



APOLLO GLOBAL COUPLINGS

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 couplings are designed to provide a quick set up and removal of cutting and welding equipment. A precisely machined single push system easily connects matching couplings with a click. The safety lock function ensures a secure connection and prevents unintended disconnection during operation. KOIKE Apollo Global couplings are designed according to ISO 7289.



Quick couplings

High quality design

- **Brightly colored**
For safety, each coupling socket has lock key made of brightly colored resin. Unlike sticker or paint, color is permanent, 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**
This allows the flow of supply gas only when couplings are connected. Gas supply is automatically shutoff when couplings are disconnected.
- **Double seal packing**
The double seal packings between the plug and the socket assures tight sealing.
- **Chrome plated**
Durable chrome plating finish provide corrosion resistance and ensures smooth coupling to last.
- **Quality**
Designed according to ISO 7289 and produced in Japan under strict quality management.



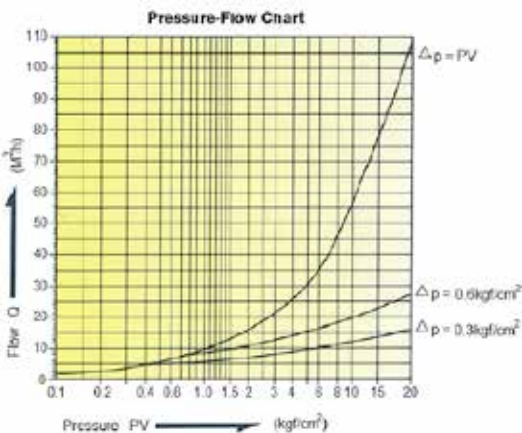
Technical specifications

- **Maximum working pressure**

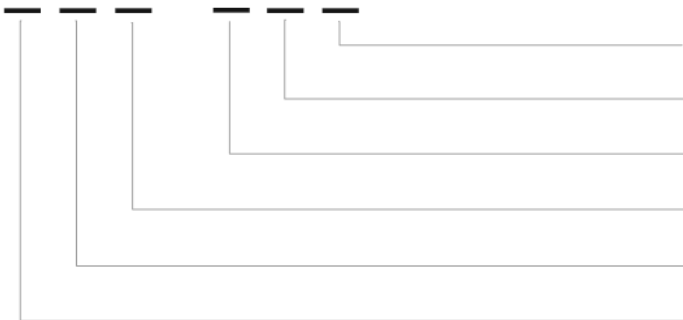
Oxygen	9.8 bar
Fuel gas	2.0 bar
Inert gas (Welding gas)	9.8 bar
- **Check valve working pressure (Z-type coupling only)**

Activation at	0.015 bar
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- **Durability**

Endurance test (by UL)	30,000 cycles
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Sample: Z O P - 1 A S



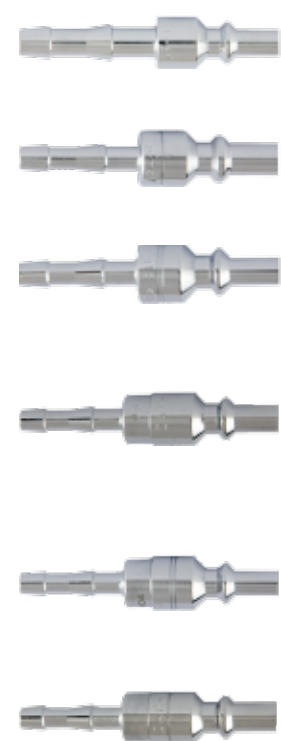
- Series**
S: “Global” Coupling series
- Flashback arrestor**
A: Equipped
- Gas type**
1: Oxygen 2: Fuel gas 3: Inert gas (welding gas)
- Connector shape**
P : Plug S: Socket
- Equipped to**
G: Regulator A: Hose O: Machine/Torch
- Check valve (back-flow protection)**
Z: Equipped

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

Quick couplings

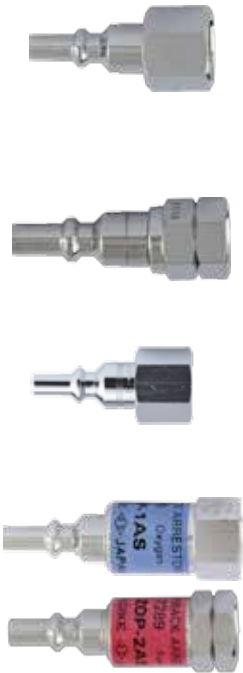


Model: AS



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	Max. hose diameter	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-1AS	G1/4 RH	Oxygen	Machine / Torch	CG2372
	G3/8 RH	Oxygen	Machine / Torch	CG2472
ZOP-2AS	M16 x 1.5 RH	Oxygen	Machine / Torch	-
	G3/8 LH	Fuel gas	Machine / Torch	CG2392
	1/4 RH	Oxygen	Machine / Torch	CG2492