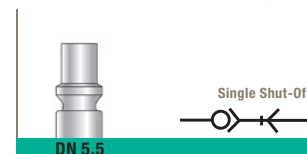





ARO Profile

14 and 22 Series





9101 Coupler, Male BSPP Thread

	Nickel-plated brass, NBR									
	DN									
	C									
	G1/4									
5.5	G3/8		9101 14 13	9	22	27	43	0.080		
	G1/2		9101 14 17	9	22	27	43	0.081		
	G1/2		9101 14 21	12	24	27	46	0.093		





14 Series (DN 5.5): single shut-off = 560 NI/min

9105 Coupler, Male BSPT Thread



	Nickel-plated brass, NBR							kg	
	DN								
	C								
	R1/4								
5.5	R3/8		9105 22 13	19	23	61	0.098		
	R1/2		9105 22 17	12	19	60	0.096		
	R1/2		9105 22 21	22	23	61	0.114		

22 Series (DN 5.5): single shut-off = 800 NI/min

9114 Coupler, Female BSPP Thread



	Nickel-plated brass, NBR								C		E	F	G	L	kg		
	14 Series (DN 5.5): single shut-off = 560 NI/min																
5.5	G1/4		9114 14 13	9	22	27	43	0.095									
	G3/8		9114 14 17	9	22	27	43	0.091									
	G1/2		9114 14 21	12	24	27	46	0.098									

9114 Coupler, Female BSPP Thread

	Nickel-plated brass, NBR							E	F	G	L	kg		
	DN													
	C													
	G1/4													
5.5	G3/8		9114 22 13					9	19	23	56	0.098		
	G1/2		9114 22 17					9	19	23	55	0.091		
	G1/2		9114 22 21					12	24	23	58	0.123		

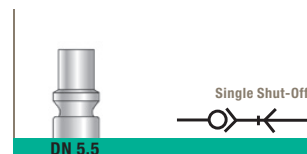
22 Series (DN 5.5): single shut-off = 800 NI/min

9123 Coupler with Barb Connection


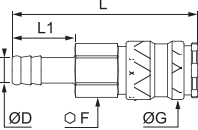


	Nickel-plated brass, NBR														
				DN	ØD	F	G	L	L1	kg					
				5.5	6	9123 14 06	21	27	60	25	0.080				
					8	9123 14 08	21	27	60	25	0.081				
					9	9123 14 09	21	27	60	25	0.082				
					10	9123 14 10	21	27	60	25	0.082				
		13	9123 14 13	21	27	60	25	0.094							
14 Series (DN 5.5): single shut-off = 560 NI/min															

ARO Profile


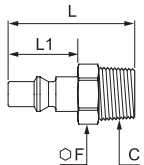


14 and 22 Series




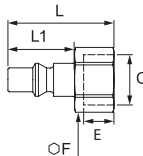


9123 Coupler with Barb Connection

	Nickel-plated brass, NBR			ØD							
						F	G	L	L1	kg	
						19	23	74	25	0.093	
						19	23	74	25	0.097	
						19	23	74	25	0.098	
22 Series (DN 5.5): single shut-off = 800 Nl/min											


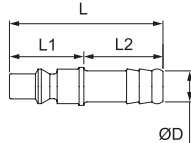


9084 Probe, Straight-Through, Male BSPT Thread

	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 22 Series probe (DN 5.5) compatible with 14 Series coupler (DN 5.5)							

9086 Probe, Straight-Through, Female BSPP Thread

	Nickel-plated steel			C							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												
22 Series probe (DN 5.5) compatible with 14 Series coupler (DN 5.5)												

9085 Probe, Straight-Through, with Barb Connection

	Nickel-plated steel			ØD						
						L	L1	L2	kg	
						48.5	22	25	0.012	
						48.5	22	25	0.014	
						48.5	22	25	0.014	
						48.5	22	25	0.016	
						48.5	22	25	0.022	
Probe without shut-off 22 Series probe (DN 5.5) compatible with 14 Series coupler (DN 5.5)										

Metal

Quick-Acting Couplers

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
	Wide variety of male probes
Robust & Reliable	Extremely compact
	Single or double shut-off models for greater safety
Optimum Performance	Special range designed for pneumatic applications: 13 Series to 27
	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
Optimum Performance	Nickel-plated brass for corrosion resistance
	Stainless steel version for restrictive environments
Optimum Performance	Very wide range of flow rates
	"UltraFlo" technology: 18, 22, 23, 25 and 27 series
Optimum Performance	Low pressure drop
	Long service life
Optimum Performance	Maximum energy efficiency



Applications

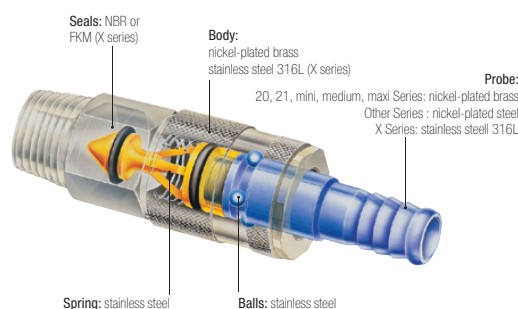
- Workshops
- Flushing
- Spraying
- Packaging
- Factory Automation
- Filling Systems
- Cleaning

Technical Characteristics

Compatible Fluids	Compressed air, water (see compatibility chart below)
Working Pressure	0 to 20 bar 0 to 35 bar (stainless steel series)
Working Temperature	-20°C to +100°C -15°C to +200°C (stainless steel series)

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

Component Materials

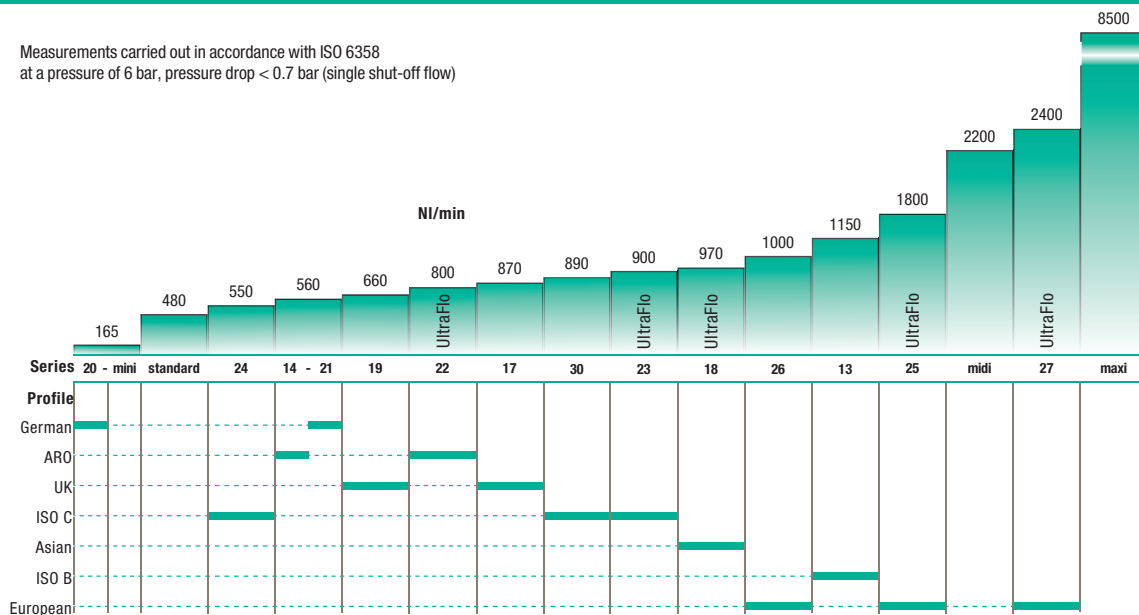


Silicone-free

Metal Quick-Acting Couplers

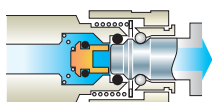
Metal Quick-Acting Coupler Technology and Flow Rates

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



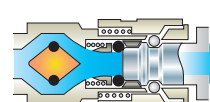
"Typical" quick-acting coupler

Standard "poppet" technology
Flow: 1000 NI/min



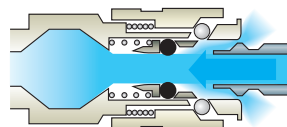
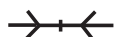
UltraFlo quick-acting coupler

"Optimal flow" technology
Flow: 1700 NI/min

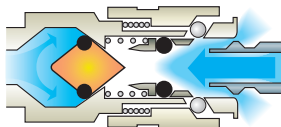
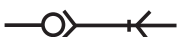


3 Shut-Off Functions

Straight-Through

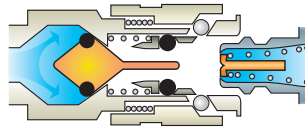
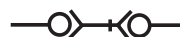


Single Shut-Off



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

Double Shut-Off

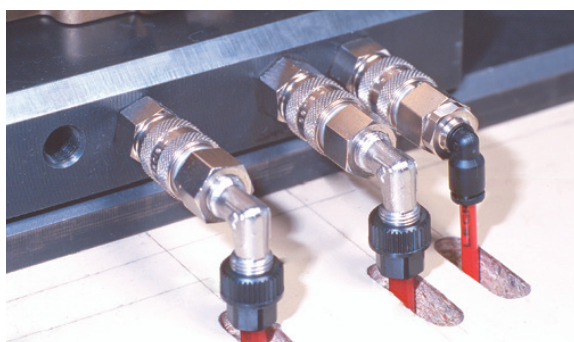


Double shut-off coupler
+ probe with shut-off
When disconnected, the fluid path is closed
upstream (body side) and downstream (probe side).

Operation



Installation Options



Metal

Chemical Compatibility Chart for Metal Couplers

Below are the fluids compatible with Parker Legris metal quick-acting couplers.
This list is not exhaustive: if your fluid is not shown here, please contact us.

A

Acetamide
Ammonium chloride
Ammonium in solution
Argon
ASTM no. 1 oil
ASTM no. 2 oil
ASTM no. 3 oil

B

C

Butyl alcohol
Calcium carbonate
Castor oil
Coconut oil
Cod liver oil
Cold ammonium
Corn oil
Cotton seed oil
Cyclohexane

D

Detergents
Diesel oil
Diethylene glycol

E

Engine oil
Ethane
Ethanol
Ethyl alcohol
Ethyl silicate
Ethylene glycol

F

G

Fuel oil
Gear oil
Glycerin
Glycerol triacetate
Glycol
Groundnut oil

H

Heating oil (petroleum-based)

Helium

Heptane N

Hexane N

Hexyl alcohol

Hydraulic liquids:

H group

H-L group

H-LP group

HSA group

HSB group

HSD c (T) group in accordance with

DIN 51524 and 51525

I

Isododecane

Isooctane

L

Lard

Linseed oil

Methanol

Mineral oil

Neatsfoot oil

N

N-Heptane

N-Hexane

Nitrogen

N-Pentane

O

ctadecane

Olive oil

P

entane N

Petroleum

Propyl alcohol

Propylene glycol

S

eaewater

Silicone grease

Soap solution

Sodium hydroxide

Sodium sulphate

Soya bean oil

Stearyl alcohol

T

erebenthine

Trisodium phosphate

V

aseline

Vaseline oil

Vegetable oil

W

ater

Wood oil

Z

inc chloride

The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

Quick-Acting Coupler Part Numbers

