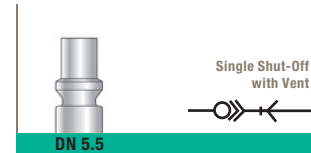


ARO Profile



9401A Coupler, Male BSPP Thread

	Technical polymer, nickel-plated brass, NBR 	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 	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 	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 	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

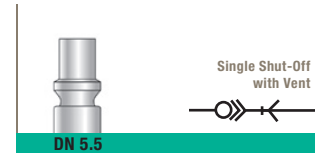
	Technical polymer, nickel-plated brass, NBR 	ØD	F	G	L	L1	kg	
		5.5	6 9421A06 06	17	31.5	86.5	26	0.110
			8 9421A06 08	17	31.5	86.5	26	0.100
			10 9421A06 10	17	31.5	86.5	26	0.100

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


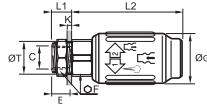
Polymer C 9000 Safety

Quick-Acting Couplers


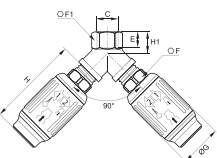
ARO Profile




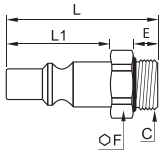
9416A Coupler, Bulkhead Mountable, Female BSPP Thread

	Technical polymer, nickel-plated brass, NBR 	C	E F G K L1 L2 ØT kg


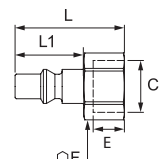
9440A Y Coupler, Female BSPP Thread

	Technical polymer, nickel-plated brass, NBR 	C	E F F1 G H H1 kg


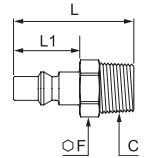
9087A Probe, Straight-Through, Male BSPP Thread

	Nickel-plated steel, technical polymer 	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 0.039
Probe without shut-off				

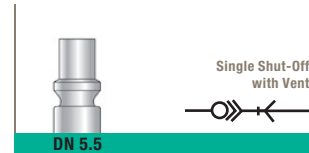
9086A Probe, Straight-Through, Female BSPP Thread

	Nickel-plated steel 	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 	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 	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 	ØD	F	L	L1	L2	kg		
		5.5	6	9094A06 06	14	48.5	22	25	0.012
			8	9094A06 08	14	48.5	22	25	0.014
		10	9094A06 10	14	48.5	22	25	0.016	

Probe without shut-off

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

- Prevents risk of whiplash
- Quick-acting vent allowing disconnection to be carried out in total safety
- Rotating sleeve to avoid risk of accidental disconnection
- Low connection/disconnection force even under pressure
- Polymer sleeve protects equipment from scratching
- Protective spiral over the tube prevents kinking

Performance

- Very high flow and low pressure drop
- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Robust impact-resistant material
- Optimum energy efficiency
- Long-term reliability

Easy-to-Use

- Immediate identification by clear marking on each model showing:
 - profile of the compatible male probe
 - type part number
- Compatible with male probes conforming to:
 - ISO B profile
 - European profile
 - ARO profile



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

Applications

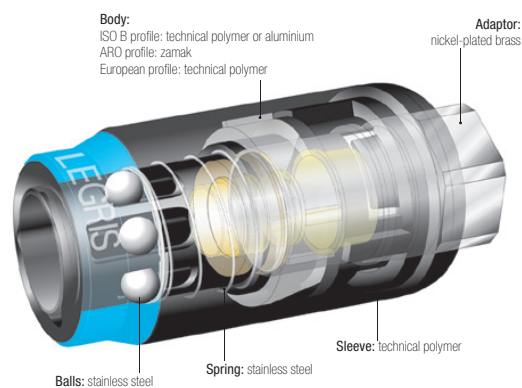
Technical Characteristics

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 Fluid Power: General Rules Relating to Systems
 DIN EN 983 Safety Standard for Pneumatics

Component Materials

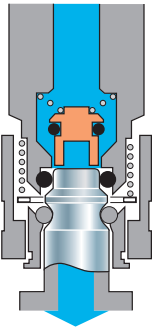


Silicone-free

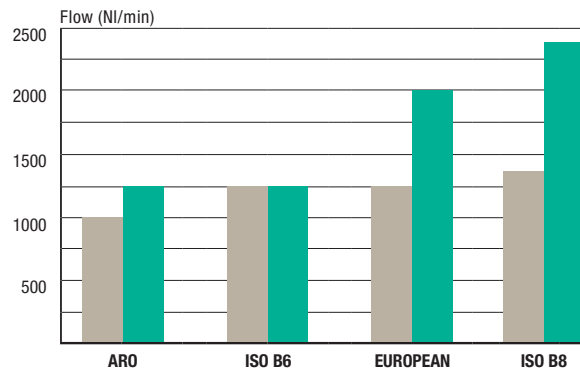
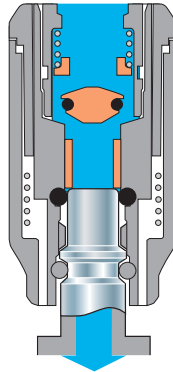
C 9000 Polymer Quick-Acting Safety Couplers

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

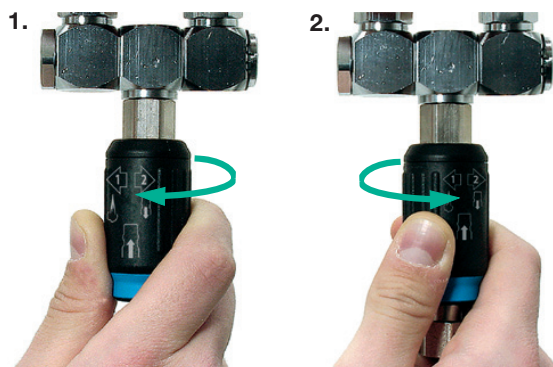


C 9000 Coupler
 Standard Couplers

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

Operation

Operation



Disconnecting the probe

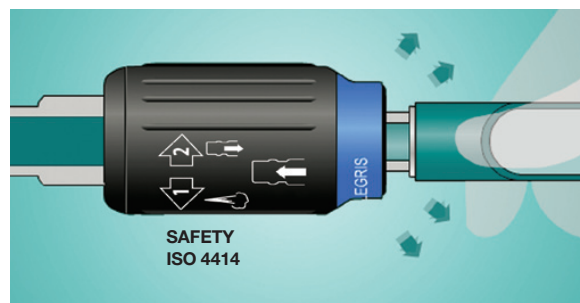
Rotation, arrow 1: circuit vented on probe side.

Rotation, arrow 2: probe disconnected from the body.

Connecting the probe

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

Venting



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.

Quick-Acting Coupler Part Numbers

