

# Quick-Acting Couplers

**Polymer Safety, C 9000**

**Metal**

**Quick-Acting Couplers Accessories**



# Quick-Acting Couplers

## C 9000 Polymer Quick-Acting Safety Couplers (P. 8-7)



**Fluids:** compressed air

**Materials:** reinforced technical polymer, nickel-plated brass

**Pressure:** 16 bar

**Temperature:** -20°C to +60°C

**DN** : 5.5 mm to 8 mm

## Metal Quick-Acting Couplers (P. 8-19)



**Fluids:** compressed air, water, industrial fluids

**Materials:** nickel-plated brass

**Pressure:** 20 bar

**Temperature:** -20°C to +100°C

**DN** : 2 mm to 19 mm

## Metal Quick-Acting Couplers Accessories (P. 8-30)



**Fluids:** industrial fluids

**Materials:** brass or nickel-plated brass

**Pressure:** 20 bar

**Temperature:** -5°C to +60°C

**DN** : 5,5 mm to 8 mm

## 3 Shut-Off Functions

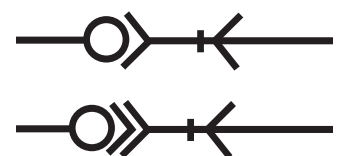
### Straight-Through

These couplers work without shut-off, meaning they offer maximum flow. Straight-Through couplers are designed to carry fluids such as water, coolants, etc. Before disconnection, the fluid flow must be shut off using a valve located upstream of the coupler.



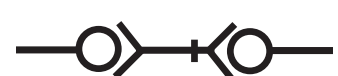
### Single Shut-Off (with or without vent)

On our single shut-off couplers, the male probe is straight-through. The fluid flow can be stopped in the female coupler when disconnected. The circuit can be vented upstream to avoid any risk of whiplash.



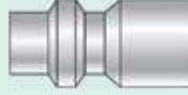
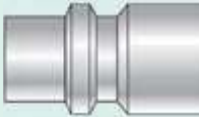

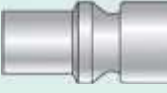
### Double Shut-Off

On our double shut-off couplers, after disconnection, flow is prevented both upstream of the female coupler and downstream of the probe. Both sides of the circuit remain under pressure.



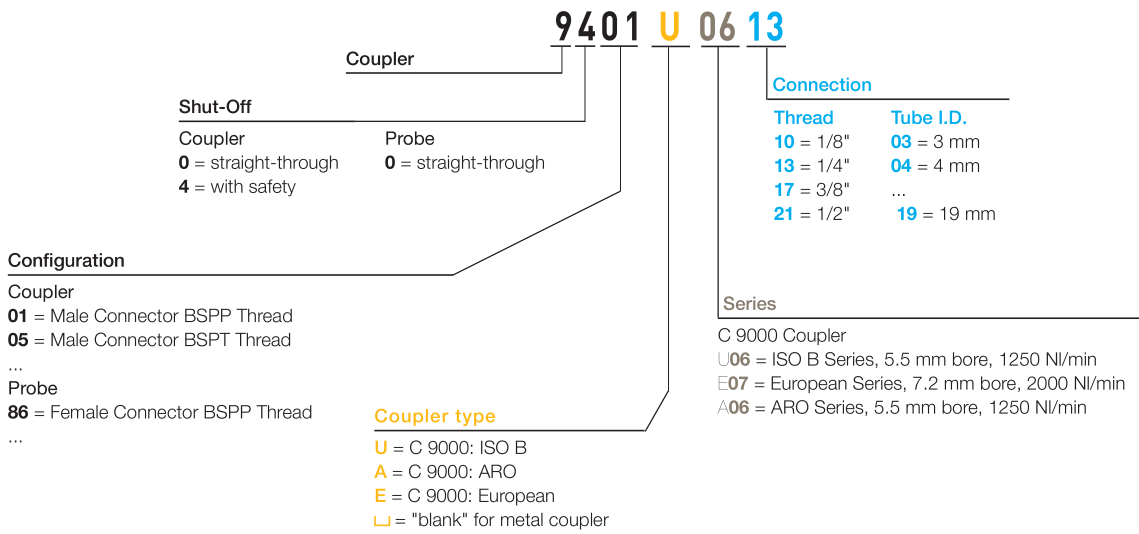
# Technology and Flow Rates

The profiles of the Parker Legris quick-acting couplers are manufactured to conform to international standards and are interchangeable with other manufacturers' products meeting these standards.

Profile Description	Profile	Interchangeability	Flow (NI/min)	Bore Diameter (mm)
<b>ISO B Standard</b>		C 9000	1250	5.5
		C 9000	2400	8
<b>European Standard</b>		C 9000	2000	7.2
<b>ARO Standard</b>		C 9000	1250	5.5

# Quick-Acting Coupler Part Numbers

Standard Product



# C 9000 Polymer Quick-Acting Safety Coupler Range

## C 9000 Polymer Quick-Acting Safety Couplers

### ISO B Profile

**9401U** Page 8-10   **9405U** Page 8-10   **9414U** Page 8-10   **9410U** Page 8-10   **9421U** Page 8-10   **9416U** Page 8-11   **9440U** Page 8-11



**9087U** Page 8-11   **9086U** Page 8-11   **9080U** Page 8-12   **9094U** Page 8-12



### European Profile

**9401E** Page 8-13   **9414E** Page 8-13   **9410E** Page 8-13   **9421E** Page 8-13   **9416E** Page 8-13   **9440E** Page 8-14



**9087E** Page 8-14   **9086E** Page 8-14   **9080E** Page 8-14   **9094E** Page 8-14



### ARO Profile

**9401A** Page 8-15   **9405A** Page 8-15   **9414A** Page 8-15   **9410A** Page 8-15   **9421A** Page 8-15   **9416A** Page 8-16   **9440A** Page 8-16



**9087A** Page 8-16   **9086A** Page 8-16   **9084A** Page 8-16   **9080A** Page 8-17   **9094A** Page 8-17



# C 9000 Polymer Quick-Acting Safety Couplers

This range of ergonomic polymer couplers has been designed for **the safety of operators and machinery** while giving very high **energy efficiency performance**. Available in three profile standards, it is perfectly suited for any type of installation.

## Product Advantages

- |                                 |  |
|---------------------------------|--|
| <b>Safety &amp; Reliability</b> | <ul style="list-style-type: none"> <li>Prevents risk of whiplash</li> <li>Quick-acting vent allowing disconnection to be carried out in total safety</li> <li>Rotating sleeve to avoid risk of accidental disconnection</li> <li>Low connection/disconnection force even under pressure</li> <li>Polymer sleeve protects equipment from scratching</li> <li>Protective spiral over the tube prevents kinking</li> </ul>  |
| <b>Performance</b>              | <ul style="list-style-type: none"> <li>Very high flow and low pressure drop</li> <li>100% leak-tested in production</li> <li>Date coding to guarantee quality and traceability</li> <li>Robust impact-resistant material</li> <li>Optimum energy efficiency</li> <li>Long-term reliability</li> </ul>  |
| <b>Easy-to-Use</b>              | <ul style="list-style-type: none"> <li>Immediate identification by clear marking on each model showing:                             <ul style="list-style-type: none"> <li>• profile of the compatible male probe</li> <li>• type part number</li> </ul> </li> <li>Compatible with male probes conforming to:                             <ul style="list-style-type: none"> <li>• ISO B profile</li> <li>• European profile</li> <li>• ARO profile</li> </ul> </li> </ul> |



- Applications**
- Workshops
  - Cleaning
  - Blowing
  - Pneumatics
  - Air-Operated Tools
  - Ring Main Circuits
  - Packaging

## Technical Characteristics

<b>Compatible Fluids</b>	Compressed air
<b>Working Pressure</b>	0 to 16 bar
<b>Working Temperature</b>	-20°C to +60°C

### Regulations

- DI: 97/23/EC (PED)
- DI: 2002/95/EC (RoHS), 2011/65/EC
- DI: 1907/2006 (REACH)
- ISO 4414 Pneumatic Fluid Power: General Rules Relating to Systems
- DIN EN 983 Safety Standard for Pneumatics

### Component Materials

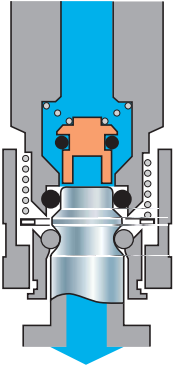


**Silicone-free**

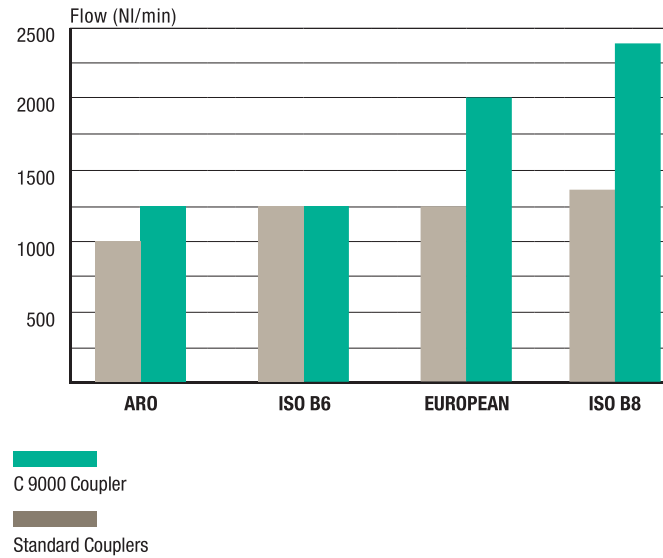
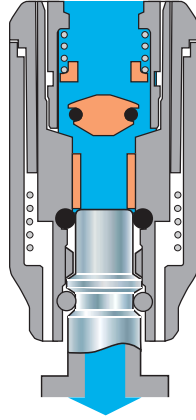
# C 9000 Polymer Quick-Acting Safety Couplers

## C 9000 Technology and Flow Rates

"Typical" quick-acting coupler  
Standard "poppet" technology  
Flow: 1400 NI/min



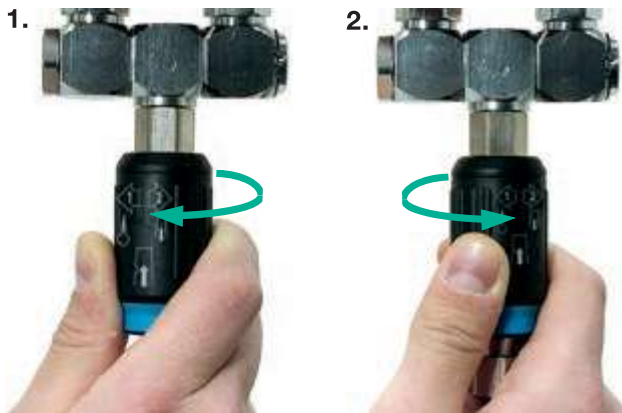
C 9000 quick-acting coupler  
"Optimal flow" technology  
Flow: 2400 NI/min



Measurements carried out in accordance with ISO 6358 at a pressure of 6 bar, pressure drop < 0.7 bar

## Operation

### Operation



Disconnecting the probe

Rotation, arrow 1: circuit vented on probe side.

Rotation, arrow 2: probe disconnected from the body.

Connecting the probe

The sleeve does not need to be rotated to connect the probe.

### Venting Time



ISO B6 profile, recoil tubing (I.D. 6 mm, length 6 m)

Venting time = 350 ms (transition from 6 bar to 0.2 bar)

ISO B8 profile, PVC tubing (I.D. 10 mm, length 25 m)

Venting time = 860 ms (transition from 6 bar to 0.2 bar)

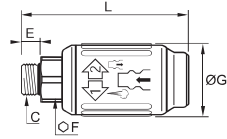
Even with longer lengths of tubing, the vent time of the C 9000 coupler can be less than 1 second.

# ISO B Profile



## 9401U Coupler, Male BSPP Thread

Technical polymer, nickel-plated brass, NBR



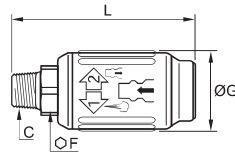
DN	C		E	F	G	L	Kg
5.5	G1/4	9401U06 13	7.5	17	31.5	74	0.075
	G3/8	9401U06 17	8.5	21	31.5	76.5	0.095
	G1/2	9401U06 21	10.5	25	31.5	80	0.115
8	G1/4	9401U08 13	6.5	22	36.5	81.5	0.120
	G3/8	9401U08 17	7.5	22	36.5	82.5	0.133
	G1/2	9401U08 21	9	25	36.5	85.5	0.140

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 NI/min

C 9000 Series ISO B (DN 8): single shut-off = 2400 NI/min

## 9405U Coupler, Male BSPT Thread

Technical polymer, nickel-plated brass, NBR



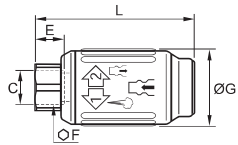
DN	C		F	G	L	Kg
5.5	R1/4	9405U06 13	17	31.5	75	0.075
	R3/8	9405U06 17	19	31.5	76.5	0.095
	R1/2	9405U06 21	22	31.5	81.5	0.110
8	R1/4	9405U08 13	22	36.5	84	0.120
	R3/8	9405U08 17	22	36.5	84	0.120
	R1/2	9405U08 21	22	36.5	88	0.140

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 NI/min

C 9000 Series ISO B (DN 8): single shut-off = 2400 NI/min

## 9414U Coupler, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR



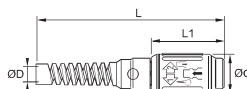
DN	C		E	F	G	L	Kg
5.5	G1/4	9414U06 13	12	17	31.5	66.5	0.070
	G3/8	9414U06 17	12	22	31.5	72	0.085
	G1/2	9414U06 21	15	27	31.5	78	0.115
8	G1/4	9414U08 13	12	22	36.5	75	0.127
	G3/8	9414U08 17	12	22	36.5	75	0.144
	G1/2	9414U08 21	15	27	36.5	80	0.138

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 NI/min

C 9000 Series ISO B (DN 8): single shut-off = 2400 NI/min

## 9410U Coupler, LF 3000® Push-In Connection, Body Spiral Protection Spring

Technical polymer, nickel-plated brass, NBR



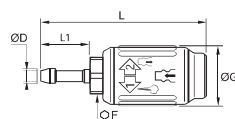
DN	ØD		G	L	L1	Kg
5.5	8	9410U06 08	31.5	145	56	0.096
	10	9410U06 10	31.5	145	56	0.080
8	10	9410U08 10	36.5	155	63	0.175
	12	9410U08 12	36.5	165	63	0.162

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 NI/min

C 9000 Series ISO B (DN 8): single shut-off = 2400 NI/min

## 9421U Coupler with Hosetail

Technical polymer, nickel-plated brass, NBR



DN	ØD		F	G	L	L1	Kg
5.5	6	9421U06 06	17	31.5	88.5	26	0.070
	8	9421U06 08	17	31.5	88.5	26	0.070
	10	9421U06 10	17	31.5	88.5	26	0.070
8	6	9421U08 06	22	36.5	95	26	0.110
	8	9421U08 08	22	36.5	95	26	0.100
	10	9421U08 10	22	36.5	95	26	0.124
	13	9421U08 13	22	36.5	99	30	0.125

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 NI/min

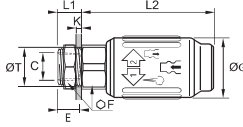
C 9000 Series ISO B (DN 8): single shut-off = 2400 NI/min

# ISO B Profile



## 9416U Coupler, Bulkhead Mountable, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR



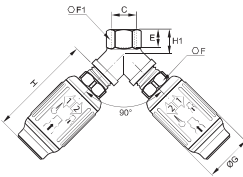
(DN)	C		E	F	G	K <sub>max</sub>	L1	L2	ØT <sub>min</sub>	Kg
5.5	G1/4	<a href="#">9416U06 13</a>	12	22	31.5	6	12.5	68.5	18.5	0.105
8	G3/8	<a href="#">9416U08 17</a>	12	24	36.5	7	14.5	76	22.5	0.150

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 NI/min

C 9000 Series ISO B (DN 8): single shut-off = 2400 NI/min

## 9440U Y Coupler, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR



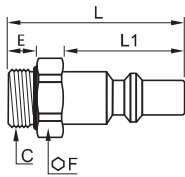
(DN)	C		E	F	F1	G	H	H1	Kg
5.5	G3/8	<a href="#">9440U06 17</a>	11.5	19	20	31.5	70	16	0.207
8	G1/2	<a href="#">9440U08 21</a>	14	22	25	36.5	80	19	0.352

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 NI/min

C 9000 Series ISO B (DN 8): single shut-off = 2400 NI/min

## 9087U Probe, Straight-Through, Male BSPP Thread

Nickel-plated steel, technical polymer

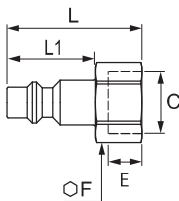


(DN)	C		E	F	L	L1	Kg
5.5	G1/4	<a href="#">9087U06 13</a>	9	13	39	24	0.026
	G3/8	<a href="#">9087U06 17</a>	9	17	38	24	0.032
	G1/2	<a href="#">9087U06 21</a>	9	19	39	24	0.048
8	G1/4	<a href="#">9087U08 13</a>	9	17	38	24	0.030
	G3/8	<a href="#">9087U08 17</a>	9	19	39	24	0.036
	G1/2	<a href="#">9087U08 21</a>	12	22	42	24	0.058

Probe without shut-off

## 9086U Probe, Straight-Through, Female BSPP Thread

Treated steel

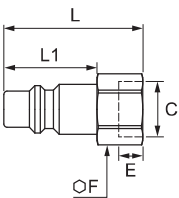


(DN)	C		E	F	L	L1	Kg
5.5	G1/4	<a href="#">9086 23 13</a>	9	17	36	24	0.025
	G3/8	<a href="#">9086 23 17</a>	9	19	36	24	0.025
	G1/2	<a href="#">9086 23 21</a>	12	24	39	24	0.039

Probe without shut-off

## 9086U Probe, Straight-Through, Female BSPP Thread

Nickel-plated steel



(DN)	C		E	F	L	L1	Kg
8.5	G1/4	<a href="#">9086 30 13</a>	10	17	40	28	0.032
	G3/8	<a href="#">9086 30 17</a>	10	19	42	28	0.035
	G1/2	<a href="#">9086 30 21</a>	12	24	43	28	0.046

Probe without shut-off

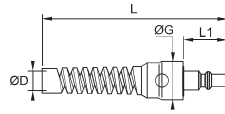
C 9000 Series probe (DN 8.5) compatible with ISO B Series C 9000 couplers (DN 8)

# ISO B Profile



## 9080U Probe, Straight-Through, LF 3000® Push-In Connection, with Spiral Protection Spring

Nickel-plated steel, NBR

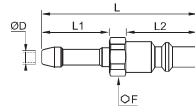


DN	ØD		G	L	L1	Kg
5.5	8	<a href="#">9080U06 08</a>	24	112	24	0.052
	10	<a href="#">9080U06 10</a>	24	112	24	0.044
8	10	<a href="#">9080U08 10</a>	24	114	26	0.095
	12	<a href="#">9080U08 12</a>	29.5	125	26	0.096

Probe without shut-off

## 9094U Probe, Straight-Through, with Hosetail

Nickel-plated steel



DN	ØD		F	L	L1	L2	Kg
5.5	6	<a href="#">9094U06 06</a>	14	51	24	25	0.016
	8	<a href="#">9094U06 08</a>	14	51	27	25	0.017
	10	<a href="#">9094U06 10</a>	14	51	24	25	0.018
8	8	<a href="#">9094U08 08</a>	17	51	24	25	0.027
	10	<a href="#">9094U08 10</a>	17	51	27	25	0.028
	13	<a href="#">9094U08 13</a>	17	51	24	25	0.031

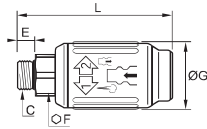
Probe without shut-off

# European Profile



## 9401E Coupler, Male BSP Thread

Technical polymer, nickel-plated brass, NBR

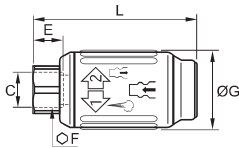


DN	C		E	F	G	L	Kg
7.2	G1/4	9401E07 13	6.5	22	36.5	80	0.124
	G3/8	9401E07 17	7.5	22	36.5	81	0.122
	G1/2	9401E07 21	9	25	36.5	83.5	0.136

C 9000 Series: single shut-off = 2000 NI/min

## 9414E Coupler, Female BSP Thread

Technical polymer, nickel-plated brass, NBR

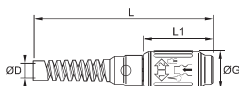


DN	C		E	F	G	L	Kg
7.2	G1/4	9414E07 13	12	22	36.5	73	0.118
	G3/8	9414E07 17	12	22	36.5	73	0.109
	G1/2	9414E07 21	15	27	36.5	78	0.130

C 9000 Series: single shut-off = 2000 NI/min

## 9410E Coupler, LF 3000® Push-In Connection, with Spiral Protection Spring

Technical polymer, nickel-plated brass, NBR

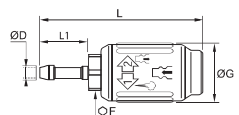


DN	ØD		G	L	L1	Kg
7.2	10	9410E07 10	36.5	151	63	0.175
	12	9410E07 12	36.5	151	63	0.180

C 9000 Series: single shut-off = 2000 NI/min

## 9421E Coupler with Hosetail

Technical polymer, nickel-plated brass, NBR

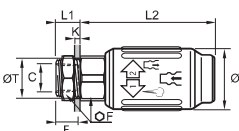


DN	ØD		F	G	L	L1	Kg
7.2	8	9421E07 08	22	36.5	93	26	0.113
	10	9421E07 10	22	36.5	93	26	0.114
	13	9421E07 13	22	36.5	97	30	0.119

C 9000 Series: single shut-off = 2000 NI/min

## 9416E Coupler, Bulkhead Mountable, Female BSP Thread

Technical polymer, nickel-plated brass, NBR



DN	C		E	F	G	K <sub>max</sub>	L1	L2	ØT <sub>min</sub>	Kg
7.2	G3/8	9416E07 17	12	24	36.5	7	14.5	74	22.5	0.153

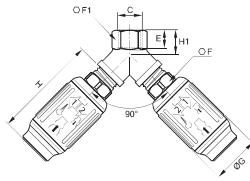
C 9000 Series: single shut-off = 2000 NI/min

# European Profile



## 9440E Y Coupler, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR

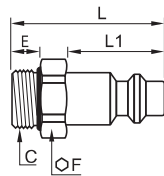


DN	C		E	F	F1	G	H	H1	Kg
7.2	G1/2	<a href="#">9440E07 21</a>	14	25	25	36.5	78	19	0.335

C 9000 Series: single shut-off = 2000 NI/min

## 9087E Probe, Straight-Through, Male BSPP Thread

Nickel-plated steel, technical polymer

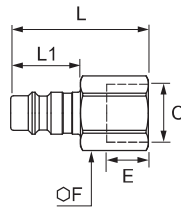


DN	C		E	F	L	L1	Kg
7.2	G1/4	<a href="#">9087E07 13</a>	9	14	34	20	0.018
	G3/8	<a href="#">9087E07 17</a>	9	17	34	20	0.025
	G1/2	<a href="#">9087E07 21</a>	12	22	38	20	0.048

Probe without shut-off

## 9086E Probe, Straight-Through, Female BSPP Thread

Nickel-plated steel

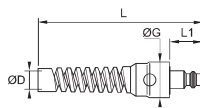


DN	C		E	F	L	L1	Kg
7.4	G1/8	<a href="#">9086 25 10</a>	7	14	32	20	0.016
	G1/4	<a href="#">9086 25 13</a>	9	17	38.5	20	0.027
	G3/8	<a href="#">9086 25 17</a>	9	19	33	20	0.027
	G1/2	<a href="#">9086 25 21</a>	12	24	36	20	0.048

Probe without shut-off

## 9080E Probe, Straight-Through, LF 3000® Push-In Connection, with Spiral Protection Spring

Nickel-plated steel, NBR

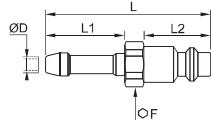


DN	ØD		G	L	L1	Kg
7.2	10	<a href="#">9080E07 10</a>	24	114	20	0.102
	12	<a href="#">9080E07 12</a>	29.5	125	20	0.088

Probe without shut-off

## 9094E Probe, Straight-Through, with Hosetail

Nickel-plated steel



DN	ØD		F	L	L1	L2	Kg
7.2	8	<a href="#">9094E07 08</a>	17	48	20	25	0.015
	10	<a href="#">9094E07 10</a>	17	48	20	25	0.016
	13	<a href="#">9094E07 13</a>	17	48	20	25	0.020

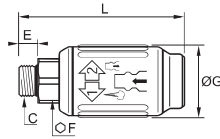
Probe without shut-off

# ARO Profile



## 9401A Coupler, Male BSPP Thread

Technical polymer, nickel-plated brass, NBR

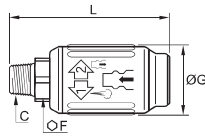


DN	C		E	F	G	L	Kg
5.5	G1/4	9401A06 13	6.5	17	31.5	70.5	0.105
	G3/8	9401A06 17	9	21	31.5	73.5	0.123
	G1/2	9401A06 21	9	25	31.5	70.5	0.150

C 9000 Series: single shut-off = 1250 NI/min

## 9405A Coupler, Male BSPT Thread

Technical polymer, nickel-plated brass, NBR

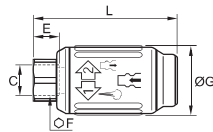


DN	C		F	G	L	Kg
5.5	R1/4	9405A06 13	17	31.5	73	0.105
	R3/8	9405A06 17	19	31.5	74.5	0.110
	R1/2	9405A06 21	22	31.5	79.5	0.140

C 9000 Series: single shut-off = 1250 NI/min

## 9414A Coupler, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR

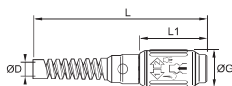


DN	C		E	F	G	L	Kg
5.5	G1/4	9414A06 13	12	17	31.5	64.5	0.095
	G3/8	9414A06 17	12	22	31.5	70	0.115
	G1/2	9414A06 21	15	27	31.5	76	0.145

C 9000 Series: single shut-off = 1250 NI/min

## 9410A Coupler, LF 3000® Push-In Connection, with Spiral Protection Spring

Technical polymer, nickel-plated brass, NBR

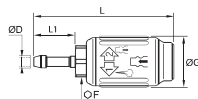


DN	ØD		G	L	L1	Kg
5.5	8	9410A06 08	31.5	143	54	0.140
	10	9410A06 10	31.5	143	54	0.175

C 9000 Series: single shut-off = 1250 NI/min

## 9421A Coupler with Hosetail

Technical polymer, nickel-plated brass, NBR



DN	ØD		F	G	L	L1	Kg
5.5	6	9421A06 06	17	31.5	86.5	26	0.110
	8	9421A06 08	17	31.5	86.5	26	0.100
	10	9421A06 10	17	31.5	86.5	26	0.100

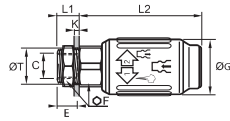
C 9000 Series: single shut-off = 1250 NI/min

# ARO Profile



## 9416A Coupler, Bulkhead Mountable, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR

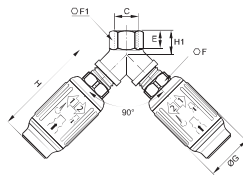


DN	C		E	F	G	K	L1	L2	ØT	Kg
5.5	G1/4	<a href="#">9416A06 13</a>	12	22	31.5	6	12.5	66.5	18.5	0.135

C 9000 Series: single shut-off = 1250 NI/min

## 9440A Y Coupler, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR

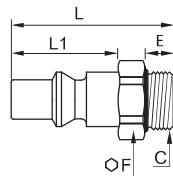


DN	C		E	F	F1	G	H	H1	Kg
5.5	G3/8	<a href="#">9440A06 17</a>	11.5	19	20	31.5	68	16	0.263

C 9000 Series: single shut-off = 1250 NI/min

## 9087A Probe, Straight-Through, Male BSPP Thread

Nickel-plated steel, technical polymer

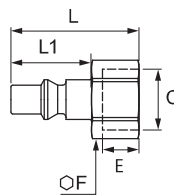


DN	C		E	F	L	L1	Kg
5.5	G1/4	<a href="#">9087A06 13</a>	9	17	36	22	0.020
	G3/8	<a href="#">9087A06 17</a>	9	19	36	22	0.024
	G1/2	<a href="#">9087A06 21</a>	12	24	40	22	0.050

Probe without shut-off

## 9086A Probe, Straight-Through, Female BSPP Thread

Nickel-plated steel

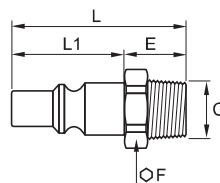


DN	C		E	F	L	L1	Kg
5.5	G1/4	<a href="#">9086 22 13</a>	9	17	35.5	22	0.024
	G3/8	<a href="#">9086 22 17</a>	10	19	35.5	22	0.023
	G1/2	<a href="#">9086 22 21</a>	12	24	38	22	0.039

Probe without shut-off

## 9084A Probe, Straight-Through, Male BSPT Thread

Nickel-plated steel



DN	C		F	L	L1	Kg
5.5	R1/4	<a href="#">9084 22 13</a>	14	40.5	22	0.020
	R3/8	<a href="#">9084 22 17</a>	17	40.5	22	0.031
	R1/2	<a href="#">9084 22 21</a>	22	46	22	0.048

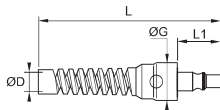
Probe without shut-off

# ARO Profile



## 9080A Probe, Straight-Through, LF 3000® Push-In Connection, with Spiral Protection Spring

Nickel-plated steel, NBR

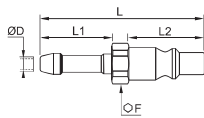


DN	ØD		G	L	L1	Kg
5.5	8	9080A06 08	24	118	22	0.028
	10	9080A06 10	24	118	22	0.027

Probe without shut-off

## 9094A Probe, Straight-Through, with Hosetail

Nickel-plated steel



DN	ØD		F	L	L1	L2	Kg
5.5	6	9094A06 06	14	48.5	22	25	0.013
	8	9094A06 08	14	48.5	22	25	0.014
	10	9094A06 10	14	48.5	22	25	0.017

Probe without shut-off



# Metal Quick-Acting Coupler Range

## Nickel-Plated Brass Quick-Acting Couplers

### Mini Series



### Standard Series



### Midi Series



### Maxi Series



## Metal Quick-Acting Coupler Accessories



# Metal Quick-Acting Couplers

In order to fulfill the requirements of the **widest range of industrial applications**, Parker Legris offers a range of metal couplers compatible with a large selection of fluids.

**Simple to install**, with or without shut-off valves, these couplers offer a **high flow rate capability**.

## Product Advantages

- Easy-to-Use**
  - Coupler with sliding sleeve: automatic connection and disconnection
  - Extremely compact
  - Single or double shut-off models for greater safety
  - Special range designed for pneumatic applications: mini and standard series
  - Special range designed for the transmission of water and fluids: midi and maxi series
- Robust & Reliable**
  - 100% leak-tested in production
  - Excellent shock and impact resistance
  - Nickel-plated brass for corrosion resistance
- Optimum Performance**
  - Very wide range of flow rates
  - Low pressure drop
  - Long service life
  - Maximum energy efficiency



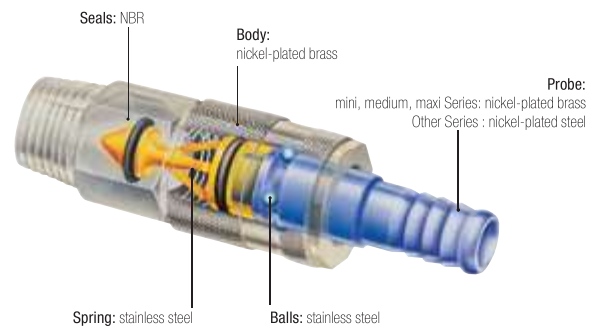
- Applications**
- Workshops
  - Flushing
  - Spraying
  - Packaging
  - Factory Automation
  - Filling Systems
  - Cleaning

## Technical Characteristics

<b>Compatible Fluids</b>	Compressed air, water
<b>Working Pressure</b>	0 to 20 bar
<b>Working Temperature</b>	-20°C to +100°C

Guaranteed for use with a vacuum of 655 mm Hg (86% vacuum).

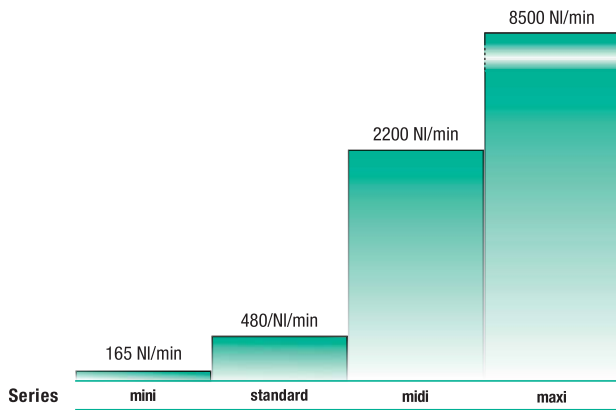
### Component Materials



Silicone-free

# Metal Quick-Acting Couplers

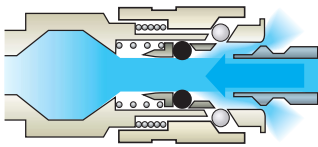
## Metal Quick-Acting Coupler Technology and Flow Rates



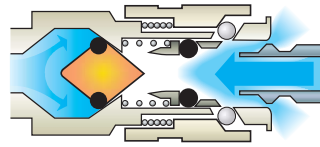
Measurements carried out in accordance with ISO 6358 at a pressure of 6 bar, pressure drop < 0.7 bar (single shut-off flow)

## 3 Shut-Off Functions

### Straight-Through

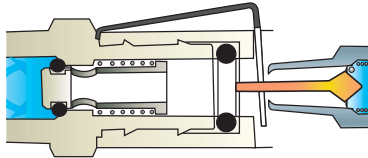


### Single Shut-Off



Single shut-off coupler  
+ probe without shut-off  
When disconnected, the fluid path is closed upstream (body side).

### Double Shut-Off



Double shut-off coupler  
+ probe with shut-off  
When disconnected, the fluid path is closed upstream (body side) and downstream (probe side).

## Operation



# Mini Series

Single Shut-Off

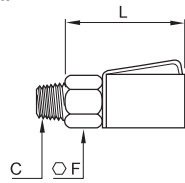


Double Shut-Off



## 0171 Coupler, Male BSPT and Parallel Metric Thread

Technical polymer, nickel-plated brass, NBR



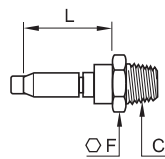
DN	C		E	F	L	Kg
2	M7x1	0171 02 55 01	6	10	21	0.007
		0171 02 10 01	7.5	10	21	0.010
	R1/8	0171 02 10 02	7.5	10	21	0.010
		0171 02 10 03	7.5	10	21	0.010
		0171 02 10 04	7.5	10	21	0.010
		0171 02 10 05	7.5	10	21	0.010

Single shut-off

Mini Series (DN 2): single shut-off= 165 NI/min

## 0183 Probe, Valved, Male BSPT Thread

Nickel-plated brass, NBR

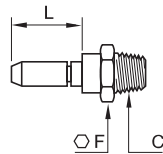


DN	C		F	L	Kg
2	R1/8	0183 02 10	10	13	0.007

Probe with shut-off

## 0184 Probe, Straight-Through, Male BSPT Thread

Nickel-plated brass

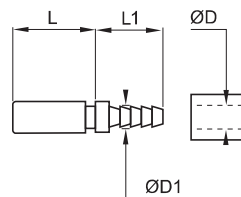


DN	C		F	L	Kg
2	R1/8	0184 02 10	10	13	0.006

Probe without shut-off

## 0181 Probe without shut-off, Male BSPT Thread

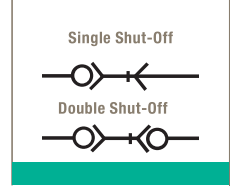
Nickel-plated brass



DN	ØD	ØD1		L	L1	Kg
2	3	3.3	0181 03 04	11.5	13.5	0.010

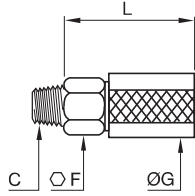
Probe without shut-off

# Mini Series



## 0171 Coupler, Straight-Through, Male BSPT Thread

Technical polymer, nickel-plated brass, NBR

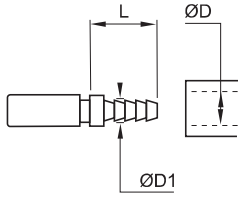


DN	C		F	G	L	Kg
3	R1/8	<a href="#">0171 03 10 01</a>	13	17	24.5	0.020
		<a href="#">0171 03 10 02</a>	13	17	24.5	0.020
		<a href="#">0171 03 10 03</a>	13	17	24.5	0.020
		<a href="#">0171 03 10 04</a>	13	17	24.5	0.020
		<a href="#">0171 03 10 05</a>	13	17	24.5	0.020

Straight-through

## 0181 Probe, Straight-Through with Barb Connection for Polyamide (PA) Tubing

Nickel-plated brass

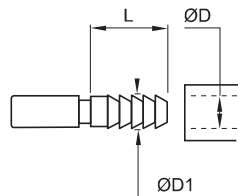


DN	ØD	ØD1		L	Kg
3	4	4.7	<a href="#">0181 04 06</a>	19	0.005

Probe without shut-off

## 0180 Probe, Straight-Through with Barb Connection for Flexible Tubing

Nickel-plated brass

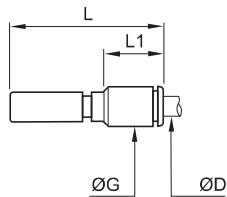


DN	ØD	ØD1		L	Kg
3	4	6	<a href="#">0180 04 00</a>	19	0.007
	5	6.5	<a href="#">0180 05 00</a>	19	0.007

Probe without shut-off

## 3150 Probe, Straight-Through with LF 3000® Push-In Connection

Nickel-plated brass, NBR

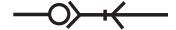


DN	ØD		G	L	L1	Kg
3	4	<a href="#">3150 00 61</a>	8.5	39	18	0.008

Probe without shut-off

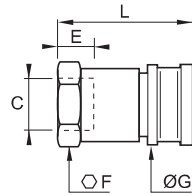
# Standard Series

Single Shut-Off



## 0172 Coupler, Female BSPP Thread

Nickel-plated brass, NBR

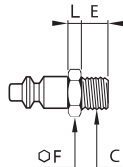


DN	C		E	F	G	L	Kg
5	G1/4	<b>0172 05 13</b>	11	19	21	47	0.086

Standard Series: single shut-off = 480 NI/min

## 0187 Probe, Straight-Through, Male BSPP Thread

Zinc-plated blister steel

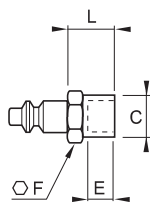


DN	C		E	F	L	Kg
5	G1/8	<b>0187 05 10</b>	7	14	4	0.018
	G1/4	<b>0187 05 13</b>	9.5	17	5	0.027

Probe without shut-off

## 0186 Probe, Straight-Through, Female BSPP Thread

Zinc-plated blister steel

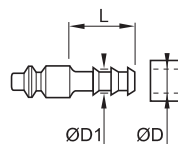


DN	C		E	F	L	Kg
5	G1/4	<b>0186 05 13</b>	12	17	17	0.027

Probe without shut-off

## 0185 Probe, Straight-Through, with Barb Connection for Flexible Tubing

Zinc-plated blister steel

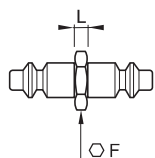


DN	ØD	ØD1		L	Kg
5	4	6	<b>0185 04 00</b>	22.5	0.014
	7	9	<b>0185 07 00</b>	22.5	0.017
	10	12.2	<b>0185 10 00</b>	22.5	0.013

Probe without shut-off

## 0189 Double Probe

Zinc-plated blister steel



DN		F	L	Kg
5	<b>0189 05 00</b>	12	4	0.025

Probe without shut-off

# Midi Series

Without Shut-Off

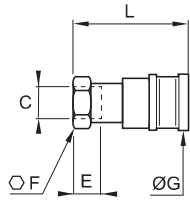


Single Shut-Off



## 0172 Coupler, Female BSPP Thread

Nickel-plated brass, NBR

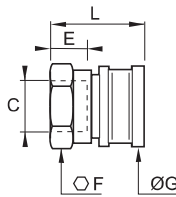


DN	C		E	F	G	L	Kg
12	G3/8	<a href="#">0172 12 17</a>	16	27	29	56	0.155
	G1/2	<a href="#">0172 12 21</a>	16	27	29	56	0.142

Midi Series: single shut-off = 2200 NI/min

## 2272 Coupler, Straight-Through, Female BSPP Thread

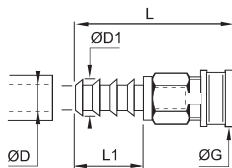
Nickel-plated brass, NBR



DN	C		E	F	G	L	Kg
12	G1/2	<a href="#">2272 12 21</a>	10	24	29	33	0.066
	G3/4	<a href="#">2272 12 27</a>	10	30	29	34.5	0.074
	G1	<a href="#">2272 12 34</a>	10	36	29	34.5	0.081

## 2511 Coupler with Barb Connection for Hose

Nickel-plated brass, NBR

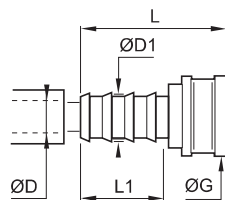


DN	ØD	ØD1		G	L	L1	Kg
12	12	13.5	<a href="#">2511 12 12</a>	29	75	32	0.145
	15	16.5	<a href="#">2511 12 15</a>	29	75	32	0.147
	19	20.5	<a href="#">2511 12 19</a>	29	81	38	0.160

Midi Series: single shut-off = 2200 NI/min

## 2297 Coupler, Straight-Through, with Barb Connection for Hose

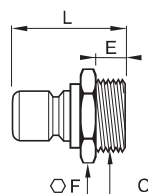
Nickel-plated brass, NBR



DN	ØD	ØD1		G	L	L1	Kg
12	12	13.5	<a href="#">2297 12 12</a>	29	51	27	0.072
	15	16.5	<a href="#">2297 12 15</a>	29	51	27	0.075
	19	20.5	<a href="#">2297 12 19</a>	29	57	33	0.092

## 2294 Probe, Straight-Through, Male BSPP Thread

Nickel-plated brass



DN	C		E	F	L	Kg
12	G3/8	<a href="#">2294 12 17</a>	6	22	31.5	0.031
	G1/2	<a href="#">2294 12 21</a>	9.5	22	37	0.044
	G3/4	<a href="#">2294 12 27</a>	13.5	27	41	0.068
	G1	<a href="#">2294 12 34</a>	10.5	34	36	0.071

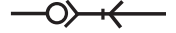
Probe without shut-off

# Midi Series

Without Shut-Off

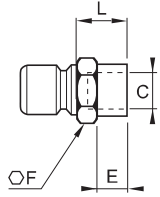


Single Shut-Off



## 0196 Probe, Straight-Through, Female BSPP Thread

Nickel-plated brass

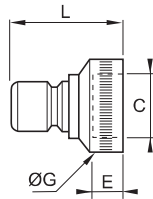


DN	C		E	F	L	Kg
	G1/4	<a href="#">0196 12 13</a>	12	17	16	0.027
12	G3/8	<a href="#">0196 12 17</a>	12	21	15	0.034
	G1/2	<a href="#">0196 12 21</a>	14	26	17	0.051

Probe without shut-off

## 2296 Probe, Straight-Through, Female BSPP Thread

Nickel-plated brass

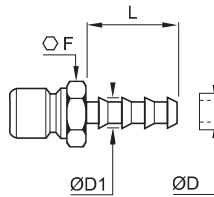


DN	C		E	G	L	Kg
	G1/2	<a href="#">2296 12 21</a>	11	24	31.5	0.031
12	G3/4	<a href="#">2296 12 27</a>	11	30	38	0.058
	G1	<a href="#">2296 12 34</a>	11	36	36.5	0.059

Probe without shut-off

## 0195 Probe, Straight-Through, with Barb Connection for Flexible Tubing

Nickel-plated brass

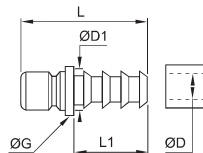


DN	ØD	ØD1		F	L	Kg
	7	9	<a href="#">0195 07 00</a>	17	29.5	0.027
	10	12.2	<a href="#">0195 10 00</a>	17	29.5	0.028
12	13	15.2	<a href="#">0195 13 00</a>	17	29.5	0.030
	16	18.5	<a href="#">0195 16 00</a>	21	36.5	0.048

Probe without shut-off

## 2295 Probe, Straight-Through, with Barb Connection for Flexible Hose

Nickel-plated brass

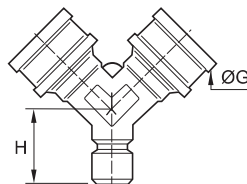


DN	ØD	ØD1		G	L	L1	Kg
	12	13.5	<a href="#">2295 12 12</a>	17	48	27	0.025
12	15	16.5	<a href="#">2295 12 15</a>	18	48	27	0.033
	19	20.5	<a href="#">2295 12 19</a>	24	57	33	0.053

Probe without shut-off

## 2293 Y Coupler, Straight-Through

Nickel-plated brass, NBR

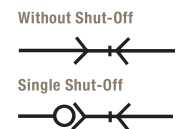


DN		G	H	Kg
12	<a href="#">2293 12 00</a>	29	27	0.132

Probe without shut-off

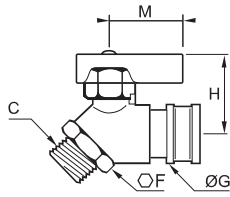
Midi Series: straight-through = 2200 NI/min

# Midi Series



## 2270 Coupler with Tap, Male BSP Thread

Nickel-plated brass, NBR

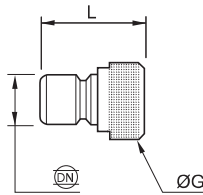


DN	C		F	G	H	M	Kg
12	G1/2	<a href="#">2270 21 00</a>	28	29	40.5	35	0.278

Flow = 2200 NI/min

## 2203 Plug

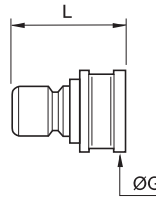
Nickel-plated brass



DN		G	L	Kg
12	<a href="#">2203 12 00</a>	20	34	0.042

## 2292 Universal Coupler Adaptor

Nickel-plated brass, NBR



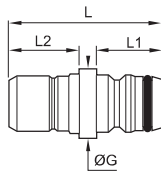
DN		G	L	Kg
12	<a href="#">2292 12 00</a>	29	40.5	0.083

Without shut-off

This adaptor provides interchangeability with numerous components (especially watering accessories).

## 2398 Universal Probe Adaptor

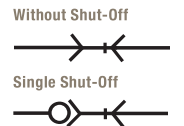
Nickel-plated brass, NBR



DN		G	L	L1	L2	Kg
12	<a href="#">2398 12 01</a>	20	43	19	18.5	0.035

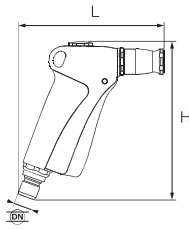
This adaptor provides interchangeability with numerous components (especially watering accessories).

# Midi Series



## 2299 Water Pistol

Zamak, nickel-plated brass, NBR



12 **2299 12 01**

**H L Kg**

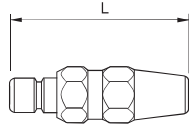
140 126 0.468

This pistol allows independent control of:

- the flow rate (trigger)
- type of jet (adjustable to a fine mist) by the adjustable probe

## 2299 Adjustable Nozzle

Nickel-plated brass, NBR



12 **2299 12 20**

**L Kg**

77.4 0.137

This nozzle allows adjustment of the spray.

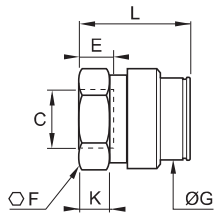
# Maxi Series

Without Shut-Off



## 2272 Coupler, Straight-Through, Female BSP Thread

Nickel-plated brass, NBR

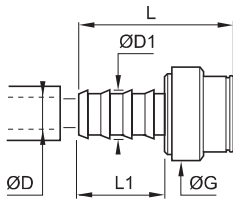


DN	C		E	F	G	K	L	Kg
19	G1	<a href="#">2272 18 34</a>	9	36	42	11	45	0.181

Maxi Series: straight-through = 8500 NI/min

## 2297 Coupler, Straight-Through with Barb Connection for Hose

Nickel-plated brass, NBR

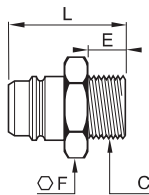


DN	ØD	ØD1		G	L	L1	Kg
19	19	20.7	<a href="#">2297 18 20</a>	39.5	69	37	0.163

Maxi Series: straight-through = 8500 NI/min

## 2294 Coupler, Straight-Through, Male BSP Thread

Nickel-plated brass

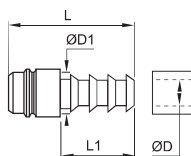


DN	C		E	F	L	Kg
19	G3/4	<a href="#">2294 18 27</a>	10.5	27	42.5	0.070
	G1	<a href="#">2294 18 34</a>	13	34	46	0.102

Probe without shut-off

## 2295 Coupler, Straight-Through with Barb Connection for Flexible Hose

Nickel-plated brass



DN	ØD	ØD1		L	L1	Kg
19	19	21	<a href="#">2295 18 20</a>	69	41	0.068

Probe without shut-off

# Quick-Acting Coupler Accessories

Parker Legris has developed a range of accessories for quick-acting couplers which save time, **match the product** to the application and **increase the life** of the equipment.

## Product Advantages

**Performance** | Interchangeability with ISO B probe profile  
 Avoids tube twisting  
 Facilitates use by following movements  
 Robust

**Adaptable** | Two models depending on the application:  
 Oscillating fittings:  
 • angled at 45° and fitted with a ball bearing  
 • effortless rotation through 360°  
 Flexible fittings:  
 • fitted with a ball joint mounted on a lubricated plastic seat  
 • single connection providing an angle of rotation of 70°  
 • multiple tees (three connections) providing an angle of rotation of 360°



Pneumatics  
 Water  
 Workshops  
 Industrial Machinery

Applications

## Technical Characteristics

<b>Compatible Fluids</b>	Industrial fluids
<b>Working Pressure</b>	Oscillating fittings: 0 to 15 bar Flexible fittings: 0 to 10 bar Swivelling multiple tees: 0 to 20 bar
<b>Working Temperature</b>	-5°C to +60°C

### Component Materials



Other accessories are available on request:

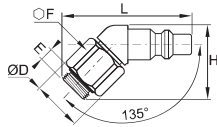
- ISO B rotary fitting, male BSPT
- ISO B jointed fitting, male BSPP
- multiple tee with 2 outlets, female male BSPP



# Quick-Acting Coupler Accessories

## 9071U Oscillating ISO B Probe, Male BSPP Thread

Treated steel, NBR

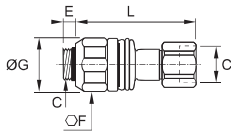


DN	C		E	F	H	L	Kg
6	G1/4	<a href="#">9071U06 13</a>	5.5	19	30	52	0.066
8	G1/4	<a href="#">9071U08 13</a>	5.5	19	30	52	0.064

200 parts per box (minimum of order)

## 0691 Flexible Fitting, Female/Male BSPP Thread

Treated steel, NBR

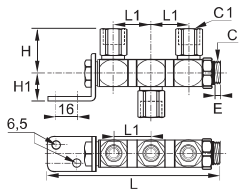


DN	C		E	F	G	L	Kg
5.5	G1/4	<a href="#">0691 13 13</a>	5.5	24	25.5	56	0.090

NBR Sleeve

## 0681 Multiple Tee with 3 Female Outlets, Male/Female BSPP Thread

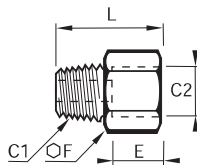
Chromium-plated brass, NBR



C	C1		E	H	H1	L	L1	Kg
G1/2	G1/4	<a href="#">0681 13 21</a>	7.5	36	24	138.5	30	0.430

## 0164 Adaptor, Male NPT/Female BSPP Thread

Brass

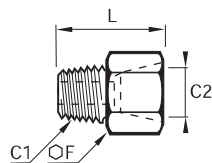


C1	C2		E	F	L	Kg
NPT1/8	G1/8	<a href="#">0164 11 10</a>	7.5	14	20	0.015
NPT1/4	G1/4	<a href="#">0164 14 13</a>	11	17	27.5	0.028
NPT3/8	G3/8	<a href="#">0164 18 17</a>	11.5	22	28.5	0.044
NPT1/2	G1/2	<a href="#">0164 22 21</a>	15	27	36.5	0.082
NPT3/4	G3/4	<a href="#">0164 28 27</a>	16.5	32	38.5	0.110

Adaptor for female socket of quick-acting mould couplers

## 0167 Adaptor, Male BSPT/Female NPT Thread

Brass



C1	C2		F	L	Kg
R1/8	NPT1/8	<a href="#">0167 10 11</a>	14	21	0.016
R1/4	NPT1/4	<a href="#">0167 13 14</a>	17	28.5	0.029
R3/8	NPT3/8	<a href="#">0167 17 18</a>	22	29.5	0.047
R1/2	NPT1/2	<a href="#">0167 21 22</a>	27	37.5	0.088
R3/4	NPT3/4	<a href="#">0167 27 28</a>	32	39.5	0.120

Adaptor for female socket of quick-acting mould couplers