

# FAQ

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**MANsour**  
CHEMICALS & COMMODITIES



## Cam & Groove Couplings and Accessories

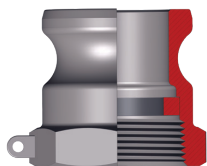
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Email: [info.mcc@mansourgroup.inc](mailto:info.mcc@mansourgroup.inc)  
[www.mansourgroup.inc/shop/](http://www.mansourgroup.inc/shop/)

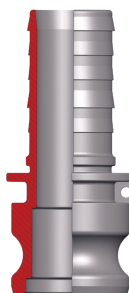
**MANsour**  
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### Cam & Groove Configurations

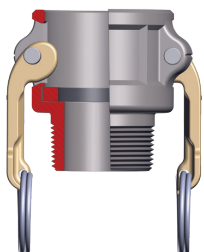
Configurations are representative of the Dixon® line of cam & groove.



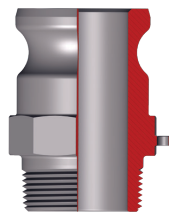
**Type A**  
adapter x female NPT



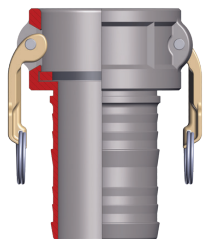
**Type E**  
adapter x hose shank



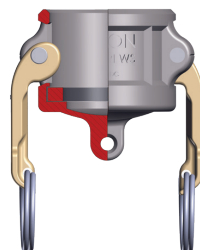
**Type B**  
coupler x male NPT



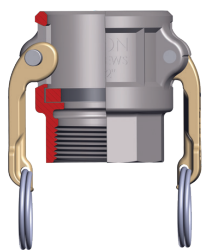
**Type F**  
adapter x male NPT



**Type C**  
coupler x hose shank



**Type DC<sup>1</sup>**  
dust cap



**Type D**  
coupler x female NPT



**Type DP<sup>1</sup>**  
dust plug



<sup>1</sup> Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.

### **⚠ WARNING**

Under no circumstances should cam & groove couplings be used for compressed air or steam service!

## Cam & Groove - General Information

### Dixon® Cam & Groove Styles

#### Dixon

##### Features

- Precision machined to rigid tolerances
- Durable stainless steel cam arm pins will not rust or bind, providing greater strength and safety
- Recess holds gasket firmly in place - ensures proper placement
- Long shank design allows proper banding, thus eliminating the major cause of hose damage



#### DixonGlobal

##### Features

- Interchanges with all products produced to A-A-59326D
- All couplers include locking safety clip
- Aluminum couplers available with brass or stainless steel cam arms
- Brass fittings are produced by forging process providing greater structural integrity and mechanical strength



#### Boss-Lock

##### Features

- The cast-in lugs allow safety clips to be attached once the lugs are passed through slots in the special cam lever arms, providing a patented safety feature. The clips prevent the coupler from being unlocked until they are removed, providing a *positive locking action*.
- Boss-Lock investment stainless steel cam arms are guaranteed! Should you break a Boss-Lock investment stainless steel cam arm, return it to the nearest warehouse for a free replacement.
- The pull ring safety clip simplifies the locking action on Boss-Lock couplers. No more inserting clips or dangling lanyards, just a twist and it's locked, giving you a low-profile positive locking action.



#### EZ Boss-Lock

##### Features

- No more fumbling with clamps, wire, clips, or pins, just close the handles and the locking mechanism is engaged
- Extremely easy to open, the release lever is under your thumb when you want to open the fitting; ergonomic
- Can be supplied with custom shanks; also available with swaged and PF shanks for hard-to-couple chemical hoses
- EZ Boss-Lock investment stainless steel cam arms are guaranteed! Should you break one, return it to the nearest warehouse for a free replacement.



### Dixon® Cam & Groove Styles

#### Vent-Lock® Safety



##### Features

- Safety release cam & groove couplings permit the release of static pressure when disconnecting hose assemblies
- Venting system protects operator from being sprayed with hazardous or non-hazardous fluids or solids
- Does not interchange with standard cam & groove products; use only with Vent-Lock L-style fittings



New



#### Venting EZ Boss-Lock

##### Features

- Unique Dixon system for safely venting systems under pressure
- Utilizes EZ Boss-Lock cam arms in addition to EZLink® tabs that create a secondary positive locking mechanism
- Connects to standard cam & groove adapters
- Design allows for a more ergonomic and safe experience for user



#### EZLink® Armless

##### Features

- Automatic couplers push-to-connect, providing a reliable connection
- Coupler tabs cannot be pushed to disconnect when pressurized to **20 PSI** or over
- Low profile allows easy connection and disconnection in tight applications
- Coupler push tabs can be locked with safety pins and/or zip tie

## Cam & Groove - General Information

### Crimp Fittings

Only use the crimp style shanks with the crimp style sleeves and ferrules. Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon® products.



### Cam & Groove

#### Styles offered

- Dixon type C couplers
- EZ Boss-Lock type C couplers
- Dixon type E adapters
- Global type C couplers
- Global type E adapters

#### Sizes

- 1", 1-1/4", 1-1/2", 2", 3", 4", 6"

#### Materials

- 356T6 aluminum
- Brass
- 316 stainless steel
- Unplated ductile iron



### Sleeves and Ferrules

#### Styles offered

- Sleeve (1", 1-1/4", 1-1/2", 2", 3", 4", 6")
- Ferrule (1", 1-1/4", 1-1/2", 2", 3", 4", 6")

#### Materials

- Carbon steel
- 304 stainless steel
- Aluminum (1", 1-1/4", 1-1/2", and 2" sleeves)

