

C 9000 Polymer Quick-Acting Safety Coupler Range

C 9000 Polymer Quick-Acting Safety Couplers

ISO B Profile



European Profile



ARO Profile



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

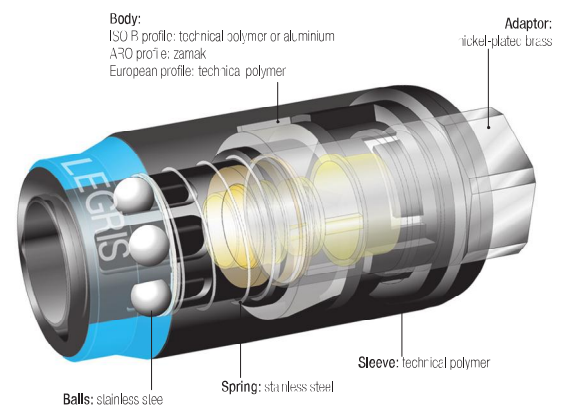
Technical Characteristics

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

Regulations

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

Component Materials

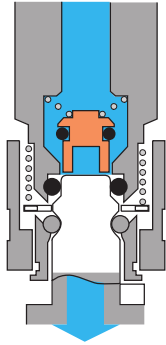


Silicone-free

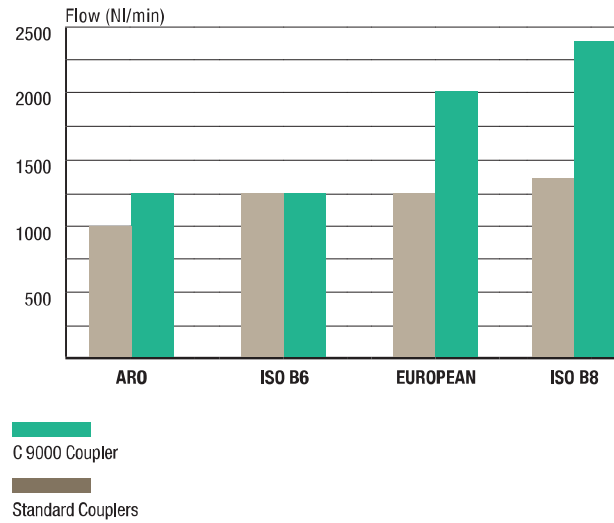
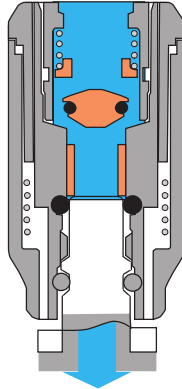
C 9000 Polymer Quick-Acting Safety Couplers

C 9000 Technology and Flow Rates

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



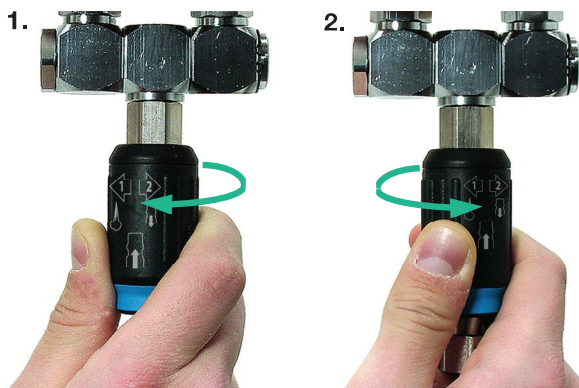
C 9000 quick-acting coupler
"Optimal flow" technology
Flow: 2400 NI/min



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



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

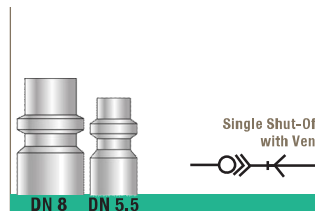
Venting time = 350 ms (transition from 6 bar to 0.2 bar)

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


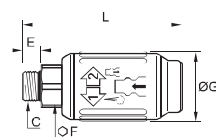
Venting time = 860 ms (transition from 6 bar to 0.2 bar)

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


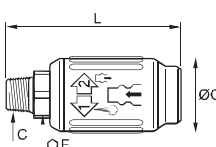
ISO B Profile




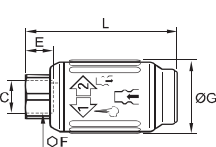
9401U Coupler, Male BSPP Thread

	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									


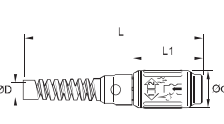
9405U Coupler, Male BSPT Thread

	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								


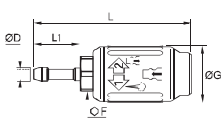
9414U Coupler, Female BSPP Thread

	Technical polymer, nickel-plated brass, NBR 	DN	C	E	F	G	L	kg	
		5.5	G1/4	9414U06 13	12	17	31.5	68.5	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									

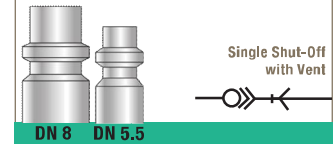
9410U Coupler, LF 3000® Push-In Connection, Body Spiral Protection Spring

	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						


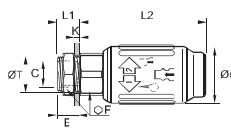
9421U Coupler with Hosetail

	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 flow = 1250 NI/min C 9000 Series ISO B (DN 8): single shut-off flow = 2400 NI/min								

ISO B Profile


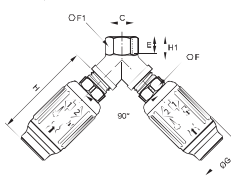


9416U Coupler, Bulkhead Mountable, Female BSPP Thread

	Technical polymer, nickel-plated brass, NBR 	$\overline{\text{DN}}$ 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


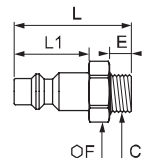
C 9000 Series ISO B (DN 5.5): single shut-off = 1250 NI/min
C 9000 Series ISO B (DN 8): single shut-off = 2400 NI/min

9440U Y Coupler, Female BSPP Thread

	Technical polymer, nickel-plated brass, NBR 	$\overline{\text{DN}}$ 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


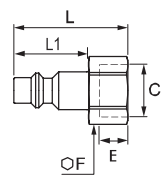
9087U Probe, Straight-Through, Male BSPP Thread

	Nickel-plated steel, technical polymer 	$\overline{\text{DN}}$ C	E	F	L	L1	kg		
		5.5	G1/4	9087U06 13	9	17	38	24	0.025
			G3/8	9087U06 17	9	19	38	24	0.032
			G1/2	9087U06 21	12	22	42	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


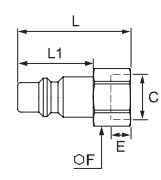
Probe without shut-off

9086U Probe, Straight-Through, Female BSPP Thread

	Nickel-plated steel 	$\overline{\text{DN}}$ 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

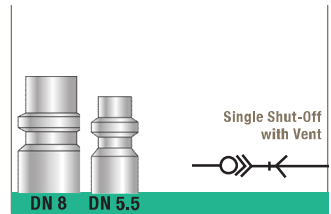
9086U Probe, Straight-Through, Female BSPP Thread

	Nickel-plated steel 	$\overline{\text{DN}}$ 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


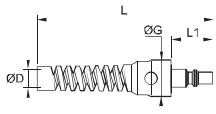

Probe without shut-off
30 Series probe (DN 8.5) compatible with ISO B series C 9000 couplers (DN 8)




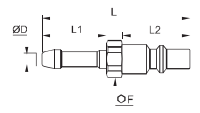

ISO B Profile



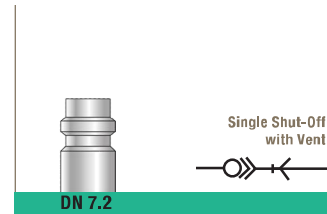
9080U Probe, Straight-Through, LF 3000® Push-In Connection, with Spiral Protection Spring

	Nickel-plated steel, NBR 		ØD	G	L	L1	kg	
			5.5	8	24	112	24	0.052
				10	24	112	24	0.044
			8	10	24	114	26	0.095
				12	29.5	125	26	0.096
Probe without shut-off								


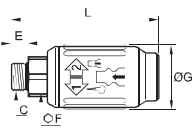
9094U Probe, Straight-Through, with Hosetail

	Nickel-plated steel 		ØD	F	L	L1	L2	kg	
			5.5	6	14	51	24	25	0.016
				8	14	51	27	25	0.017
				10	14	51	24	25	0.018
			8	8	17	51	24	25	0.027
				10	17	51	27	25	0.028
	13	17	51	24	25	0.031			
Probe without shut-off									

European Profile


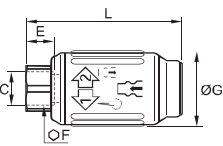


9401E Coupler, Male BSPP Thread

	Technical polymer, nickel-plated brass, NBR 	DN	C		E	F	G	L	kg								
										G1/4	9401E07 13	6.5	22	36.5	80	0.124	
										7.2	G3/8	9401E07 17	7.5	22	36.5	81	0.122
											G1/2	9401E07 21	9	25	36.5	83.5	0.136


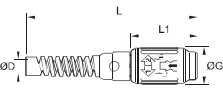
C 9000 Series: single shut-off = 2000 NI/min

9414E Coupler, Female BSPP Thread

	Technical polymer, nickel-plated brass, NBR 	DN	C		E	F	G	L	kg								
										G1/4	9414E07 13	12	22	36.5	73	0.118	
										7.2	G3/8	9414E07 17	12	22	36.5	73	0.109
											G1/2	9414E07 21	15	27	36.5	78	0.130


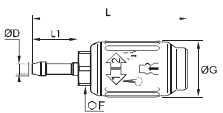
C 9000 Series: single shut-off = 2000 NI/min

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


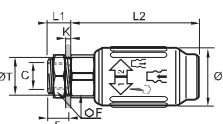
C 9000 Series: single shut-off = 2000 NI/min

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 BSPP 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

Polymer: C 9000 Safety
Quick-Acting Couplers

European Profile



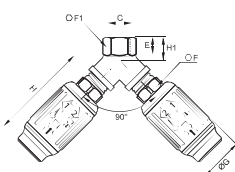
Single Shut-Off
with Vent

DN 7.2

9440E Y Coupler, Female BSPP Thread



Technical polymer, nickel-plated brass, NBR



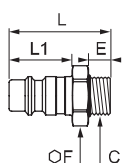
DN	C	E	F	F1	G	H	H1	kg	
7.2	G1/2	9440E07 21	14	25	25	36.5	78	19	0.335

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

9087E Probe, Straight-Through, Male BSPP Thread



Nickel-plated steel, technical polymer



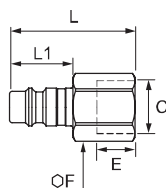
DN	C	E	F	L	L1	kg	
7.2	G1/4	9087E07 13	9	14	34	20	0.018
	G3/8	9087E07 17	9	17	34	20	0.025
	G1/2	9087E07 21	12	22	38	20	0.048

Probe without shut-off

9086E Probe, Straight-Through, Female BSPP Thread



Nickel-plated steel



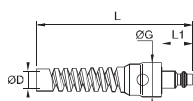
DN	C	E	F	L	L1	kg	
7.4	G1/8	9086 25 10	7	14	32	20	0.015
	G1/4	9086 25 13	9	17	38.5	20	0.027
	G3/8	9086 25 17	9	19	33	20	0.027
	G1/2	9086 25 21	12	24	36	20	0.050

Probe without shut-off

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



Nickel-plated steel, NBR



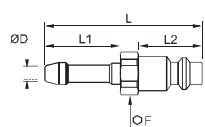
DN	ØD	G	L	L1	kg	
7.2	10	9080E07 10	24	114	20	0.102
	12	9080E07 12	29.5	125	20	0.088

Probe without shut-off

9094E Probe, Straight-Through, with Hosetail



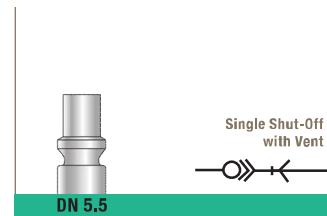
Nickel-plated steel




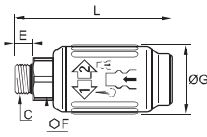

DN	ØD	F	L	L1	L2	kg	
7.2	8	9094E07 08	17	48	20	25	0.014
	10	9094E07 10	17	48	20	25	0.016
	13	9094E07 13	17	48	20	25	0.019

Probe without shut-off

ARO Profile


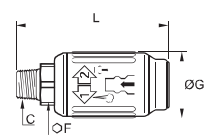



9401A Coupler, Male BSPP Thread

	Technical polymer, nickel-plated brass, NBR 		C	E	F	G	L	kg								
									G1/4	9401A06 13	6.5	17	31.5	70.5	0.105	
									5.5	G3/8	9401A06 17	9	21	31.5	73.5	0.123
										G1/2	9401A06 21	9	25	31.5	70.5	0.150


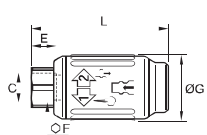

C 9000 series: single shut-off = 1250 Nl/min

9405A Coupler, Male BSPT Thread

	Technical polymer, nickel-plated brass, NBR 		C	F	G	L	kg							
								R1/4	9405A06 13	17	31.5	73	0.105	
								5.5	R3/8	9405A06 17	19	31.5	74.5	0.110
									R1/2	9405A06 21	22	31.5	79.5	0.140


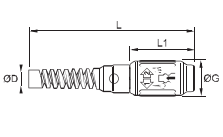

C 9000 series: single shut-off = 1250 Nl/min

9414A Coupler, Female BSPP Thread

	Technical polymer, nickel-plated brass, NBR 		C	E	F	G	L	kg								
									G1/4	9414A06 13	12	17	31.5	64.5	0.095	
									5.5	G3/8	9414A06 17	12	22	31.5	70	0.115
										G1/2	9414A06 21	15	27	31.5	76	0.145


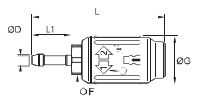

C 9000 series: single shut-off = 1250 Nl/min

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

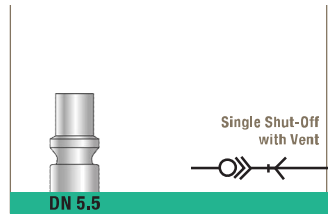
C 9000 series: single shut-off = 1250 Nl/min

9421A Coupler with Hosetail


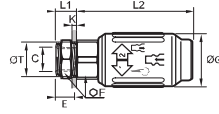

	Technical polymer, nickel-plated brass, NBR 		ØD	F	G	L	L1	kg								
									5.5	6	9421A06 06	17	31.5	86.5	26	0.110
										8	9421A06 08	17	31.5	86.5	26	0.100
										10	9421A06 10	17	31.5	86.5	26	0.100

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


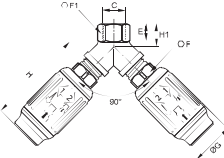

ARO Profile




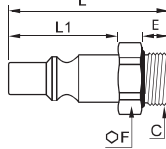

9416A Coupler, Bulkhead Mountable, Female BSPP Thread

	Technical polymer, nickel-plated brass, NBR 	 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										


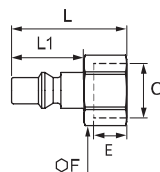

9440A Y Coupler, Female BSPP Thread

	Technical polymer, nickel-plated brass, NBR 	 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									


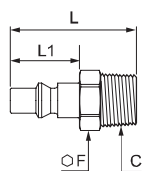

9087A Probe, Straight-Through, Male BSPP Thread

	Nickel-plated steel, technical polymer 	 C	E	F	L	L1	kg			
			G1/4	9087A06 13	9	17	36	22	0.020	
			5.5	G3/8	9087A06 17	9	19	36	22	0.024
			G1/2	9087A06 21	12	24	40	22	0.039	
Probe without shut-off										

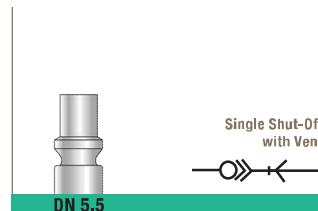
9086A Probe, Straight-Through, Female BSPP Thread

	Nickel-plated steel 	 C	E	F	L	L1	kg			
			G1/4	9086 22 13	9	17	35.5	22	0.024	
			5.5	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										


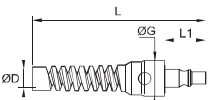
9084A Probe, Straight-Through, Male BSPT Thread

	Nickel-plated steel 	 C	F	L	L1	kg			
			R1/4	9084 22 13	14	40.5	22	0.020	
			5.5	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									


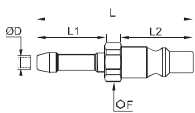
ARO Profile



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 10 10 9080A06 10	24	118	22	0.028 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 8 8 9094A06 08 10 10 9094A06 10	14	48.5	22	25	0.012 0.014 0.016
Probe without shut-off							

