

PRODUCTS OFFER

RECTUS COUPLERS		Profile	DN	Air  Flow rate NL/min	Water  Flow rate NL/min	Function	Series	PAGE
BRASS Page 122 Brass body 		EURO	2.7	165	-	KA	20	123
		EURO	5	550	-	KA	21	125
		ISO B	5.5	820	-	KA	24	127
		ARO	5.5	660	-	KA	14	128
		EURO	7.2	1070	-	KA	26	129
NICKEL-PLATED BRASS   Page 132 Nickel-plated brass body (*nickel-plated steel) 		Rectus	1.5	50	0.6	KA	2	134
		EURO	2.7	130 to 165	1.2 to 1.5	KA, KB, KF	20	135
		EURO	5	310 to 550	2.7 to 7	KA, KB, KF	21	139
		Rectus	5	310 to 550	2.7 to 7	KA, KB	21 coded	139
		ISO B	5.5	960	14	KA	23	145
		ISO C	5.5	970	12.7	KA	18	146
		ARO	5.5	800	15	KA	22	147
		EURO	7.8	710 to 1800	7.1 to 28	KA, KB, KF	25	148
		Rectus	7.8	710 to 1800	7.1 to 28	KA, KB	25 coded	148
		ISO B	8.5	1050	14	KA	30*	152
		ARO	9	1400	18	KA	40	153
		EURO	10	950 to 2400	14 to 31	KA, KB, KF	27	154
		ISO B	11	2600	33	KA	37	156
		ISO 7241-1 B	13	-	79	KB	75	157
		American	15	2150	27	KB	38	158
		American	19	3000	33	KB	39	159
STAINLESS STEEL   Page 160 Stainless steel body 303 or 316L 		EURO	2.7	130	1.2	KA, KB, KF	20	161
		ISO C	3	160	2.2	KB	303	164
		EURO	5	310	2.7	KA, KB, KF	21	165
		Rectus	5	310	2.7	KA, KB, KF	21 coded	165
		EURO	7.4	710	7.1	KA, KB, KF	25	169
		EURO	10	950	14	KA, KB, KF	27	172
		ISO 7241-1 B	4.3-20	-	6 to 117	KB, KF	70	174
HIGH FLOW  Page 176 Steel body 		ISO B	5.5	950	-	KA	1400/1423	177
		EURO	7.8	2020	-	KA	1600/1625	178
		EURO	10	3500	-	KA	1700/1727	179
SAFETY DISCONNECTION Page 180 	Industrial version   Nickel-plated brass body	Rectus	5-7.8	310 to 1800	2.7 to 28	KS, KD	21/25	182
	Breathing air version  Nickel-plated brass or 303 stainless steel body	Rectus	7.4	1700	-	KS	95/96	184
SELF-VENTING SAFETY Page 186 	Push-button version  Aluminium body	ISO B	5.5-8	675 to 1970	-	KP	24/30	188, 191
		ISO C	5.5-8	810 to 2100	-	KP	18/84	189, 192
		EURO	7.4	1225	-	KP	26	190
	Translation sleeve version  Nickel-plated steel brass body	ISO B	5.5	950	-	KE	1400	193
		ARO	5.5	1400	-	KE	14	194
		EURO	7.4-10	830 to 3500	-	KE	26/1600/1700	195
	Rotating sleeve version  Technical polymer body	ARO	5.5	1250	-	KE	94**A	198
		ISO B	5.5-8	1250 to 2400	-	KE	94**U	199, 200
		EURO	7.2	2000	-	KE	94**E	201
THERMOPLASTICS Page 202 Engineering polymer body 		EURO	5	310 to 550	2.7 to 7	KB	21	202
		Rectus	5	310 to 550	2.7 to 7	KB	21 coded	203
		Rectus	7	770 to 1100	12 to 17	KB	48/48 coded	208
		ISO 7241-1 B	6-20	-	-	KB	70	211
FLAT FACE  Page 212 Nickel-plated brass body or stainless steel 		EURO	5-7.8	-	2.7 to 7.1	KL	21/25	215, 218
		Rectus	4-6-9 & 3-9	-	1.2 to 27	KL	200	214, 217, 219

HOW TO CHOOSE YOUR COUPLER

What type of fluid do you wish to convey?



Parker offers ranges dedicated to **compressed air and neutral gases**. Most of our couplers have a minimum vacuum performance of 96%.



Parker presents ranges specifically designed for **water**, including:

- *Industrial water (tap water).*
- *Treated water (deionised, pure and demineralised)*

All our solutions are compatible with glycol mixtures.



Parker also has ranges compatible with **technical gases**:

- *Oxygen, breathing air, carbon dioxide, analytical gases, anaesthetic gases and inert gases.*

In what kind of environment do you use your coupler?

Fluids	Standard	Aggressive	Corrosive	Environment
Treated water 	Stainless steel couplers	Stainless steel couplers	Stainless steel couplers	
Industrial water 	Brass couplers with treatment	Brass couplers with treatment	Stainless steel couplers	
Neutral air and gases 	Brass couplers	Brass couplers with treatment	Stainless steel couplers	

Which function do you require?

FLOW CONTROL?



KA Single Shut-off

- The plug is full bore
- Flow is stopped by the valve inside the coupler during disconnection.



KB Double Shut-off

- Valve in the end piece and coupler
- Pressure is maintained on both sides.



KF Straight-Through

- Better flow rate/no turbulence
- Ideal for use with liquids



KL Dry-Break

- The coupler and the plug have a flat valve.
- Ideal to prevent drops of the medium escaping

ENSURE SAFETY?

with an anti-disconnection system



KS Single Shut-off

- Same as KA with locking mechanism to prevent accidental disconnection



KD Double Shut-off

- Same as KB with locking mechanism to prevent accidental disconnection

with self-venting system anti whiplash effect



KE Self-venting Sleeve Design

- Self-venting system to prevent accidental disconnection or whiplash effect



KP Self-venting Push Button

HOW TO CHOOSE YOUR COUPLER

Do you have any compliance requirements?

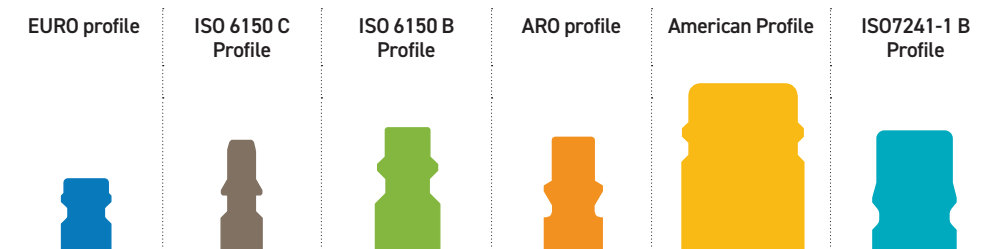
- All our products comply with RoHS and REACH standards.
- All our processes comply with ISO 9001 and ISO 14001 standards.

For a complete list of our certificates, [please click here.](#)



What profile do you need?

The standard profiles of the Rectus couplers range in the catalogue are as follows:



Parker also offers other profiles for its Rectus couplers, available at parker.com.

DN	Profile	Series	QR code
2	Rectus	Mini series	
2.5	German	50 series	
3	Rectus	Mini series	
5	British	17 series	
5	Rectus	Standard series	
5.5	British	19 series	

DN	Profile	Series	QR code
6	German	52 series	
7.5	Japanese	13 series	
8	Scandinavian	33 series	
10	Rectus	41 series	
10	Scandinavian	34 series	
12	German	57 series	

Part number identification

Couplers

KA = Single Shut-off
KB = Double Shut-off
KF = Straight Through
KL = Flat face (double Shut-off)
KE = Self-venting system
KP = Push button
KS = Safety (Single Shut-off)
KD = Safety (Double Shut-off)

Plugs

SF = Single Shut-off
SB = Double Shut-off
SL = Flat face (double Shut-off)
SS = Safety (Single Shut-off)
SD = Safety (Double Shut-off)

Metric threads

05 = M5
10 = M10 x 1
12 = M12 x 1.5
14 = M14 x 1.5
16 = M16 x 1.5
18 = M18 x 1.5

Thread sizes

10 = 1/8"
13 = 1/4"
17 = 3/8"
21 = 1/2"
26 = 3/4"
33 = 1"

Hose connection

03 = for 3 mm LW (1/8")
04 = for 4 mm LW (5/32")
06 = for 5 mm LW (1/4")
08 = for 8 mm LW (5/16")
09 = for 9 mm LW (3/8")
13 = for 13 mm LW (1/2")
19 = for 19 mm LW (3/4")
25 = for 25 mm LW (1")

Plastic hose

04 = for 3 x 4 mm
05 = for 3 x 5 mm
36 = for 3 x 6.3 mm
06 = for 4 x 6 mm
46 = for 4 x 6.3 mm
08 = for 6 x 8 mm
10 = for 8 x 10 mm
12 = for 9 x 12 mm
16 = for 13 x 16 mm

Seal

X = Without seal
P = Perbunan (NBR)
V = FKM/FPM
E = Ethylene Propylene Diene Monomer (EPDM)
S = Silicone
K = FFKM

**Addition 2
Colour code**

B = Blue
G = Green
R = Red
Y = Yellow

Surface

X = without surface treatment
N = nickel-plated
Z = zinc-coated
P = PEEK compression springs (only for Rectuchem+)

21**KA****AW****13****M****P****X****X****X**

Serial
numbers

Material

M = Brass CuZn39Pb3 2.0401 (except sleeve)
B = Brass CuZn39Pb3 2.0401 (completely)
S = 9SMnPb28K steel 1.0718
R = AISI 303 stainless steel
E = AISI 316 L stainless steel
D = POM (Delrin)
F = PVDF

Hose connection

TF = Hose barb
TH = Hose barb 45°
TS = Panel Mount with Hose barb
TD = for DIN EN 560 tube
TE = Front Panel Installation, Hose Barb Panel Mount

Plastic Tube connection

KO = with Hose Nut, without spring guard
KS = Panel mounted, without spring guard
KE = Panel mounted, with plastic hose connection
KK = with spring guard

Male threads

AW = BSP parallel
AM = Metric thread DIN 13
AK = BSP tapered
AN = NPT thread
RP = with LF Push-In connection
AF = UNF
AO = Hexagon fitted with a seal
AR = 90° tapered BSP

Female threads

IW = Parallel Withworth ISO 228
IM = Metric DIN 13
IN = NPSF B1.20.3
IT = Conical NPT B1.20.1

Addition 1

S = Marking for special version
0 = RECTUKey round
3 = RECTUKey triangle
6 = RECTUKey hexagon
8 = RECTUKey octagon

