

# Dixon Global Cam and Groove



*The Right Connection™*

## Type A Adapters

Male Adapter x Female NPT



Size	Aluminum Part #	Size	Brass Part #	Size	Stainless Steel Part #
¾"	G75-A-AL	¾"	G75-A-BR	¾"	G75-A-SS
1"	G100-A-AL	1"	G100-A-BR	1"	G100-A-SS
1¼"	G125-A-AL	1¼"	G125-A-BR	1¼"	G125-A-SS
1½"	G150-A-AL	1½"	G150-A-BR	1½"	G150-A-SS
2"	G200-A-AL	2"	G200-A-BR	2"	G200-A-SS
2½"	G250-A-AL	2½"	G250-A-BR	2½"	G250-A-SS
3"	G300-A-AL	3"	G300-A-BR	3"	G300-A-SS
4"	G400-A-AL	4"	G400-A-BR	4"	G400-A-SS
6"	G600-A-AL	--	---	6"	G600-A-SS

See page 7 for material specifications.

## Type F Adapters

Male Adapter x Male NPT



Size	Aluminum Part #	Size	Brass Part #	Size	Stainless Steel Part #
¾"	G75-F-AL	¾"	G75-F-BR	¾"	G75-F-SS
1"	G100-F-AL	1"	G100-F-BR	1"	G100-F-SS
1¼"	G125-F-AL	1¼"	G125-F-BR	1¼"	G125-F-SS
1½"	G150-F-AL	1½"	G150-F-BR	1½"	G150-F-SS
2"	G200-F-AL	2"	G200-F-BR	2"	G200-F-SS
2½"	G250-F-AL	2½"	G250-F-BR	2½"	G250-F-SS
3"	G300-F-AL	3"	G300-F-BR	3"	G300-F-SS
4"	G400-F-AL	4"	G400-F-BR	4"	G400-F-SS
6"	G600-F-AL	--	---	6"	G600-F-SS

See page 7 for material specifications.

## SAFETY

### HOSE COUPLING SAFETY

- Use Dixon couplings, retention devices and accessory products **only** for their intended service.
- All recommendations of the Hose Manufacturer, and the Coupling Manufacturer, must be employed with regards to **Size, Temperature, Application, Media, and Pressure** when selecting the components for a hose assembly.
- All finished hose assemblies should be tested in accordance with the Rubber Manufacturers Association recommendations.
- All hose assemblies should be thoroughly inspected prior to each use to ensure they are undamaged, and properly coupled.
- Use safety clips on couplings, and King Safety Cables on assemblies where required by the manufacturer, as well as State and Federal regulations. (OSHA regulations may be viewed in full on the OSHA website, [www.osha.gov](http://www.osha.gov).)
- Under no circumstances should the assembly working pressure or working temperature exceed the working pressure or working temperature of the lowest rated component (coupling, clamp, ferrule, or hose).
- Call Dixon (800.355.1991) for advice on couplings, retention devices, and accessories for your application.

# Type E Adapters

Male Adapter x Hose Shank



Size	Aluminum Part #
¾"	G75-E-AL
1"	G100-E-AL
1¼"	G125-E-AL
1½"	G150-E-AL
2"	G200-E-AL
2½"	G250-E-AL
3"	G300-E-AL
4"	G400-E-AL
6"	G600-E-AL

Size	Brass Part #
¾"	G75-E-BR
1"	G100-E-BR
1¼"	G125-E-BR
1½"	G150-E-BR
2"	G200-E-BR
2½"	G250-E-BR
3"	G300-E-BR
4"	G400-E-BR
--	---

Size	Stainless Steel Part #
¾"	G75-E-SS
1"	G100-E-SS
1¼"	G125-E-SS
1½"	G150-E-SS
2"	G200-E-SS
2½"	G250-E-SS
3"	G300-E-SS
4"	G400-E-SS
6"	G600-E-SS

See page 7 for material specifications.

# Type DP Adapters

Dust Plug



Size	Aluminum Part #
¾"	G75-DP-AL
1"	G100-DP-AL
1¼"	G125-DP-AL
1½"	G150-DP-AL
2"	G200-DP-AL
2½"	G250-DP-AL
3"	G300-DP-AL
4"	G400-DP-AL
6"	G600-DP-AL

Size	Brass Part #
¾"	G75-DP-BR
1"	G100-DP-BR
1¼"	G125-DP-BR
1½"	G150-DP-BR
2"	G200-DP-BR
2½"	G250-DP-BR
3"	G300-DP-BR
4"	G400-DP-BR
--	---

Size	Stainless Steel Part #
¾"	G75-DP-SS
1"	G100-DP-SS
1¼"	G125-DP-SS
1½"	G150-DP-SS
2"	G200-DP-SS
2½"	G250-DP-SS
3"	G300-DP-SS
4"	G400-DP-SS
6"	G600-DP-SS

See page 7 for material specifications.

Dust plugs are NOT to be used in pressure applications for safety and environmental reasons.

# Type C Couplers

Female Coupler x Hose Shank



Size	Aluminum Part #
3/4"	G75-C-AL
1"	G100-C-AL
1 1/4"	G125-C-AL
1 1/2"	G150-C-AL
2"	G200-C-AL
2 1/2"	G250-C-AL
3"	G300-C-AL
4"	G400-C-AL
6"	G600-C-AL

Size	Brass Part #
3/4"	G75-C-BR
1"	G100-C-BR
1 1/4"	G125-C-BR
1 1/2"	G150-C-BR
2"	G200-C-BR
2 1/2"	G250-C-BR
3"	G300-C-BR
4"	G400-C-BR
--	---

Size	Stainless Steel Part #
3/4"	G75-C-SS
1"	G100-C-SS
1 1/4"	G125-C-SS
1 1/2"	G150-C-SS
2"	G200-C-SS
2 1/2"	G250-C-SS
3"	G300-C-SS
4"	G400-C-SS
6"	G600-C-SS

See page 7 for material specifications.

# Type D Couplers

Female Coupler x Female NPT



Size	Aluminum Part #
3/4"	G75-D-AL
1"	G100-D-AL
1 1/4"	G125-D-AL
1 1/2"	G150-D-AL
2"	G200-D-AL
2 1/2"	G250-D-AL
3"	G300-D-AL
4"	G400-D-AL
6"	G600-D-AL

Size	Brass Part #
3/4"	G75-D-BR
1"	G100-D-BR
1 1/4"	G125-D-BR
1 1/2"	G150-D-BR
2"	G200-D-BR
2 1/2"	G250-D-BR
3"	G300-D-BR
4"	G400-D-BR
--	---

Size	Stainless Steel Part #
3/4"	G75-D-SS
1"	G100-D-SS
1 1/4"	G125-D-SS
1 1/2"	G150-D-SS
2"	G200-D-SS
2 1/2"	G250-D-SS
3"	G300-D-SS
4"	G400-D-SS
6"	G600-D-SS

See page 7 for material specifications.

# Type B Couplers

Female Coupler x Male NPT



Size	Aluminum Part #
¾"	G75-B-AL
1"	G100-B-AL
1¼"	G125-B-AL
1½"	G150-B-AL
2"	G200-B-AL
2½"	G250-B-AL
3"	G300-B-AL
4"	G400-B-AL
6"	G600-B-AL

Size	Brass Part #
¾"	G75-B-BR
1"	G100-B-BR
1¼"	G125-B-BR
1½"	G150-B-BR
2"	G200-B-BR
2½"	G250-B-BR
3"	G300-B-BR
4"	G400-B-BR
--	---

Size	Stainless Steel Part #
¾"	G75-B-SS
1"	G100-B-SS
1¼"	G125-B-SS
1½"	G150-B-SS
2"	G200-B-SS
2½"	G250-B-SS
3"	G300-B-SS
4"	G400-B-SS
6"	G600-B-SS

See page 7 for material specifications.

# Type DC Dust Caps

Dust Cap



Size	Aluminum Part #
¾"	G75-DC-AL
1"	G100-DC-AL
1¼"	G125-DC-AL
1½"	G150-DC-AL
2"	G200-DC-AL
2½"	G250-DC-AL
3"	G300-DC-AL
4"	G400-DC-AL
6"	G600-DC-AL

Size	Brass Part #
¾"	G75-DC-BR
1"	G100-DC-BR
1¼"	G125-DC-BR
1½"	G150-DC-BR
2"	G200-DC-BR
2½"	G250-DC-BR
3"	G300-DC-BR
4"	G400-DC-BR
--	---

Size	Stainless Steel Part #
¾"	G75-DC-SS
1"	G100-DC-SS
1¼"	G125-DC-SS
1½"	G150-DC-SS
2"	G200-DC-SS
2½"	G250-DC-SS
3"	G300-DC-SS
4"	G400-DC-SS
6"	G600-DC-SS

See page 7 for material specifications.

Dust caps are NOT to be used in pressure applications for safety and environmental reasons.

# Handle Assemblies for Aluminum and Brass Couplers



Investment Cast Stainless Steel Handle



Brass Handle

Size	Description	Part #
3/4"	investment cast stainless steel	<b>G75HRP</b>
1"	investment cast stainless steel	<b>G100HRP</b>
1 1/4" - 2 1/2"	brass	<b>G125HRP</b>
3" - 4"	brass	<b>G34HRP</b>
6"	brass	<b>G600HRP</b>

Assembly includes handles, rings, pins

# Handle Assemblies for Stainless Steel Couplers



Sintered Stainless Steel Handle

Size	Description	Part #
3/4"	sintered stainless steel	<b>G75HRPSS</b>
1"	sintered stainless steel	<b>G100HRPSS</b>
1 1/4" - 2 1/2"	sintered stainless steel	<b>G125250HRPSS</b>
3" - 4"	sintered stainless steel	<b>G300400HRPSS</b>
6"	sintered stainless steel	<b>G600HRPSS</b>

Assembly includes handles, rings, pins

# Stainless Steel Ring



Description	Part #
stainless steel ring	<b>R200SS</b>

These products have been manufactured to Dixon's qualifications and are available for sale in North America through the Dixon Distribution System of warehouses.

## Dixon Global Cam and Groove Specifications

Dixon Global Cam and Groove couplers and adapters are produced to interchange with all product produced to *Mil-C-27487F*.  
*Designed for use with liquids, consult Dixon for specific recommendations.*

### Aluminum Couplers and Adapters

Size (inches)	¾" and 1"	1¼" through 2"	2½"	3"	4"	6"
Pressure (psig)	250	250	150	125	100	75
Body	A380 Permanent Mold					356T6 Permanent Mold
Handles	Investment Cast 316 Stainless	Forged Brass				
Rings	Zinc Plated Carbon Steel					
Pins	Carbon Steel					
Gaskets	Buna					

### Benefits of Permanent Mold Castings vs. Most Imported Pressure Die Castings

- permanent mold process *reduces metal turbulence* virtually eliminating pin hole porosity that is commonly found in die castings
- eliminating pin hole porosity allows machined surfaces to be *pressure tight with consistent mechanical and physical properties*
- permanent mold castings have a *stronger impact resistance and will not shatter*
- permanent mold process *does not allow trapped gas in the fittings, resulting in a smooth, strong finish for the coupling*

### Brass Couplers and Adapters

Size (inches)	¾" and 1"	1¼" through 2"	2½"	3"	4"	6"
Pressure (psig)	250	250	150	125	100	n / a
Body	Forged Brass, ASTM #38000					
Handles	Investment Cast 316 Stainless	Forged Brass				
Rings	Zinc Plated Carbon Steel					
Pins	Carbon Steel					
Gaskets	Buna					

### Stainless Steel Couplers and Adapters

Size (inches)	¾" and 1"	1¼" through 2"	2½"	3"	4"	6"
Pressure (psig)	250	250	150	125	100	75
Body	316 Stainless Steel Investment Cast CF8M, ASTM #A743					
Handles	316 Sintered Stainless Steel					
Rings	316 Stainless Steel					
Pins	303 Stainless Steel					
Gaskets	Buna					

Through its divisions and affiliated companies, Dixon is recognized as the premier manufacturer and supplier of hose fittings and accessories spanning a wide range of industrial uses. Dixon's reach includes products for fire protection, food, dairy processing, beverage and brewery, mobile tankers, mining, construction, chemical processing, petroleum, oilfields, refining and manufacturing.



*The Right Connection™*

**Dixon Valve & Coupling Company**

800 High Street, Chestertown, MD 21620

Customer Service: 877.963.4966

Fax: 800.283.4966

[www.dixonvalve.com](http://www.dixonvalve.com)