



MODULAR RANGE OF
QUICK RELEASE COUPLINGS **RBE**

ALL FLUIDS

A solution for each of your applications

Designed for applications in all industrial sectors and research and development for the connection of your circuits of:

- gases : hydrogen, argon, nitrogen, helium, etc...,
- steam,
- solvents and acids,
- liquids,
- high pressures,
- vacuum...

The RBE ALL FLUID range offers you a product range which is :

- A modular design
- Reliable
- Quick and Automatic
- Efficient
- Safe
- Leak tight

STÄUBLI

*gases
liquids
steam
solvents
high pressures
vacuum*

Modular Design

The RBE ALL FLUID range is entirely modular and very complete, offering the choice of :

- 5 sizes of coupling,
- 3 material options,
- 7 seal options,
- 3 shut-off options,
- various further options.

It makes it possible for you to select the quick release coupling suited to your application and appropriate to the fluid :
- type of fluids,
- pressure,
- temperature
and flow.



To respond to specific requirements of certain industries, the RBE range also includes quick release couplings for:



■ **Heavy Steel Industry applications** using oxygen, fuel gas and inert gas (RBE 11 / UR version : see catalogue C 110),



■ **Nuclear Industry applications** (RBE / IC / TL version : see catalogue G 100).

Proven reliability

The particular technology of the STÄUBLI range of couplings gives a long service life at a low operating cost.

Quick and Automatic

Connection and Disconnection is a one-handed operation :

- connection by pushing the plug into the socket.
- disconnection by simply pushing the push button.

Efficient

The RBE ALL FLUID range of couplings offers a very good flow for a given size of coupling.

Safety

Thanks to the coupling design, the quality of materials used and the appropriate seals for each fluid.

Safety is a particularly important criterion for gas and corrosive fluid circuits.

STÄUBLI long life seal tightness

proven after over 40 years of use in industrial connection of fluids and gases.

modular range

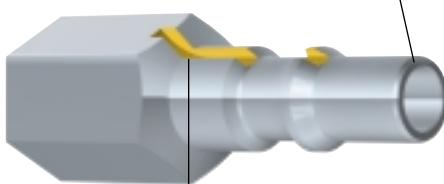
We suggest you select the suitable quick release coupling yourself which best serves your needs...

5 steps to construct your required quick release coupling...

Page 4

1 DIAMETER

- .03
- .06
- .08
- .11
- .19



Pages 8-9

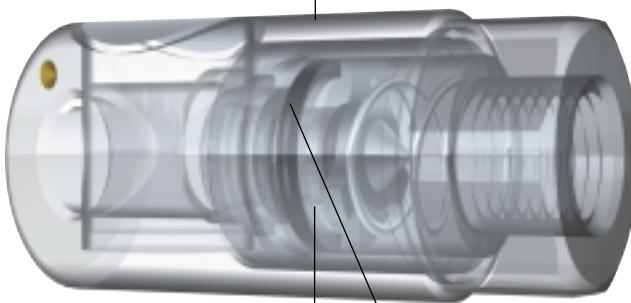
5 The OPTIONS

- Safety keys
- Colour discs for panel mount
- Raised push button
- Safety button
- Protection against ingress of dirt
- Fixing of dust caps

Page 5

2 MATERIALS USED

- Low and medium pressure
- High pressure
- Primary vacuum



Page 6

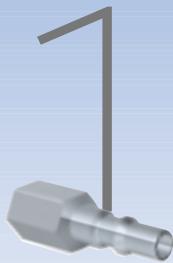
3 SEALS

- Nitrile
- Fluorocarbon
- Ethylene-propylene
- Perfluoroelastomer
- Fluorosilicone
- Chloroprene
- PTFE

Page 7

4 SHUT OFFS

- Single
- Double
- Unvalved



Nominal Bore

5 sizes of coupling : 3, 6, 8, 11, 19 mm.



RBE 03



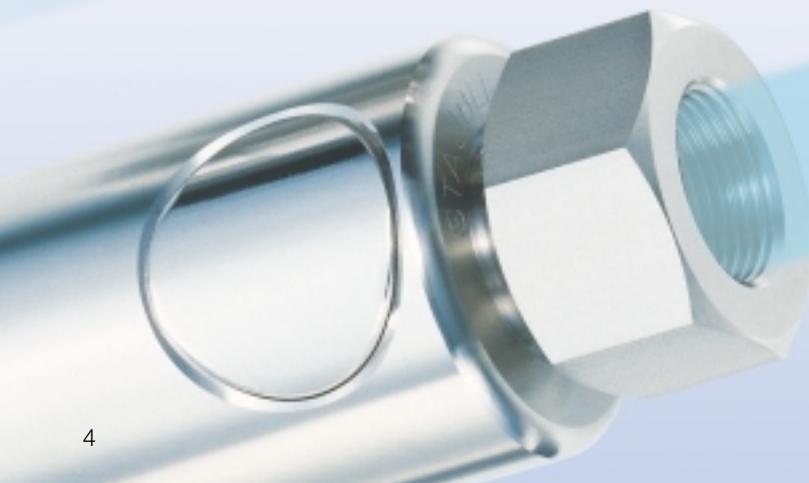
RBE 06



RBE 08



RBE 11



RBE 19

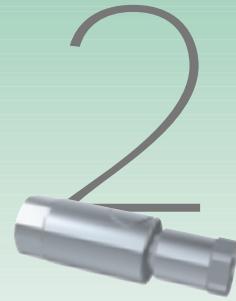
RBE	03	06	08	11	19
Pneumatic flow at 6 bar in Nm³ / h for a pressure drop of 0.3 bar					
Single shut off	11.2	32	72	150	430
Double shut off	6.2	19	46	92	245
Unvalved	13	45	110	245	660
Hydraulic flow in l / min for a speed of 5 m / s					
Single shut off	2.1	7.2	15.1	28.5	85
Double shut off	1.5	5	12.2	24.5	76.5
Unvalved	2.1	7.2	15.1	28.5	85

See flow chart pages 10 / 11.

Materials used

The choice of materials depends on :

- the fluid being transferred,
- the max. operating pressure and
- the external environment.



Low and medium pressure

Various gases, oils, hydrocarbons...

Maximum working pressure : 50 bar

Standard Series :
Largely stainless steel with
17% chrome content.
Coupling back adaptor :
anti-corrosion treated steel.

standard

Air, water,oil...

Maximum working pressure : 50 bar

IA Series :
Largely stainless steel with
17% chrome content.

code IA

Various corrosive gases, sea water,
large number of chemical products
in a corrosive environment.

Maximum working pressure : 15 bar

IC Series :
AISI 316L stainless steel.

code IC

High Pressure

High pressure liquids and gases,
compressed air,
without any particular anti-corrosion
resistance.

IA / HP Series :
Stainless steel with 17% chrome
content and AISI 316L stainless steel

code IA / HP

High pressure liquids and gases,
compressed air,
with demanding resistance
to corrosion requirements
or decontamination.

IC / HPI Series :
AISI 316L stainless steel
Plug body and push button :
high resistance stainless steel

code IC / HPI / VD (socket)
code IC / HPI (plug)

Vacuum

Recommended for primary vacuum to
10⁻³ torr and for all applications
demanding high integrity leak tightness.
Vacuum tightness : 1.10⁻³ cm³ / s.
in connected and disconnected position.

Please consult us for more demanding
applications.

IA / W and IC Series :
internal components :
AISI 316L stainless steel

code IA / W or code IC *

* Code IC for corrosive environment

*For optimal functioning,
it is essential to use
sockets and plugs
of the same materials.*

MATERIALS USED	Socket	Unvalved plug	Valved plug
	standard	standard	standard or IA
	IA	standard	IA
	IC	IC	IC
	IA / HP	standard	IA / HP
	IC / HPI / VD	IC / HPI	IC / HPI
	IA / W	standard	IA / W

For hydraulic clean break applications,
use our SPX couplings
(see Catalogue F 125).

For pulsating hydraulic oil circuits or
circuits subject to vibration, use our
HPX quick release couplings
(see Catalogue F 150).

3

Seals

The choice of seal material depends on :

- the fluid being transferred and
- the working temperature

- Good chemical resistance.
- Excellent resistance to high temperatures up to 200°C.
- Resistance to mineral oils, to synthetic hydraulic oils, to fuels, to chemical products, to hydrocarbons and to heat transfer fluids.

Fluorocarbon (FPM) Seals

Operating temperature :
-10°C to + 200°C

code JV

- Good resistance to high temperatures.
- Compatible with braking fluids with a phosphate – ester base, hot or cold water, steam.

Ethylene – Propylene (EPDM) Seals

Operating temperature :
-20°C to + 150°C
Hot water, steam to 200°C.

code JE

- Combines qualities of elastomers with chemical resistance of PTFE.
- Remarkable resistance to heat and to most chemical agents including inorganic and organic acids.
- Heat transfer fluids.

Perfluoroelastomer (FFKM) Seals

Operating temperature :
0 to + 250°C

code JK

- Good resistance to low and high temperatures.
- Resistance to mineral oils and fuels.

Fluorosilicon (FMQ) Seals

Operating temperature :
-50°C to + 175°C

Max. operating pressure : 50 bar.

code JS3

- Good resistance to ageing and to refrigerating fluids.

Chloroprene (CR) Seals

Operating temperature :
-40°C to + 100°C

code JC

- Excellent chemical resistance.
- Good resistance to low and high temperatures.
- Superior performance to elastomers.

PTFE Seals

Operating temperature :
-50°C to + 200°C

code IA / JT or code IC / JT

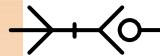
In order to define the most suitable solution for your application, we ask you to supply us with the following details :

- type of fluid,
- pressure,
- temperature,
- concentration of salts and acids in water based fluids,
- particular operating conditions...

Do not hesitate to ask our Technical Sales Engineer to advise you. We place all our specialist quick release coupling knowledge at your disposal.

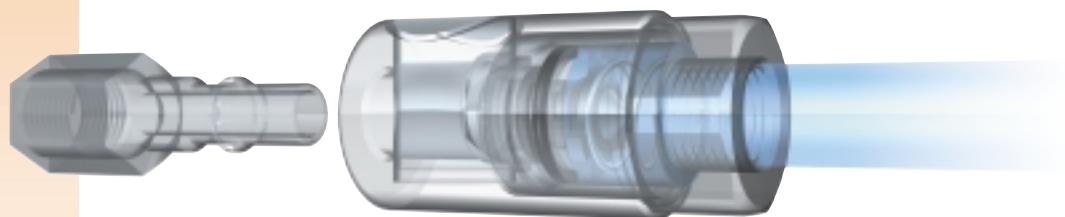


Single shut-off

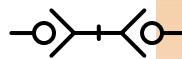


- Non aggressive fluids,
- Non polluting fluids,
- Non toxic gases,
- Applications which require decompression of down-stream hose...
- Socket with automatic shut-off
- Unvalved plug

Socket : **standard**
Plug : **unvalved**



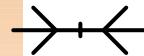
Double shut-off



- Oil circuits,
- Hydraulic circuits,
- Gases or dangerous / aggressive / polluting fluids,
- To minimise fluid spillage...
- Socket and plug with automatic shut-off

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

Unvalved



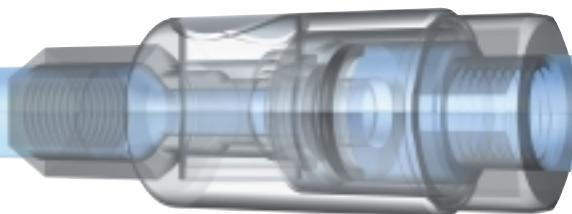
- Same uses as the "single shut-off" version,
- Better flow for a given bore.

Recommended for :

- fluids carrying particles,
- dirty water or chalky water,
- untreated water...

- Socket and plug unvalved

Socket : **code OS**
Plug : **unvalved**





Options

7 safety keys

preventing any errors of connection between various gases and fluids and permitting a clear identification of circuits.

Mechanical safety :
2 slots are machined into the plug to give a keyway which corresponds with the 2 lugs on the socket.

Visual identification by :
• colour coding on plug and socket.



- coloured anodised facing disc for panel mounted sockets (except IC series).



For heavy steel industry applications on gases, we offer the RBE 11 / UR safety lock coupling range with stud safety keys :
See Catalogue C 110.



* Codes 15 and 75 are not available on all diameters : see pages 12, 16, 20, 24 and 28.



Colour disc for built-in sockets

for immediate visual identification of circuits

	yellow	code DKJ		blue	code DKB
	violet *	code DKW		brown *	code DKM
	red	code DKR		black	code DKN
	green	code DKV			

* Violet and brown are not available on all diameters : see pages 12, 16, 20, 24 and 28.



Protection against dirt ingress code **VD / PP**

In connected position, the Chloroprene (CR) protector protects the functional components of the sockets against dirt and other external pollutants.

It must be combined with a VD push button.

Operating temperatures : -20°C to + 90°C.

Not available for RBE03.



Raised push button code **VD**

Recommended for frequent connection / disconnection or use when wearing safety gloves.



Safety button code **VS**

(standard and IA series)

To disconnect it is necessary to :

1. push back safety slider
2. push button



Fixing device for socket dust cap code **FB**

Dust caps to be ordered separately : see pages 15, 19, 23, 27 and 31.

Connection

The RBE ALL FLUID range comprises numerous connection possibilities (see part number pages).

Female threading

For rubber hose

For annealed or cold drawn copper tube

Male threading

For plastic tube (Rilsan, PTFE...)

For stainless steel drawn and calibrated tube

Male threads are supplied with :

- 60 degree sealing cone on IA and IC series sockets and all valved plugs.
- Consult us regarding KES sealing kit (retaining ring and O ring seal).

Technical characteristics



RBE 03

PART NUMBERS PAGES 13 to 15

RBE 06

PART NUMBERS PAGES 17 to 19

Nominal bore (mm)

3

5,5

Cross section (mm²)

7

23,75

RBE series

standard

IA

IC

HP and HPI

W

standard

IA

IC

HP and HPI

W

Working pressure (bar)

50

16⁽¹⁾

50

16⁽¹⁾

15⁽²⁾

400

10⁻³ torr

50

16⁽¹⁾

50

16⁽¹⁾

15⁽²⁾

450

10⁻³ torr

Method of connection

- On inert gas with a force of 15 daN

50 bar

15 bar

- On liquids with a force of 15 daN

25 bar or at vented pressure

10 bar or at vented pressure

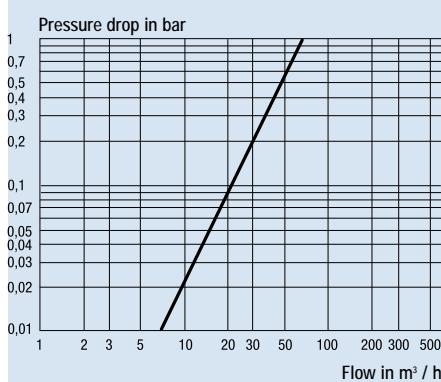
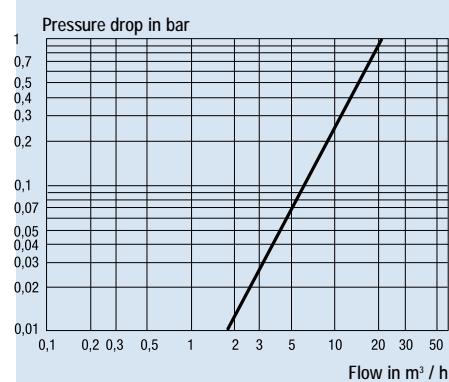
(1) Connection for rubber hose and installation with ear clamps or worm drive clamps.

(2) Consult us for higher pressures.

Pneumatic flow / pressure drop charts for single shut-off couplings

Direction of flow : from socket to plug

Entry pressure : 6 bar



Hydraulic flow / pressure drop charts

1 - Chart for double shut-off coupling (OD Series)

2 - Chart for single shut-off coupling

Direction of flow : from socket to plug

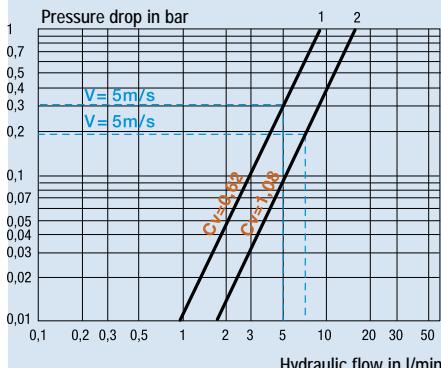
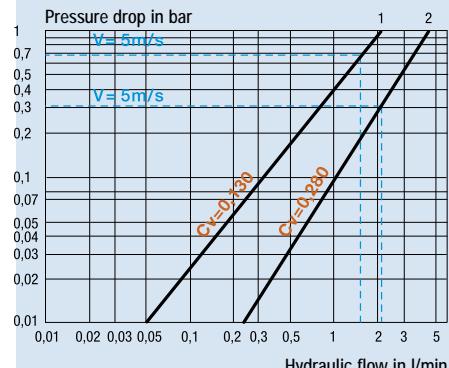
Test conditions :

- Test fluid : water
- RBE 03 - Test fluid : hydraulic oil

INVAROL FJ13 (H515)

Density : 833 kg/m³ to 40°C

Viscosity : 13,4 cSt to 40°C





RBE 08

PART NUMBERS PAGES 21 to 23

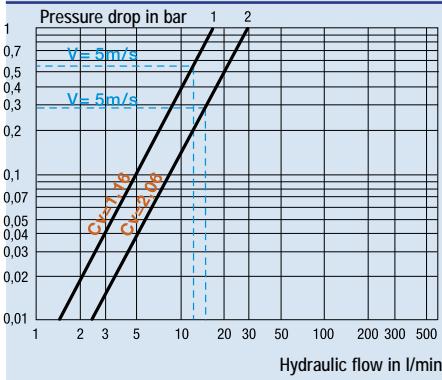
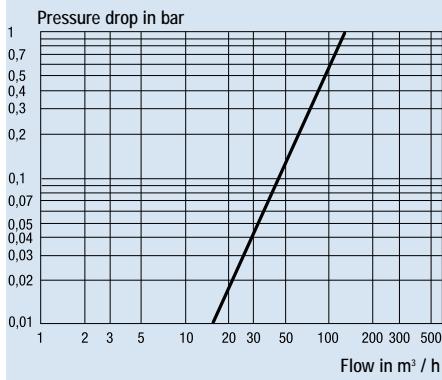
8

50

standard	IA	IC	HP and HPI	W
50	16 ⁽¹⁾	50	16 ⁽¹⁾	15 ⁽²⁾
			400	10 ⁻³ torr

10 bar

7 bar or at vented pressure



RBE 11

PART NUMBERS PAGES 25 to 27

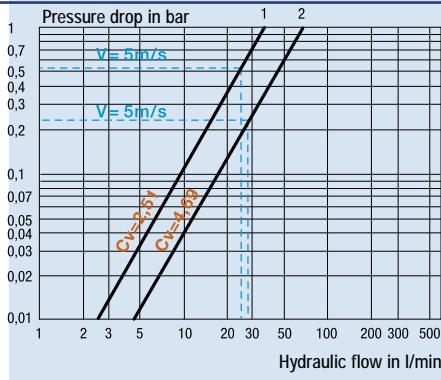
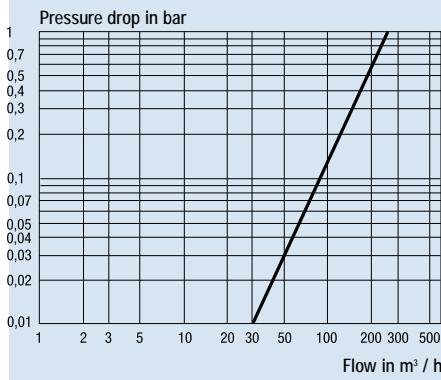
11

95

standard	IA	IC	HP and HPI	W
50	16 ⁽¹⁾	50	16 ⁽¹⁾	15 ⁽²⁾
			350	10 ⁻³ torr

8 bar

3 bar or at vented pressure



RBE 19

PART NUMBERS PAGES 29 to 31

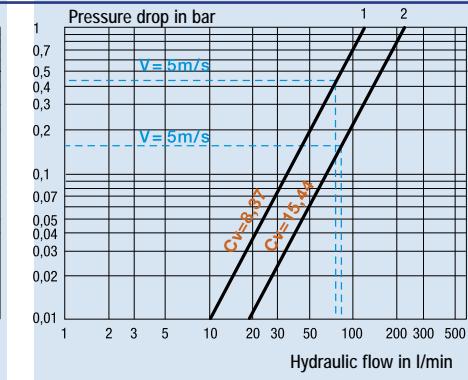
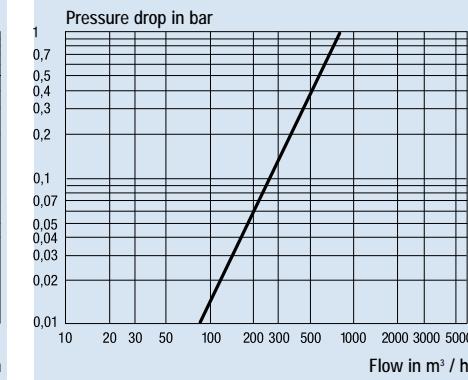
19

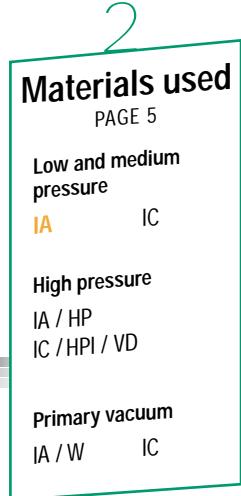
283,5

standard	IA	IC	HP and HPI	W
50	16 ⁽¹⁾	50	16 ⁽¹⁾	15 ⁽²⁾
			300	10 ⁻³ torr

4 bar

vented pressure





1 Socket standard

Body : stainless steel with 17% chrome content
Seals : in Nitrile (NBR)

Single shut-off
 No further options

RBE 03. 1151

See part numbers page 13

examples of "non standard" part numbers with options :
 RBE 03.1151 / IA / JE / OD / 15 / VD / FB
 RBE 03.2151 / DKJ

5 Options

PAGES 8 and 9

Safety keys

0	6
15	75
3	9
45	

Colour discs for panel mount

DKJ	DKB
DKW	DKM
DKR	DKN
DKV	

Raised push button

VD

Fixing of dust caps

FB

3 Seals

PAGE 6

JV	JE	JK
JS3	JC	

4 Valving

PAGE 7

OS	OD
----	----

1 Plug standard

Body : stainless steel with 13% chrome content
Seals : Nitrile (NBR)
 No further options

2 shut-off options as standard

(only to be used with OD code on socket)

RBE 03. 6151

See part numbers page 14
 example of "non standard" part number with options :
 RBE 03.6151 / IC / HPI / 15



2 Materials used

PAGE 5

Low and medium pressure	IC
High pressure	IC / HPI
Primary vacuum	IC

Materials used

PAGE 5

Low and medium pressure	IA	IC
High pressure	IA / HP	IC / HPI
Primary vacuum	IA / W	IC

Valved

RBE 03. 7151
 See part numbers page 14
 example of "non standard" part number with options :
 RBE 03.7151 / IA / JE / 15

3 Seals

PAGE 6

JV	JE	JK
JS3	JC	

5 Options

PAGES 8 and 9

Safety keys

0	6
15	75
3	9
45	



SOCKETS

STANDARD
IA
IC
IA/HP
IC/HP/VD



PANEL MOUNTED SOCKETS

END CONNECTION	PART NUMBERS	PART NUMBERS				
Female thread						
G 1/8	RBE 03.1100	X	X	X	X	RBE 03.2100
NPT 1/8	RBE 03.1200	X	X	X	X	RBE 03.2200
UN 7/16 - 20*	RBE 03.1311	X	X	X	X	
* To norm SAE J 1926						
Male thread						
G 1/8	RBE 03.1150	X	X	X	X	RBE 03.2150
G 1/4	RBE 03.1151	X	X	X	X	RBE 03.2151
NPT 1/8	RBE 03.1250	X	X	X	X	RBE 03.2250
NPT 1/4	RBE 03.1251	X	X	X	X	RBE 03.2251
For rubber hose						
Ø 4 mm	RBE 03.1804	X	X	X		RBE 03.2804
Ø 6 mm	RBE 03.1806	X	X	X		RBE 03.2806
For plastic tube						
Ø 4/6 mm	RBE 03.1904	X	X	X		RBE 03.2904
Ø 6/8 mm	RBE 03.1906	X	X	X		RBE 03.2906
For copper tube						
Ø 4/6 mm	RBE 03.1704	X				RBE 03.2704
Ø 6/8 mm	RBE 03.1706	X				RBE 03.2706
For stainless steel tube						
Ø 6 mm ext.	RBE 03.1766	X	X	X	X	RBE 03.2766
Ø 8 mm ext.	RBE 03.1768	X	X	X	X	RBE 03.2768
Ø 1/4" ext.	RBE 03.1753	X	X	X	X	RBE 03.2753

UNVALVED PLUGS

END CONNECTION PART NUMBERS

STANDARD
IA
IC
IA/HP
IC/HPI**VALVED PLUGS**

delivered with Nitrile (NBR) dust cap

PART NUMBERS END CONNECTION

**Female thread**

G 1/8	RBE 03.6100	X	X	X		
NPT 1/8	RBE 03.6200	X	X	X		
		X	X	X	X	RBE 03.7100 G 1/8
		X	X	X	X	RBE 03.7200 NPT 1/8
		X	X	X	X	RBE 03.7311 UN 7/16 - 20 *

*To norm SAE J 1926

Male thread

G 1/8	RBE 03.6150	X		X	X	
G 1/4	RBE 03.6151	X		X	X	
NPT 1/8	RBE 03.6250	X		X	X	
NPT 1/4	RBE 03.6251	X		X	X	
		X	X	X	X	X
		X	X	X	X	X
		X	X	X	X	X
		X	X	X	X	X

For rubber hose

Ø 4 mm	RBE 03.6804	X		X		
Ø 6 mm	RBE 03.6806	X		X		
		X	X	X		RBE 03.7804 Ø 4 mm
		X	X	X		RBE 03.7806 Ø 6 mm

**For plastic tube**

Ø 4/6 mm	RBE 03.6904	X		X		
Ø 6/8 mm	RBE 03.6906	X		X		
		X	X	X		RBE 03.7904 Ø 4/6 mm
		X	X	X		RBE 03.7906 Ø 6/8 mm

**For copper tube**

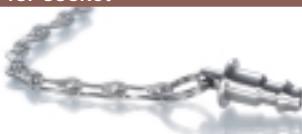
Ø 4/6 mm	RBE 03.6704	X				RBE 03.7704 Ø 4/6 mm
Ø 6/8 mm	RBE 03.6706	X				RBE 03.7706 Ø 6/8 mm

**For stainless steel tube**

Ø 6 mm ext.	RBE 03.6766			X	X	
Ø 8 mm ext.	RBE 03.6768			X	X	
Ø 1/4" ext.	RBE 03.6753			X	X	
				X	X	RBE 03.7766 Ø 6 mm ext.
				X	X	RBE 03.7768 Ø 8 mm ext.
				X	X	RBE 03.7753 Ø 1/4" ext.



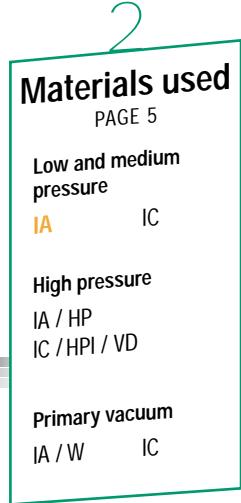
DUST CAPS

END CONNECTION	PART NUMBERS				
	STANDARD	IA	IC	IA/HPI	IC/HPI
for socket		X	X		
	RBE 03.8500				
Dust cap for sockets equipped with safety-key : add "U" to the selected part number.					
for plug			X		
	RBE 03.8550				
in Nitrile for plug			X		
	RBE 03.8550/BC				

Y SOCKETS*

	PART NUMBERS			END CONNECTION
	X	X	X	
fixed Y 2-direction				RBE 03.8101 G 1/4
	X	X	X	
mobile Y 2-direction				RBE 03.8600
	X	X	X	
mobile T 2-direction				RBE 03.8660
	X	X	X	

* Not available in double shut-off version, nor /W nor colour coded /keyed.



1 Socket standard

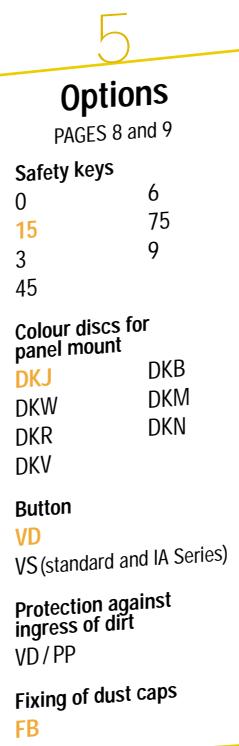
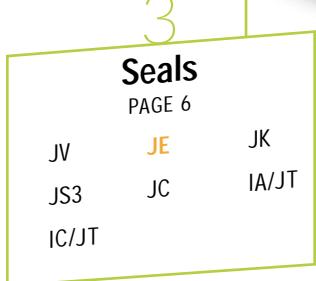
Body : stainless steel with 17% chrome content
Seals : Nitrile (NBR)

Single shut-off
No further options

RBE 06. 1151

See part numbers page 17

examples of "non standard" part numbers with options :
RBE 06.1151 / IA / JE / OD / 15 / VD / FB
RBE 06.2151 / DKJ



1 Plug standard

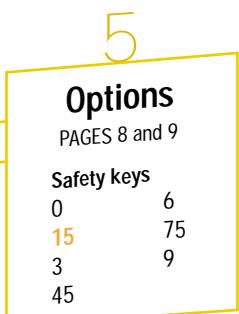
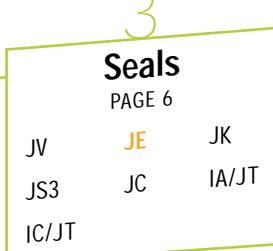
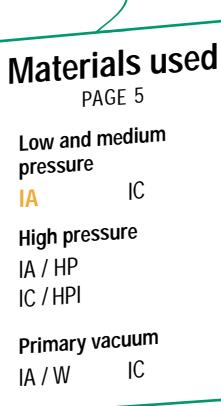
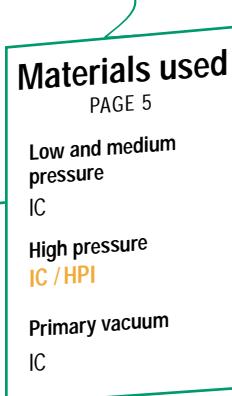
Body : stainless steel with 13% chrome content
Seals : Nitrile (NBR)
No further options

2 shut-off options as standard



Unvalved
RBE 06. 6151

See part numbers pages 18 and 19
example of "non standard" part number with options :
RBE 06. 6151 / IC / HPI / 15





SOCKETS

STANDARD
IA
IC
IA/HP
IC/HP/VDPANEL MOUNTED
SOCKETS

END CONNECTION PART NUMBERS

PART NUMBERS

Female thread

G 1/8	RBE 06.1100	X	X	X	X	X	RBE 06.2100
G 1/4	RBE 06.1101	X	X	X	X	X	RBE 06.2101
G 3/8	RBE 06.1102	X	X	X	X	X	RBE 06.2102
G 1/2	RBE 06.1103	X	X	X	X	X	RBE 06.2103
NPT 1/8	RBE 06.1200	X	X	X	X	X	RBE 06.2200
NPT 1/4	RBE 06.1201	X	X	X	X	X	RBE 06.2201
NPT 3/8	RBE 06.1202	X	X	X	X	X	RBE 06.2202
UN 9/16 - 18*	RBE 06.1314		X	X	X	X	RBE 06.2314

* To norm SAE J 1926

Male thread

G 1/8	RBE 06.1150	X	X	X	X	X	RBE 06.2150
G 1/4	RBE 06.1151	X	X	X	X	X	RBE 06.2151
G 3/8	RBE 06.1152	X	X	X	X	X	RBE 06.2152
G 1/2	RBE 06.1153	X	X	X	X	X	RBE 06.2153
NPT 1/8	RBE 06.1250	X	X	X	X	X	RBE 06.2250
NPT 1/4	RBE 06.1251	X	X	X	X	X	RBE 06.2251
NPT 3/8	RBE 06.1252	X	X	X	X	X	RBE 06.2252

For rubber hose

Ø 6 mm	RBE 06.1806	X	X	X			RBE 06.2806
Ø 8 mm	RBE 06.1808	X	X	X			RBE 06.2808
Ø 10 mm	RBE 06.1810	X	X	X			RBE 06.2810
Ø 13 mm	RBE 06.1813	X	X	X			RBE 06.2813

For plastic tube

Ø 6/8 mm	RBE 06.1906	X	X	X			RBE 06.2906
Ø 8/10 mm	RBE 06.1908	X	X	X			RBE 06.2908

For copper tube

Ø 6/8 mm	RBE 06.1706	X	X				RBE 06.2706
Ø 8/10 mm	RBE 06.1708	X	X				RBE 06.2708

For stainless steel tube

Ø 6 mm ext.	RBE 06.1766	X	X	X	X		RBE 06.2766
Ø 8 mm ext.	RBE 06.1768	X	X	X	X		RBE 06.2768
Ø 10 mm ext.	RBE 06.1770	X	X	X	X		RBE 06.2770
Ø 1/4" ext.	RBE 06.1753	X	X	X	X		RBE 06.2753
Ø 3/8" ext.	RBE 06.1755	X	X	X	X		RBE 06.2755



UNVALVED PLUGS

STANDARD | A | C | A/HP | C/HP



VALVED PLUGS

delivered with Nitrile (NBR) dust cap

END CONNECTION

PART NUMBERS

PART NUMBERS

END CONNECTION

Female thread

G 1/8	RBE 06.6100	X	X	X		
G 1/4	RBE 06.6101	X	X	X		
G 3/8	RBE 06.6102	X	X	X		
NPT 1/8	RBE 06.6200	X	X	X		
NPT 1/4	RBE 06.6201	X	X	X		
NPT 3/8	RBE 06.6202	X	X	X		
M 14 x 125	RBE 06.6314	X				
UN 9/16 - 20	RBE 06.6315	X				
		X	X	X	X	RBE 06.7100 G 1/8
		X	X	X	X	RBE 06.7101 G 1/4
		X	X	X	X	RBE 06.7102 G 3/8
		X	X	X	X	RBE 06.7200 NPT 1/8
		X	X	X	X	RBE 06.7201 NPT 1/4
		X	X	X	X	RBE 06.7202 NPT 3/8
		X	X	X	X	RBE 06.7314 UN 9/16 - 18*

*To norm SAE J 1926

Male thread

G 1/8	RBE 06.6150	X	X	X		
G 1/4	RBE 06.6151	X	X	X		
G 3/8	RBE 06.6152	X	X	X		
NPT 1/8	RBE 06.6250	X	X	X		
NPT 1/4	RBE 06.6251	X	X	X		
NPT 3/8	RBE 06.6252	X	X	X		
M 14 x 125	RBE 06.6414	X				
UN 9/16 - 20	RBE 06.6415	X				
W 3/8 (With.)	RBE 06.6152/NW	X				
		X	X	X	X	RBE 06.7150 G 1/8
		X	X	X	X	RBE 06.7151 G 1/4
		X	X	X	X	RBE 06.7152 G 3/8
		X	X	X	X	RBE 06.7250 NPT 1/8
		X	X	X	X	RBE 06.7251 NPT 1/4
		X	X	X	X	RBE 06.7252 NPT 3/8

For rubber hose

Ø 4 mm	RBE 06.6804	X	X			
Ø 6 mm	RBE 06.6806	X	X			
Ø 8 mm	RBE 06.6808	X	X			
Ø 10 mm	RBE 06.6810	X	X			
Ø 13 mm	RBE 06.6813	X	X			
		X	X	X		RBE 06.7806 Ø 6 mm
		X	X	X		RBE 06.7808 Ø 8 mm
		X	X	X		RBE 06.7810 Ø 10 mm
		X	X	X		RBE 06.7813 Ø 13 mm

For plastic tube

Ø 4/6 mm	RBE 06.6904	X	X			
Ø 6/8 mm	RBE 06.6906	X	X			
Ø 8/10 mm	RBE 06.6908	X	X			
		X	X	X		RBE 06.7906 Ø 6/8 mm
		X	X	X		RBE 06.7908 Ø 8/10 mm

For copper tube

Ø 6/8 mm	RBE 06.6706	X				
Ø 8/10 mm	RBE 06.6708	X				
		X	X			RBE 06.7706 Ø 6/8 mm
		X	X			RBE 06.7708 Ø 8/10 mm



UNVALVED PLUGS

STANDARD
IA
IC
IA/HPI
IC/HPI



VALVED PLUGS

delivered with Nitrile (NBR) dust cap

END CONNECTION	PART NUMBERS	For stainless steel tube				PART NUMBERS	END CONNECTION
Ø 6 mm ext.	RBE 06.6766	X	X				
Ø 8 mm ext.	RBE 06.6768	X	X				
Ø 10 mm ext.	RBE 06.6770	X	X				
Ø 1/4" ext.	RBE 06.6753	X	X				
Ø 3/8" ext.	RBE 06.6755	X	X				
		X	X	X	X	RBE 06.7766	Ø 6 mm ext.
		X	X	X	X	RBE 06.7768	Ø 8 mm ext.
		X	X	X	X	RBE 06.7770	Ø 10 mm ext.
		X	X	X	X	RBE 06.7753	Ø 1/4" ext.
		X	X	X	X	RBE 06.7755	Ø 3/8" ext.

DUST CAPS

for socket



RBE 06.8500

X X

Dust cap for sockets equipped with safety-key :
add "U" to the selected part number.

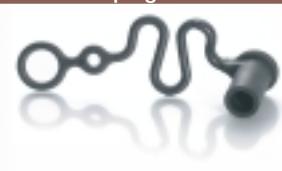
for plug



RBE 06.8550

X

in Nitrile for plug



RBE 06.8550/BC

X

Y SOCKETS*

fixed Y 2-direction

X	X	X	RBE 06.8101	G 1/4
X	X	X	RBE 06.8102	G 3/8
X	X	X	RBE 06.8103	G 1/2

mobile Y 2-direction

X	X	X	RBE 06.8600	
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mobile T 2-direction

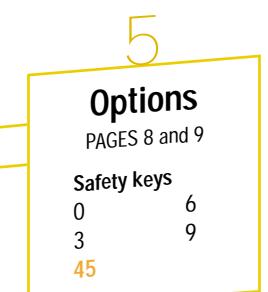
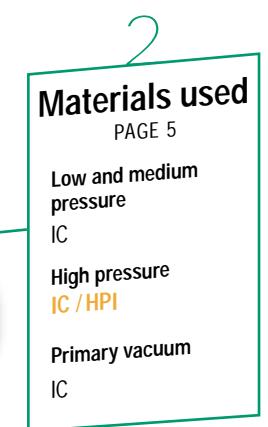
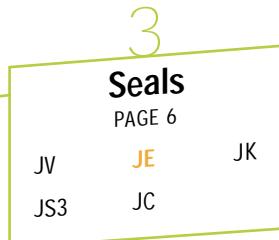
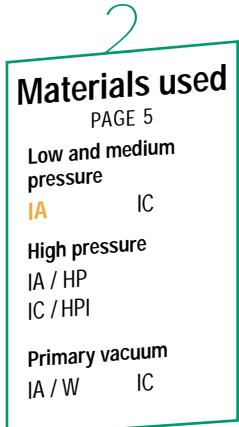
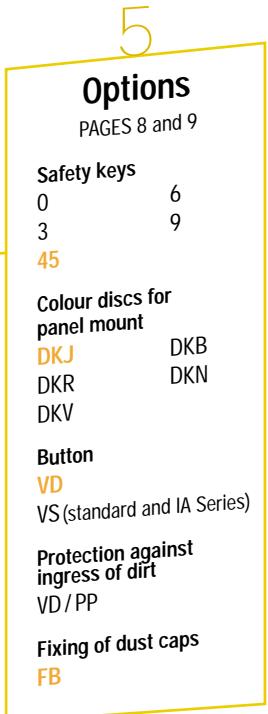
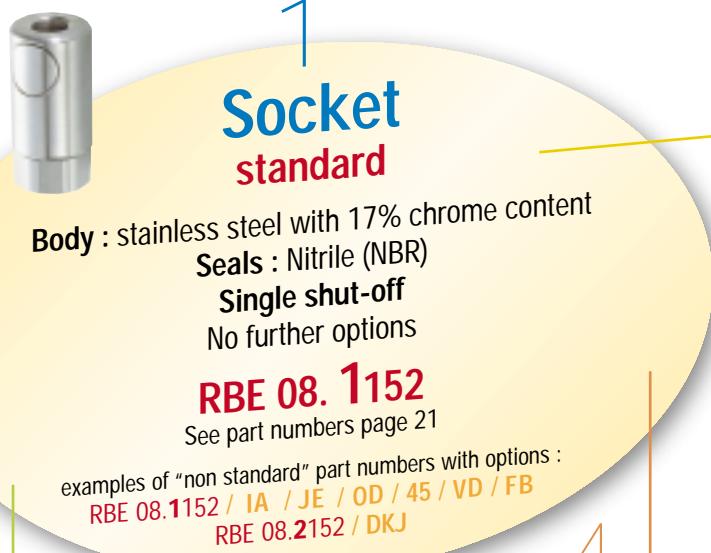
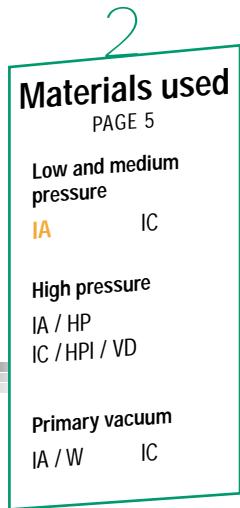
X	X	RBE 06.8660	
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fixed Y 2-direction for rubber hose

X	X	X	RBE 06.8813	Ø 13 mm
---	---	---	-------------	---------

* Not available in double shut-off version,
nor /W
nor colour coded /keyed.







SOCKETS



PANEL MOUNTED SOCKETS

END CONNECTION	PART NUMBERS					PART NUMBERS
----------------	--------------	--	--	--	--	--------------

Female thread



G 1/4	RBE 08.1101	X	X	X	X	RBE 08.2101
G 3/8	RBE 08.1102	X	X	X	X	RBE 08.2102
G 1/2	RBE 08.1103	X	X	X	X	RBE 08.2103
NPT 1/4	RBE 08.1201	X	X	X	X	RBE 08.2201
NPT 3/8	RBE 08.1202	X	X	X	X	RBE 08.2202
NPT 1/2	RBE 08.1203	X	X	X	X	RBE 08.2203
UN 3/4 - 16*	RBE 08.1319		X	X	X	RBE 08.2319

*To norm SAE J 1926

Male thread



G 1/4	RBE 08.1151	X	X	X	X	RBE 08.2151
G 3/8	RBE 08.1152	X	X	X	X	RBE 08.2152
G 1/2	RBE 08.1153	X	X	X	X	RBE 08.2153
NPT 1/4	RBE 08.1251	X	X	X	X	RBE 08.2251
NPT 3/8	RBE 08.1252	X	X	X	X	RBE 08.2252
NPT 1/2	RBE 08.1253	X	X	X	X	RBE 08.2253

For rubber hose



Ø 8 mm	RBE 08.1808	X	X	X		RBE 08.2808
Ø 10 mm	RBE 08.1810	X	X	X		RBE 08.2810
Ø 13 mm	RBE 08.1813	X	X	X		RBE 08.2813
Ø 16 mm	RBE 08.1816	X	X	X		RBE 08.2816

For plastic tube



Ø 8/10 mm	RBE 08.1908	X	X			RBE 08.2908
Ø 10/12 mm	RBE 08.1910	X	X			RBE 08.2910

For copper tube



Ø 8/10 mm	RBE 08.1708	X	X			RBE 08.2708
Ø 10/12 mm	RBE 08.1710	X	X			RBE 08.2710

For stainless steel tube



Ø 10 mm ext.	RBE 08.1770	X	X	X	X	RBE 08.2770
Ø 12 mm ext.	RBE 08.1772	X	X	X	X	RBE 08.2772
Ø 3/8" ext.	RBE 08.1755	X	X	X	X	RBE 08.2755
Ø 1/2" ext.	RBE 08.1756	X	X	X	X	RBE 08.2756



UNVALVED PLUGS

STANDARD
IA
IC
IA/HP
IC/HP



VALVED PLUGS

delivered with Nitrile (NBR) dust cap

END CONNECTION

PART NUMBERS

PART NUMBERS

END CONNECTION

Female thread

G 1/4	RBE 08.6101	X	X	X	
G 3/8	RBE 08.6102	X	X	X	
G 1/2	RBE 08.6103	X	X	X	
NPT 1/4	RBE 08.6201	X	X	X	
NPT 3/8	RBE 08.6202	X	X	X	
NPT 1/2	RBE 08.6203	X	X	X	

		X	X	X	X	X	RBE 08.7101	G 1/4
		X	X	X	X	X	RBE 08.7102	G 3/8
		X	X	X	X	X	RBE 08.7103	G 1/2
		X	X	X	X	X	RBE 08.7201	NPT 1/4
		X	X	X	X	X	RBE 08.7202	NPT 3/8
		X	X	X	X	X	RBE 08.7203	NPT 1/2
		X	X	X	X	X	RBE 08.7319	UN 3/4 - 16*

* To norm SAE J 1926

Male thread

G 1/4	RBE 08.6151	X	X	X		
G 3/8	RBE 08.6152	X	X	X		
G 1/2	RBE 08.6153	X	X	X		
NPT 1/4	RBE 08.6251	X				
NPT 3/8	RBE 08.6252	X				
NPT 1/2	RBE 08.6253	X				

		X	X	X	X	X	RBE 08.7151	G 1/4
		X	X	X	X	X	RBE 08.7152	G 3/8
		X	X	X	X	X	RBE 08.7153	G 1/2
		X	X	X	X	X	RBE 08.7251	NPT 1/4
		X	X	X	X	X	RBE 08.7252	NPT 3/8
		X	X	X	X	X	RBE 08.7253	NPT 1/2

For rubber hose

Ø 6 mm	RBE 08.6806	X	X				
Ø 8 mm	RBE 08.6808	X	X				
Ø 10 mm	RBE 08.6810	X	X				
Ø 13 mm	RBE 08.6813	X	X				
Ø 16 mm	RBE 08.6816	X	X				

		X	X	X		RBE 08.7808	Ø 8 mm
		X	X	X		RBE 08.7810	Ø 10 mm
		X	X	X		RBE 08.7813	Ø 13 mm
		X	X	X		RBE 08.7816	Ø 16 mm

For plastic tube

Ø 8/10 mm	RBE 08.6908	X				RBE 08.7908	Ø 8/10 mm
Ø 10/12 mm	RBE 08.6910	X				RBE 08.7910	Ø 10/12 mm

For copper tube

Ø 8/10 mm	RBE 08.6708	X				RBE 08.7708	Ø 8/10 mm
Ø 10/12 mm	RBE 08.6710	X				RBE 08.7710	Ø 10/12 mm



UNVALVED PLUGS

STANDARD
IA
IC
IA/HPI
IC/HPI



VALVED PLUGS

delivered with Nitrile (NBR) dust cap

END CONNECTION	PART NUMBERS					PART NUMBERS	END CONNECTION
For stainless steel tube							
Ø 10 mm ext.	RBE 08.6770		X		X		
Ø 12 mm ext.	RBE 08.6772		X		X		
Ø 3/8" ext.	RBE 08.6755		X		X		
Ø 1/2" ext.	RBE 08.6756		X		X		
		X	X	X	X	RBE 08.7770	Ø 10 mm ext.
		X	X	X	X	RBE 08.7772	Ø 12 mm ext.
		X	X	X	X	RBE 08.7755	Ø 3/8" ext.
		X	X	X	X	RBE 08.7756	Ø 1/2" ext.



For stainless steel tube



DUST CAPS

for socket



RBE 08.8500

X

X

Dust cap for sockets equipped with safety-key :
add "U" to the selected part number.

for plug



RBE 08.8550

X

in Nitrile for plug



RBE 08.8550/BC

X

Y SOCKETS*

fixed Y 2-direction

X	X	X		RBE 08.8101	G 1/4
X	X	X		RBE 08.8102	G 3/8
X	X	X		RBE 08.8103	G 1/2



mobile Y 2-direction

X	X	X		RBE 08.8600
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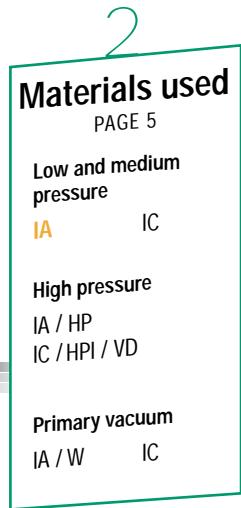


fixed Y 2-direction for rubber hose

X	X	X		RBE 08.8813	Ø 13 mm
X	X	X		RBE 08.8816	Ø 16 mm



* Not available in double shut-off version, nor /W nor colour coded /keyed.



1 Socket standard

Body : stainless steel with 17% chrome content

Seals : Nitrile (NBR)

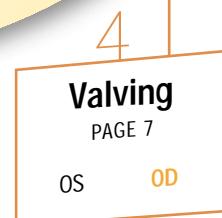
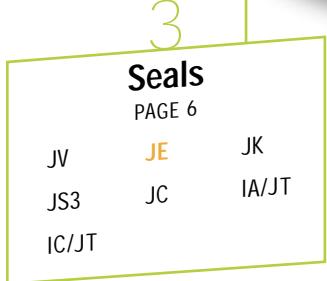
Single shut-off

No further options

RBE 11. 1153

See part numbers page 25

examples of "non standard" part numbers with options :
RBE 11.1153 / IA / JE / OD / 15 / VD / FB
RBE 11.2153 / DKJ



1 Plug standard

Body : stainless steel with 13% chrome content

Seals : Nitrile (NBR)

No further options

2 shut-off options as standard

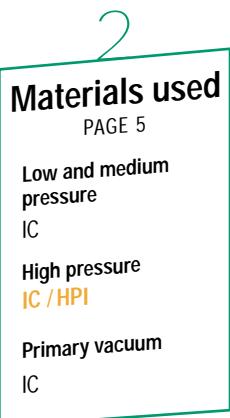
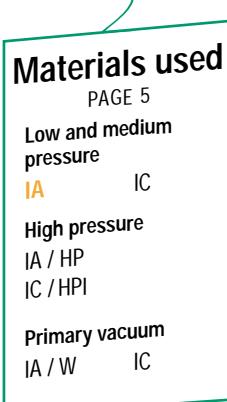


Unvalved
RBE 11. 6153

See part numbers page 26

example of "non standard" part number with options :

RBE 11.6153 / IC / HPI / 15





SOCKETS

STANDARD
IA
IC
IA/HP
IC/HP/VD

PANEL MOUNTED
SOCKETS

END CONNECTION	PART NUMBERS					PART NUMBERS
----------------	--------------	--	--	--	--	--------------

Female thread



G 3/8	RBE 11.1102	X	X	X	X	X	RBE 11.2102
G 1/2	RBE 11.1103	X	X	X	X	X	RBE 11.2103
G 3/4	RBE 11.1104	X	X	X	X	X	RBE 11.2104
NPT 3/8	RBE 11.1202	X	X	X	X	X	RBE 11.2202
NPT 1/2	RBE 11.1203	X	X	X	X	X	RBE 11.2203
NPT 3/4	RBE 11.1204	X	X	X	X	X	RBE 11.2204
UN 7/8 - 14*	RBE 11.1322		X	X	X	X	RBE 11.2322

* To norm SAE J 1926

Male thread



G 3/8	RBE 11.1152	X	X	X	X	X	RBE 11.2152
G 1/2	RBE 11.1153	X	X	X	X	X	RBE 11.2153
G 3/4	RBE 11.1154	X	X	X	X	X	RBE 11.2154
NPT 3/8	RBE 11.1252	X	X	X	X	X	RBE 11.2252
NPT 1/2	RBE 11.1253	X	X	X	X	X	RBE 11.2253
NPT 3/4	RBE 11.1254	X	X	X	X	X	RBE 11.2254

For rubber hose



Ø 8 mm	RBE 11.1808	X					RBE 11.2808
Ø 10 mm	RBE 11.1810	X					RBE 11.2810
Ø 13 mm	RBE 11.1813	X	X	X			RBE 11.2813
Ø 16 mm	RBE 11.1816	X	X	X			RBE 11.2816
Ø 19 mm	RBE 11.1819	X	X	X			RBE 11.2819



UNVALVED PLUGS

STANDARD
IA
IC
IA/HP
IC/HP



VALVED PLUGS

delivered with Nitrile (NBR) dust cap

END CONNECTION	PART NUMBERS						PART NUMBERS	END CONNECTION
Female thread								
G 1/4	RBE 11.6101	X		X				
G 3/8	RBE 11.6102	X		X		X		
G 1/2	RBE 11.6103	X		X		X		
G 3/4	RBE 11.6104	X		X		X		
NPT 3/8	RBE 11.6202	X						
NPT 1/2	RBE 11.6203	X						
NPT 3/4	RBE 11.6204	X						
		X	X	X	X	X	RBE 11.7102	G 3/8
		X	X	X	X	X	RBE 11.7103	G 1/2
		X	X	X	X	X	RBE 11.7104	G 3/4
		X	X	X	X	X	RBE 11.7202	NPT 3/8
		X	X	X	X	X	RBE 11.7203	NPT 1/2
		X	X	X	X	X	RBE 11.7204	NPT 3/4
		X	X	X	X	X	RBE 11.7322	UN 7/8 - 14*

* To norm SAE J 1926

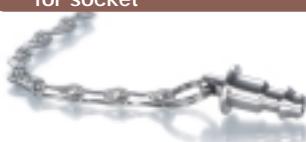
Male thread

G 3/8	RBE 11.6152	X		X		X		
G 1/2	RBE 11.6153	X		X		X		
G 3/4	RBE 11.6154	X		X		X		
NPT 3/8	RBE 11.6252	X						
NPT 1/2	RBE 11.6253	X						
NPT 3/4	RBE 11.6254	X						
		X	X	X	X	X	RBE 11.7152	G 3/8
		X	X	X	X	X	RBE 11.7153	G 1/2
		X	X	X	X	X	RBE 11.7154	G 3/4
		X	X		X		RBE 11.7252	NPT 3/8
		X	X		X		RBE 11.7253	NPT 1/2
		X	X		X		RBE 11.7254	NPT 3/4

For rubber hose

Ø 6 mm	RBE 11.6806	X		X				
Ø 8 mm	RBE 11.6808	X		X				
Ø 10 mm	RBE 11.6810	X		X				
Ø 13 mm	RBE 11.6813	X		X				
Ø 16 mm	RBE 11.6816	X		X				
Ø 19 mm	RBE 11.6819	X		X				
		X	X	X			RBE 11.7813	Ø 13 mm
		X	X	X			RBE 11.7816	Ø 16 mm
		X	X	X			RBE 11.7819	Ø 19 mm

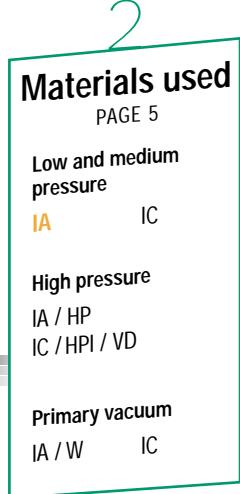
DUST CAPS

END CONNECTION	PART NUMBERS				
	STANDARD	IA	IC	IA/HP	IC/HPI
for socket					
	RBE 11.8500	X	X		
Dust cap for sockets equipped with safety-key : add "U" to the selected part number.					
for plug				X	
	RBE 11.8550				
in Nitrile for plug					
	RBE 11.8550/BC	X			

Y SOCKETS*

	PART NUMBERS			END CONNECTION
fixed Y 2-direction				
X	X	X		RBE 11.8102 G 3/8
X	X	X		RBE 11.8103 G 1/2
X	X	X		RBE 11.8104 G 3/4
mobile Y 2-direction				
X	X	X		RBE 11.8600
fixed Y 2-direction for rubber hose				
X	X	X		RBE 11.8813 Ø 13 mm
X	X	X		RBE 11.8816 Ø 16 mm
X	X	X		RBE 11.8819 Ø 19 mm

* Not available in double shut-off version,
nor /W
nor colour coded /keyed.



1 Socket standard

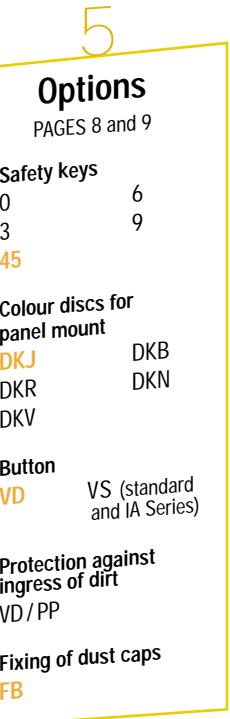
Body : in stainless steel with 17% chrome content
Seals : Nitrile (NBR)

Single shut-off
 No further options

RBE 19. 1154

See part numbers page 29

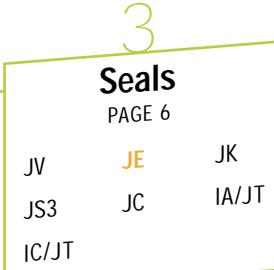
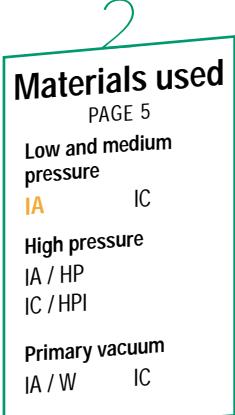
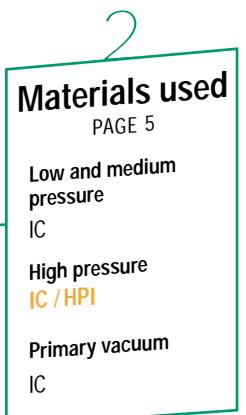
examples of "non standard" part numbers with options :
 RBE 19.1154 / IA / JE / OD / 45 / VD / FB
 RBE 19.2154 / DKJ



Unvalved RBE 19. 6154

See part numbers page 30

example of "non standard" part number with options :
 RBE 19.6154 / IC / HPI / 45





SOCKETS

END CONNECTION | PART NUMBERS

STANDARD
IA
IC
IA/HP
IC/HP/VD



PANEL MOUNTED SOCKETS

PART NUMBERS

Female thread



G 3/4	RBE 19.1104	X	X	X	X	X	RBE 19.2104
G 1	RBE 19.1105	X	X	X	X	X	RBE 19.2105
NPT 3/4	RBE 19.1204	X	X	X	X	X	RBE 19.2204
NPT 1	RBE 19.1205	X	X	X	X	X	RBE 19.2205
UN 1 5/16 - 12*	RBE 19.1333		X	X	X	X	RBE 19.2333

* To norm SAE J 1926

Male thread



G 3/4	RBE 19.1154	X	X	X	X	X	RBE 19.2154
G 1	RBE 19.1155	X	X	X	X	X	RBE 19.2155
NPT 3/4	RBE 19.1254	X	X		X		RBE 19.2254
NPT 1	RBE 19.1255	X	X		X		RBE 19.2255

For rubber hose



Ø 19 mm	RBE 19.1819	X	X	X		RBE 19.2819
Ø 25 mm	RBE 19.1825	X	X	X		RBE 19.2825



UNVALVED PLUGS

STANDARD
IA
IC
IA/HP
IC/HP]



VALVED PLUGS

delivered with Nitrile (NBR) dust cap

END CONNECTION	PART NUMBERS						PART NUMBERS	END CONNECTION
----------------	--------------	--	--	--	--	--	--------------	----------------

Female thread

G 3/4	RBE 19.6104	X	X	X			RBE 19.7104	G 3/4
G 1	RBE 19.6105	X	X	X			RBE 19.7105	G 1
NPT 3/4	RBE 19.6204	X	X	X			RBE 19.7204	NPT 3/4
NPT 1	RBE 19.6205	X					RBE 19.7205	NPT 1
		X	X	X	X	X	RBE 19.7333	UN 1 5/16 - 12*

* To norm SAE J 1926

Male thread

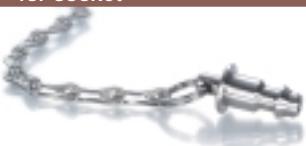
G 3/4	RBE 19.6154	X	X	X			RBE 19.7154	G 3/4
G 1	RBE 19.6155	X	X	X			RBE 19.7155	G 1
NPT 3/4	RBE 19.6254	X	X	X			RBE 19.7254	NPT 3/4
NPT 1	RBE 19.6255	X					RBE 19.7255	NPT 1
		X	X	X	X	X		

For rubber hose

Ø 19 mm	RBE 19.6819	X	X				RBE 19.7819	Ø 19 mm
Ø 25 mm	RBE 19.6825	X	X				RBE 19.7825	Ø 25 mm
		X	X	X				
		X	X	X				

STANDARD
IA
IC
IA/HPI
IC/HPI

DUST CAPS

END CONNECTION	PART NUMBERS				
for socket	RBE 19.8500	X	X		
					
Dust cap for sockets equipped with safety-key : add "U" to the selected part number.					
for plug	RBE 19.8550		X		
					
in Nitrile for plug	RBE 19.8550/BC	X			
					

Y SOCKETS*

				PART NUMBERS	END CONNECTION
fixed Y 2-direction					
X	X	X		RBE 19.8104	G 3/4
X	X	X		RBE 19.8105	G 1
					
mobile Y 2-direction					
X	X	X		RBE 19.8600	
					
fixed Y 2-direction for rubber hose					
X	X	X		RBE 19.8819	Ø 19 mm
X	X	X		RBE 19.8825	Ø 25 mm
					

* Not available in double shut-off version, nor /W nor colour coded /keyed.



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