- Non-aggressive fluids
- Non-polluting products
- Non-hazardous gases
- Applications requiring decompression of the downstream line

Double shut-off



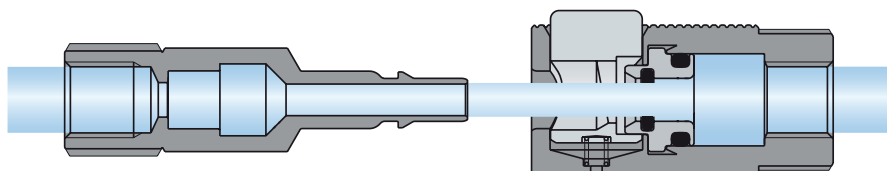
Socket and plug with automatic shut-off

Socket: **code OD**
Plug: **shut-off valve**

Recommended for:

- Low and high pressure oil circuits
- Hazardous, aggressive or polluting gases or products
- Minimising spillage

No shut-off (full flow)



Full flow socket and plug

Socket: **code OS**
Plug: **full flow**

Recommended for:

- Non-aggressive fluids
- Slurries
- Salt water, lime water or untreated mains water
- Non-polluting products
- Non-hazardous gases
- Gives a higher flow rate for the same flow diameter

5

Options

7 safety keys

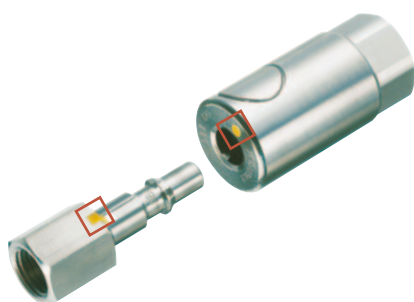
They prevent any mistaken connection of different gases or liquids and enable methodical identification of circuits.

Mechanical interlock

2 grooves machined into the plug (key) line up with two stubs on the socket (key).

Visual identification

by coloured marks on the plug and socket.



Yellow	180°		Code 0
Purple	165°		Code 15*
Red	150°		Code 3
Green	135°		Code 45

Blue	120°		Code 6
Brown	105°		Code 75*
Black	90°		Code 9

* Safety keys unavailable on all diameters: consult us

Safety keys also available on recessed couplings:

by coloured marks on the plug and socket.

- **Standard and IA construction:**
disc supplied as standard in the colour of the key.



- **IC construction:**
grey disc as standard, but a disc that matches the colour of the key only can be ordered, specifying the colour code in the part-number (see below).

- **For heavy iron and steel applications involving gases**
we also offer the **RBE 11/UR** quick-release couplings with **stud safety keys**.



Coloured disks for recessed couplings

For immediate visual identification of circuits.



Yellow	code DKJ
Purple	code DKW
Red	code DKR
Green	code DKV

Blue	code DKB
Brown	code DKM
Black	code DKN

Safety lock



Code VS

To unlock:

- push back the cover
- press the lock

Not available on IC construction and not available on RBE 03.

Raised push-button lock



Code VD

Recommended for frequent unlocking or if protective gloves are worn.

Dust guard



Code VD / PP

When coupled, the chloroprene (CR) guard protects the working parts of the coupling against the ingress of dust and other matter.

Must be fitted with raised push-button lock, code VD.

Minimum and maximum allowable temperatures TS (°C): -20 and +100

Not available on RBE 03.

Fixing for protective cap



Code FB

Protective cap to be ordered separately: see page 27.

Other options are also available: please ask us:

- **DG:** degreasing of metal components.
- **PE:** electropolishing for stainless steel components.
- **OX:** product prepared for use of oxygen.
- **FDA:** product prepared for compliance with FDA requirement.
- **USP:** product prepared for compliance with USP requirement.

Technical data



	RBE 03	RBE 06	RBE 08	RBE 11	RBE 19
Nominal diameter DN (mm)	3	5.5	8	11	19
Flow area (mm²)	7	23.75	50	95	283

Maximum allowable pressure PS (bar)

RBE coupling series	standard		IA		IA/HPL	IA /HPG	IC	IC /HPI
RBE 03	50	16 ⁽¹⁾	50	16 ⁽¹⁾	400	400	15 ⁽²⁾	400
RBE 06	50	16 ⁽¹⁾	50	16 ⁽¹⁾	450	450	15 ⁽²⁾	450
RBE 08	50	16 ⁽¹⁾	50	16 ⁽¹⁾	400	400	15 ⁽²⁾	400
RBE 11	50	16 ⁽¹⁾	50	16 ⁽¹⁾	350	350	15 ⁽²⁾	350
RBE 19	50	16 ⁽¹⁾	50	16 ⁽¹⁾	300	300	15 ⁽²⁾	300

(1) Connection for rubber hose and ear clamp or jubilee clip assembly: pressure up to 16 bar.

(2) For higher pressures, please refer to our RBL documentation.

For hazardous gases as defined in Directive 2014/68/EU, please ask us for the maximum allowable pressure PS.

Hydraulic flow rate in l/min at a velocity of 5 m/s

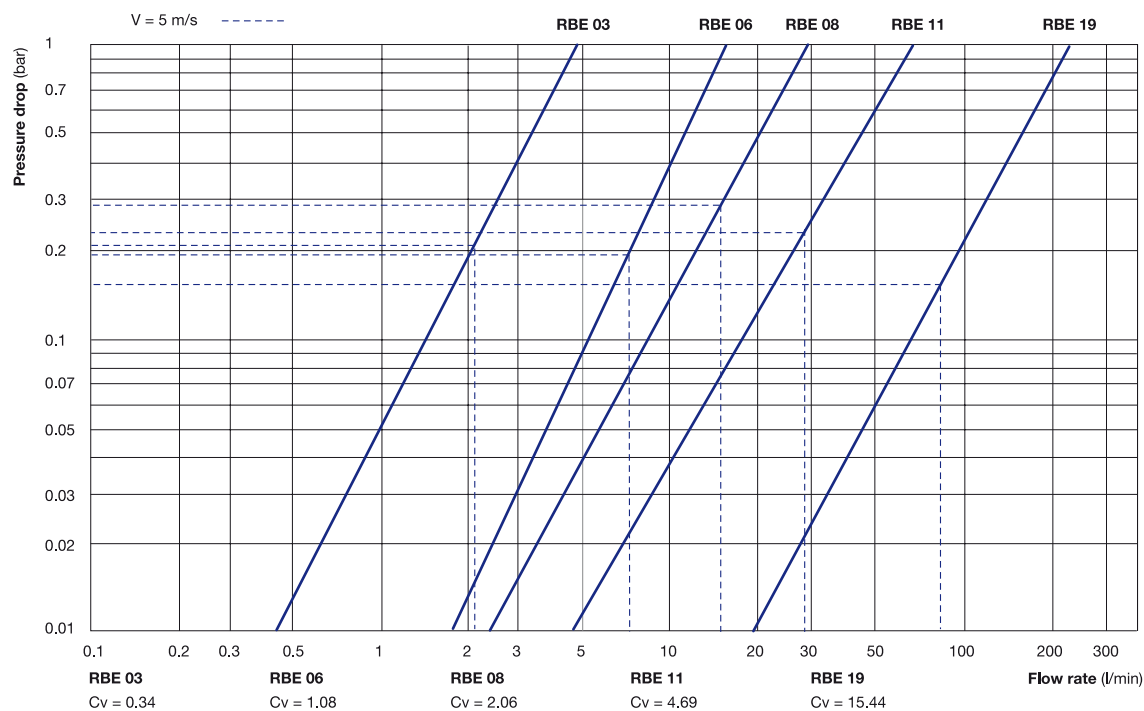
	RBE 03	RBE 06	RBE 08	RBE 11	RBE 19
Single shut-off	2.1	7.2	15.1	28.5	85
Double shut-off	1.5	5	12.2	24.8	76
No shut-off (full flow)	2.1	7.2	15.1	28.5	85

Pneumatic flow rate in Nm³/h for inlet pressure of 6 bar, pressure drop of 0.3 bar and temperature of 10 °C

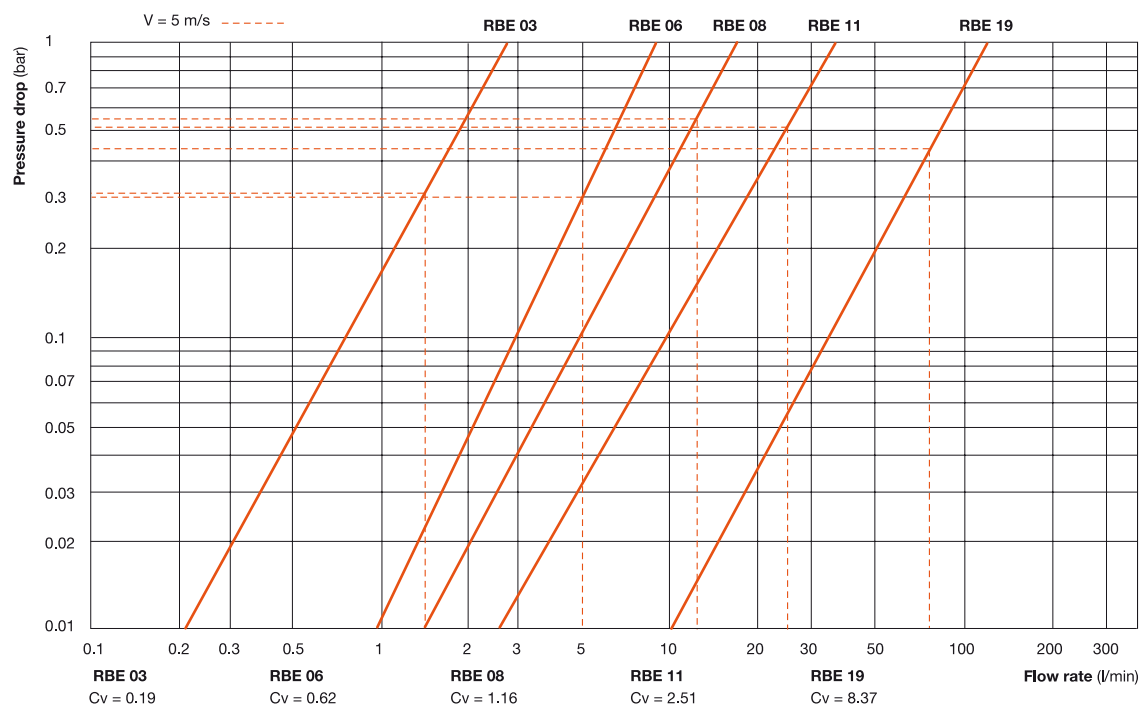
	RBE 03	RBE 06	RBE 08	RBE 11	RBE 19
Single shut-off	11	35	70	140	450
Double shut-off	6.5	18	45	90	240
No shut-off (full flow)	13	42	110	210	600

Flow rate/pressure drop hydraulic charts

1 Single shut-off circuit



2 Double shut-off circuit



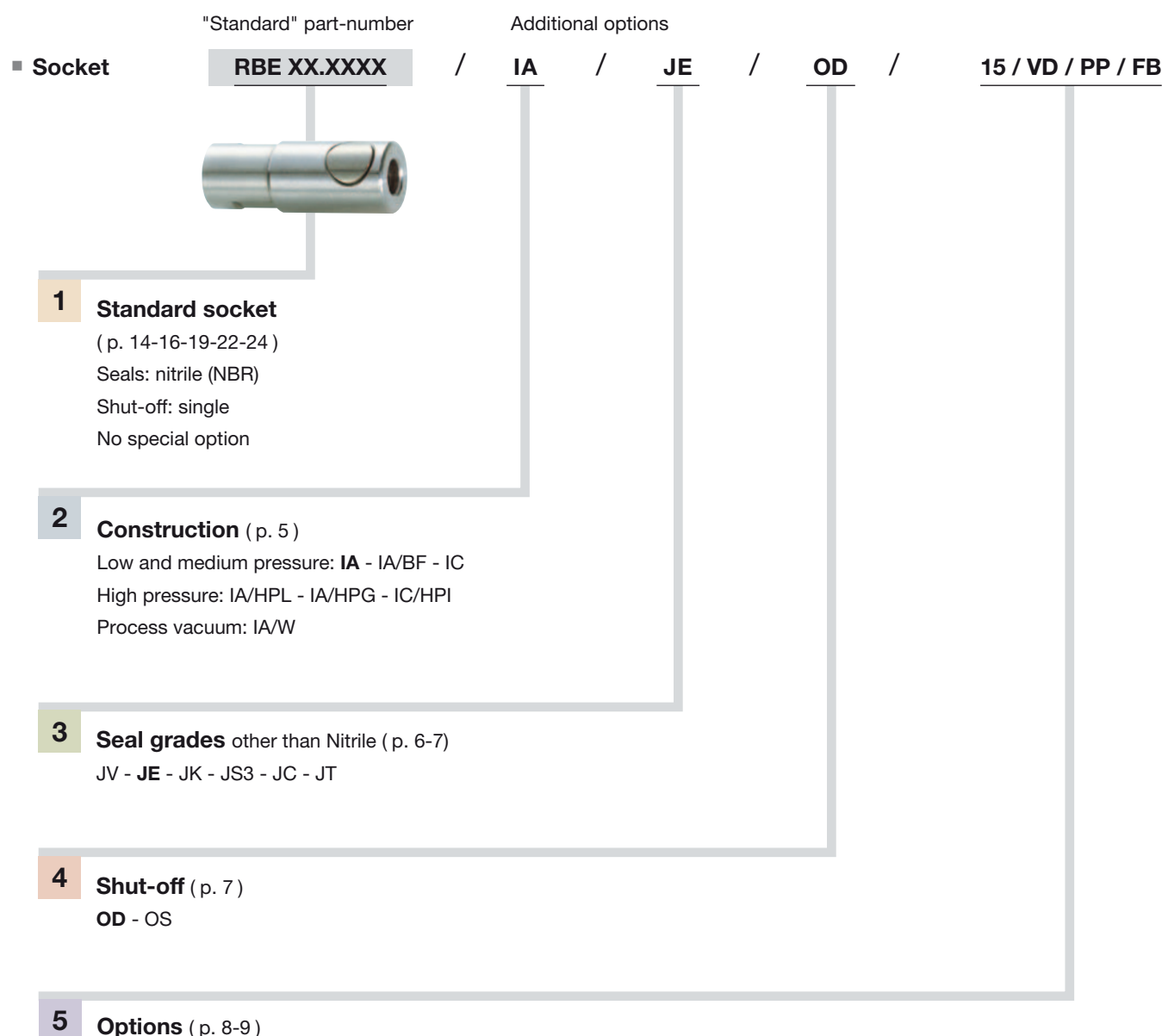
Test conditions:

- Fluid: water
- Direction of flow: socket → plug

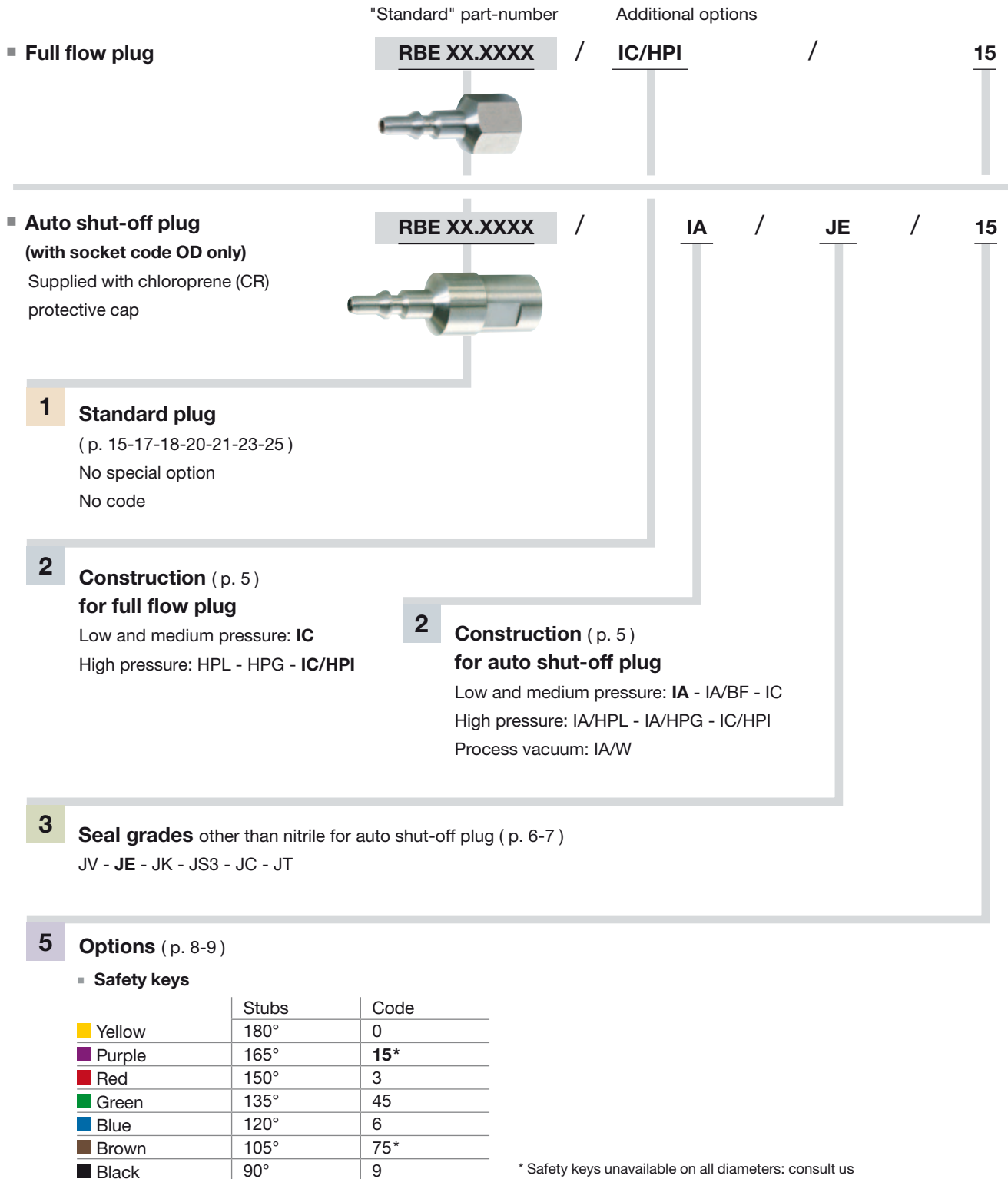
3D models and sizing plans are available on request



How to create your socket part-number



How to create your plug part-number

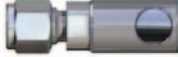


Part-numbers

RBE 03

Standard sockets

Panel mounted sockets

		Standard IA IA/HPL IA/HPG IC IC/HPI									
End connection		Part-numbers								Part-numbers	
Female thread											
	G 1/8	RBE 03.1100		☐	☐	☐	☐	☐	☐	RBE 03.2100	
	NPT 1/8	RBE 03.1200		☐	☐	☐	☐	☐	☐	RBE 03.2200	
	NPT 1/4	RBE 03.1201		☐	☐	☐	☐	☐	☐		
	UN 7/16 - 20 *	RBE 03.1311		☐	☐	☐	☐	☐	☐		
	* as per SAE J 1926										
Male thread											
	G 1/8	RBE 03.1150		☐	☐	☐	☐	☐	☐	RBE 03.2150	
	G 1/4	RBE 03.1151		☐	☐	☐	☐	☐	☐	RBE 03.2151	
	NPT 1/8	RBE 03.1250		☐	☐	☐	☐	☐	☐	RBE 03.2250	
	NPT 1/4	RBE 03.1251		☐	☐	☐	☐	☐	☐	RBE 03.2251	
For rubber hose											
	Ø 4 mm	RBE 03.1804		☐	☐			☐		RBE 03.2804	
	Ø 6 mm	RBE 03.1806		☐	☐			☐		RBE 03.2806	
For plastic pipe											
	Ø 4/6 mm	RBE 03.1904		☐	☐			☐		RBE 03.2904	
	Ø 6/8 mm	RBE 03.1906		☐	☐			☐		RBE 03.2906	
For copper pipe											
	Ø 4/6 mm	RBE 03.1704		☐						RBE 03.2704	
	Ø 6/8 mm	RBE 03.1706		☐						RBE 03.2706	
For calibrated stainless steel pipe* (double ring union) compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)											
	ext. Ø 6 mm	RBE 03.1766		☐	☐	☐	☐	☐	☐	RBE 03.2766	
	ext. Ø 8 mm	RBE 03.1768		☐	☐	☐	☐	☐	☐	RBE 03.2768	
	ext. Ø 1/4"	RBE 03.1753		☐	☐	☐	☐	☐	☐	RBE 03.2753	
Clamp profile pursuant to ISO 2852 and DIN 32676											
	Ø 25 mm	RBE 03.1025		☐	☐			☐			
	Ø 34 mm	RBE 03.1034		☐	☐			☐			
	Ø 50 mm	RBE 03.1050		☐	☐			☐			

Part-numbers

RBE 03

Full flow plugs

Auto shut-off plugs
supplied with chloroprene (CR)
protective cap (see p. 27)

supplied with chloroprene (CR) protective cap (see p. 27)																			
End connection			Part-numbers			Standard	HPL	HPG	IA	IA/HPL	IA/HPG	IC	IC/HPI	End connection			Part-numbers		
Female thread																			
	G 1/8	RBE 03.6100		■	■	■						■	■		G 1/8	RBE 03.7100			
	NPT 1/8	RBE 03.6200		■	■	■						■	■		NPT 1/8	RBE 03.7200			
				■				■	■	■	■	■	■		UN 7/16 - 20 *	RBE 03.7311			
	* as per SAE J 1926			■					■	■	■	■	■						
Male thread																			
	G 1/8	RBE 03.6150		■	■	■						■	■		G 1/8	RBE 03.7150			
	G 1/4	RBE 03.6151		■	■	■						■	■		G 1/4	RBE 03.7151			
	NPT 1/8	RBE 03.6250		■	■	■						■	■		NPT 1/8	RBE 03.7250			
	NPT 1/4	RBE 03.6251		■	■	■						■	■		NPT 1/4	RBE 03.7251			
			■					■	■	■	■	■	■		G 1/8	RBE 03.7150			
			■					■	■	■	■	■	■		G 1/4	RBE 03.7151			
			■					■	■	■	■	■	■		NPT 1/8	RBE 03.7250			
			■					■	■	■	■	■	■		NPT 1/4	RBE 03.7251			
For rubber hose																			
	Ø 4 mm	RBE 03.6804		■								■			Ø 4 mm	RBE 03.7804			
	Ø 6 mm	RBE 03.6806		■								■			Ø 6 mm	RBE 03.7806			
				■				■				■							
				■				■				■							
For plastic pipe																			
	Ø 4/6 mm	RBE 03.6904		■								■			Ø 4/6 mm	RBE 03.7904			
	Ø 6/8 mm	RBE 03.6906		■								■			Ø 6/8 mm	RBE 03.7906			
	Ø 8/10 mm	RBE 03.6908										■			Ø 8/10 mm	RBE 03.7908			
				■				■				■							
			■				■				■								
For copper pipe																			
	Ø 4/6 mm	RBE 03.6704		■								■			Ø 4/6 mm	RBE 03.7704			
	Ø 6/8 mm	RBE 03.6706		■								■			Ø 6/8 mm	RBE 03.7706			
				■				■				■							
				■				■				■							
For calibrated stainless steel pipe* (double ring union) compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)																			
	ext. Ø 6 mm	RBE 03.6766		■	■	■						■	■		ext. Ø 6 mm	RBE 03.7766			
	ext. Ø 8 mm	RBE 03.6768		■	■	■						■	■		ext. Ø 8 mm	RBE 03.7768			
	ext. Ø 1/4"	RBE 03.6753		■	■	■						■	■		ext. Ø 1/4"	RBE 03.7753			
												■	■						
											■	■							
Clamp profile pursuant to ISO 2852 and DIN 32676																			
	Ø 25 mm	RBE 03.6025										■			Ø 25 mm	RBE 03.7025			
	Ø 34 mm	RBE 03.6034										■			Ø 34 mm	RBE 03.7034			
	Ø 50 mm	RBE 03.6050										■			Ø 50 mm	RBE 03.7050			

■ **Protective caps and manifolds:** see p. 26-27.

Part-numbers

RBE 06

Standard sockets

Panel mounted sockets

			Standard IA IA/HPL IA/HPG IC IC/HPI						
End connection		Part-numbers						Part-numbers	
Female thread									
	G 1/8	RBE 06.1100 	■	■	■	■	■	RBE 06.2100 	
	G 1/4	RBE 06.1101 	■	■	■	■	■	RBE 06.2101 	
	G 3/8	RBE 06.1102 	■	■	■	■	■	RBE 06.2102 	
	G 1/2	RBE 06.1103	■	■	■	■	■	RBE 06.2103	
	Rc 1/4	RBE 06.1111	■	■	■	■	■	RBE 06.2111	
	NPT 1/8	RBE 06.1200	■	■	■	■	■	RBE 03.2200	
	NPT 1/4	RBE 06.1201	■	■	■	■	■	RBE 06.2201	
	NPT 3/8	RBE 06.1202	■	■	■	■	■	RBE 06.2202	
* as per SAE J 1926	NPT 1/2	RBE 06.1203	■	■	■	■	■	RBE 06.2203	
	UN 9/16 - 18 *	RBE 06.1314	■	■	■	■	■	RBE 06.2314	
Male thread									
	G 1/8	RBE 06.1150 	■	■	■	■	■	RBE 06.2150 	
	G 1/4	RBE 06.1151 	■	■	■	■	■	RBE 06.2151 	
	G 3/8	RBE 06.1152 	■	■	■	■	■	RBE 06.2152 	
	G 1/2	RBE 06.1153	■	■	■	■	■	RBE 06.2153	
	NPT 1/8	RBE 06.1250	■	■	■	■	■	RBE 06.2250	
	NPT 1/4	RBE 06.1251	■	■	■	■	■	RBE 06.2251	
	NPT 3/8	RBE 06.1252	■	■	■	■	■	RBE 06.2252	
NPT 1/2	RBE 06.1253	■	■	■	■	■	RBE 06.2253		
For rubber hose									
	Ø 6 mm	RBE 06.1806	■	■		■		RBE 06.2806	
	Ø 8 mm	RBE 06.1808	■	■		■		RBE 06.2808	
	Ø 10 mm	RBE 06.1810	■	■		■		RBE 06.2810	
	Ø 13 mm	RBE 06.1813	■	■		■		RBE 06.2813	
For plastic pipe									
	Ø 6/8 mm	RBE 06.1906	■	■		■		RBE 06.2906	
	Ø 8/10 mm	RBE 06.1908	■	■		■		RBE 06.2908	
For copper pipe									
	Ø 6/8 mm	RBE 06.1706	■	■				RBE 06.2706	
	Ø 8/10 mm	RBE 06.1708	■	■				RBE 06.2708	
For calibrated stainless steel pipe* (double ring union) compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)									
	ext. Ø 6 mm	RBE 06.1766		■	■	■	■	RBE 06.2766	
	ext. Ø 8 mm	RBE 06.1768		■	■	■	■	RBE 06.2768	
	ext. Ø 10 mm	RBE 06.1770		■	■	■	■	RBE 06.2770	
	ext. Ø 1/4"	RBE 06.1753		■	■	■	■	RBE 06.2753	
	ext. Ø 3/8"	RBE 06.1755		■	■	■	■	RBE 06.2755	
	ext. Ø 1/2"	RBE 06.1756		■	■	■	■	RBE 06.2756	
Clamp profile pursuant to ISO 2852 and DIN 32676									
	Ø 25 mm	RBE 06.1025				■			
	Ø 34 mm	RBE 06.1034				■			
	Ø 50 mm	RBE 06.1050				■			

Part-numbers

RBE 06

Full flow plugs

Auto shut-off plugs

supplied with chloroprene (CR)
protective cap (see p. 27)

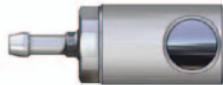
											supplied with chloroprene (CR) protective cap (see p. 27)		
End connection Part-numbers			Standard	HPL	HPG	IA	IA/HPL	IA/HPG	IC	IC/HPL	End connection Part-numbers		
Female thread													
	G 1/8	RBE 06.6100 	■	■	■				■	■		G 1/8	RBE 06.7100 
	G 1/4	RBE 06.6101	■	■	■				■	■		G 1/4	RBE 06.7101
	G 3/8	RBE 06.6102 	■	■	■				■	■		G 3/8	RBE 06.7102
	NPT 1/8	RBE 06.6200	■	■	■				■	■		Rc 1/4	RBE 06.7111
	NPT 1/4	RBE 06.6201	■	■	■				■	■		NPT 1/8	RBE 06.7200
	NPT 3/8	RBE 06.6202	■	■	■				■	■		NPT 1/4	RBE 06.7201
	M 14 x 125	RBE 06.6314	■									NPT 3/8	RBE 06.7202
	UN 9/16 - 20	RBE 06.6315	■									UN 9/16 - 18 *	RBE 06.7314
			■			■	■	■	■	■			
			■			■	■	■	■	■			
Male thread													
	G 1/8	RBE 06.6150 	■	■	■				■	■		G 1/8	RBE 06.7150 
	G 1/4	RBE 06.6151  *	■	■	■				■	■		G 1/4	RBE 06.7151 
	G 3/8	RBE 06.6152	■	■	■				■	■		G 3/8	RBE 06.7152 
	G 1/2	RBE 06.6153 	■	■	■				■	■		NPT 1/8	RBE 06.7250
	NPT 1/8	RBE 06.6250	■	■	■				■	■		NPT 1/4	RBE 06.7251
	NPT 1/4	RBE 06.6251	■	■	■				■	■		NPT 3/8	RBE 06.7252
	NPT 3/8	RBE 06.6252	■	■	■				■	■			
	M 14 x 125	RBE 06.6414	■										
	UN 9/16 - 20	RBE 06.6415	■										
	W 3/8 (With.)	RBE 06.6152/NW	■										
		■			■	■	■	■	■				
		■			■	■	■	■	■				
		■			■	■	■	■	■				
		■			■	■	■	■	■				
		■			■	■	■	■	■				
For rubber hose													
	Ø 4 mm	RBE 06.6804	■						■			Ø 6 mm	RBE 06.7806
	Ø 6 mm	RBE 06.6806	■						■			Ø 8 mm	RBE 06.7808
	Ø 8 mm	RBE 06.6808	■						■			Ø 10 mm	RBE 06.7810
	Ø 10 mm	RBE 06.6810	■						■			Ø 13 mm	RBE 06.7813
	Ø 13 mm	RBE 06.6813	■						■				
			■			■			■				
		■			■			■					
		■			■			■					
		■			■			■					
For plastic pipe													
	Ø 4/6 mm	RBE 06.6904	■						■			Ø 6/8 mm	RBE 06.7906
	Ø 6/8 mm	RBE 06.6906	■						■			Ø 8/10 mm	RBE 06.7908
	Ø 8/10 mm	RBE 06.6908	■						■				
		■			■			■					
		■			■			■					

Part-numbers

RBE 08

Standard sockets

Panel mounted sockets

				Standard IA IA/HPL IA/HPG IC IC/HPI						
End connection		Part-numbers						Part-numbers		
Female thread										
	G 1/4	RBE 08.1101		■	■	■	■	■	RBE 08.2101	
	G 3/8	RBE 08.1102		■	■	■	■	■	RBE 08.2102	
	G 1/2	RBE 08.1103		■	■	■	■	■	RBE 08.2103	
	Rc 3/8	RBE 08.1112		■	■	■	■	■	RBE 08.2112	
	NPT 1/4	RBE 08.1201		■	■	■	■	■	RBE 08.2201	
	NPT 3/8	RBE 08.1202		■	■	■	■	■	RBE 08.2202	
	NPT 1/2	RBE 08.1203		■	■	■	■	■	RBE 08.2203	
* as per SAE J 1926	UN 3/4 - 16 *	RBE 08.1319		■	■	■	■	■	RBE 08.2319	
Male thread										
	G 1/4	RBE 08.1151		■	■	■	■	■	RBE 08.2151	
	G 3/8	RBE 08.1152		■	■	■	■	■	RBE 08.2152	
	G 1/2	RBE 08.1153		■	■	■	■	■	RBE 08.2153	
	NPT 1/4	RBE 08.1251		■	■	■	■	■	RBE 08.2251	
	NPT 3/8	RBE 08.1252		■	■	■	■	■	RBE 08.2252	
	NPT 1/2	RBE 08.1253		■	■	■	■	■	RBE 08.2253	
For rubber hose										
	Ø 8 mm	RBE 08.1808		■	■			■	RBE 08.2808	
	Ø 10 mm	RBE 08.1810		■	■			■	RBE 08.2810	
	Ø 13 mm	RBE 08.1813		■	■			■	RBE 08.2813	
	Ø 16 mm	RBE 08.1816		■	■			■	RBE 08.2816	
For plastic pipe										
	Ø 8/10 mm	RBE 08.1908		■	■			■	RBE 08.2908	
	Ø 10/12 mm	RBE 08.1910		■	■				RBE 08.2910	
For copper pipe										
	Ø 8/10 mm	RBE 08.1708		■	■				RBE 08.2708	
	Ø 10/12 mm	RBE 08.1710		■	■				RBE 08.2710	
For calibrated stainless steel pipe* (double ring union) compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)										
	ext. Ø 10 mm	RBE 08.1770			■	■	■	■	RBE 08.2770	
	ext. Ø 12 mm	RBE 08.1772			■	■	■	■	RBE 08.2772	
	ext. Ø 3/8"	RBE 08.1755			■	■	■	■	RBE 08.2755	
	ext. Ø 1/2"	RBE 08.1756			■	■	■	■	RBE 08.2756	
Clamp profile pursuant to ISO 2852 and DIN 32676										
	Ø 25 mm	RBE 08.1025						■		
	Ø 34 mm	RBE 08.1034						■		
	Ø 50 mm	RBE 08.1050						■		

Part-numbers

RBE 08

Full flow plugs

Auto shut-off plugs

supplied with chloroprene (CR)
protective cap (see p. 27)

End connection		Part-numbers	Standard	HPL	HPG	IA	IA/HPL	IA/HPG	IC	IC/HPI	End connection	Part-numbers
Female thread												
	G 1/4	RBE 08.6101	■	■	■				■	■	G 1/4	RBE 08.7101
	G 3/8	RBE 08.6102	■	■	■				■	■	G 3/8	RBE 08.7102
	G 1/2	RBE 08.6103	■	■	■				■	■	G 1/2	RBE 08.7103
	NPT 1/4	RBE 08.6201	■	■	■				■	■	Rc 3/8	RBE 08.7112
	NPT 3/8	RBE 08.6202	■	■	■				■	■	NPT 1/4	RBE 08.7201
	NPT 1/2	RBE 08.6203	■	■	■				■	■	NPT 3/8	RBE 08.7202
			■			■	■	■	■	■	NPT 1/2	RBE 08.7203
			■			■	■	■	■	■	UN 3/4 - 16 *	RBE 08.7319
			■			■	■	■	■	■	* as per SAE J 1926	
			■			■	■	■	■	■		
			■			■	■	■	■	■		
Male thread												
	G 1/4	RBE 08.6151	■	■	■				■	■	G 1/4	RBE 08.7151
	G 3/8	RBE 08.6152	■	■	■				■	■	G 3/8	RBE 08.7152
	G 1/2	RBE 08.6153	■	■	■				■	■	G 1/2	RBE 08.7153
	NPT 1/4	RBE 08.6251	■	■	■				■	■	NPT 1/4	RBE 08.7251
	NPT 3/8	RBE 08.6252	■	■	■				■	■	NPT 3/8	RBE 08.7252
	NPT 1/2	RBE 08.6253	■	■	■				■	■	NPT 1/2	RBE 08.7253
			■			■	■	■	■	■		
			■			■	■	■	■	■		
			■			■	■	■	■	■		
			■			■	■	■	■	■		
For rubber hose												
	Ø 6 mm	RBE 08.6806	■						■		Ø 8 mm	RBE 08.7808
	Ø 8 mm	RBE 08.6808	■						■		Ø 10 mm	RBE 08.7810
	Ø 10 mm	RBE 08.6810	■						■		Ø 13 mm	RBE 08.7813
	Ø 13 mm	RBE 08.6813	■						■		Ø 16 mm	RBE 08.7816
	Ø 16 mm	RBE 08.6816	■						■			
			■			■			■			
			■			■			■			
			■			■			■			
			■			■			■			
			■			■			■			
For plastic pipe												
	Ø 8/10 mm	RBE 08.6908	■						■		Ø 8/10 mm	RBE 08.7908
	Ø 10/12 mm	RBE 08.6910	■						■		Ø 10/12 mm	RBE 08.7910
			■			■			■			
			■			■			■			
			■			■			■			
			■			■			■			
			■			■			■			
			■			■			■			
			■			■			■			
			■			■			■			
			■			■			■			

Part-numbers

RBE 08

Full flow plugs

Auto shut-off plugs

supplied with chloroprene (CR)
protective cap (see p. 27)

												supplied with chloroprene (CR) protective cap (see p. 27)			
End connection		Part-numbers		Standard	HPL	HPG	IA	IA/HPL	IA/HPG	IC	IC/HPI	End connection		Part-numbers	
For copper pipe															
	Ø 8/10 mm	RBE 08.6708		■									Ø 8/10 mm	RBE 08.7708	
	Ø 10/12 mm	RBE 08.6710		■									Ø 10/12 mm	RBE 08.7710	
				■		■									
				■		■									
For calibrated stainless steel pipe* (double ring union) compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)															
	ext. Ø 10 mm	RBE 08.6770		■	■	■					■		ext. Ø 10 mm	RBE 08.7770	
	ext. Ø 12 mm	RBE 08.6772		■	■	■					■		ext. Ø 12 mm	RBE 08.7772	
	ext. Ø 3/8"	RBE 08.6755		■	■	■					■		ext. Ø 3/8"	RBE 08.7755	
	ext. Ø 1/2"	RBE 08.6756		■	■	■					■		ext. Ø 1/2"	RBE 08.7756	
							■	■	■	■	■		ext. Ø 10 mm	RBE 08.7770	
							■	■	■	■	■		ext. Ø 12 mm	RBE 08.7772	
							■	■	■	■	■		ext. Ø 3/8"	RBE 08.7755	
							■	■	■	■	■		ext. Ø 1/2"	RBE 08.7756	
Clamp profile pursuant to ISO 2852 and DIN 32676															
	Ø 25 mm	RBE 08.6025									■		Ø 25 mm	RBE 08.7025	
	Ø 34 mm	RBE 08.6034									■		Ø 34 mm	RBE 08.7034	
	Ø 50 mm	RBE 08.6050									■		Ø 50 mm	RBE 08.7050	
													■		

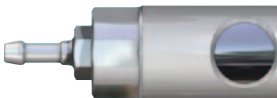
■ **Protective caps and manifolds:** see p. 26-27.

Part-numbers

RBE 11

Standard sockets

Panel mounted sockets

		Standard IA IA/HPL IA/HPG IC IC/HPI							
End connection		Part-numbers							Part-numbers
Female thread									
	G 3/8	RBE 11.1102 	■	■	■	■	■	RBE 11.2102 	
	G 1/2	RBE 11.1103 	■	■	■	■	■	RBE 11.2103 	
	G 3/4	RBE 11.1104 	■	■	■	■	■	RBE 11.2104 	
	Rc 1/2	RBE 11.1113	■	■	■	■	■	RBE 11.2113	
	NPT 3/8	RBE 11.1202	■	■	■	■	■	RBE 11.2202	
	NPT 1/2	RBE 11.1203	■	■	■	■	■	RBE 11.2203	
	NPT 3/4	RBE 11.1204	■	■	■	■	■	RBE 11.2204	
* as per SAE J 1926	UN 7/8 - 14 *	RBE 11.1322	■	■	■	■	■	RBE 11.2322	
Male thread									
	G 3/8	RBE 11.1152 	■	■	■	■	■	RBE 11.2152 	
	G 1/2	RBE 11.1153 	■	■	■	■	■	RBE 11.2153 	
	G 3/4	RBE 11.1154 	■	■	■	■	■	RBE 11.2154 	
	NPT 3/8	RBE 11.1252	■	■	■	■	■	RBE 11.2252	
	NPT 1/2	RBE 11.1253	■	■	■	■	■	RBE 11.2253	
	NPT 3/4	RBE 11.1254	■	■	■	■	■	RBE 11.2254	
For rubber hose									
	Ø 8 mm	RBE 11.1808	■					RBE 11.2808	
	Ø 10 mm	RBE 11.1810	■			■		RBE 11.2810	
	Ø 13 mm	RBE 11.1813	■	■		■		RBE 11.2813	
	Ø 16 mm	RBE 11.1816	■	■		■		RBE 11.2816	
	Ø 19 mm	RBE 11.1819	■	■		■		RBE 11.2819	
Clamp profile pursuant to ISO 2852 and DIN 32676									
	Ø 25 mm	RBE 11.1025				■			
	Ø 50 mm	RBE 11.1050				■			

Part-numbers

RBE 11

Full flow plugs

Auto shut-off plugs
supplied with chloroprene (CR)
protective cap (see p. 27)

											supplied with chloroprene (CR) protective cap (see p. 27)	
End connection		Part-numbers	Standard	HPL	HPG	IA	IA/HPL	IA/HPG	IC	IC/HPI	End connection	Part-numbers
Female thread												
	G 1/4	RBE 11.6101 	■	■					■			
	G 3/8	RBE 11.6102 	■	■	■				■	■		
	G 1/2	RBE 11.6103 	■	■	■				■	■		
	G 3/4	RBE 11.6104 	■	■	■				■	■		
	NPT 3/8	RBE 11.6202	■	■	■				■	■		
	NPT 1/2	RBE 11.6203	■	■	■				■	■		
	NPT 3/4	RBE 11.6204	■	■	■				■	■		
			■			■	■	■	■	■	G 3/8	RBE 11.7102 
			■			■	■	■	■	■	G 1/2	RBE 11.7103 
			■			■	■	■	■	■	G 3/4	RBE 11.7104 
		■			■	■	■	■	■	Rc 1/2	RBE 11.7113	
		■			■	■	■	■	■	NPT 3/8	RBE 11.7202	
		■			■	■	■	■	■	NPT 1/2	RBE 11.7203	
		■			■	■	■	■	■	NPT 3/4	RBE 11.7204	
		■			■	■	■	■	■	UN 7/8 - 14 *	RBE 11.7322	
												* as per SAE J 1926
Male thread												
	G 3/8	RBE 11.6152  *	■	■	■				■	■		
	G 1/2	RBE 11.6153	■	■	■				■	■		
	G 3/4	RBE 11.6154 	■	■	■				■	■		
	NPT 3/8	RBE 11.6252	■	■	■							
	NPT 1/2	RBE 11.6253	■	■	■							
	NPT 3/4	RBE 11.6254	■	■	■							
			■			■	■	■	■	■	G 3/8	RBE 11.7152 
			■			■	■	■	■	■	G 1/2	RBE 11.7153 
			■			■	■	■	■	■	G 3/4	RBE 11.7154 
			■			■	■	■	■	■	NPT 3/8	RBE 11.7252
		■			■	■	■	■	■	NPT 1/2	RBE 11.7253	
		■			■	■	■	■	■	NPT 3/4	RBE 11.7254	
For rubber hose												
	Ø 6 mm	RBE 11.6806	■						■			
	Ø 8 mm	RBE 11.6808	■						■			
	Ø 10 mm	RBE 11.6810	■						■			
	Ø 13 mm	RBE 11.6813	■						■			
	Ø 16 mm	RBE 11.6816	■						■			
	Ø 19 mm	RBE 11.6819	■						■			
			■			■			■		Ø 13 mm	RBE 11.7813
		■			■			■		Ø 16 mm	RBE 11.7816	
		■			■			■		Ø 19 mm	RBE 11.7819	
Clamp profile pursuant to ISO 2852 and DIN 32676												
	Ø 25 mm	RBE 11.6025							■			
	Ø 50 mm	RBE 11.6050							■			
									■		Ø 25 mm	RBE 11.7025
									■		Ø 50 mm	RBE 11.7050

■ **Protective caps and manifolds:** see p. 26-27.

Standard sockets

Part-numbers

RBE 19

Full flow plugs

Auto shut-off plugs

supplied with chloroprene (CR)
protective cap (see p. 27)

			Standard HPL HPG IA IA/HPL IA/HPG IC IC/HPI														
End connection			Part-numbers										End connection			Part-numbers	
Female thread																	
	G 3/4	RBE 19.6104	■	■	■					■	■						
	G 1	RBE 19.6105	■	■	■					■	■						
	NPT 3/4	RBE 19.6204	■	■	■					■	■						
	NPT 1	RBE 19.6205	■	■	■					■	■						
			■			■	■	■	■	■	G 3/4	RBE 19.7104					
			■			■	■	■	■	■	G 1	RBE 19.7105					
			■			■	■	■	■	■	Rc 3/4	RBE 19.7114					
			■			■	■	■	■	■	NPT 3/4	RBE 19.7204					
			■			■	■	■	■	■	NPT 1	RBE 19.7205					
			■			■	■	■	■	■	UN 1 5/16 - 12 *	RBE 19.7333					
		* as per SAE J 1926															
Male thread																	
	G 3/4	RBE 19.6154 	■	■	■					■	■						
	G 1	RBE 19.6155 	■	■	■					■	■						
	NPT 3/4	RBE 19.6254	■	■	■					■	■						
	NPT 1	RBE 19.6255	■	■	■					■	■						
			■			■	■	■	■	■	G 3/4	RBE 19.7154					
			■			■	■	■	■	■	G 1	RBE 19.7155					
			■			■	■	■	■	■	NPT 3/4	RBE 19.7254					
			■			■	■	■	■	■	NPT 1	RBE 19.7255					
For rubber hose																	
	Ø 19 mm	RBE 19.6819	■							■							
	Ø 25 mm	RBE 19.6825	■							■							
			■			■				■	Ø 19 mm	RBE 19.7819					
			■			■				■	Ø 25 mm	RBE 19.7825					
																	

Part-numbers

Manifolds

Available in standard, IA and IC versions.

Not available in double shut-off, W and safety keys versions.

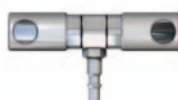
Description	End connection	Part-numbers				
		RBE 03	RBE 06	RBE 08	RBE 11	RBE 19
Fixed two-way Y	G 1/4	RBE 03.8101	RBE 06.8101			
	G 3/8		RBE 06.8102			
	G 1/2		RBE 06.8103	RBE 08.8103		
	G 3/4				RBE 11.8104	RBE 19.8104



Adjustable two-way Y		RBE 03.8600	RBE 06.8600	RBE 08.8600	RBE 11.8600	RBE 19.8600
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Adjustable two-way straight		RBE 03.8660	RBE 06.8660			
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Part-numbers

Protective caps

To be ordered separately (excluding Chloroprene cap).

Socket caps



Standard version: **RBE xx.8500**

Stainless steel version (IC): **RBE xx.8500/IC**



Socket with PP option (see p. 9)

Standard version: **RBE xx.8500/PP**

Stainless steel version (IC): **RBE xx.8500/IC/PP**



Socket with safety key option (see page 8)

Standard version: **RBE xx.8500/U**

Stainless steel version (IC): **RBE xx.8500/IC/U**



Socket with safety key and PP option
(see pages 8-9)

Standard version: **RBE xx.8500/U/PP**

Stainless steel version (IC): **RBE xx.8500/IC/U/PP**

Plug caps



Standard chloroprène (CR) version:

RBE xx.8550/BC

Supplied as standard with all auto shut-off plugs.



Stainless steel version (IC): **RBE xx.8550/IC**

Replace **xx** with the flow diameter of the corresponding socket or plug

E.g.: RBE 03.8550 = cap for a plug with a 3 mm flow diameter.



■ Stäubli Units ○ Representatives/Agents

Global presence of the Stäubli Group

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