



# Apollo Global Coupling

## Quick-release coupling series

### Features and Benefits

- Increase productivity
- High quality
- Easy to use
- Contributes in work-site safety
- Automatic gas supply shutoff
- Double seal packing
- Miss-connection proof
- Designed according to ISO 7289

The **Apollo Global coupling** have been designed to provide quick set up and removal of cutting and welding equipment.

Precisely machined single push system easily connects matching couplings with a click. Safety lock function assures secure connection and prevents unintended disconnection during use.

KOIKE Apollo Global couplings fulfill ISO 7289.



## High quality design

### ■ Brightly colored

For safety, each coupling socket has lock key made of brightly colored resin. Unlike sticker or paint, color stays on for long time, contributing in safety.

### ■ Safety lock mechanism

Each socket is equipped with Safety Lock function, which secures the connection and prevents accidental disconnection.

### ■ Automatic gas supply shutoff

Allows flow of supply gas only when couplings are connected. Gas supply is automatically shutoff when couplings are disconnected.

### ■ Double seal packing

Two unique seal packings provided between plug and socket assures tight sealing.

### ■ Chrome plated

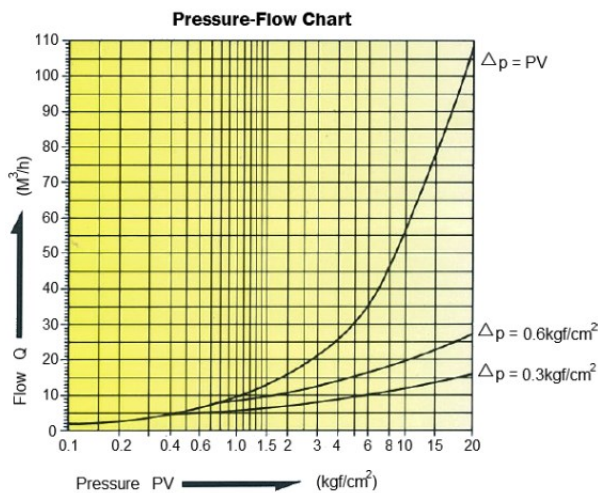
Durable chrome plating finish provide corrosion resistance and ensures smooth coupling to last.

### ■ Quality

Designed according to ISO7289 and produced in Japan under excellent quality management.



## Technical specification



### ■ Maximum working pressure

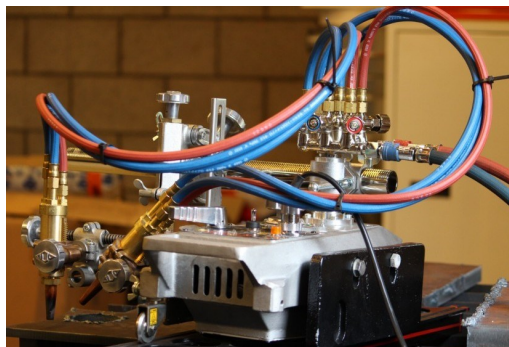
Oxygen	9.8 bar
Fuel gas	2.0 bar
Inert gas (Welding gas)	9.8 bar

### ■ Check valve working pressure (Z-type coupling only)

Activation at	0.015 bar
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### ■ Durability

Endurance test (by UL) : 30,000 cycles



Sample: **Z O P - 1 A S****Series**

S: "Global" Coupling series

**Flashback arrestor**

A: Equipped

**Gas type**

1: Oxygen 2: Fuel gas 3: Inert gas (welding gas)

**Connector shape**

P: Plug S: Socket

**Equipped to**

G: Regulator A: Hose O: Machine/Torch

**Check valve (back-flow protection)**

Z: Equipped

Model: **GS**

Regulator mount



Model	Connection	Type of gas	Installation	Stock #
GS-1S	G1/4 RH	Oxygen	Regulator	CG2311
	G3/8 RH	Oxygen	Regulator	CG2321
	M16 x 1.5 RH	Oxygen	Regulator	CG2821
	BSPF 3/8" RH	Oxygen	Regulator	CG2621
	US 9/16"-18 UNF RH	Oxygen	Regulator	CG2021
GS-2S	G1/4 LH	Fuel gas	Regulator	CG2333
	G3/8 LH	Fuel gas	Regulator	CG2331
	M16 x 1.5 LH	Fuel gas	Regulator	CG2841
	BSPF 3/8" LH	Fuel gas	Regulator	CG2641
	US 9/16"-18 UNF LH	Fuel gas	Regulator	CG2041
GS-3S	G1/4 RH	Inert gas (Welding gas)	Regulator	CG3031
	G3/8 RH	Inert gas (Welding gas)	Regulator	CG3321
	M16 x 1.5 RH	Inert gas (Welding gas)	Regulator	CG3821
	BSPF 3/8" RH	Inert gas (Welding gas)	Regulator	CG3621
	US 9/16"-18 UNF RH	Inert gas (Welding gas)	Regulator	CG3021

Model: **AP / ZAP**

Hose mount, regulator side

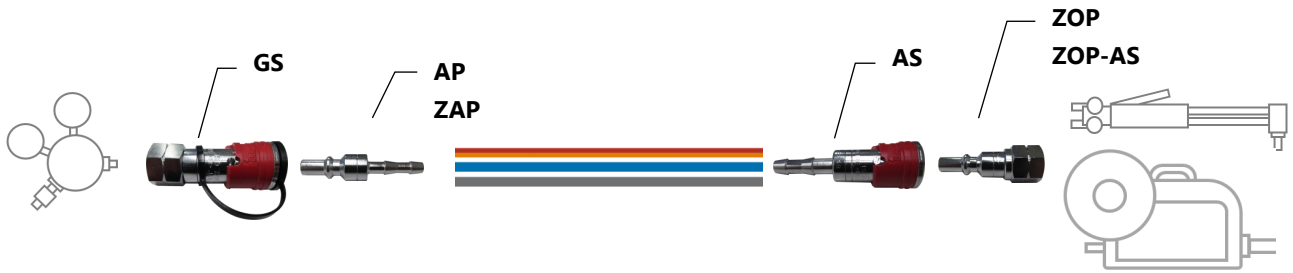


Model	Max. hose diameter	Type of gas	Installation	Stock #
AP-1S	6.0 mm	Oxygen	Hose	CG2500
	8.2 mm	Oxygen	Hose	CG2414
	9.2 mm	Oxygen	Hose	CG2424
AP-2S	6.0 mm	Fuel gas	Hose	CG2501
	8.2 mm	Fuel gas	Hose	CG2474
	9.2 mm	Fuel gas	Hose	CG2502
	11 mm	Fuel gas	Hose	CG2434
AP-3S	6.0 mm	Inert gas (Welding gas)	Hose	CG3432
	8.2 mm	Inert gas (Welding gas)	Hose	CG3414
	9.2 mm	Inert gas (Welding gas)	Hose	CG3424



ZAP-1S	6.0 mm	Oxygen	Hose	CG2924
	7.0 mm	Oxygen	Hose	CG2926
	8.2 mm	Oxygen	Hose	CG2312
	9.2 mm	Oxygen	Hose	CG2322
	11 mm	Oxygen	Hose	CG2922
ZAP-2S	6.0 mm	Fuel gas	Hose	CG2944
	7.0 mm	Fuel gas	Hose	CG2946
	8.2 mm	Fuel gas	Hose	CG2334
	9.2 mm	Fuel gas	Hose	CG2942
	11 mm	Fuel gas	Hose	CG2332
ZAP-3S	6.0 mm	Inert gas (Welding gas)	Hose	CG3924
	8.2 mm	Inert gas (Welding gas)	Hose	CG3312
	9.2 mm	Inert gas (Welding gas)	Hose	CG3322





## Model: **AS**

Hose mount, machine / torch side



Model	Max. hose diameter	Type of gas	Installation	Stock #
AS-1S	6.0 mm	Oxygen	Hose	CG2963
	7.0 mm	Oxygen	Hose	CG2967
	8.2 mm	Oxygen	Hose	CG2341
	9.2 mm	Oxygen	Hose	CG2351
	11 mm	Oxygen	Hose	CG2961
AS-2S	6.0 mm	Fuel gas	Hose	CG2983
	7.0 mm	Fuel gas	Hose	CG2987
	8.2 mm	Fuel gas	Hose	CG2363
	9.2 mm	Fuel gas	Hose	CG2981
	11 mm	Fuel gas	Hose	CG2361
AS-3S	6.0 mm	Inert gas (Welding gas)	Hose	CG3132
	8.2 mm	Inert gas (Welding gas)	Hose	CG3341
	9.2 mm	Inert gas (Welding gas)	Hose	CG3351

## Model: **ZOP**

Machine / torch mount



Model	Connection	Type of gas	Installation	Stock #
ZOP-1S	G1/4 RH	Oxygen	Machine / Torch	CG2342
	G3/8 RH	Oxygen	Machine / Torch	CG2352
	M16 x 1.5 RH	Oxygen	Machine / Torch	CG2862
	BSPF 3/8" RH	Oxygen	Machine / Torch	CG2662
	US 9/16"-18 UNF RH	Oxygen	Machine / Torch	CG2062
ZOP-2S	G1/4 LH	Fuel gas	Machine / Torch	CG2364
	G3/8 LH	Fuel gas	Machine / Torch	CG2362
	M16 x 1.5 LH	Fuel gas	Machine / Torch	CG2882
	BSPF 3/8" LH	Fuel gas	Machine / Torch	CG2682
	US 9/16"-18 UNF LH	Fuel gas	Machine / Torch	CG2082
ZOP-3S	G1/4 RH	Inert gas (Welding gas)	Machine / Torch	CG3342
	G3/8 RH	Inert gas (Welding gas)	Machine / Torch	CG3352
	BSPF 3/8" RH	Inert gas (Welding gas)	Machine / Torch	CG3662
	US 9/16"-18 UNF RH	Inert gas (Welding gas)	Machine / Torch	CG3062
ZOP-1S	G1/4 RH	Oxygen	Machine / Torch	CG2372
	G3/8 RH	Oxygen	Machine / Torch	CG2472
	M16 x 1.5 RH	Oxygen	Machine / Torch	-
ZOP-2S	G3/8 LH	Fuel gas	Machine / Torch	CG2392
	M16 x 1.5 LH	Fuel gas	Machine / Torch	-



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## Headquarter:

### Koike Europe B.V.

Grote Tocht 19  
1507 CG Zaandam  
The Netherlands

Tel +31-(0)75 - 612 - 7227  
Fax +31-(0)75 - 670 - 2271  
info@koike-europe.com  
www.koike-europe.com

### Koike Europe B.V.

#### Germany Branch Office

Im Löchel 2  
35423 Lich-Eberstadt  
Deutschland

Tel +49-(0)6004 - 91 - 6930  
Fax +49-(0)6004 - 91 - 6931- 01  
info.germany@koike-europe.com  
www.koike-europe.com

### Koike France S.a.r.l.

Espace Mercure  
Z.A.E. Les Dix Muids  
59770 Marly  
France

Tel +33-32730-4343  
Fax +33-32730-1250  
info@koike-europe.com  
www.koike-europe.com

### Koike Italia Srl

Via Papa Giovanni XXIII, n 45  
20090 - RODANO (MILANO)  
Italy

Tel +39-02953 - 28 - 717  
Fax +39-02739 - 60 - 447  
info@koike-europe.com  
www.koike-europe.com

### Koike Middle East FZE

SAIF Zone Sharjah-UAE  
P.O. Box 122978  
United Arab Emirates

Mobile +971561177615 /  
+971566453803  
Fax +9716-5312805  
b.pandey@koike-europe.com  
www.koike-europe.com