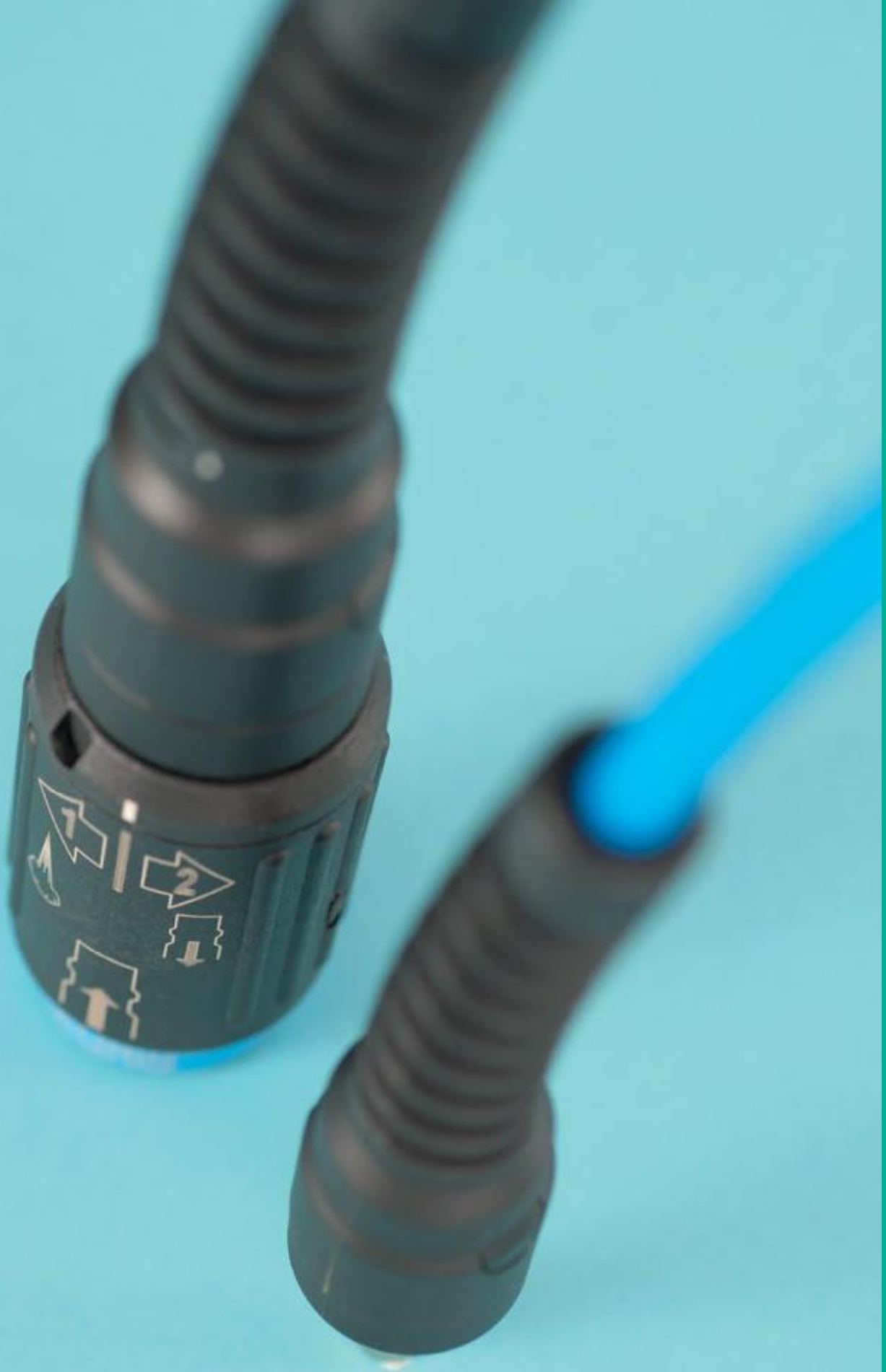


Quick-Acting Couplers

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

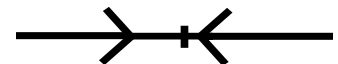
Temperature: -5°C to +60°C

DN : 5,5 mm to 8 mm

3 Shut-Off Functions

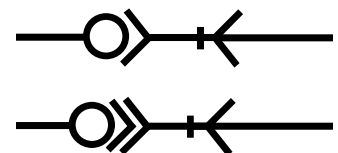
Straight-Through

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.



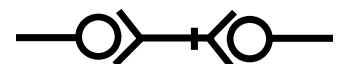
Single Shut-Off (with or without vent)

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.



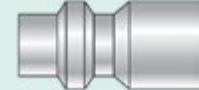

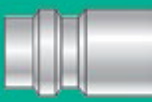

Double Shut-Off

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.



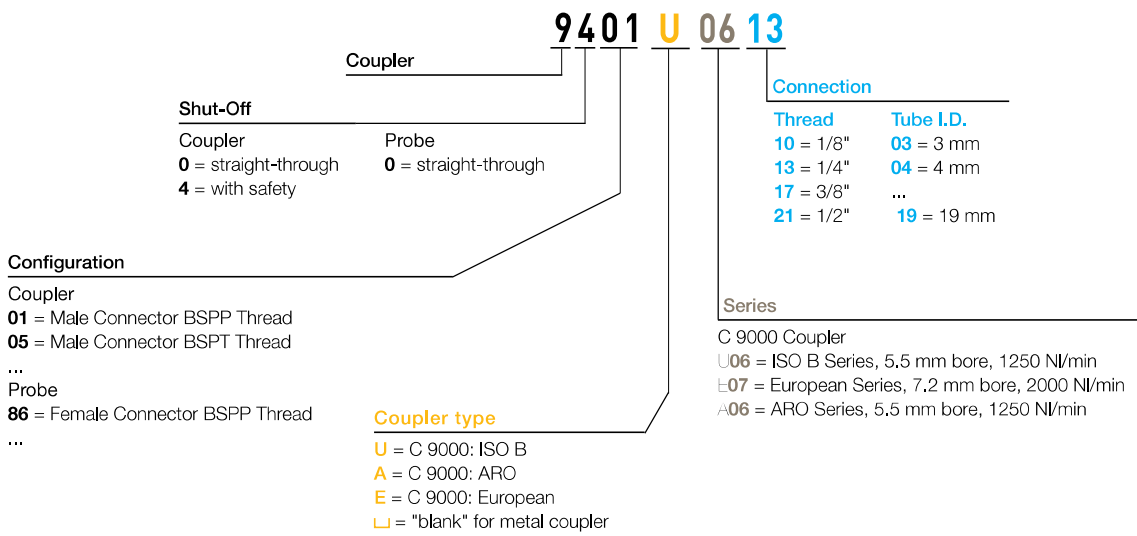
Technology and Flow Rates

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)
ISO B Standard		C 9000	1250	5.5
		C 9000	2400	8
European Standard		C 9000	2000	7.2
ARO Standard		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

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



Applications

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

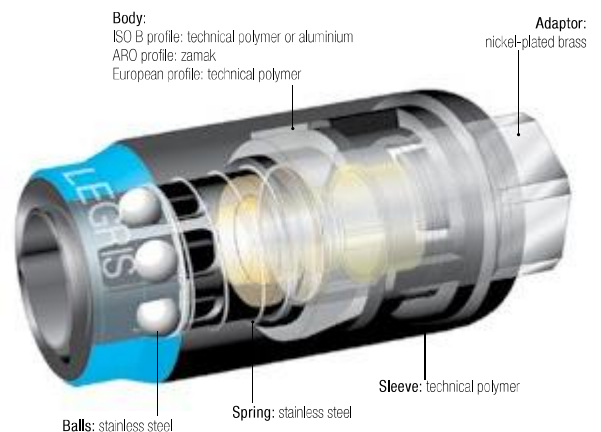
Technical Characteristics

Compatible Fluids	Compressed air
Working Pressure	0 to 16 bar
Working Temperature	-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 FLid Power: General Rules Relating to Systems
 DIN EN 983 Safety Standard for Pneumatics

Component Materials

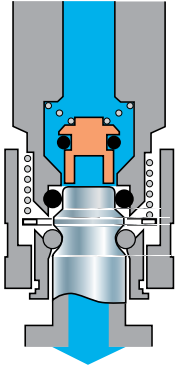


Silicone-free

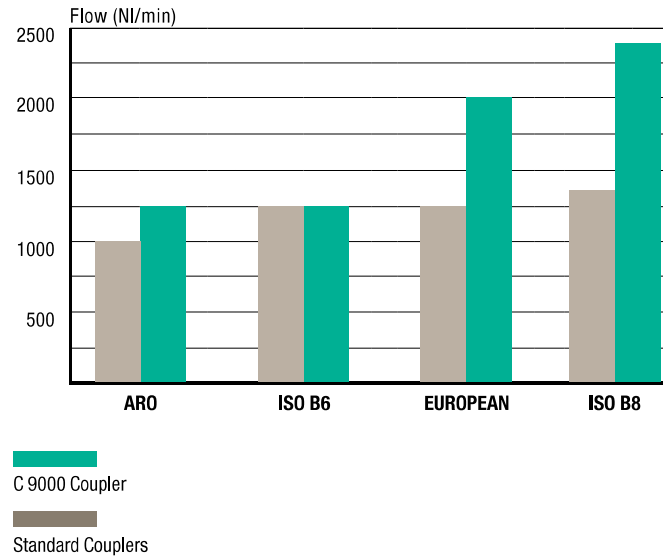
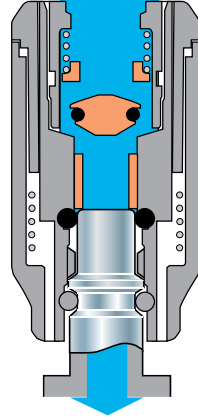
C 9000 Polymer Quick-Acting Safety Couplers

C 9000 Technology and Flow Rates

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



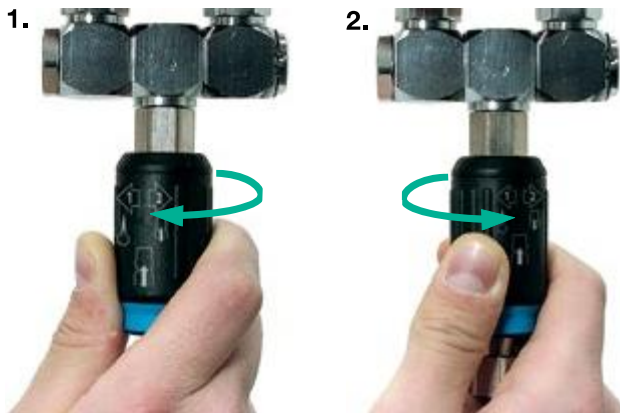
C 9000 quick-acting coupler
"Optimal flow" technology
Flow: 2400 NI/min



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)

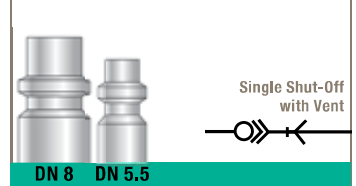
Venting time = 350 ms (transition from 6 bar to 0.2 bar)

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

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

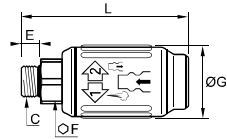
Even with longer lengths of tubing, the vent time of the C 9000 coupler can be less than 1 second.

ISO B Profile



9401U Coupler, Male BSPP Thread

Technical polymer, nickel-plated brass, NBR



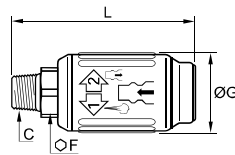
DN	C		E	F	G	L	Kg
5.5	G1/4	9401U06 13	7.5	17	31.5	74	0.075
	G3/8	9401U06 17	8.5	21	31.5	76.5	0.095
	G1/2	9401U06 21	10.5	25	31.5	80	0.115
8	G1/4	9401U08 13	6.5	22	36.5	81.5	0.120
	G3/8	9401U08 17	7.5	22	36.5	82.5	0.133
	G1/2	9401U08 21	9	25	36.5	85.5	0.140

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



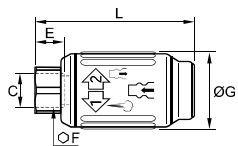
DN	C		F	G	L	Kg
5.5	R1/4	9405U06 13	17	31.5	75	0.075
	R3/8	9405U06 17	19	31.5	76.5	0.095
	R1/2	9405U06 21	22	31.5	81.5	0.110
8	R1/4	9405U08 13	22	36.5	84	0.120
	R3/8	9405U08 17	22	36.5	84	0.120
	R1/2	9405U08 21	22	36.5	88	0.140

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



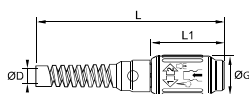
DN	C		E	F	G	L	Kg
5.5	G1/4	9414U06 13	12	17	31.5	66.5	0.070
	G3/8	9414U06 17	12	22	31.5	72	0.085
	G1/2	9414U06 21	15	27	31.5	78	0.115
8	G1/4	9414U08 13	12	22	36.5	75	0.127
	G3/8	9414U08 17	12	22	36.5	75	0.144
	G1/2	9414U08 21	15	27	36.5	80	0.138

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



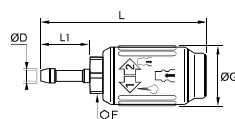
DN	ØD		G	L	L1	Kg
5.5	8	9410U06 08	31.5	145	56	0.096
	10	9410U06 10	31.5	145	56	0.080
8	10	9410U08 10	36.5	155	63	0.175
	12	9410U08 12	36.5	165	63	0.162

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

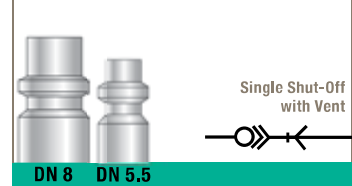


DN	ØD		F	G	L	L1	Kg
5.5	6	9421U06 06	17	31.5	88.5	26	0.070
	8	9421U06 08	17	31.5	88.5	26	0.070
	10	9421U06 10	17	31.5	88.5	26	0.070
8	6	9421U08 06	22	36.5	95	26	0.110
	8	9421U08 08	22	36.5	95	26	0.100
	10	9421U08 10	22	36.5	95	26	0.124
	13	9421U08 13	22	36.5	99	30	0.125

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

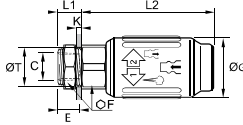
C 9000 Series ISO B (DN 8): single shut-off = 2400 NI/min

ISO B Profile



9416U Coupler, Bulkhead Mountable, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR



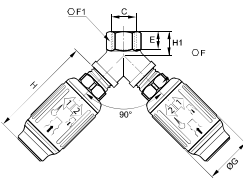
DN	C		E	F	G	K _{max}	L1	L2	ØT _{min}	Kg
5.5	G1/4	9416U06 13	12	22	31.5	6	12.5	68.5	18.5	0.105
8	G3/8	9416U08 17	12	24	36.5	7	14.5	76	22.5	0.150

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



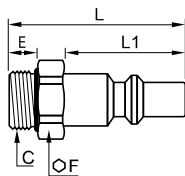
DN	C		E	F	F1	G	H	H1	Kg
5.5	G3/8	9440U06 17	11.5	19	20	31.5	70	16	0.207
8	G1/2	9440U08 21	14	22	25	36.5	80	19	0.352

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

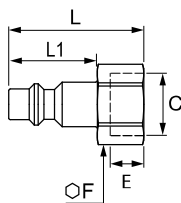


DN	C		E	F	L	L1	Kg
5.5	G1/4	9087U06 13	9	13	39	24	0.026
	G3/8	9087U06 17	9	17	38	24	0.032
	G1/2	9087U06 21	9	19	39	24	0.048
8	G1/4	9087U08 13	9	17	38	24	0.030
	G3/8	9087U08 17	9	19	39	24	0.036
	G1/2	9087U08 21	12	22	42	24	0.058

Probe without shut-off

9086U Probe, Straight-Through, Female BSPP Thread

Treated steel

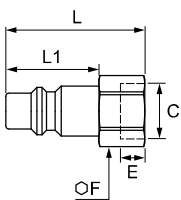


DN	C		E	F	L	L1	Kg
5.5	G1/4	9086 23 13	9	17	36	24	0.025
	G3/8	9086 23 17	9	19	36	24	0.025
	G1/2	9086 23 21	12	24	39	24	0.039

Probe without shut-off

9086U Probe, Straight-Through, Female BSPP Thread

Nickel-plated steel

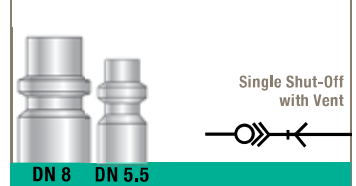


DN	C		E	F	L	L1	Kg
8.5	G1/4	9086 30 13	10	17	40	28	0.032
	G3/8	9086 30 17	10	19	42	28	0.035
	G1/2	9086 30 21	12	24	43	28	0.046

Probe without shut-off

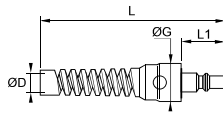
C 9000 Series probe (DN 8.5) compatible with ISO B Series C 9000 couplers (DN 8)

ISO B Profile



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

Nickel-plated steel, NBR

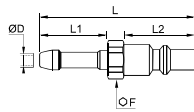


DN	ØD		G	L	L1	Kg
5,5	8	9080U06 08	24	112	24	0,052
	10	9080U06 10	24	112	24	0,044
8	10	9080U08 10	24	114	26	0,095
	12	9080U08 12	29,5	125	26	0,096

Probe without shut-off

9094U Probe, Straight-Through, with Hosetail

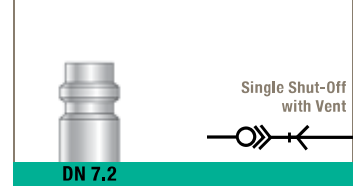
Nickel-plated steel



DN	ØD		F	L	L1	L2	Kg
5,5	6	9094U06 06	14	51	24	25	0,016
	8	9094U06 08	14	51	27	25	0,017
	10	9094U06 10	14	51	24	25	0,018
8	8	9094U08 08	17	51	24	25	0,027
	10	9094U08 10	17	51	27	25	0,028
	13	9094U08 13	17	51	24	25	0,031

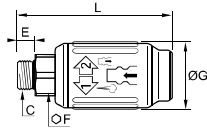
Probe without shut-off

European Profile



9401E Coupler, Male BSP Thread

Technical polymer, nickel-plated brass, NBR

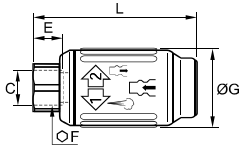


DN	C		E	F	G	L	Kg
7.2	G1/4	9401E07 13	6.5	22	36.5	80	0.124
	G3/8	9401E07 17	7.5	22	36.5	81	0.122
	G1/2	9401E07 21	9	25	36.5	83.5	0.136

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

9414E Coupler, Female BSP Thread

Technical polymer, nickel-plated brass, NBR

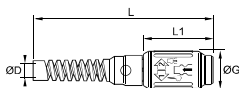


DN	C		E	F	G	L	Kg
7.2	G1/4	9414E07 13	12	22	36.5	73	0.118
	G3/8	9414E07 17	12	22	36.5	73	0.109
	G1/2	9414E07 21	15	27	36.5	78	0.130

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

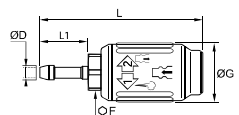


DN	ØD		G	L	L1	Kg
7.2	10	9410E07 10	36.5	151	63	0.175
	12	9410E07 12	36.5	151	63	0.180

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

9421E Coupler with Hosetail

Technical polymer, nickel-plated brass, NBR

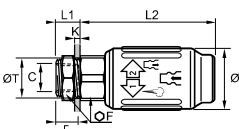


DN	ØD		F	G	L	L1	Kg
7.2	8	9421E07 08	22	36.5	93	26	0.113
	10	9421E07 10	22	36.5	93	26	0.114
	13	9421E07 13	22	36.5	97	30	0.119

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

9416E Coupler, Bulkhead Mountable, Female BSP Thread

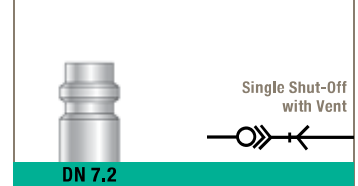
Technical polymer, nickel-plated brass, NBR



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

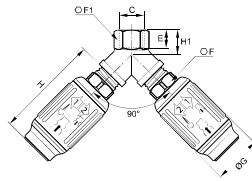
C 9000 Series: single shut-off = 2000 NI/min

European Profile



9440E Y Coupler, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR

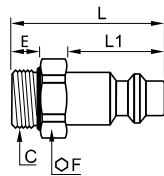


DN	C		E	F	F1	G	H	H1	Kg
7.2	G1/2	9440E07 21	14	25	25	36,5	78	19	0,335

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

9087E Probe, Straight-Through, Male BSPP Thread

Nickel-plated steel, technical polymer

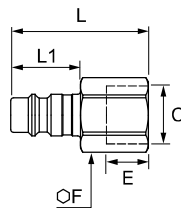


DN	C		E	F	L	L1	Kg
7.2	G1/4	9087E07 13	9	14	34	20	0,018
	G3/8	9087E07 17	9	17	34	20	0,025
	G1/2	9087E07 21	12	22	38	20	0,048

Probe without shut-off

9086E Probe, Straight-Through, Female BSPP Thread

Nickel-plated steel

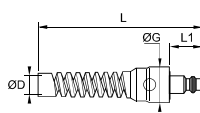


DN	C		E	F	L	L1	Kg
7.4	G1/8	9086 25 10	7	14	32	20	0,016
	G1/4	9086 25 13	9	17	38,5	20	0,027
	G3/8	9086 25 17	9	19	33	20	0,027
	G1/2	9086 25 21	12	24	36	20	0,048

Probe without shut-off

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

Nickel-plated steel, NBR

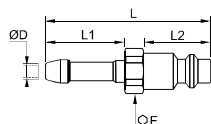


DN	ØD		G	L	L1	Kg
7.2	10	9080E07 10	24	114	20	0,102
	12	9080E07 12	29,5	125	20	0,088

Probe without shut-off

9094E Probe, Straight-Through, with Hosetail

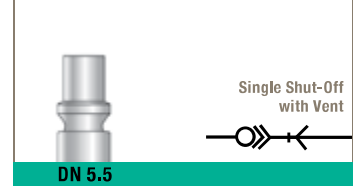
Nickel-plated steel



DN	ØD		F	L	L1	L2	Kg
7.2	8	9094E07 08	17	48	20	25	0,015
	10	9094E07 10	17	48	20	25	0,016
	13	9094E07 13	17	48	20	25	0,020

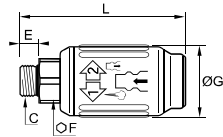
Probe without shut-off

ARO Profile



9401A Coupler, Male BSPP Thread

Technical polymer, nickel-plated brass, NBR

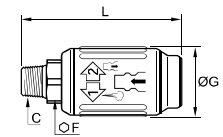


DN	C		E	F	G	L	Kg
5.5	G1/4	9401A06 13	6.5	17	31.5	70.5	0.105
	G3/8	9401A06 17	9	21	31.5	73.5	0.123
	G1/2	9401A06 21	9	25	31.5	70.5	0.150

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

9405A Coupler, Male BSPT Thread

Technical polymer, nickel-plated brass, NBR

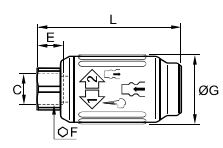


DN	C		F	G	L	Kg
5.5	R1/4	9405A06 13	17	31.5	73	0.105
	R3/8	9405A06 17	19	31.5	74.5	0.110
	R1/2	9405A06 21	22	31.5	79.5	0.140

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

9414A Coupler, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR

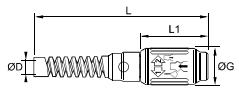


DN	C		E	F	G	L	Kg
5.5	G1/4	9414A06 13	12	17	31.5	64.5	0.095
	G3/8	9414A06 17	12	22	31.5	70	0.115
	G1/2	9414A06 21	15	27	31.5	76	0.145

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

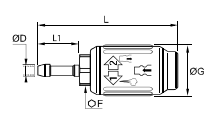


DN	ØD		G	L	L1	Kg
5.5	8	9410A06 08	31.5	143	54	0.140
	10	9410A06 10	31.5	143	54	0.175

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

9421A Coupler with Hosetail

Technical polymer, nickel-plated brass, NBR



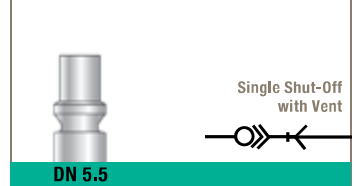
DN	ØD		F	G	L	L1	Kg
5.5	6	9421A06 06	17	31.5	86.5	26	0.110
	8	9421A06 08	17	31.5	86.5	26	0.100
	10	9421A06 10	17	31.5	86.5	26	0.100

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

Polymer: C 9000 Safety

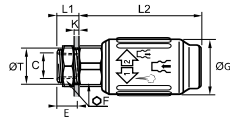
Quick-Acting Couplers

ARO Profile



9416A Coupler, Bulkhead Mountable, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR

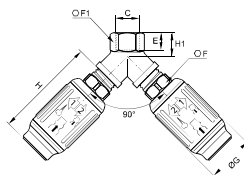


DN	C		E	F	G	K	L1	L2	ØT	Kg
5.5	G1/4	9416A06 13	12	22	31.5	6	12.5	66.5	18.5	0.135

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

9440A Y Coupler, Female BSPP Thread

Technical polymer, nickel-plated brass, NBR

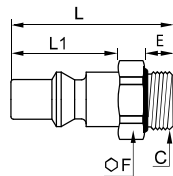


DN	C		E	F	F1	G	H	H1	Kg
5.5	G3/8	9440A06 17	11.5	19	20	31.5	68	16	0.263

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

9087A Probe, Straight-Through, Male BSPP Thread

Nickel-plated steel, technical polymer

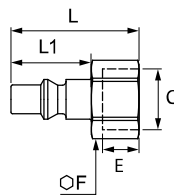


DN	C		E	F	L	L1	Kg
5.5	G1/4	9087A06 13	9	17	36	22	0.020
	G3/8	9087A06 17	9	19	36	22	0.024
	G1/2	9087A06 21	12	24	40	22	0.050

Probe without shut-off

9086A Probe, Straight-Through, Female BSPP Thread

Nickel-plated steel

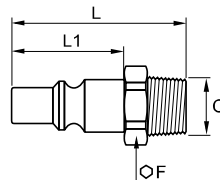


DN	C		E	F	L	L1	Kg
5.5	G1/4	9086 22 13	9	17	35.5	22	0.024
	G3/8	9086 22 17	10	19	35.5	22	0.023
	G1/2	9086 22 21	12	24	38	22	0.039

Probe without shut-off

9084A Probe, Straight-Through, Male BSPT Thread

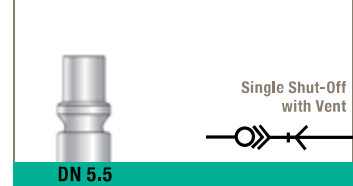
Nickel-plated steel



DN	C		F	L	L1	Kg
5.5	R1/4	9084 22 13	14	40.5	22	0.020
	R3/8	9084 22 17	17	40.5	22	0.031
	R1/2	9084 22 21	22	46	22	0.048

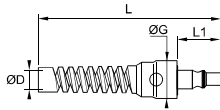
Probe without shut-off

ARO Profile



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

Nickel-plated steel, NBR

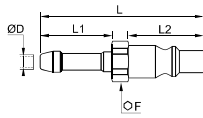


DN	ØD		G	L	L1	Kg
5.5	8	9080A06 08	24	118	22	0.028
	10	9080A06 10	24	118	22	0.027

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

