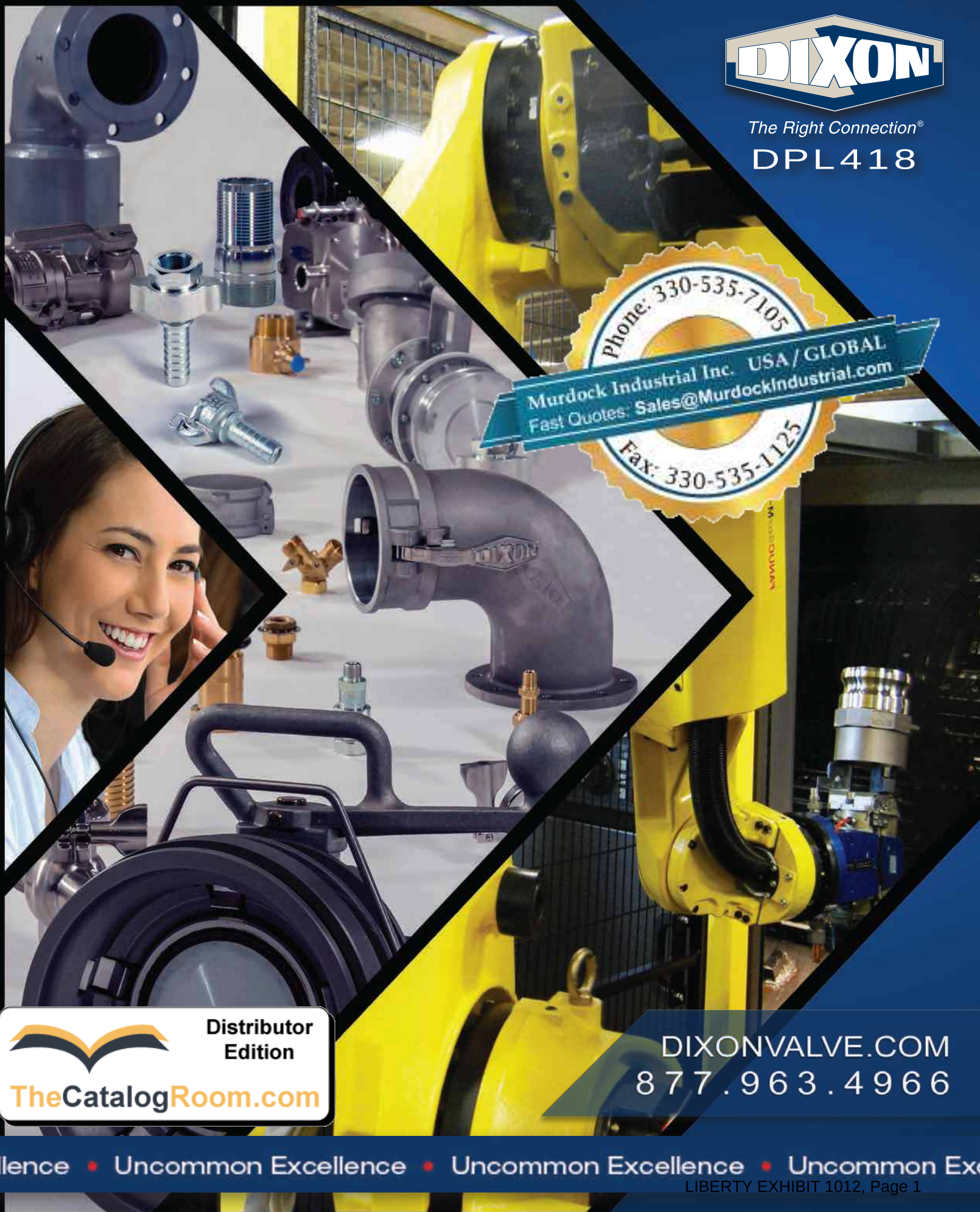




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The Right Connection®

DPL418



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⚠ WARNING

Before purchasing Dixon® products, you should be aware and make your customers aware of certain warnings. Such warnings are found on page 916 and the inside back cover of the catalog.

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Bayloc™ Dry Disconnects

Coupler x Female NPT

Features:

- automatic closing poppet assembly
- must be used with a DBA style adapter for coupler to operate, sold separately
- fully interchangeable with Kamvalok (OPW trademark) fittings
- maximum operating pressure at 70°F (21°C):
 - 1½" - 210 PSI
 - 2" - 150 PSI
 - 3" - 120 PSI
- aluminum fittings have stainless internals equivalent to 304 stainless



- stainless handle allows exposure to corrosive chemicals or wash down service
- heavy duty handle attachment prevents bending of crank assembly
- one piece stainless crank and link provide long service life
- EZ Boss-Lock™ cam arms, standard on all 1½" and 2" fittings, provide high security from accidental opening due to vibration or snagging
- large paddle type locking cam arms, standard on 3" fittings, allow for an easy grip
- optional coupler lock for handle to prevent unintentional opening



coupler x 1½" or 2" female NPT



coupler x 3" female NPT

Female NPT	Coupler Size	Seal Material	Maximum PSI at 70°F (21°C)	Aluminum Part #	Stainless Steel ¹ Part #
1½"	2"	Buna	210	DBC61-150	DBC71-150
2"	2½"		150	DBC61-200	DBC71-200
3"	4"		120	DBC61-300	DBC71-300
1½"	2"	FKM	210	DBC62-150	DBC72-150
2"	2½"		150	DBC62-200	DBC72-200
3"	4"		120	DBC62-300	DBC72-300
1½"	2"	PTFE Encapsulated Silicone & FFPM	210	DBC63-150	DBC73-150
2"	2½"		150	DBC63-200	DBC73-200
3"	4"		120	DBC63-300	DBC73-300
1½"	2"	EPDM	210	DBC64-150	DBC74-150
2"	2½"		150	DBC64-200	DBC74-200
3"	4"		120	DBC64-300	DBC74-300
1½"	2"	FFPM and PTFE ²	210	---	DBC76-150
2"	2½"		150	DBC66-200	DBC76-200
3"	4"		120	DBC66-300	DBC76-300
1½"	2"	PTFE Encapsulated FKM & FFKM	210	---	DBC77-150
2"	2½"		150	---	DBC77-200
3"	4"		120	---	DBC77-300
3"	4"	FKM-B	120	DBC69-300	DBC79-300

Greaseless Coupler x Female NPT



Female NPT	Coupler Size	Seal Material	Stainless Steel ¹ Part #
1½"	2"	PTFE Encapsulated FKM & FFKM	DBC77-150-GL
2"	2½"		DBC77-200-GL

¹ stainless steel corrosion resistance is equivalent to 304 stainless steel

² FFPM gasket, main seal O-ring and handle O-ring, PTFE seals on cylinder assembly, stuffing box, and seal under poppet screw

Coupler x 90° Swivel Female NPT



Female NPT	Coupler Size	Seal Material	Aluminum Part #
2"	2½"	Buna FKM	DBS61-200
2"	2½"		DBS62-200
2"	2½"	PTFE Encapsulated Silicone & FFPM	DBS63-200

Coupler Locking Kits



Description	Aluminum Part #
for use with 1½" and 2" dry disconnect couplers	DBCL-200
for use with 3" dry disconnect couplers	DBCL-300

Note: Reference page 179 for dust plugs for couplers.

Bayloc™ Dry Disconnects

Adapter x Female NPT

Applications:

- compatible with most cam and groove style dry disconnects
- helps prevent spillage from normal or accidental disconnects
- for use in transfer of hazardous fluids

Features:

- two-piece adapter design for easy rebuilding of adapters
- fully interchangeable with Kamvalok (OPW trademark) style fittings
- for pressure ratings at other temperatures, contact Dixon®
- contact Dixon® at 800.355.1991 for chemical compatibility, size, material selection and special configurations
- spring loaded sealing device snaps closed should valve become disconnected with the poppet open

Female NPT	Adapter Size	Seal Material	Maximum PSI at 70°F (21°C)	Aluminum Part #	Stainless Steel Part #
1½"	2"	Buna	210	DBA11-150	DBA71-150
2"	2½"		150	DBA11-200	DBA71-200
3"	4"		120	DBA11-300	DBA71-300
1½"	2"	FKM	210	DBA12-150	DBA72-150
2"	2½"		150	DBA12-200	DBA72-200
3"	4"		120	DBA12-300	DBA72-300
1½"	2"	PTFE Encapsulated Silicone	210	DBA63-150	DBA73-150
2"	2½"		150	DBA63-200	DBA73-200
3"	4"		120	DBA63-300	DBA73-300
1½"	2"	EPDM	210	DBA64-150	DBA74-150
2"	2½"		150	DBA64-200	DBA74-200
3"	4"		120	DBA64-300	DBA74-300
1½"	2"	FFPM	210	DBA66-150	DBA76-150
2"	2½"		150	DBA66-200	DBA76-200
3"	4"		120	DBA66-300	DBA76-300
1½"	2"	PTFE Encapsulated FKM	210	---	DBA77-150
2"	2½"		150	---	DBA77-200
3"	4"		120	---	DBA77-300
3"	4"	FKM-B	120	DBA69-300	---



adapter x 1½" and 2" female NPT



adapter x 3" female NPT

Jump Size Adapter x Female NPT

Female NPT	Adapter Size	Seal Material	Maximum PSI at 70°F (21°C)	Aluminum Part #
2"	2"	Buna	150	DBA11-1520
2"	2"	FKM	150	DBA12-1520



Adapter x 150# ASA Flange

Flange Size	Adapter Size	Seal Material	Maximum PSI at 70°F (21°C)	Stainless Steel Part #
2"	2"	FKM	150	DBAF72-1520
		PTFE Encapsulated Silicone		DBAF73-1520
		EPDM		DBAF74-1520
		FFPM		DBAF76-1520
2"	2½"	FKM	150	DBAF72-200
		PTFE Encapsulated Silicone		DBAF73-200
		EPDM		DBAF74-200
		FFPM		DBAF76-200
3"	4"	FKM	150	DBAF72-300
		PTFE Encapsulated Silicone		DBAF73-300
		EPDM		DBAF74-300
		FFPM		DBAF76-300



Note: Reference page 179 for dust caps for adapters

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.



Bayloc™ Dry Disconnect Vapor Adapter x Female NPSM



Female NPSM	Adapter Size	Seal	Max PSI at 70°F (21°C)	Stainless Steel ¹ Part #
1½"	2"	PTFE	150	DBAV73-2030

¹ stainless steel corrosion resistance is equivalent to 304 stainless steel

Note: Reference page 179 for dust caps for adapters

Cam & Groove Actuator Style Couplers

Applications:

- suited for vapor recovery, suction pump line and other applications where it is necessary to easily drain the hose or pipe for cleaning
- can also be used when product retention in a hose or pipe is desired and damage from accidental spill from an open coupler is not a concern
- couplers work with the DBA poppeted adapters on page 7 in applications where automatic closure for the coupler is not desired

Materials:

- 316 stainless steel body
- 304 stainless steel internal components
- replacement parts are available, contact Dixon® for more information

Features:

- EZ Boss-Lock™ cam arms
- stainless steel locking lever standard
- use with standard cam and groove dust plugs sized one size larger than the dry disconnect size
- prevents spillage from normal and accidental disconnection of the connection



Female NPT	Coupler Size	Seal Material	Stainless Steel Part #
1½"	2"	Buna	D2C71-150
2"	2½"		D2C71-200
1½"	2"	FKM	D2C72-150
2"	2½"		D2C72-200
1½"	2"	PTFE Encapsulated Silicone	D2C73-150
2"	2½"		D2C73-200
1½"	2"	EPDM	D2C74-150
2"	2½"		D2C74-200
1½"	2"	PTFE Encapsulated FKM	D2C77-150
2"	2½"		D2C77-200
1½"	2"	FKM-B	D2C79-150
2"	2½"		D2C79-200

Bayonet Style Dry Disconnects

Application:

- for the spill-less transfer of petroleum products such as fuel oil, lube oil blending and tank truck delivery

Features:

- ensures a spill free connection, fluid cannot flow until couplings are connected together and valve is opened; coupling can then not be disconnected until the valve handle is closed
- swivels have a standard ZERK fittings
- maximum operating pressure: **85 PSI @ 70°F (21°C)**, for pressure ratings at other temperatures contact Dixon®
- replacement parts available, contact Dixon® for more information

90° Swivel Coupler x Female NPT

Size	Seal Material	Anodized Hard Coat Aluminum Part #
2"	Buna	BS61-200
2"	FKM	BS62-200
3"	Buna	BS61-300
3"	FKM	BS62-300

**Straight Coupler x Female NPT**

Size	Seal Material	Anodized Hard Coat Aluminum Part #
2"	Buna	BC61-200
2"	FKM	BC62-200

**Straight Swivel Coupler x Female NPT**

Size	Seal Material	Anodized Hard Coat Aluminum Part #
2"	Buna	BSS61-200
2"	FKM	BSS62-200
3"	Buna	BSS61-300
3"	FKM	BSS62-300

**Dust Plugs**

Size	Rubber with Stainless Steel Chain Part #
2"	BCP-200
3"	BCP-300

**Adapter x Female NPT**

Size	Seal Material	Stainless Steel Part #	Brass Part #	Aluminum Part #
2"	Buna	BA31-200	---	---
2"	FKM	BA32-200	---	---
3"	Buna	---	BA31-300	BA61-300
3"	FKM	---	BA32-300	BA62-300

**Dust Caps**

Size	Rubber with Stainless Steel Chain Part #
2"	BAC-200
3"	BAC-300



MannTek Dry Disconnect Couplings

Applications:

- used by producers of ink, adhesives, fatty acids, pharmaceuticals, liquid soaps, petroleum, chemicals, agricultural and a wide variety of common caustic and specialty acids
- designed for the quick and spill free connection and disconnection of hoses and pipelines

Features:

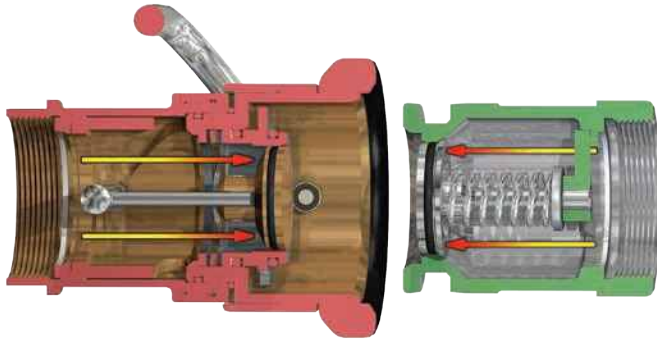
- easy to handle - push and turn - free flow, turn and pull - closed
- time saving - no need to drain hoses or pipe systems
- economical - no loss or spillage of liquids at connection or disconnection
- safety - the valve cannot be opened until the unit is coupled
- environmental friendly - accidental spillage eliminated when proper used
- safe and reliable - due to rugged construction
- product life - uncomplicated design and high quality materials ensures long product life
- selectivity - To avoid product contamination, selective versions of the couplers and adapters are available. Contact Dixon® for further information.
- produced according to NATO standard STANAG 3756 and ATOFINA SGM 2049.TUY.C.
- working pressure at ambient temperature **70°F (21°C)**:
 - aluminum: **230 PSI**, up to 4"
 - brass/ gunmetal ¹: **230 PSI**, up to 4"
 - stainless steel: **360 PSI**
- standard seal supplied: FKM
- optional seals:
 - EPDM
 - NBR - nitrile
 - Kalrez®
 - Chemraz®
- seal kits are available
- interchanges with Avery Hardoll and Todo-matic®

¹ produced to US government bronze specification G



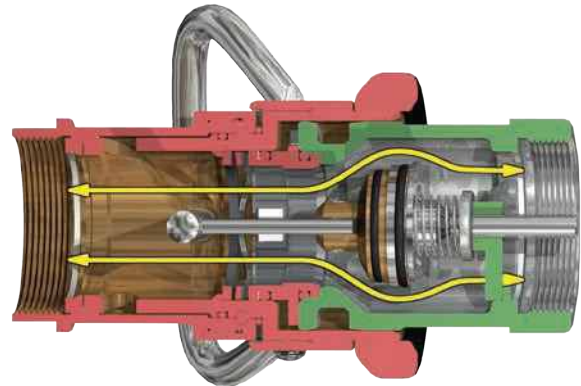
How it Works

The principle of operation is identical for all sizes of couplings.



Closed:

- Turn and pull
it's released - no spillage



Open:

- Push and turn
it's coupled - full flow

MannTek Dry Disconnect Couplers - Hose Unit

Features:

- coupler has built-in swivel
- stainless steel ball bearings
- stainless steel shaft journal embedded in PTFE to eliminate seizure
- riveted piston pin to minimize the risk for failure under extreme pressure conditions
- the protective ring is a specially formulated, weather resistant and electrically conductive rubber compound
- all wetted parts are stainless steel
- stainless steel couplers: rollers are Hastelloy C276 on the stainless steel shaft
- aluminum and brass couplers: rollers are aluminum-bronze on the stainless steel shaft
- composite (Polyeten PE-HD 300) plugs provide good protection against corrosion and withstand hot and cold environments

Coupler x Female NPT



Female NPT	Body Size	316 Stainless Steel Part #	Aluminum Part #	Brass / Gunmetal ¹ Part #
3/4"	56 mm	DDC075SS	DDC075AL	DDC075BR
1"	56 mm	DDC100SS	DDC100AL	DDC100BR
1 1/2"	70 mm	DDC150SS	DDC150AL	DDC150BR
2"	70 mm	DDC200SS	DDC200AL	DDC200BR
3"	105 mm	DDC300SS105	DDC300AL105	DDC300GM105
3"	119 mm	DDC300SS	DDC300AL	DDC300GM
4"	164 mm	DDC400SS	DDC400AL	DDC400GM
6"	238 mm	DDC600SS	DDC600AL	---

¹ produced to US government bronze specification G

Coupler x 150# ASA Flange

150# Flange	Body Size	316 Stainless Steel Part #
2"	70 mm	DDC200SSFL
3"	119 mm	DDC300SSFL
4"	164 mm	DDC400SSFL
6"	238 mm	DDC600SSFL
8"	272 mm	DDC800SSFL



- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Coupler x TTMA Flange

TTMA Flange	Body Size	Aluminum Part #
4"	164 mm	DDC400AL164TTMA

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.



Dust Plugs

Size	Body Size	Polyeten PE-HD 300 Part #
3/4" and 1"	56 mm	DDDP075
1 1/2" and 2"	70 mm	DDDP150
3"	105 mm	DDDP300105
3"	119 mm	DDDP300
4"	164 mm	DDDP400
6"	238 mm	DDDP600 ¹



¹ aluminum

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MannTek Dry Disconnect Adapters - Tank Unit

Application:

- usually installed on the tank or manifold

Features:

- conical valve seat reduces the risk for piston blow out
- PTFE bearing between piston shaft and guide eliminates risk of seizure
- aluminum adapter: aluminum poppet, stainless steel internal parts
- stainless steel adapter: stainless steel poppet, stainless steel internal parts
- brass / gunmetal ¹ adapter: brass poppet, brass and stainless steel internal parts
- composite (Polyeten PE-HD 300) cap to provide good protection in harsh environments
- FKM (FPM) gaskets standard on polyeten caps

Adapter x Female NPT

Female NPT	Body Size	316 Stainless Steel Part #	Aluminum Part #	Brass / Gunmetal ¹ Part #
¾"	56 mm	DDA075SS	DDA075AL	DDA075BR
1"	56 mm	DDA100SS	DDA100AL	DDA100BR
1½"	70 mm	DDA150SS	DDA150AL	DDA150BR
2"	70 mm	DDA200SS	DDA200AL	DDA200BR
3"	105 mm	DDA300SS105	DDA300AL105	DDA300GM105
3"	119 mm	DDA300SS	DDA300AL	DDA300GM
4"	164 mm	DDA400SS	DDA400AL	DDA400GM
6"	238 mm	DDA600SS	DDA600AL	---

**Adapter x 150# ASA Flange**

150# Flange	Body Size	316 Stainless Steel Part #	Aluminum Part #	Brass / Gunmetal ¹ Part #
¾"	56 mm	DDA075SSFL	---	---
1"	56 mm	DDA100SSFL	DDA100ALFL	DDA100BRFL
1½"	70 mm	DDA150SSFL	DDA150ALFL	DDA150BRFL
2"	70 mm	DDA200SSFL	DDA200ALFL	DDA200BRFL
3"	105 mm	DDA300SS105FL	DDA300AL105FL	DDA300GM105FL
3"	119 mm	DDA300SSFL	DDA300ALFL	DDA300GMFL
4"	164 mm	DDA400SSFL	DDA400ALFL	DDA400GMFL
6"	238 mm	DDA600SSFL	DDA600ALFL	---
8"	272 mm	DDA800SSFL	---	---



¹ produced to US government bronze specification G

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Adapter x TTMA Flange

TTMA Flange	Body Size	Aluminum Part #
3"	105 mm	DDA300AL105TTMA
3"	119 mm	DDA300AL119TTMA
4"	164 mm	DDA400AL164TTMA



- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Adapter Weather Protector with Clamp

Size	Black Neoprene Part #
2"	PCDVCHSS36

**Dust Caps**

Size	Body Size	Polyeten PE-HD 300 Part #
¾" and 1"	56 mm	DDDC075
1½" and 2"	70 mm	DDDC150
3"	105 mm	DDDC300105
3"	119 mm	DDDC300
4"	164 mm	DDDC400
6"	238 mm	DDDC600 ¹



¹ 6" dust cap is aluminum

Note: Reference page 14 for rubber dust caps.

LIBERTY EXHIBIT 1012, Page 14

MannTek Dry Disconnects for Steam Service

Applications:

- designed to fit hoses carrying steam used in chemical (heating), pharmaceutical (disinfection and sterilization) and at loading bays

Features:

- coupling housing and all inner parts: stainless steel
- EPDM 291 seal
- unintentional separation is eliminated preventing accidents and avoiding unintended down time
- performance unaffected by surface rust
- lockable versions are available on 1½" and 2", contact Dixon®
- couplers supplied with double handles
- **150 PSI at 350°F (177°C)**

Coupler x Female NPT

Female NPT	Body Size	316 Stainless Steel Part #
¾"	56 mm	DDSC075SS
1"	56 mm	DDSC100SS
1½"	70 mm	DDSC150SS
2"	70 mm	DDSC200SS

**Adapter x Female NPT**

Female NPT	Body Size	316 Stainless Steel Part #
¾"	56 mm	DDSA075SS
1"	56 mm	DDSA100SS
1½"	70 mm	DDSA150SS
2"	70 mm	DDSA200SS



MannTek Dry Gas Couplings

Applications:

- primary application is in the handling of LPG - Propane and Butane
- designed for loading and discharge of bobtails or intermediate bulk delivery trucks to and from rail cars

Features:

- reliable, easy to maintain
- can be coupled to a tank unit with pressures up to **225 PSI** at ambient temperature **70°F (21°C)**, if pressure is higher, equip couplings with pressure relief valves.
- minimizes the risk of cold burns, spillage, product loss and health risks and keeps the environment free of hazardous vapors and liquids
- compatible with existing dry disconnect couplings
- stainless steel and brass / gunmetal (*produced to US government bronze specification G*)
- FKM (FPM) seals
- working pressure: **360 PSI** at ambient temperature **70°F (21°C)**
- composite (Polyeten PE-HD 300) plug provides good protection in harsh environments
- for pressure relief options contact Dixon®

**Coupler x Female NPT**

Female NPT	Body Size	316 Stainless Steel Part #
1"	56 mm	DGC100SS
2"	71 mm	DGC200SS
3"	119 mm	DGC300SS

**Dust Plug for Couplers**

Size	Body Size	Polyeten PE-HD 300 Part #
1"	56 mm	DGDP100
2"	71 mm	DGDP200
3"	119 mm	DGDP300

**Adapter x Female NPT**

Female NPT	Body Size	316 Stainless Steel Part #
1"	56 mm	DGA100SS
2"	71 mm	DGA200SS
3"	119 mm	DGA300SS

**Adapter x Female ACME**

Female ACME	Body Size	316 Stainless Steel Part #
1 3/4"	56 mm	DGA100SS175
3 1/4"	71 mm	DGA200SS325

**Adapter-Tank Unit x 150# ASA Flange**

150# Flange	Body Size	316 Stainless Steel Part #
1"	56 mm	DGA100SSFL
2"	71 mm	DGA200SSFL
3"	119 mm	DGA300SSFL

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

**Dust Cap for Adapters**

Size	Body Size	Material	Part #
1"	56 mm	polyeten PE-HD300	DGDC100
2"	71 mm	rubber	DGDC200
3"	119 mm	rubber	DGDC300

MannTek Dry Aviation Couplers - Hose Unit

Application:

- designed for use in aviation refueling systems

Features:

- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- composite (Polyeten PE-HD 300) plug provides good protection in harsh environments
- accepts international standard 2½" point bayonet, hose end refueling nozzles according to: ISO45 / MS24484 / STANAG 3105 / British Aerospace Spec. 2C14, **they are not configured for under-wing refueling** ⚠
- gunmetal coupling ring minimizes the risk of seizure
- riveted piston pin minimizes risk of failure under extreme pressure conditions
- protective ring is a specially formulated, weather resistant and electrically conductive rubber compound

Materials:

- body: high strength aluminum
- coupling ring: gunmetal (*produced to U.S. government bronze specification G*)
- bayonet flange and inner parts: stainless steel, aluminum
- all wetted parts are aluminum and stainless steel
- stainless steel ball bearings
- stainless steel shaft journal embedded in PTFE eliminates seizure
- PTFE bearings between the driving plate and piston guide eliminate the risk of seizure

Coupler x Female NPT

Female NPT	Body Size	Aluminum Part #
2½"	ISO 45	DAC250AL
3"	ISO 45	DAC300AL

Coupler x Female BSP

Female BSP	Body Size	Aluminum Part #
2½"	ISO 45	DAC250ALBSP
3"	ISO 45	DAC300ALBSP

**Dust Plug for Couplers**

Size	Body Size	Polyeten PE-HD300 Part #
2½"	ISO 45	DADP250



MannTek Dry Aviation Adapters - Tank Unit

Application:

- designed for use in aviation refueling systems

Materials:

- body: high strength aluminum
- coupling ring: gunmetal
- bayonet flange and inner parts: stainless steel, aluminum
- all wetted parts are in aluminum and stainless steel

Features:

- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- composite (Polyeten PE-HD 300) cap provides good protection in harsh environments
- accepts international standard 2½" point bayonet hose end refueling nozzles according to: ISO45 / MS24484 / STANAG 3105 / British Aerospace Spec. 2C14, **not configured for under-wing refueling** 
- gunmetal coupling ring minimizes the risk of seizure
- PTFE bearings between the piston shaft and the piston guide eliminate the risk of seizure
- conical valve seat eliminates the risk of piston blow out when extreme pressure is used

**Adapter x Female NPT**

Size	Body Size	Aluminum Part #
2½"	ISO 45	DAA250AL
3"	ISO 45	DAA300AL

Adapter x 150# ASA Flange

150# Flange	Body Size	Aluminum Part #
2½"	ISO 45	DAA250ALFL
3"	ISO 45	DAA300ALFL

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Dust Cap for Adapters

Size	Body Size	Polyeten PE-HD 300 Part #
2½"	ISO 45	DADC250

MannTek Safety Break-away Couplings - Marine Version

Application:

- typically for ship-to-offshore platform and ship-to-ship product transfer operations

Features:

- designed to be installed within a hose string where the coupling will have a length of hose attached to both sides
- minimizes spillage and damage associated with pull-away incidents
- coupling automatically senses excessive load, closes the valves and disconnects, release is executed when force causes bolts to break
- working pressure: **360 PSI** at ambient temperature **70°F (21°C)**
- FKM (FPM) O-rings, additional seal materials are available
- optional non-closure design available, contact Dixon®

**Female NPT x Female NPT**

Size	DN Size	316 Stainless Steel Part #
2"	50	MSBC200SS
3"	80	MSBC300SS
4"	100	MSBC400SS
5"	125	MSBC500SS
6"	150	MSBC600SS NEW

**Male NPT x Male NPT**

Size	DN Size	316 Stainless Steel Part #
2"	50	MSBC200SSMNPT
3"	80	MSBC300SSMNPT
4"	100	MSBC400SSMNPT
5"	125	MSBC500SSMNPT
6"	150	MSBC600SSMNPT

**150# Flange x 150 Flange**

Size	DN Size	316 Stainless Steel Part #
2"	50	MSBC200SSFL
3"	80	MSBC300SSFL
4"	100	MSBC400SSFL
5"	125	MSBC500SSFL
6"	150	MSBC600SSFL
8"	200	MSBC800SSFL



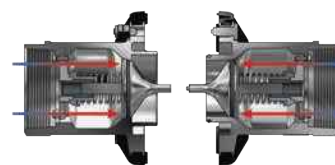
- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

How it Works

Safety break-away couplings have three external break bolts. In the case of axial tension all of the bolts take up the force corresponding to the break force on the hose with a safety margin. Non-axial forces concentrate the tension forces more strongly on one bolt, so that the safety break-away coupling reacts in a natural way to the reduction of the hose break forces.

**BEFORE emergency disconnect**

The safety break-away valve consists of two halves, each with a valve that has a O-ring seal.

**AFTER emergency disconnect**

When the safety break-away couplings separate, it allows the valves to close. The two valves close rapidly, minimizing exposure to personnel and the environment.

MannTek Safety Break-away Couplings - Industrial Version

Application:

- loading rack, bulk loading / unloading, road tankers and rail tankers

**Features:**

- designed to be installed between a fixed point (pipe, pump, manifold) and a hose
- minimizes spillage and damage associated with pull-away incidents
- coupling automatically senses excessive load, closes valves and disconnects, release is executed when force causes bolts to break
- high flow rate / low pressure drop
- working pressure: stainless steel **360 PSI** and aluminum **230 PSI** at ambient temperature **70°F (21°C)**
- FKM (FPM) seal standard, additional seal materials are available
- optional non-closure design available, contact Dixon®

Female NPT x Female NPT

Size	DN Size	316 Stainless Steel Part #	Aluminum Part #
1"	25	SBC100SS	SBC100AL
2"	50	SBC200SS	SBC200AL
3"	80	SBC300SS	SBC300AL
4"	100	SBC400SS	SBC400AL
5"	125	SBC500SS	SBC500AL
6"	150	SBC600SS	SBC600AL

Male NPT x Male NPT

Size	DN Size	316 Stainless Steel Part #	Aluminum Part #
2"	50	SBC200SSMNPT	SBC200ALMNPT
3"	80	SBC300SSMNPT	SBC300ALMNPT
4"	100	SBC400SSMNPT	SBC400ALMNPT
5"	125	SBC500SSMNPT	SBC500ALMNPT
6"	150	SBC600SSMNPT	SBC600ALMNPT

150# Flange x 150# Flange

Size	DN Size	316 Stainless Steel Part #	Aluminum Part #
1"	25	SBC100SSFL	---
2"	50	SBC200SSFL	SBC200ALFL
3"	80	SBC300SSFL	SBC300ALFL
4"	100	SBC400SSFL	SBC400ALFL
5"	125	SBC500SSFL	SBC500ALFL
6"	150	SBC600SSFL	SBC600ALFL
8"	200	SBC800SSFL	---

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

TTMA Flanged Breakaway Coupling**Features:**

- minimizes spillage and damage associated with drive away and pull away incidents
- installs between an API coupler and loading arm
- coupling automatically senses excessive load, closes the valves and disconnects, release is executed when force causes the bolts to break
- high flow rate / low pressure drop
- 150 PSI** at ambient temperature **70°F (21°C)**
- FKM/FPM is standard seal



Size	Aluminum Part #
4"	SBC400ALTMA

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

FloMAX Diesel Fueling System

Application:

- designed for on-site refueling of construction, mining, forestry and agricultural equipment

Diesel Fuel Nozzles**Features:**

- 1½" female NPT
- tested to 180 gallons per minute
- integrated high flow swivel and sealing plug
- plug/bumper assembly gives complete nose seal
- investment cast aluminum housing
- anodized aluminum non-wear parts
- stainless steel wear components
- Delron® bushings eliminate metal-to-metal wear
- interchanges with Caterpillar® and Wiggins systems

Description	Part #
dog latch mechanism with sealing plug	FN600
ball lock with sealing plug	FN600BL
sealing plug for FN600	FN600B-PLUG
sealing plug for FN600BL	FN600B

**One-Piece Diesel Fuel Receivers****Features:**

- 2" male NPT
- O-ring sealed aluminum cap
- cap has set screw attached vinyl coated cable lanyard

Description	Material	Part #
one-piece receiver without cap	<i>nickel-plated steel</i>	FRS
one-piece receiver with cap	<i>nickel-plated steel</i>	FRS-C
one-piece receiver without cap	<i>anodized aluminum</i>	FRA
one-piece receiver with cap	<i>anodized aluminum</i>	FRA-C
cap for receiver	<i>anodized aluminum</i>	FR-CAP

**Two-Piece Diesel Fuel Receivers****Features:**

- 2" male NPT
- O-ring sealed aluminum cap
- cap has set screw attached vinyl coated cable lanyard

Description	Part #
two-piece receiver with removable stainless sleeve, without cap	FR-RS
two-piece receiver with removable stainless sleeve with cap	FR-RS-C
removable sleeve replacement for two-piece receiver	FR-RS-R
cap for receiver	FR-CAP



FloMAX Diesel Fueling System

Non-Interchange Diesel Fuel Nozzle

Application:

- used in biodiesel fueling

Features:

- 1½" female NPT
- design prevents fuel contamination
- connects to the non-interchange receiver only
- ball lock design



Description	Part #
ball lock fuel nozzle	FN600BL-NI

Non-Interchange Diesel Fuel Receiver

Application:

- used in biodiesel fueling

Features:

- design prevents fuel contamination
- connects to the non-interchange nozzle only
- ball lock design



Description	Anodized Aluminum Part #
one-piece receiver with cap	FRA-NI-C

2" High Volume Diesel Fueling System

Features:

- capable of flowing over 400 GPM
- 2" female NPT
- stainless steel ball lock design
- removable pull back assembly

Materials:

- housing: aluminum
- non-wear parts: anodized aluminum
- internal wear components: stainless steel
- bushings: Delron®

Diesel Fuel Nozzles



Description	Part #
2" fuel nozzle	FX1500¹
2" fuel nozzle - with plug	FX1500P¹
2" fuel nozzle - with swivel	FX1500S¹
2" fuel nozzle - with swivel, with plug	FX1500SP¹
2" sealing plug for nozzle	FX1500PLUG

¹ must be used with high flow fuel vents found on page 21

Diesel Fuel Receivers



Description	Part #
2" diesel fuel receiver	FRX
2" fuel receiver with cap	FRX-C
2" cap for receiver	FRXCAP

Diesel Fuel Gravity Fill Receivers

Feature:

- used with the FN600 or FN600BL to convert to gravity fueling

Size	Description	Part #
1 3/8"	straight	GFR-0
1 3/8"	45°	GFR-45
1 3/8"	90°	GFR-90
1"	straight	GFR1-0
1"	45°	GFR1-45
1"	90°	GFR1-90



Engineered Fluid
Transfer Couplings

Fuel Vents

Features:

- 2" male NPT
- billet cap provides superior impact resistance
- easily serviced all metal construction
- rigid ball cage for positive seal
- available with: threaded outlet, half coupling and anti-vandalism mounting

Description	Part #
vent with 5" tube	VT
vent with 7" tube	VT7
vent with 9" tube	VT9
vent with 5" tube and threaded outlet	VTT



A

High Flow Fuel Vents

Feature:

- 7" tubes are available, contact Dixon® for more information

Description	Part #
high flow fuel vent with 5" tube	VTX
high flow fuel vent with 9" tube	VTX-9



Diesel Fuel Swivels

Features:

- stainless steel male threaded base and ball bearings
- hard black anodized female threaded nut
- fluorosilicone sealing O-rings

Thread Size	Description	Part #
1 1/2" male NPT x 1 1/2" female NPT	standard	FNS
2" male NPT x 1 1/2" female NPT	standard	FNS2
1 1/2" female NPT x 1 1/2" female NPT	double	FNSID
1 1/2" male NPS x 1 1/2" female NPT	standard	FN600S¹

¹ used with FN600 or FN600BL



Service Box

Features:

- Designed to enclose receivers for diesel fuel, hydraulic oil, transmission fluid and coolant reducing contamination and weather related problems.
- normally installed on heavy duty earth mover equipment and drill rigs
- 12 gauge steel construction with heavy duty hinges
- painted with Imron® Primer

Part #
FSB



receivers sold separately
LIBERTY EXHIBIT 1012, Page 23

Standard Series Connectors

Features:

- standard series connectors consist of four color-coded mating connectors
- all-metal construction with stainless steel wear components and anodized aircraft grade aluminum non-wear components
- easily recognizable labeling
- fully compatible and interchangeable with industry standards

Engine Oil Nozzles

Features:

- **bright red**
- universally fits both R-series and Standard series crankcase receivers
- incorporates 10 locking balls with a 40% deeper engagement
- resistant to clogging with a greater ease of cleaning
- smooth actuation
- larger diameter pullback lanyard



Male Thread	Description	Anodized Aluminum Part #
3/4" NPT	engine nozzle ball lock	ENBL
3/4" NPT	engine nozzle ball lock with plug	ENBL-P
---	engine nozzle plug	ENBL-PLUG

Engine Oil Receivers



Male Thread	Description	Anodized Aluminum Part #
3/4" NPT	engine receiver	ERS
3/4" NPT	engine receiver with cap	ERS-C
---	engine receiver cap	ERS-CAP
3/4" JIC	engine receiver with JIC bulkhead base	ERJ
3/4" JIC	engine receiver with JIC bulkhead base and cap	ERJ-C

Coolant Fluid Nozzles

Features:

- **bright teal**
- standard roll-pin locking mechanism
- ergonomically engineered pullbacks and caps



Male Thread	Description	Anodized Aluminum Part #
1/2" NPT	coolant nozzle ball lock	CN
1/2" NPT	coolant nozzle ball lock with plug	CN-P
---	coolant nozzle plug	CN-PLUG

Coolant Fluid Receivers



Male Thread	Description	Anodized Aluminum Part #
1/2" NPT	coolant receiver	CR-S
1/2" NPT	coolant receiver with cap	CR-C
---	coolant receiver cap	CR-CAP

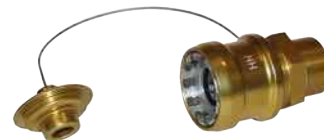
Standard Series Connectors

Hydraulic Oil Nozzles

Features:

- **bright gold**
- 10 steel dog latching mechanism
- ergonomically engineered pullbacks and caps

Female Thread	Description	Anodized Aluminum Part #
3/4" NPT	hydraulic nozzle	HN
3/4" NPT	hydraulic nozzle with plug	HN-P
---	hydraulic nozzle plug	HN-PLUG



Hydraulic Oil Receivers

Male Thread	Description	Anodized Aluminum Part #
3/4" NPT	hydraulic receiver	HR
3/4" NPT	hydraulic receiver with cap	HR-C
---	hydraulic receiver cap	HR-CAP



Transmission Fluid Nozzles

Features:

- **bright violet**
- 6 steel dog latching mechanism
- ergonomically engineered pullbacks and caps

Male Thread	Description	Anodized Aluminum Part #
1/2" NPT	transmission nozzle	TN
1/2" NPT	transmission nozzle with plug	TN-P
---	transmission nozzle plug	TN-PLUG



Transmission Fluid Receivers

Female Thread	Description	Anodized Aluminum Part #
3/8" NPT	transmission receiver	TR
3/8" NPT	transmission receiver with cap	TR-C
---	transmission receiver cap	TR-CAP



R Series Connectors

Features:

- fully compatible and interchangeable with industry standards
- all-metal construction using anodized aircraft grade aluminum non-wear components
- standard roll-pin locking mechanism
- ergonomically engineered pullbacks and caps

Engine Oil Nozzles

Feature:

- bright red



Female Thread	Description	Anodized Aluminum Part #
3/4" NPT	R-series engine nozzle	R-EN
3/4" NPT	R-series engine nozzle with plug	R-EN-P
---	R-series engine nozzle plug	R-EN-PLUG

Engine Oil Receivers



Male Thread	Female Thread	Description	Anodized Aluminum Part #
1.625-12 UN-2A	1.312-12 UN-2B	R-series engine receiver	R-ER
1.625-12 UN-2A	1.312-12 UN-2B	R-series engine receiver with cap	R-ER-C
---	---	R-series engine receiver cap	R-ER-CAP

Coolant Fluid Nozzles

Feature:

- bright teal



Female Thread	Description	Anodized Aluminum Part #
1/2" NPT	R-series coolant nozzle	R-CN
1/2" NPT	R-series coolant nozzle with plug	R-CN-P
---	R-series coolant nozzle plug	R-CN-PLUG

Coolant Fluid Receivers



Male Thread	Female Thread	Description	Anodized Aluminum Part #
1.187-12 UN-2A	.875-14 UN-2B	R-series coolant receiver	R-CR
1.187-12 UN-2A	.875-14 UN-2B	R-series coolant receiver with cap	R-CR-C
---	---	R-series coolant receiver cap	R-CR-CAP

R Series Connectors

Hydraulic Oil Nozzles

Feature:

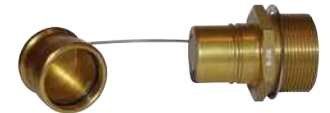
- bright gold

Female Thread	Description	Anodized Aluminum Part #
1" NPT	R-series hydraulic nozzle	R-HN
1" NPT	R-series hydraulic nozzle with plug	R-HN-P
---	R-series hydraulic nozzle plug	R-HN-PLUG



Hydraulic Oil Receivers

Male Thread	Female Thread	Description	Anodized Aluminum Part #
1.875-12 UN-2A	1.625-12 UN-2B	R-series hydraulic receiver	R-HR
1.875-12 UN-2A	1.625-12 UN-2B	R-series hydraulic receiver with cap	R-HR-C
---	---	R-series hydraulic receiver cap	R-HR-CAP



Transmission Fluid Nozzles

Feature:

- bright violet

Female Thread	Description	Anodized Aluminum Part #
3/4" NPT	R-series transmission nozzle	R-TN
3/4" NPT	R-series transmission nozzle with plug	R-TN-P
---	R-series transmission nozzle plug	R-TN-PLUG



Transmission Fluid Receivers

Male Thread	Female Thread	Description	Anodized Aluminum Part #
1.312-12 UN-2A	1.062-12 UN-2B	R-series transmission receiver	R-TR
1.312-12 UN-2A	1.062-12 UN-2B	R-series transmission receiver, cap	R-TR-C
---	---	R-series transmission receiver cap	R-TR-CAP



High Flow 3/4" Series Connectors

Features:

- 6 nozzle and receiver sets color coded for quick identification of mating parts; each color nozzle and receiver only couples with matching color component providing complete protection against cross contamination
- maximum flow rate: 50 GPM at 40 PSI
- working pressure rating: **200 PSI**

Nozzles

Male Thread	Description	Anodized Aluminum Part #
3/4" NPT	red nozzle with plug	ENBL-P
	gold nozzle with plug	ENBL-P2
	teal nozzle with plug	ENBL-P3
	violet nozzle with plug	ENBL-P4
	navy nozzle with plug	ENBL-P5
	copper nozzle with plug	ENBL-P6

Receivers

Male Thread	Description	Anodized Aluminum Part #
3/4" NPT	red receiver with cap	ERS-C
	gold receiver with cap	ERS-C2
	teal receiver with cap	ERS-C3
	violet receiver with cap	ERS-C4
	navy receiver with cap	ERS-C5
	copper receiver with cap	ERS-C6

- ERS series is available with JIC bulkhead base, substitute 'J' for 'S', example: ERJ-C2

High Flow 1" Series Connectors

Features:

- 7 color coded nozzle and receiver sets for quick identification of mating parts; nozzle and receiver only couple with matching color component providing complete protection against cross contamination
- nozzle/receiver combination has a flow area equivalent to a 1" schedule 80 pipe
- working pressure: **500 PSI** with burst pressure: **1500 PSI**
- all wear parts are stainless steel; all non-wear parts are colored anodized aircraft grade aluminum
- standard nozzle mounting: 1" female NPT; receiver: 1" male NPT
- nozzle incorporates a ball lock mechanism ensuring smooth and reliable operation
- length: nozzle 3.90" (99 mm), receiver 3.44" (87 mm)
- nozzle and receiver coupled length: 5.44" (138 mm)
- diameter: 2.50" (64 mm)
- hex size: 2" (51 mm)

Nozzles

Female NPT	Description	Anodized Aluminum Part #
1"	red nozzle with plug	HFN-P1
	gold nozzle with plug	HFN-P2
	teal nozzle with plug	HFN-P3
	violet nozzle with plug	HFN-P4
	navy nozzle with plug	HFN-P5
	copper nozzle with plug	HFN-P6
	blue/gray nozzle with plug	HFN-P7

Receivers

Male NPT	Description	Anodized Aluminum Part #
1"	red receiver with cap	HFR-C1
	gold receiver with cap	HFR-C2
	teal receiver with cap	HFR-C3
	violet receiver with cap	HFR-C4
	navy receiver with cap	HFR-C5
	copper receiver with cap	HFR-C6
	blue/gray receiver with cap	HFR-C7

FloMAX Part Number Cross Reference

Standard Series Connectors

Dixon® Part #	Caterpillar® Part #	Wiggins Part #
Engine Oil Nozzles		
ENBL	9S9273	OS2
ENBL-P	---	OSP2
ENBL-PLUG	9S9274	OP-12
ERJ	---	ON6
Engine Oil Receivers		
ERS	9S9271	ON2
ERS-C	---	ONC2A
ERS-CAP	9S9272	O3B12P
Coolant Fluid Nozzles		
CN	108-5455	EC280B8
CN-P	---	---
CN-PLUG	108-5456	1209-8
Coolant Fluid Receivers		
CR-S	IQ5459	EC285A8
CR-C	---	---
CR-CAP	5P3587	1208-8
Hydraulic Oil Nozzles		
HN	108-5433	6000B12
HN-P	---	---
HN-PLUG	---	6009-12
Hydraulic Oil Receivers		
HR	108-5454	6005A12
HR-C	---	---
HR-CAP	IQ-5468	6008-12
Transmission Fluid Nozzles		
TN	126-7538	C-1807
TN-P	---	---
TN-PLUG	---	P-1844
Transmission Fluid Receivers		
TR	108-5456	P-1804
TR-C	---	---
TR-CAP	SP3587	P-1880

Fuel Vent Series

Dixon® Part #	Caterpillar® Part #	Wiggins Part #
VT	6G7803	ZV10
VT7	---	ZV10F
VT9	---	ZV10
VTT	5V6106	ZV10C
VT-C		ZV10A
VT-A-7	9G01965	ZV11
VT-A-9	4T1314	ZV11A

R Series Connectors

Dixon® Part #	Caterpillar® Part #	Wiggins Part #
Engine Oil Nozzles		
R-EN	---	R15
R-EN-P	---	---
R-EN-PLUG	---	R1507
Engine Oil Receivers		
R-ER	---	R16
R-ER-C	---	---
R-ER-CAP	---	R1605
Coolant Fluid Nozzles		
R-CN	---	R11
R-CN-P	---	---
R-CN-PLUG	---	R1107
Coolant Fluid Receivers		
R-CR	---	R12
R-CR-C	---	---
R-CR-CAP	---	R1205
Hydraulic Oil Nozzles		
R-HN	---	R17
R-HN-P	---	---
R-HN-PLUG	---	R1707
Hydraulic Oil Receivers		
R-HR	---	R18
R-HR-C	---	---
R-HR-CAP	---	R1805
Transmission Fluid Nozzles		
R-TN	---	R13
R-TN-P	---	---
R-TN-PLUG	---	R1307
Transmission Fluid Receivers		
R-TR	---	R14
R-TR-C	---	---
R-TR-CAP	---	R1405

Diesel Fueling System

Dixon® Part #	Caterpillar® Part #	Wiggins Part #
Nozzles		
FN600	---	ZZF150
FN600BL	---	ZZ9A1
FN600B-PLUG	---	---
Receivers		
FRS	2G9000	ZN2A
FRS-C	---	ZNC2A
FRA	---	ZN2A
FRA-C		ZNC2A
FR-CAP	0D0630	ZC20P
FR2	9D0630	---
FR2-C	---	---
FR2-R	---	---
GFR-0	---	ZN6A
GFR-45	---	---
GFR-90	---	ZN6B
GFR1-0	---	ZN6B
GFR1-45	---	---
GFR1-90	---	ZN6B
FNS	---	ZS9
FNS2	---	---
FN600S	---	---
BFN		ZS5
BH-F		
FNS10	---	---
FR-SOCKET		
BH-W		



API Couplers

Features:

- completely modular coupler can be built with various face seal combinations to be compatible with different alternative fuel / performance levels and applications
- 4" TTMA inlet mounting flange
- 5 cam design for easy alignment and tight connection
- ball-end handle for easy, comfortable operation
- no special tools needed for maintenance
- shaft seals can be changed without removing coupler from loading arm
- link, shaft, pin and crank: hardened 17-4PH stainless steel
- cam: stainless steel
- weight: 20 lbs.
- 5300, 5300B, 5300BC, 5300BCL: maximum working pressure **150 PSI**
- 5300G: maximum working pressure **100 PSI**
- 5400: maximum working pressure **75 PSI**
- peak surge pressure: **350 PSI**
- maximum flow rate: 600 GPM, (2271 LPM)
- pressure drop: **3 to 4 PSI**
- seal color code: FKM - brown dot; FKM B - yellow dot, FKM GFLT - green dot
- replacement parts are available, contact Dixon®



API Couplers with Bonded Nose Seal

Seal Material	Operating Temperature	Part #
<i>Buna</i>	-20°F to 250°F (-29°C to 121°C)	5300
<i>FKM-B</i>	-10°F to 400°F (-23°C to 204°C)	5300B
<i>FKM-GFLT</i>	-20°F to 400°F (-29°C to 204°C)	5300G
<i>FKM-B with stainless wave spring</i>	-10°F to 400°F (-23°C to 204°C)	5300BC ¹
<i>FKM-B with stainless wave spring</i>	-10°F to 400°F (-23°C to 204°C)	5300BCL

¹ stainless steel internal springs and is recommended for crude oil service

API Couplers with Replaceable Nose Seal

Seal Material	Operating Temperature	Part #
<i>Buna</i>	-20°F to 250°F (-29°C to 121°C)	5400
<i>FKM-B</i>	-10°F to 400°F (-23°C to 204°C)	5400B
<i>FKM-GFLT</i>	-20°F to 400°F (-29°C to 204°C)	5400G



API Coupler Locking Handle Repair Kit

Description	Part #
locking handle kit for 5300BC rack couplers	5354K21

API Load Only Valves

Application:

- used for bottom loading and unloading of petroleum tankers, typically mounted to the piping below each tank compartment using the built-in 4" TTMA flange connection

Features:

- unique fluid flow sight level
- ergonomically curved handle operates on a short 62° degree stroke
- Nose ring is anodized hard coat aluminum, which in most applications will provide years of trouble free service. Nose ring can be rotated to provide a fresh connection surface.



Description	Part #
load only API valve without sight glass, ALH nose ring	5204LNG
load only API valve without sight glass, Baylast™ seal, stainless steel springs	5204LSNG
load only API valve without sight glass, Baylast™ seal, stainless steel springs with ½" FNPT drain port	5204LSNGP



API Load/Unload Valves

Description	Part #
load/unload API valve with sight glass, fixed handle, ALH nose	5204
load/unload API valve, without sight glass, fixed handle, Baylast™ seal	5204NG

API Drop Adapters

Application:

- for offloading through an API adapter

Adapter Size	Coupler Size	Description	Aluminum Part #
3"	4" API	with Baylast™ O-ring seal	4530
4"	4" API	with Baylast™ O-ring seal	4540
4"	4" API	with Buna-N O-ring seal	4540F



API Drop Adapters with Sight Glass

Adapter Size	Coupler Size	Description	Aluminum Part #
3"	4" API	with inline sight glass and Baylast™ flat gasket	4530SG
4"	4" API	with inline sight glass and Baylast™ flat gasket	4540SG



API Gravity Drop Adapters

Adapter Size	Coupler Size	Description	Aluminum Part #
3"	4" API	with flat Buna gasket	31440-225AL
4"	4" API	with flat Buna gasket	41440-225AL



API Drop Adapter Repair Kits

Description	Part #
replacement cam arms, pins and Baylast™ O-ring seal (standard)	4500RK
replacement cam arms, pins and FKM O-ring seal (optional)	4500RK-V
replacement 18" chain and S hook	5205-RK4
sight glass repair kit (fits 3" and 4")	4540SG-RK1
flat replacement Baylast gasket for 4530SG, 4540SG	4540SG-RK2
replacement cam arms and pins (fits 3" and 4")	4540SG-RK3
Baylast O-ring replacement seal for 4530, 4540, 5000-24	4500-5
flat replacement gasket for 31440-225AL, 41440-225AL, 41450-DCAL	2143SEALBU



4540SG-RK1

API Dust Caps

Size	Description	Aluminum Part #	Optional Qty
4" API	with flat Buna gasket and brass cam arms	41450-DCAL	5
	with O-ring Baylast™ seal and brass cam arms	5000-24	10
	with locking arms	5000-24L	1



with cam arms

Adapter Size	Description	Nylon Part #	Optional Qty
4" API	with flat Buna seal and plated steel pad lockable roller lever	5000-25	20



with locking arms

Gravity Drop Adapter Dust Caps



4540DC



4540DC-1200

Features:

- designed to fit on any 4" cam and groove adapter, specifically 4" gravity drop adapters
- reduce weight
- easy Pull Off / Push On operation
- Buna gasket
- NOT intended to be pressurized 

Size	Black Nylon Part #
4"	4540DC
4"	4540DC-1200¹

¹ supplied with chain

Dixon Bayco Adapter with Grounding Tab



Size	Description	356T6 Aluminum Part #
4"	male adapter with grounding tab	400-E-ALGT

Dixon Bayco Coupler with Grounding Tab



Size	Description	356T6 Aluminum Part #
4"	female coupler with grounding tab	400-C-ALGT

API Compatible Loading Rack Cords

Features:

- highly visible safety orange jacket meets trip hazard requirements
- cord is bonded mechanically and resistant to abrasion and oil
- Cord sets are interchangeable with Scully and Civacon. All wiring is compatible with standard Scully color codes and wiring number configurations. The 9 pin conductor is shielded to be compatible with Scully VIP system.
- plug body is reinforced nylon and is color coded Optic Blue or Thermistor Green
- button contacts are 316 stainless steel to prevent corrosion or galling
- all other hardware is stainless steel

API Optic Cord Assemblies

Description	Part #
plug with 30' coiled cable, 6 contact pins, 3 J slots	FT620
plug with 20' straight cable, 6 contact pins, 3 J slots	FT620S
plug with 30' coiled cord, 6 contact pins, 3 J slots, J560 plug	FT620P
replacement plug assembly with 6 contact pins, 3 J slots	FT621
replacement 30' coiled cable, optic 6 conductor	FT622
plug storage hanger	FT623
replacement 20' straight cord, optic 6 conductor	FT624



FT620

API Thermistor Cord Assemblies

Description	Part #
plug with 30' coiled cable, 8 contact pins, 2 J slots	FT600
plug with 30' coiled cable, 8 contact pins, 2 J slots, 13 pin connector	FT600P
plug with 30' coiled cord, 10 contact pins, 2 J slots (for Canada)	FT600C
plug with 20' straight cable, 8 contact pins, 2 J slots	FT600S
plug with 20' straight cable, Thermistor conductor, 8 contact pins, 4 J slots	FT600S-4
plug with 30' coiled cable, 10 contact pins, 4 J slots	FT600CP
plug with 20' straight cable, 10 contact pins, 4 J slots (for Canada)	FT600SC
replacement plug assembly with 8 contact pins, 2 J slots	FT601
replacement plug assembly with 10 contact pins, 4 J slots (for Canada)	FT601-10
replacement 30' coiled cable, Thermistor 10 conductor	FT602
plug storage hanger	FT603
replacement 20' straight cord, Thermistor 10 conductor	FT604



FT600

- Rack cord part number competitor cross references can be found on the following page.

API Rack Cord Assemblies

FloTech™ Part #	Civacon Part #	Scully Part #	API		Cord		J-Slots			Pins			Breakaway Plug	
			Thermistor	Optic	20' Straight	30' Coiled	2	3	4	6	8	10	Optic J560 Aluminum	Thermistor 13 Pin Plastic
FT600	7300SR-7300	21818	✓			✓	✓				✓			
FT600-4			✓			✓			✓		✓			
FT600C	7300CSR-7300	31092	✓			✓			✓			✓		
FT600C-2	7300C-7300		✓			✓	✓					✓		
FT600P	7320SR-7320		✓			✓	✓				✓			✓
FT600P-4			✓			✓			✓		✓			✓
FT600S	7300-STRAIGHT	20830	✓		✓		✓				✓			
FT600SC	7300C-STRAIGHT		✓		✓				✓			✓		
FT600CP			✓			✓			✓			✓		✓
FT600SP			✓				✓				✓			✓
FT605C				✓		✓			✓	✓				
FT620	7100SR-7100	21831		✓		✓		✓		✓				
FT620P	7100-J560			✓		✓		✓		✓			✓	
FT620X620				✓		✓		✓		✓				
FT620S	7100-STRAIGHT	21764		✓	✓			✓		✓				

API Rack Cord Parts

FloTech™ Part #	Civacon Part #	Scully Part #	API		Cord		J-Slots			Pins		
			Thermistor	Optic	20' Straight	30' Coiled	2	3	4	6	8	10
FT601	7310SR-7310		✓					✓				✓
FT601-4			✓						✓			✓
FT601-10			✓						✓			✓
FT602			✓			✓						
FT603	7350-7350		✓						✓			
FT604			✓		✓							
FT621	7110SR-7110	21766		✓				✓		✓		
FT622	7220-7220	31099		✓				✓				
FT623	7150-7150			✓				✓				
FT624		31098		✓	✓	✓						



FloTech™ FT590 Series Rack Monitor Testers



FT590TG

Description	Part #
rack tester with grounding bolt	FT590TG
rack tester thermistor	FT590TGT
rack tester with ground bolt	FT590OG
rack tester with ground bolt and Trailer Identification Module	FT590OGT

Dixon® Vapor Recovery Couplers

- not intended for liquid service, for vapor recovery *only* 

Materials:

- body: cast aluminum
- arms: bronze with stainless steel pins
- finger rings: plated carbon steel
- gasket: Buna-N

Coupler with Probe x Adapter

Coupler Size	Adapter Size	356T6 Aluminum Part #
4"	3"	4030-DAVR-AL



Coupler with Probe x Coupler with Probe

Coupler Size	Coupler Size	356T6 Aluminum Part #
4"	4"	400-DDVR-AL



Coupler with Probe x Hose Shank

Applications:

- for use with 3" vapor hose
- not intended for liquid service, for vapor recovery *only* 

Materials:

- cast aluminum body
- arms : bronze
- pins and finger rings: stainless steel
- gasket: Buna-N

Features:

- VR4030CS-AL has an FKM O-ring poppet seal
- *Dixon® replacement handle assemblies will not work on these fittings, contact Dixon® for replacements.* 



VR4030CS-AL

Coupler Size	Hose Shank Size	Description	Part #
3"	3"	---	VRC3000AL
4"	2"	---	4020-CVR-AL
4"	3"	no poppet	4030-CVR-AL
4"	3"	poppet	VR4030CS-AL ¹
4"	3"	floating bridge poppet	VR4030CS-SH ²
4"	4"	no poppet	400-CVR-AL
4"	4"	floating bridge poppet	VR4040CS-AL ²

¹ interchanges with all competitor vapor valves except Civacon #633LVH (special bulb design). 

² superior interface with air interlock

Repair Kits

Description	Part #
seal repair kit: gasket, machine screw and FKM O-ring	VR4040CSRK1
cam arm repair kit: paddle arm and cam arm pin	VR4040CSRK2



VRC.3000AL



4030-CVR-AL

Dixon® Vapor Recovery

Couplers

Material:

- seal: Buna N and FKM

Features:

- 'floating bridge' poppet design allows optimal flow
- machined hose shank ensures easier insertion into hose and better sealing
- durable, easy to couple stainless cam arms
- big wings ensure contact with air interlock button on tanker helping prevent drive-offs
- change poppet seal without removing the coupler from the hose
- secure to hose with traditional band clamps or built in crimp collar
- 4" MNPT version allows for either cam and groove or threaded flange option
- not intended for liquid service, for vapor recovery *only*



VR4030CS-AL45



VR4040CS-AL

Coupler Size	Description	Aluminum Part #
4"	4" coupler x 4" hose shank	VR4040CS-AL
	4" coupler x 3" 45° hose shank	VR4030CS-AL45
	4" coupler x 4" 45° hose shank	VR4040CS-AL45
	4" coupler x 4" 45° hose shank swivel	VR4040CS-ALS45
	4" coupler x 4" MNPT connection	VR4040CS-4MNPT
	4" coupler x 3" hose shank	VR4030CS-SH

Repair Kits



VRHK

Description	Part #
handle kit	VRHK
compact handle kit	VRHK-C
seal repair kit	VR4040CSRK1
cam arm repair kit	VR4040CSRK2

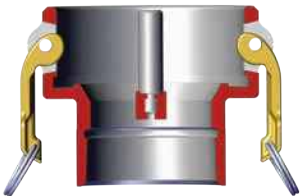
Coupler x Female NPT

- not intended for liquid service, for vapor recovery *only*



Materials:

- body: cast aluminum
- arms: bronze with stainless steel pins
- finger rings: plated carbon steel
- gasket: Buna-N



Coupler Size	Female NPT Size	356T6 Aluminum Part #
4"	3"	4030-DVR-AL
	4"	400-DVR-AL

Tank Truck Flanged Tee

Size	356T6 Aluminum Part #
4"	400-TLT-AL

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.



TTMA Series Flange Adapters

Features:

- simply and easily converts threaded components to a standard TTMA flange configuration
- solid cast lightweight aluminum design is more durable than welded fabrications
- design improves flow through adapter
- compact size reduces the overall space needed to install

TTMA Flange x Male NPT Adapters

TTMA Flange	Male NPT	Overall Length	Aluminum Part #
3"	3"	2½"	TTF3AL-3MT
4"	3"	2½"	TTF4AL-3MT
4"	4"	2½"	TTF4AL-4MT



TTMA Flange x Extended Length Male NPT Adapters

TTMA Flange	Male NPT	Overall Length	Aluminum Part #
4"	3"	5½"	TTF4AL-3EMT
	4"	5½"	TTF4AL-4EMT



TTMA Flange x Female NPT Adapter

TTMA Flange	Female NPT	Overall Length	Aluminum Part #
4"	3"	2½"	TTF4AL-3FT
	4"	2½"	TTF4AL-4FT



TTMA Slip-on Socket Weld Flange

TTMA Flange	Pipe Size	356T6 Aluminum Part #
4"	4"	TTF400SP



TTMA Slip-on Plate Flange

TTMA Flange	Pipe Size	Aluminum Part #
4"	4"	TTMA-64



TTMA Buttweld Flange

TTMA Flange	Pipe Size	Thickness	Aluminum Part #
3"	4"	⅜"	TTF3AL
4"	4"	⅜"	TTF4AL



- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Tank Truck Fittings: TTMA Flange Adapter

TTMA Flange Spacer with ½" Port



Size	Description	Aluminum Part #
4"	flange spacer with ½" female NPT port	TTFS4AL-FP50

TTMA Flange Extensions



TETF4AL



TETFG4AL

Application:

- used on load arms to connect an API load coupler to a load arm

Features:

- adds a 6" space between the load arm and the tank truck
- extension with groove provides a specified parting point to prevent excessive damage to the loading arm

Size	Description	Aluminum Part #
4"	TTMA flange extension	TETF4AL
4"	TTMA flange extension with groove	TETFG4AL
4"	TTMA flange extension with ½" female NPT port	TETF4ALFP50

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Cam & Groove Adapter x TTMA Flange

Features:

- aluminum flanges have a flat face, stainless flanges have a raised face
- reference dixonvalve.com for flange drilling standards
- pressure rating is based on the seal of the mating part, see ratings on pages 123 - 124



Size	356T6 Aluminum Part #	316 Stainless Steel Part #
3"	300-ALT-AL	300-ALT-SS ¹
3" x 4"	3040ALTAL	---
4"	400-ALT-AL	400-ALT-SS ¹
6"	600-ALT-AL	---

¹ parts are produced as a welded fabrication

Cam & Groove Coupler x TTMA Flange

Features:

- supplied standard with a Buna-N gasket, other gaskets available on pages 167 - 169
- use Dixon® replacement handles only



Size	356T6 Aluminum Part #
3"	300-DLT-AL
3" x 4"	3040DLTAL
4"	400-DLT-AL
6"	600-DLT-AL

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Cam & Groove 22½° Adapter x TTMA Flange

Feature:

- pressure rating is based on the seal of the mating part, see ratings on page 123 - 124



Size	356T6 Aluminum Part #
4"	40022ALTAL

Cam & Groove 22½° Coupler x TTMA Flange

Features:

- supplied standard with a Buna-N gasket, other gaskets available on pages 167 - 169
- use Dixon® replacement handles only



Size	356T6 Aluminum Part #
4"	40022DLTAL

- For flange dimensions, diagrams and additional information please reference dixonvalve.com

TTMA Flange Gaskets

Size	OD	ID	Thick.	Material	Part #
3"	5-5/8"	3-1/2"	1/8"	Cork / Buna	300GTTFCB
	5-5/8"	3-1/2"	1/16"	PTFE envelope with Klinger filler	300GTTFTK
	5-5/8"	3-1/2"	1/8"	Klingersil® C-4300	300GTTFK
	5-29/32"	3-1/2"	3/32"	PTFE with fiber core	40321TF
	7-1/4"	5"	5/32"	PTFE with soft fiber core	40364TF
	7-1/4"	5"	1/8"	Baylast™	40364BL
	5-5/8"	3-5/8"	1/8"	Baylast™	300GTTFBL
4"	6-5/8"	4-9/16"	1/8"	Cork / Buna	400GTTFCB
	6-5/8"	4-9/16"	1/16"	PTFE envelope with Klinger filler	400GTTFTK
	6-5/8"	4-9/16"	1/8"	Klingersil® C-4401	400GTTFK
	6-7/8"	4-9/16"	3/32"	PTFE with fiber core	40322TF
	8-3/8"	5-7/8"	5/32"	PTFE with soft fiber core	40323TF
	8-1/4"	5-7/8"	1/8"	Baylast™	40323BL
	6-5/8"	4-5/8"	1/8"	Baylast™	400GTTFBL



• For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Sight Flow Indicators

Features:

- Due to the proprietary blending of petroleum products, Dixon® recommends that thermoplastic tubing and gaskets be immersion tested in the product to be handled to ensure compatibility (not compatible with crude oil).
- for dimensional information on tank truck flange drilling reference dixonvalve.com
- maximum flange bolt torque is 200 in-lb (inch pounds)



TTMA Flanged Short Sight Flow Indicators

Features:

- durable cast aluminum housing, replaces competitions all acrylic sight glass as commonly found on tank trucks
- allows for visual identification of the fuel grade prior to opening the valve
- works with tank truck flanged butterfly valves found on gasoline trucks
- low cost sight glass tube can be easily replaced
- rated to **150 PSI**

Size	Width	Aluminum Part #
3"	1 3/4"	5200-SFI-3
4"	1 3/4"	5200-SFI



TTMA Flanged Sight Flow Indicators

Features:

- allows for visual identification of the fuel grade prior to opening the valve
- works with tank truck flanged butterfly valves found on gasoline trucks
- larger ID 4 3/8" flow indicator allows tank truck flanged butterfly valves to connect to either end of the indicator
- pressure rating: **150 PSI**

Size	Width	ID	Aluminum Part #
4"	3 1/4"	4 3/8"	5201-SFI



Features:

- allows for visual identification of the fuel grade prior to opening the valve
- 4" flow diameter

Size	ID	Aluminum Part #
4"	4 3/8"	4-1460-AL



• For flange dimensions, diagrams and additional information please reference dixonvalve.com

TTMA Flanged Sight Flow Indicators



Size	Nominal Width	Acrylic Part #
3"	1¾"	TT3ASG
4"	1¾"	TT4ASG
3"	1¾"	TT3ASG-ETH¹
4"	1¾"	TT4ASG-ETH¹

Optically Enhanced Sight Glass

Size	Nominal Width	Acrylic Part #
3"	1¾"	TT3ASGOE
4"	1¾"	TT4ASGOE
3"	1¾"	TT3ASG-ETHOE¹
4"	1¾"	TT4ASG-ETHOE¹

¹ for use with ethanol• For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Sight Flow Indicator Repair Kits



5200-SFIV-RK1

Description	Used on	Part #
3" replacement sight glass, Baylast™ O-ring and retainer ring kit	---	5200-SFI-3-RK1
3" replacement sight glass, FKM O-ring and retainer ring kit	---	5200-SFI-3V-RK1
4" replacement sight glass, Baylast™ O-ring and retainer ring kit	---	5200-SFI-RK1
4" replacement sight glass, FKM O-ring and retainer ring kit	---	5200-SFIV-RK1
replacement Baylast O-rings, sight glass and retaining ring	5201-SFI	5201-SFI-RK1
Buna-N O-ring	---	O249BU
plexiglass insert	---	4PSG
Buna-N O-ring	---	O246BU

TTMA Flange Screen



Feature:

- stainless steel screen is encapsulated in an FKM gasket

Male NPT	Description	Stainless Steel Part #
2"	screen with 1" square holes	TTFS4SS

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Betts Wet-R-Dri™ **Butterfly Valves****Application:**

- designed for handling liquid, gaseous or dry products

Features:

- has a positive stop in the open and closed position
- detent spring and ball assist in holding the disc in the open and closed position
- drilling fits TTMA recommended standards
- opens by turning hand ¼ turn counter clockwise
- temperature range: **0°F to 400°F (-18°C to 204°C)**

Manual

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
3"	75	WD301ALVB
4"	75	WD401ALVB

**Metering**

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
3"	75	WD304ALVB
4"	75	WD404ALVB



- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Tank Transport Equipment

Fusible Pipe Caps



Size	Stainless Steel ¹ Part #	Aluminum Part #	Iron Part #	Optional Qty
3"	300-SFC-SS	300-SFC-AL	300-SFC-MI	10

¹ PTFE gaskets are standard in stainless steel fittings.

Pipe Caps



Size	Stainless Steel ¹ Part #	Aluminum Part #	Iron Part #	Optional Qty
2"	200-PC-SS	---	200-PC-MI	---
3"	300-PC-SS	300-PC-AL	300-PC-MI	10
4"	400-PC-SS	---	---	---

¹ PTFE gaskets are standard in stainless steel fittings.

Reducers



Female NPSM	Male NPT	Stainless Steel ¹ Part #	Aluminum Part #	Iron Part #	Optional Qty
3"	2"	3020-RD-SS	3020-RD-AL	3020-RD-MI	10
4"	3"	4030-RD-SS ²	4030-RD-AL	---	---

¹ PTFE gaskets are standard in stainless steel fittings.

² welded fabrication

Reducing Cap



Size	Stainless Steel ¹ Part #	Optional Qty
3" x 1"	3010-RC-SS	10

¹ PTFE gaskets are standard in stainless steel fittings.

Coupling Gaskets



Buna-N



PTFE

Size	Buna-N Part #	Opt Qty	PTFE Part #	Opt Qty
1½"	---	--	150GPCTF	--
2"	200GPCBU	25	200GPCTF	10
3"	300GPCBU	25	300GPCTF	25
4"	---	--	400GPCTF	--

Intermodal Tank Transport

Pipe Caps

Size	Aluminum Part #	Stainless Steel ¹ Part #	Optional Qty
3"	300PCALAP	300PCSSAP	10

¹ PTFE gaskets are standard in stainless steel fittings



Thread Adapters

Female BSPP	Male NPT	Stainless Steel ¹ Part #
3"	2" 3"	3020RDSSAP 3030RDSSAP

¹ PTFE gaskets are standard in stainless steel fittings



Cam & Groove Adapter

Size	Stainless Steel ¹ Part #
3"	300ASSAP

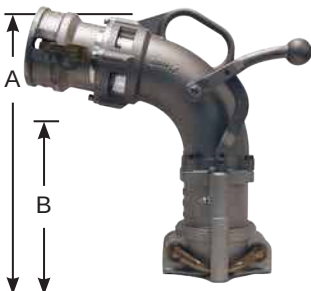
¹ PTFE gaskets are standard in stainless steel fittings



6200 Series Side Lever Type Drop Elbows

Engineered Fluid
Transfer Couplings

A



side lever with 4" coupler inlet



side lever without inlet connection

Materials:

- cast aluminum modular construction
 - handle and cam arms: brass with buna gasket
 - bolts on inlet end: stainless steel
 - sight glass: acrylic with buna seals
- for information on additional elbow configurations such as pre-assembled elbows, contact Dixon®

Size	Inlet	A Overall Height	B Ground Clearance	Aluminum Part #
4"	elbow only, <i>without inlet connection</i>	17¾"	10⅞"	6200
	elbow with 4" adapter inlet			6200A
	elbow with anti-spill sleeve, <i>without inlet connection</i>			6200T
	elbow with 4" coupler inlet			6200D
4"	tall elbow only, <i>without inlet connection</i>	21"	13¾"	6200X
	tall elbow with 4" adapter inlet			6200XA
	tall elbow with anti-spill sleeve, <i>without inlet connection</i>			6200XT
	tall elbow with 4" coupler inlet			6200XD

6500 Series Self-Locking Drop Elbows



no inlet

Size	Inlet	A Overall Height	B Ground Clearance	Aluminum Part #
4"	tightfill elbow with locking handle	17¾"	10⅞"	6500
4"	tightfill elbow with locking handle and 4" adapter inlet	17¾"	10⅞"	6500A
4"	3" tight fill elbow with 4" inlet adapter	15"	9½"	6530A
4"	3" tight fill elbow with 3" inlet adapter	15"	9½"	6530C

Inlets

Male Adapters



Inlet Size	Aluminum Part #
3"	6000-16
4"	6000-17

Female Couplers



Inlet Size	Aluminum Part #
3"	6000-15
4"	6000-14

Female NPT



Inlet Size	Aluminum Part #
4"	6000-20

Dual Point Vapor Recovery Elbows - Ball Lever

Materials:

- seals: buna
- hardware: stainless steel
- bronze locking arms housed in polymer bushings

Features:

- for use in two point vapor recovery systems
- one-piece locking arms
- advanced design side lever locking system
- bolt on 3" male outlet included (**VR6000-6**) which can be rotated for extended life
- lubrication fitting on locking stem
- see below for 6400 series co-axial elbow for single point vapor recovery

Description	Aluminum Part #
3" male adapter with probe, without poppet valve	VR6200NP
3" male adapter outlet with probe and poppet valve	VR6200



Adapter Inlet

Description	Aluminum Part #
outlet adapter with outlet O-ring	VR6000-6



Single Point Coaxial Drop Elbow

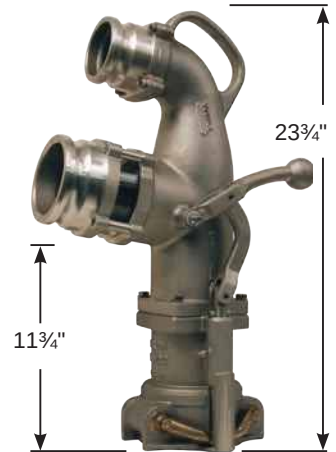
Materials:

- arms: solid bronze
- sight glass: acrylic
- seals: buna

Features:

- for single point vapor recovery only
- 3" male vapor outlet (top)
- comes assembled with 4" male inlet
- bolt-on inlets/outlets for easy, fast replacement
- replacement parts are available, please contact Dixon®
- 6400 co-axial inlets do not fit our other elbow series

Inlet	Outlet	Aluminum Part #
4" male	3" male vapor	6400



Coaxial Elbow Fuel Inlets

Adapters

Features:

- for use with 6400 series coaxial elbows only
- rated for petroleum service, Ethanol to E100 and biodiesel to B20

Size	Aluminum Part #
3"	6000-16C
4"	6000-17C



Couplers

Features:

- for use with 6400 series coaxial elbows only
- rated for petroleum service, Ethanol to E100 and biodiesel to B20

Size	Aluminum Part #
3"	6000-15C
4"	6000-14C



Tight Fill Drop Elbows - Complete Unit

**Materials:**

- body: aluminum
- handle and cam arms: brass
- gasket: buna
- bolts on inlet end: steel
- sight flow insert: plexiglass

Coupler Size	Inlet	Aluminum Part #
3"	3" male adapter 4" male adapter	300300MAE 3004030MAE

Tight Fill Drop Elbow Coupler Body



Size	Aluminum Part #
3"	300-TFG

Tight Fill Male Adapter Inlet End



Inlet	Aluminum Part #
3"	300-MAE
4"	4030-MAE

Side Seal Drop Elbow

**Features:**

- for use with special 4" side seal style fill collars only
- modular, easy to repair, bolt together construction
- standard with acrylic sight glass with buna seals (2), bronze locking levers and buna main seal
- 4" male adapter inlet and lock ring installed
- replacement parts are available, contact Dixon®

Size	Aluminum Part #
4"	6000ASAL

Side Seal to Top Seal Adapter

**Features:**

- allows conventional elbows to be used with special side seal style fill collars
- bottom connects to side seal fill collar
- top section with standard 4" top seal collar profile accepts clamping of standard 4" drop elbows
- replacement parts are available, contact Dixon®

Size	Aluminum Part #
4"	6000-SSA

Dust Cap with Pull Handle for Hose Tubes

Materials:

- aluminum body
- cam arms (dust caps): brass
- seals: buna

Features:

- Pull handles make it easier for tanker operators to remove delivery hoses from the storage tubes; the operator simply grabs the handle and easily pulls the hose out of the storage tube.
- Rugged construction protects the hose coupling and adapter from damage during transportation and removal of hoses from the hose storage tube.
- prevents possible environmental issues due to leaking residue left in an open hose



4"

Size	Aluminum Part #
3"	300-DC-ALPH
4"	400-DC-ALPH

Dust Plug with Pull Handle for Hose Tubes

Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.



3"

Size	Aluminum Part #
3"	300-DP-ALPH
4"	400-DP-ALPH



4"

Reelcraft® Static Discharge Reel

Application:

- Used to ground equipment in hazardous atmospheres, such as fuel trucks or carts transferring flammable materials. When properly clamped to ground, the static discharge reel dissipates static electrical buildup, reduced the chances of sparking and the potential for explosion.

Features:

- supplied with a 3/32" OD steel aircraft cable
- DC resistance is approximately one ohm per 50' of steel cable



Description	Stranded Steel Part #
single 7" x 7" stranded steel	G3050

TFA Series Fill Pipe Adapter



Feature:

- for use with 3" drop elbows (**300-TFG**)

Adapter Size	Female NPT	Aluminum Hardcoat Part #	Optional Qty
3"	3"	300-TFA	10

Fuel Delivery Tank Adapters



with NPSM thread



with NPT thread

Features:

- for use with 4" drop and co-axial elbows (6200, 6400 and 6500 series)
- **BZ4051S** has NPSM thread and is supplied with a gasket

Adapter Size	Female Thread	Height	Bronze Part #	Optional Qty
4"	4" NPSM	2 $\frac{3}{8}$ "	BZ4051S	5
	4" NPT	3 $\frac{1}{2}$ "	BZ4051	5

Vapor Recovery Tank Adapters



Features:

- for use with dual point vapor elbows (VR6200 series)
- can also be used as vapor valve on tanker but does not have air interlock mount
- poppeted vapor collar at station vapor outlet
- low profile design
- replacement parts are available, contact Dixon® for more information

Adapter Size	Female Thread	Height	Material	Part #	Optional Qty
4"	4" NPT	3 $\frac{5}{8}$ "	bronze	VR4086	5
			ZN-AL alloy	VR4086-BY	5

Vapor Caps

Aluminum

Features:

- special locking cap for underground tank vapor outlet **VR4086** and tanker vapor valves
- bronze cam arms
- painted vapor recovery orange

Size	Aluminum Part #
4"	VR4050AL



Nylon

Features:

- centered 'T' handle allows for one-handed use and provides a solid locking mechanism
- strong and lightweight
- built-in locking feature
- corrosion resistant materials
- vapor recovery orange
- replacement parts are available, contact Dixon® for more information

Size	Nylon Part #
4"	VR4050PL



Automatic Pressure / Vacuum Relief Caps

Features:

- normally closed, stops fuel evaporation and airborne contaminants
- lockable
- relieves pressure and vacuum buildup in fuel tanks

Note: Pressure/vacuum relief caps should be routinely inspected to ensure correct operation and particularly to ensure that the relieving components are free to move and that the air flow path is unblocked.



for stationary fuel tanks

Feature:

- relieves vacuum at .7 Hg (.33 PSI) and pressure at 2 PSI, 20 SCFM flow

Male NPT	Zinc Part #
2"	2000L
2½"	2500L



for mobile fuel tanks

Feature:

- relieves vacuum at .33 Hg and pressure between 7.5 - 9 PSI

Male NPT	Zinc Part #
2"	200-PV-9



Standard Vent Caps for Stationary Tanks

**Features:**

- allows venting of tank to atmosphere at all times
- also referred to as a breather cap
- does not have pressure or vacuum valves

Male NPT	Aluminum Part #
2½"	2500SFV

Fuel Delivery Adapter Cap

**Features:**

- single action locking cap
- bronze cam arms
- replacement parts are available, contact Dixon® for more information

Size	Aluminum Part #	Optional Qty
4"	SA4050AL	10

Swivel Joints

Applications:

- used wherever a leak-proof swivel connection is needed in pipelines or in combination with hoses to eliminate hose twisting
- Industries range from petroleum, petrochemical, refining, mining, distilling, paint, farm irrigation and fertilizing, wastewater treatment plants and food and beverage process equipment. Dixon® swivel joints are found in blending plants, drum filling applications, fluid and dry bulk transfer, vacuum trucks, oil and gas trucks and water trucks. Larger swivels can be found in the steel industry, marine bulk transfer and many more.

Features:

- full 360° rotational movement
- wide spacing between dual ball bearing raceways ensures greater load bearing capacity
- precision-machined design ensures alignment and years of trouble-free service
- O-ring dust seal protects the ball races and seals chamber from outside elements
- radius elbow design ensures a smooth flow pattern
- hydrostatic testing is performed on all swivels before shipment

Options Available:

- end configurations: female NPT, 150# flanges, TTMA flange, grooved, weld end and many other variations
- seal options: Buna, FKM, PTFE, EPDM, FDA Buna, FFKM
- ball bearing materials: carbon steel, 440 stainless steel, and 316 stainless steel
- grease materials: Lithium, FDA approved/food grade and silicone
- swivels that include oxygen, steam or submerged service can be specifically designed for unique applications (special order)
- 100% full penetration weld
- re-build kits available
- custom swivel options available, contact Dixon® at 888.226.4673

Swivel configurator available dixonvalve.com

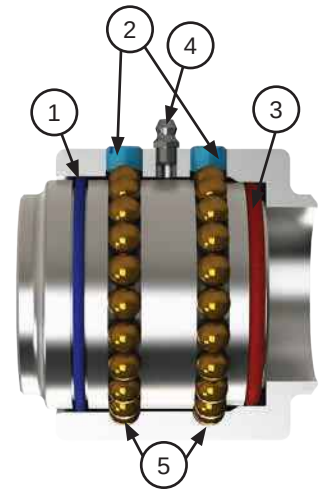


O-ring Parts Identification List

1. O-ring (dust) seal
2. ball retainer screw
3. O-ring (pressure) seal
4. grease fitting
5. ball bearings

O-ring Features:

- sizes: 1" - 4"
- O-ring pressure seal ensures a leak-proof seal and smooth rotation with lower torque.
- available working pressure ratings up to 1000 PSI
- available in carbon steel, 316L stainless steel, aluminum, brass and malleable iron

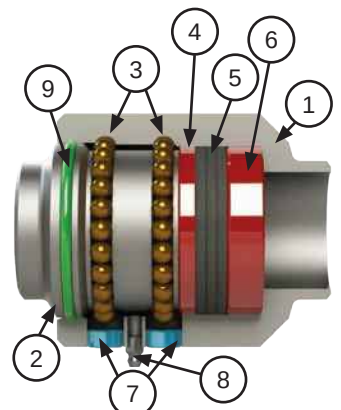


V-ring Parts Identification List

1. body
2. sleeve
3. ball bearings
4. seal retainer
5. V-ring (pressure) seal
6. spring retainer
7. ball retainer screw
8. grease fitting
9. O-ring (dust) seal

V-Ring Features:

- 2" - 12" size range
- spring loaded triple V-ring sealing system ensures a leak-proof seal at either high or low pressure and extends seal life
- available working pressure ratings up to 1000 PSI
- available in carbon steel, 316L stainless steel and limited aluminum



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Swivels

Single Plane Style 20



female NPT x female NPT

Size	Aluminum Part #	Malleable Iron Part #
1½"	15020FXFAL00000	15020FXFMI00000
2"	220FXFAL00000	220FXFMI00000
3"	320FXFAL00000	320FXFMI00000
4"	420FXFAL00000	---

Single Plane Style 30



female NPT x female NPT

Size	Aluminum Part #	Malleable Iron Part #
1½"	15030FXFAL00000	15030FXFMI00000
2"	230FXFAL00000	230FXFMI00000
3"	330FXFAL00000	330FXFMI00000
4"	430FXFAL00000	---

• contact Dixon® at 888.226.4673 for additional sizes, materials and configurations

Swivel Joint Styles Planes of Rotation

Single Plane Style 40



female NPT x female NPT



150# ASA flange x 150# ASA flange

Double Plane Style 50



female NPT x female NPT



150# ASA flange x 150# ASA flange

Double Plane Style 60



female NPT x female NPT



150# ASA flange x 150# ASA flange

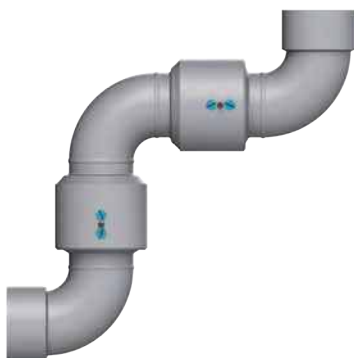
Swivel configurator available dixonvalve.com

LIBERTY EXHIBIT 1012, Page 52



Swivel Joint Styles Planes of Rotation

Double Plane Style 70



female NPT x female NPT



150# ASA flange x 150# ASA flange

Triple Plane Style 80



female NPT x female NPT



150# ASA flange x 150# ASA flange



female NPT x female NPT



150# ASA flange x 150# ASA flange

Triple Plane Style 10

Working Pressures

Dixon® swivels are recommended for use at the following maximum Non-Shock Cold Working Pressures (NSCWP) provided in PSI, at ambient temperatures **70°F (21°C)**.

Size	V-ring Carbon Steel CS	O-ring Carbon Steel OC	V-ring Stainless Steel SS	O-ring Stainless Steel OS	Aluminum AL	Brass BR	Malleable Iron MI
1"	---	1000	---	1000	150	---	---
1¼"	---	---	---	---	150	---	---
1½"	---	1000	---	1000	150	300	600
2"	1000	1000	1000	1000	150	300	600
3"	1000	1000	1000	1000	150	300	600
4"	1000	---	1000	---	150	---	---
6"	1000	---	---	---	150	---	---
8"	---	---	---	---	150	---	---

- When using flanged ends, the pressure rating will be reduced to coincide with that of the flange being used. Carbon steel and stainless steel 150# flanges are recommended for use at **275 PSI** maximum at ambient temperature **70°F (21°C)**.
- Lubrication should be performed periodically, depending on service and operating conditions. Twice yearly is normally sufficient.
- All dimensions are approximate. Where critical, contact Dixon® at 888.226.4673



Swivel Ordering Information

Size
Style (shape)
End configuration
Material
Maximum working pressure
Temperature range
Media: specify product being handled (if chemical, advise concentration)
Submerged or oxygen service
If for constant rotation, advise RPM
If for suction service, advise maximum vacuum in inches of mercury (Hg)

Our Sales and Engineering staff will help you evaluate your swivel application, please call 888.226.4673.

Example: $\frac{2}{[A]}$ $\frac{20}{[B]}$ $\frac{F}{[C]}$ X $\frac{F}{[C]}$ $\frac{CS}{[D]}$ $\frac{0}{[E]}$ $\frac{0}{[F]}$ $\frac{1}{[G]}$ $\frac{0}{[H]}$ $\frac{0}{[I]}$

A Size					
B Style					
C End Connections	W Weld End	F Female NPT	FG 150# ASA Flange	TF Tank Truck Flange	PF 300# ASA Flange (not available in aluminum)
D Material	CS (V-ring) Carbon Steel OC (O-ring) Carbon Steel	SS (V-ring) Stainless Steel OS (O-ring) Stainless Steel	AL Aluminum	BR Brass	MI Malleable Iron
Code	E Pressure Seal	F Dust Seal	G Retainers	H Ball Bearings	I Grease
0	Buna N (standard)	Buna N (standard)	no retainers (O-ring swivel)	carbon steel (Standard)	Lithium
1	FKM	FKM	PTFE (standard in CS V-ring) ¹	440 grade SS	FDA approved/ food grade
2	PTFE	---	PTFE (standard in SS V-ring)	316 grade SS	Silicone (required with EPR seals)
3	Ethylene Propylene	Ethylene Propylene	---	---	---
4	(requires silicone grease)	(requires silicone grease)	---	---	---

¹ Aluminum retainers are no longer available. PTFE retainers will be standard for all V-ring swivels.



The swivel should be packed such that the surfaces coming in contact with the fluid being handled are compatible with that fluid. In a case where the swivel is being used in a submerged service, this would include the dust seals and ball bearings. We always recommend the use of the stainless steel ball bearings when building a swivel for submerged service. Standard carbon steel ball bearings could rust together, making it impossible to disassemble the swivel and may affect operation.



Loading Arm Swivels

Features:

- TTMA loading arm swivel with heavy duty D style shovel handle
- TTMA flanges on both ends
- shovel handle is used to guide the API load coupler onto the adapter on the tank truck
- long radius elbow improves flow into the API load coupler and provides spacing between the load arm and the tank truck
- can be used with flange extensions on page 36

Size	Description	Aluminum Part #
4"	Style 30 short radius, with handle, Buna seals	43HTFXTFAL00000
	Style 30 short radius, with handle, FKM seals	43HTFXTFAL11000
	Style 30 short radius, without handle, Buna seals	430TFXTFAL00000
	Style 30 short radius, without handle, FKM seals	430TFXTFAL11000
	Style 30 long radius, with handle, Buna seals	43HTFTFLAL00000
	Style 30 long radius, with handle, FKM seals	43HTFTFLAL11000
	Style 30 long radius, without handle, Buna seals	430TFTFLAL00000
	Style 30 long radius, without handle, FKM seals	430TFTFLAL11000
	Style 40 with handle, Buna seals	44HTFXTFAL00000
	Style 40 with handle, FKM seals	44HTFXTFAL11000
	Style 40 without handle, Buna seals	440TFXTFAL00000
	Style 40 without handle, FKM seals	440TFXTFAL11000
	Style 50 with handle, Buna seals	45HTFXTFAL00000
	Style 50 with handle, FKM seals	45HTFXTFAL11000
	Style 50 without handle, Buna seals	450TFXTFAL00000
	Style 50 without handle, FKM seals	450TFXTFAL11000



Replacement Parts

Description	Part #
4" schedule 80 aluminum nipple	ATN100X7
D style heavy duty shovel handle	100DHAN-AL
ball handle	100BHAN-AL
buna seal kit	4RK0BU
FKM seal kit	4RKOVIVI



NEW

NEW

Dixon® Loading Arms

**Applications:**

- used in the transfer of liquids and dry bulk in refineries, chemical plants, rail terminals, truck terminals, tote and drum filling and food industry

Sizes:

- 2", 3", 4" and more upon request

Materials:

- various materials available including: hardened carbon steel, 316L stainless steel and aluminum
- seals: Buna, EPDM, FKM A and B, PTFE, Baylast and more on request
- counterbalance housing: steel

Features:

- three options for sealing swivels: O-ring, V-ring and Split Flange
- fast delivery for many sizes and styles
- engineered with easy service in mind
- wide variety of end configurations available
- torsion spring counterbalance:
 - ball screw adjustment mechanism for easy and safe adjustment
 - multiple spring rates available for different load requirements
 - multiple grease ports for ease of service

Visit dixonvalve.com/loadingarms for additional product information or call 888.226.4673.

Split Flange Swivels

Applications:

- Used in petroleum, blending plants, petrochemical, refining, mining, distilling, paint plants, farm irrigation and fertilizing, wastewater treatment, food and beverage process equipment and marine

Features:

- bearing pack design allows easy seal change without removing the ball bearings
- simple maintenance: remove one nose piece, replace seal pack, reinstall with little down-time
- instream seal separates wetted area from ball bearings allowing for longer bearing pack life over conventional swivels
- pressure rating: up to **600 PSI**
- temperature: **-40°F to 450°F (-40°C to 232°C)** depending on seal material (with standard seals: **350°F (177°C)**)
- wide set bearing race for higher moment loads
- compact design for low profile applications



Materials:

- bearing pack: through hardened forged high carbon alloy
- material contact surfaces: stainless steel or carbon steel nose pieces

Available options:

- stock end configurations: 150 lb. and 300 lb. flanges, FNPT, butt weld, others per request
- stock seals: Baylast™, FKM, PTFE, others per request
- full penetration weld
- contact Dixon® at 888-226-4673 for additional materials and configurations

Size	Carbon Steel Weld x Weld with Baylast™ Pressure Seals	Carbon Steel Weld x Weld with FKM Pressure Seals	Carbon Steel 150# Flange x 150# Flange with Baylast™ Pressure Seals	Carbon Steel 150# Flange x 150# Flange with FKM Pressure Seals
2"	SF220WXWCS00	SF220WXWCS10	SF220FGXFGCS00	SF220FGXFGCS10
3"	SF320WXWCS00	SF320WXWCS10	SF320FGXFGCS00	SF320FGXFGCS10
4"	SF420WXWCS00	SF420WXWCS10	SF420FGXFGCS00	SF420FGXFGCS10

Split Flange Swivel Components

Split Flange Bearing Packs



Size	Carbon Steel Part #
2"	2SFBP
3"	3SFBP
4"	4SFBP



Split Flange Nose Pieces

- 2 required per bearing pack

Size	Carbon Steel Part #	316 Stainless Steel Part #
2"	2SFNPCS	2SFNPSS
3"	3SFNPCS	3SFNPSS
4"	4SFNPCS	4SFNPSS



Seal Kits

- kits contains: seal, PTFE retainer, carbon steel bolts
- 1 required per bearing pack

Size	Baylast Part #	FKM Part #	PTFE Part #
2"	2SFSK-BAYLAST	2SFSK-VI	2SFSK-TES
3"	3SFSK-BAYLAST	3SFSK-VI	3SFSK-TES
4"	4SFSK-BAYLAST	4SFSK-VI	4SFSK-TES



Railroad Tank Car Connections

Features:

- all swivel nuts have standard 5" Railroad Tank Car thread
- supplied with a Buna-N gasket in the threaded end, other gaskets available on page 59
- also available in other materials and in 2" and 2½" sizes, consult Dixon® for pricing and availability

Style A



Stainless steel railroad tank car connections are not compatible with aluminum and brass.



Male Adapter	Swivel Nut	Elbow	316 Stainless Steel Part #	Aluminum Part #
3"	5"	120°	RTCA30	---
4"	5"	110°	RTCA40 ¹	ATCA40

¹ parts are produced as a welded fabrication

Style F

Features:

- 4" TTMA flange can be bolted to sight glass; API adapter or other dry disconnect
- supplied with PTFE Buna-N envelope gasket



110° elbow

TTMA Flange	Swivel Nut	Elbow	Aluminum Part #
4"	5"	110°	ATCF40 ¹
	5"	90°	ATCF40-90

¹ part is produced as a welded fabrication

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Style GF

Feature:

- 4" TTMA flange can be bolted to sight glass; API adapter or other dry disconnect



110° elbow

TTMA Flange	Boss-lock™ Coupler	Elbow	Aluminum Part #
4"	4"	110°	ATCGF40
	4"	90°	ATCGF40-90

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Screen

Features:

- stainless steel screen encapsulated in a buna gasket
- for use in Style GF elbows



Size	Hole Size	316L Stainless Steel Part #
4"	1"	400-G-BUSS

Style S



Shank Size	Swivel Nut	Elbow	Aluminum Part #
4"	5"	110°	ATCS40

Railroad Tank Car Connections

Style T

Male NPT	Swivel Nut	Elbow	Iron Part #	Aluminum Part #
3"	5"	120°	TCT30	ATCT30
4"	5"	110°	TCT40	ATCT40



Style T

Components that make up these assemblies are not interchangeable between stainless steel and the other materials.



Male NPT	Swivel Nut	Elbow	316 Stainless Steel Part #
3"	5"	120°	RTCT30
4"	5"	110°	RTCT40



Dixon® Coupler x Tank Car Thread

Features:

- part is produced as a welded fabrication
- pressure rating is based on the seal of the mating part, see ratings on page 124
- use Dixon® replacement handles only

Coupler	Male Tank Car Thread	Aluminum Part #
4"	5"	400DWX5TC



EZ Boss-Lock™ x Coupler Tank Car Thread

Features:

- part is produced as a welded fabrication
- pressure rating is based on the seal of the mating part, see ratings on page 124
- use EZ Boss-Lock™ replacement handles only

Coupler	Male Tank Car Thread	Aluminum Part #
4"	5"	AD400ALEZMTC



Railroad Unloading Assemblies

Features:

- robust aluminum body construction
- removable, easy carry handle
- safe and reliable - valves will not open unless fittings are properly connected
- multiple configurations available, consult Dixon™ for pricing and availability

Assembly with MannTek Dry Disconnect Adapter



Adapter Size	Swivel Nut Size	Aluminum Part #
4"	5"	ATC40ASSDDA

Assembly with API Adapter



Feature:

- stainless steel springs on the adapter and coupler for corrosion resistance

Adapter Size	Swivel Nut Size	Aluminum Part #
4"	5"	ATC40ASSAPI

Dixon® Tank Car Adapters



rocker lug



pin lug



Stainless steel adapters are not compatible with the aluminum and brass adapters.

Features:

- standard 5" Railroad Tank Car thread
- supplied with a Buna-N gasket in the threaded end, see next page for more gaskets

Size	356T6 Aluminum Part #	Brass Part #	Iron Part #	316 Stainless Steel Part #
2"	200-TCA-AL	---	---	200-TCA-SS
3"	300-TCA-AL	300-TCA-BR	300-TCA-MI	300-TCA-SS
4"	400-TCA-AL	400-TCA-BR	---	400-TCA-SS

45° Swivel



Features:

- standard 5" Railroad Tank Car thread
- 45° tank car swivel adapter
- unit has a long handle brass swivel nut and a swivel retaining ring
- supplied with a Buna-N gasket in the threaded end, see next page for more gaskets

Size	356T6 Aluminum Part #
4"	40A-45TCAL

Note: 4" hose fittings for railroad tank car unloading can be found on pages 55 and 56

LIBERTY EXHIBIT 1012, Page 60

Cam & Groove Railroad Tank Car Gaskets

Old Style

Feature:

- for use with Dixon® fittings

Size	OD	ID	Thick	Leather Part #
5"	5¼"	3½"	3/16"	G9



Standard

Feature:

- for use with Dixon® fittings

Size	OD	ID	Thick	Material	Part #
5"	5¼"	3⅞"	⅛"	<i>Buna-N</i>	500GTCABU
	5¼"	3⅞"	⅛"	<i>FKM</i>	500GTCABI
	5¼"	3⅞"	⅛"	<i>fuel grade Buna</i>	500GTCABF
	5-5/16"	3⅞"	3/16"	<i>FKM</i>	500GTCAVITHK



PTFE Envelope

Features:

- for use with Dixon® fittings
- may be too thick for insertion in some older Dixon® fittings

Size	OD	ID	Thick	Material	Part #
5"	5¼"	3-13/16"	3/16"	<i>PTFE with Buna-N filler</i>	500GTCATF
	5¼"	3-13/16"	3/16"	<i>PTFE with FKM filler</i>	500GTCATV



Pin Lug Wrench

Feature:

- used on aluminum and iron tank car nuts

Iron Part #
G10



Bronze Sight Flow Indicators

Female NPT x Female NPT

Stock Quantity Only

Features:

- verifies flow and monitors color and clarity in fluid lines
- double window snap ring design
- bronze body
- ABS indicator
- tempered soda lime sight glass
- Buna-N seals
- maximum operating pressure: **125 PSI**
- maximum temperature: **200°F (93°C)**
- made in the USA



Size	Overall Length	Width	Height	Bronze Part #	Optional Qty
1/2"	3-13/16"	2-7/16"	2-7/16"	SF1631-050	1
3/4"	3-13/16"	2-7/16"	2-7/16"	SF1631-075	1
1"	4-3/8"	3"	3-1/8"	SF1631-100	1
1 1/2"	4-5/8"	3-13/16"	4"	SF1631-150	1
2"	4-5/8"	3-13/16"	4"	SF1631-200	1

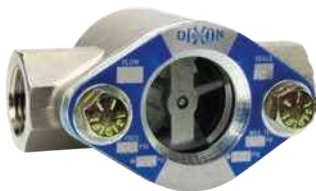
Stainless Steel Sight Flow Indicators

Female NPT x Female NPT

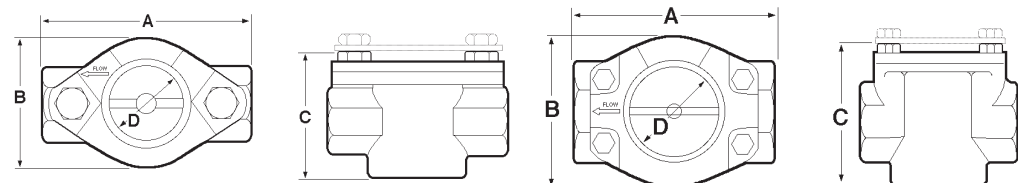
Stock Quantity Only

Features:

- verifies flow and monitor color and clarity in fluid lines
- radial sealing method and bolt-on body design provide reliable service with no torquing maintenance required
- white acetal resin, 40% glass filled propeller style indicator is standard and best for observations at a distance or with opaque liquids ¹
- tempered soda lime sight glass ²
- FKM seals are standard ³
- maximum operating pressure: **200 PSI at 150°F (66°C)**
- maximum temperature: **225°F (107°C) at 150 PSI**
- made in the USA
- 150# flanged units and other metals are available, consult Dixon® for price and availability.



1/2"



1 1/2"



2"

Size	Overall Length A	Width B	Height C	Diameter of Sight Opening D	Stainless Steel Part #	Optional Qty
1/2"	3 1/4"	2"	2-3/8"	1 1/8"	SF1471-050	1
3/4"	4 1/4"	2-9/16"	3-1/4"	1 1/2"	SF1471-075	1
1"	4 1/4"	2-9/16"	3-1/4"	1 1/2"	SF1471-100	1
1 1/2"	5 5/8"	3-5/16"	4-5/16"	2"	SF1471-150	1
2"	5 5/8"	3-5/16"	4-5/16"	2"	SF1471-200	1

¹ Plain, flapper or drip tube style indicators are available as are PTFE indicators, consult Dixon® for price and availability.

² Special units with tempered borosilicate glass are available, consult Dixon® for price and availability.

³ PTFE, EPR and Buna-N seals are available, consult Dixon® for price and availability.

ADS Outalarms

Automated Design Service, Inc. (ADS) is now operating as Dixon® Industrial Fluid Control to manufacture products specifically designed for liquid terminal operations. Our standard product offering is shown on the following pages. However, there are numerous additional applications, materials and custom designs available, please visit dixonvalve.com/ADS for the latest information. Call 513.874.8499 or 877.582.3569 for technical information or assistance with ordering these products.

ADS Outalarms with Probe

Application:

- specifically designed for liquid terminal operation on batch loading and overfill protection, unloading, tank cars, tanks trucks, marine barges, suitable for open and closed dome

Features:

- totally self-contained; no wires, tubing or external power
- rugged weather and corrosion resistant construction
- no moving parts, tip sensitive phase shift™ digital capacitance sensor for conductive and non-conductive fluid
- intrinsically safe design per ANSI/UL913 for Class I, Div I Groups A, B, C and D Hazardous Areas
- requires no calibration or adjustment
- operates up to 2500 hours on a single 9V alkaline battery
- adjustable insertion length through a standard ½" NPT fitting
- high intensity audible and flashing visual outputs
- full, hard graduated laser engraved rod
- fail safe continuous battery monitor goes to alarm state on low battery
- factory tuned to trip ¼" into liquid
- 24", 36", 48" and 60" probe lengths standard, other lengths available
- battery current drain <0.23 ma during standby; <50 ma in alarm state
- horn intensity 101 dB at 2'
- light output 3 each 3000 mcd high intensity flashing LED's
- wetted materials: 316 stainless steel, PTFE standard, other materials available
- pressure rating on standard unit: **50 PSI**, consult Dixon® for applications up to 300 PSI
- optional opto-isolated solid state contact output
- high temperature applications to **325°F (162°C)**
- low temperature option good to **-40°F (-40°C)**
- temperature range: **-14°F to 325°F (-26°C to 163°C)**

ADS Outalarms with A100 Probe

Features:

- capacitance Phase Shift probe
- ½" NPT gland standard
- minimum dielectric constant 1.8
- temperature range: **-14°F to 250°F (-26°C to 121°C)**

Length	Capacitance 250°F (121°C) maximum	Hi-temp Capacitance 325°F (163°C) maximum	Conductivity for conductive fluids
12"	A100C12A	A100HC12A	A100CSS12A
24"	A100C24A	A100HC24A	A100CSS24A
36"	A100C36A	A100HC36A	A100CSS36A
48"	A100C48A	A100HC48A	A100CSS48A
60"	A100C60A	A100HC60A	A100CSS60A
72"	A100C72A	A100HC72A	A100CSS72A
84"	A100C84A	A100HC84A	A100CSS84A

NEW



ADS 210 Spillguard™ Monitors

Application:

- shutdown system for tank cars, tank trucks, barges and ships, suitable for open and closed dome

Features:

- rugged, explosion proof, weather, chemical and corrosion resistant
- LED status lights visible through glass cover
- inserts into tank through standard ½" NPT fitting
- probe can be portable or permanently installed in the vessel
- laser engraved graduated rod with ¼" graduations
- probe-to-controller cable protected by stainless steel interlocking armor sheath and heavy duty latching connectors at both ends
- fail safe design, unit trips in the event of an open or shorted cable or loss of power
- controller housing NEMA 4X, NEMA 7, Explosion Proof, Class I, II, Groups B, C and D
- choice of capacitance, conductivity, ultrasonic, temperature or float sensors
- insertion lengths 4" to 60" standard, other lengths available
- wetted materials: 316 stainless steel and PTFE standard, other materials available
- sensor suitable for Class I, II, III, Div 1, Groups A, B, C and D when used with supplied controller and cable lengths of 10,000' or less
- input power: 120 VAC, 240 VAC or 24 VDC, 2.5 watts
- output relay contacts 2 form C (2PDT) rated 2 amps at 120/240 VAC, 1 form C (SPDT) with optional latching circuit and reset switch
- output relay de-energizes on high level, broken or shorted sensor cables or loss of power
- sensor excitation open circuit voltage 8 VDC, short circuit current 8 MA with built-in FM approved barrier
- probe temperature range: **-14°F to 212°F (-26°C to 100°C)**
- probe pressure rating: **50 PSI** with standard fitting, consult Dixon® for applications up to 300 PSI
- standard cable lengths: 15', 25' and 50', other lengths available
- cable connectors designed for repeated mating meet IP 65 mechanical and environmental specifications
- optional self test feature, tilt and ground verification interlocks and latching circuit available



Monitor Options	24V DC	120V AC
A210 Spillguard™ monitor	A210-24	A210-120
with bypass timer	A210B-24	A210B-120
with external reset switch	A210R-24	A210R-120

ADS Spillguard™ Probes

Capacitance Probes

Application:

- for materials with dielectric constant > 1.8, liquids, powders, slurries

Materials:

- probe: 316 stainless
- housing: NEMA 4X, IP66

Features:

- ½" NPT sliding fitting standard, ¾" fitting optional
- open dome adapter and washout fitting available
- tilt sensor optional

Specifications:

- capacitance probe: **250°F (121°C)** maximum
- high temperature probe: **325°F (163°C)** maximum

Length	Capacitance	
	Capacitance	High-Temp
12"	A200PC12A	A200PHC12A
24"	A200PC24A	A200PHC24A
36"	A200PC36A	A200PHC36A
48"	A200PC48A	A200PHC48A
60"	A200PC60A	A200PHC60A
72"	A200PC72A	A200PHC72A
84"	A200PC84A	A200PHC84A

Conductivity Probes

Application:

- for conductive fluids such as acids and water based mixtures

Materials:

- probe: 316 stainless, Hastelloy available for HCL service
- housing: NEMA 4X, IP66

Features:

- ½" NPT sliding fitting standard, ¾" fitting optional
- open dome adapter and washout fitting available
- pressure and tilt sensor options
- single electrode protected in housing
- dual electrodes exposed for easy cleaning

Length	Conductivity	
	Single Electrode	Dual Electrode
12"	A200PCSS12A	A200PCSSDP12A
24"	A200PCSS24A	A200PCSSDP24A
36"	A200PCSS36A	A200PCSSDP36A
48"	A200PCSS48A	A200PCSSDP48A
60"	A200PCSS60A	A200PCSSDP60A
72"	A200PCSS72A	A200PCSSDP72A
84"	A200PCSS84A	A200PCSSDP84A

Float Probes

Application:

- for use with foaming, very low density, or highly viscous liquids

Materials:

- probe: 316 stainless, Hastelloy available for HCL service
- housing: NEMA 4X

Features:

- single point standard, dual or multi-level float available
- open dome adapter and washout adapter available
- A100 battery powered monitor

Length	A100 Outalarm Float Probe	A200 Float Probe
24"	A100F24DA	A200F24DA
36"	A100F36DA	A200F36DA
48"	A100F48DA	A200F48DA

Multi-Point Ultrasonic Probes

Application:

- for use when multiple detection points are required such as dribble mode, pump shutoff and overfill alarm

Features:

- up to 5 sense points available
- pressure sensor
- ground verification
- tilt storage probe only active in vertical operational position
- Built special order to customer specifications, contact Dixon Bayco at 513.874.8499 for more information.

ADS Outage Gauge

Applications:

- set level fill point for manual / visual fill control
- measure outage requirements on mobile tanks

Feature:

- open dome bracket



Length	316 stainless steel Standard Outgauge Part #	316 stainless steel Outgauge with J Bar Part #
2'	A800OG2	A800OGJ2
3'	A800OG3	A800OGJ3
4'	A800OG4	A800OGJ4
5'	A800OG5	A800OGJ5

ADS Gauge Rods

Application:

- used to gauge liquid levels in any mobile tank

Features:

- ½" x .065 wt hardened 316 stainless steel
- laser engraved scale with ¼" graduations
- rods come in two sections that screw together at the midpoint
- foot marks inscribed on rod at 1' intervals below the inch mark
- heavy duty plastic handle
- available in 4', 8' and 12' lengths

Description	316 Stainless Steel Part #
4'	ADS4GR
8'	ADS8GR
12'	ADS12GR



laser engraving closeup

ADS Spillguard™ Armored Cables

Features:

- 3 or 5 pin connector
- 316 stainless steel armoured cable or yellow rubber cable
- custom lengths available, call 513.874.8499 or 877.582.3569 for more information

Armored Cables

Length	3 Pin	5 Pin
15'	A200CA3P15	A200CA5P15
20'	A200CA3P20	A200CA5P20
25'	A200CA3P25	A200CA5P25
50'	A200CA3P50	A200CA5P50



Rubber Cable ¹

Length	3 Pin
25'	A200CB3P25



¹ for use with (-M) mini connectors only

Accessories

ADS Open Dome Adapters

Features:

- flexible design fits most domes
- ½ and ¾" NPT port for Outalarm probes

Stainless Steel

Part #

A100DA

A100DB

NEW



A100DA

NEW

Tank Washout Caps

Description	Part
tank truck 3" wash-out adapter, ½" NPT	A100TTA
tank truck 3" wash-out adapter, ¾" NPT	A100TTB
washout cap with swivel	A200SA
washout cap with swivel and 2" vent	A200SVA



A100TTA



A200SA

Cable Junction Boxes

Description	Part
3 pin	A210CR-3
5 pin	A210CR-5



A210CR-3

NEW

Additional Parts & Accessories

Description	Part
1" cam and groove coupler and ½" NPT bushing, stainless steel	A100CA1050
1" cam and groove coupler with ½" NPT busing and 1" NPT vent tee, stainless	A100CA1050V
A100 / 200 splash guard, with 1½" diameter poly	A100SG-POLY
locating tab for A100 / 200 probes	A100LT
replacement A100 monitor only	A100MTR
cable to monitor adapter	A100CBLMTR
A210 Piezo horn 24VDC	A210PZH-24
tri color external signal light	A210-120TC



A210PZH-24



A210-120TC

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Features:

- positive metal-to-polymer seal
- leakproof seal forms when the metal head of the stem makes contact with the patented polymer seat in the spud
- non-metallic polymer seat resists most chemicals found in manufacturing facilities (reference corrosion resistance chart on pages 921 - 926)
- recommended for steam service up to **450°F (232°C)**
- easy to seal
- use with Boss™ clamps found on pages 75, 76



Hose Coupling Systems

BOSS™ Ground Joint Couplings with Female Spud

Hose Shank x NPT	Plated Steel and / or Iron Part #	316 Stainless Steel Part #	Brass Part #
1/4"	GF1 ¹	---	---
3/8"	GF3 ¹	---	---
1/2"	GF6	---	---
1/2" x 3/4"	GF26-1	---	---
3/4"	GF26	RGF26	BGF26
1"	GF36	RGF36	BGF36
1 1/4"	GF51	RGF51	---
1 1/2"	GF61	RGF61	---
2"	GF81 ²	RGF81 ²	---
2 1/2"	GF96	---	---
3"	GF111	---	---
4"	GF141	---	---
6"	GF201 ¹	---	---

¹ 1/4", 3/8" and 6" available only with copper seat spuds² not to be used with #250, #275 or #306 Boss™ clamps

B

BOSS™ Ground Joint Stems

Hose Shank x NPT	Plated Steel and / or Iron Part #	Optional Qty	316 Stainless Steel Part #	Brass Part #
1/4"	GBA	100	---	---
3/8"	GCA	100	---	---
1/2"	GB1	100	---	---
1/2" x 3/4"	GB6-1	50	---	---
3/4"	GB6	50	RGB6	BGB6
1"	GB11	50	RGB11	BGB11
1 1/4"	GB16	25	RGB16	---
1 1/2"	GB21	25	RGB21	---
2"	GB26 ²	10	RGB26 ¹	---
2 1/2"	GB31	5	---	---
3"	GB36 ²	5	---	---
4"	GB46	5	---	---
6"	GB66	2	---	---

¹ not to be used with #250, #275 or #306 Boss™ clamps² GB26 / GB36 have machined shank to accept Boss™ clamps, King Crimp™ sleeves, ferrules. Use only Boss clamps on GB26 / GB36 for steam service.**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. Pressure rating is based on the seal of the mating part. Reference dixonvalve.com for a complete list of ratings.

The King Crimp™ sleeve and ferrule are not intended for steam service.



Boss™ Wing Nuts



plated iron / steel



316 stainless steel



brass

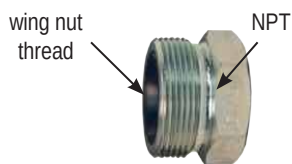
Size	Plated Steel and / or Iron Part #	Optional Qty	316 Stainless Steel Part #	Brass Part #
1/4"	SLS4	100	---	---
3/8"	CB	100	---	---
1/2"	B2	100	---	---
3/4"	B12	25	RB12	BB12
1"	B12	25	RB12	BB12
1 1/4"	B17	25	RB17	---
1 1/2"	B17	25	RB17	---
2"	B27	10	RB27	---
2 1/2"	B32	5	---	---
3"	B37	5	---	---
4"	B47	5	---	---
6"	B67	2	---	---

Boss™ Knurled Nut



Size	Plated Steel Part #	Optional Qty
3/4" and 1"	KB12	25

Boss™ Ground Joint Female Spuds



Thread	Plated Steel and / or Iron Part #	Optional Qty	316 Stainless Steel Part #	Brass Part #
1/4"	GBC ¹	100	---	---
3/8"	GCC ¹	100	---	---
1/2"	GB3	100	---	---
3/4"	GB8	50	RGB8	BGB8
1"	GB13	50	RGB13	BGB13
1 1/4"	GB18	25	RGB18	---
1 1/2"	GB23	25	RGB23	---
2"	GB28	10	RGB28	---
2 1/2"	GB33	5	---	---
3"	GB38	5	---	---
4"	GB48	5	---	---
6"	GB68 ¹	2	---	---

¹ 1/4", 3/8" and 6" available only with copper seat spuds, all other sizes have polymer seats

Boss™ Ground Joint Male Spuds

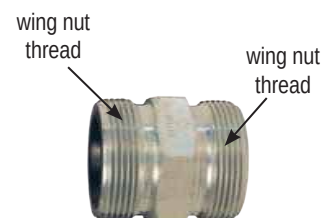
Thread	Plated Steel Part #	Plated Iron Part #
3/8"	GMC¹	---
1/2"	GM3	---
3/4"	GM8	---
1"	GM13	---
1 1/4"	---	GM18
1 1/2"	---	GM23
2"	---	GM28
2 1/2"	---	GM33
3"	---	GM38

Hose Coupling
Systems

¹ 1/4", 3/8" and 6" available only with copper seat spuds, all other sizes have polymer seats

Boss™ Ground Joint Double Spuds

Thread	Plated Steel Part #	Plated Iron Part #
1/2"	GDB3	---
3/4" and 1"	GDB13	---
1 1/4" and 1 1/2"	---	GDB23
2"	---	GDB28
2 1/2"	---	GDB33
3"	---	GDB38



Boss Holedall™ Fittings

Applications:

- designed for air and liquid applications where a permanent, low profile clamping system is desired
- not for steam service 

Features:

- supplied with carbon steel ferrules
- consult Dixon® for swage and/or crimp specifications

Size	Hose OD		Plated Iron / Steel Part #	Stainless Steel Part #
	From	To		
3/4"	1-10/64"	1-14/64"	GF26P1	---
	1-15/64"	1-18/64"	GF26P2	---
	1-19/64"	1-22/64"	GF26P3	---
1"	1-30/64"	1-34/64"	GF36P1	---
	1-35/64"	1-38/64"	GF36P2	---
	1-39/64"	1-42/64"	GF36P3	---
1 1/2"	1-58/64"	2"	GF61P1	RGF61P1
	2-1/64"	2-8/64"	GF61P2	RGF61P2
	2-9/64"	2-16/64"	GF61P3	---
2"	2-28/64"	2-40/64"	GF81P1¹	RGF81P1
	2-41/64"	2-48/64"	GF81P2¹	RGF81P2
	2-49/64"	2-56/64"	GF81P3¹	---
3"	3-30/64"	3-40/64"	GF111P1¹	---
	3-41/64"	3-48/64"	GF111P2¹	---
	3-49/64"	3-56/64"	GF111P3¹	---



¹ 2" and 3" have a machined shank

Boss™ Adapters

Female NPT

Features:

- designed to fit the standard ground joint spuds on pages 68, 69
- supplied with a wing nut, as shown
- for safety tags and safety tape, see page 910



Size	NEW	
	Plated Steel and / or Iron Part #	316 Stainless Steel Part #
3/4"	GFAS6	RGFAS6
1"	GFAS11	RGFAS11
1 1/4"	GFAS16	---
1 1/2"	GFAS21 ¹	---
2"	GFAS26	---
3"	GFAS36	---

¹ part is produced as a welded fabrication

Male NPT



Size	NEW	
	Plated Steel and / or Iron Part #	316 Stainless Steel Part #
3/4"	GMAS6	RGMAS6
1"	GMAS11	---
1 1/4"	GMAS16	---
1 1/2"	GMAS21	---
2"	GMAS26 ¹	---
3"	GMAS36	---

¹ uses a special wing nut, part # B27-1

Boss™ Wing Nut Caps

Features:

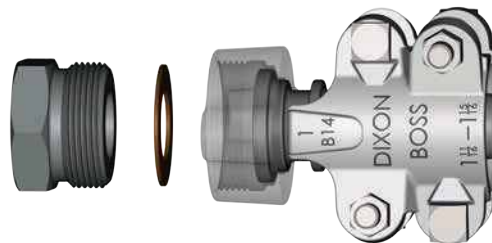
- supplied with 12" chain and washer
- for best results, use with washer style spuds and washers on page 72
- not intended for pressure applications



Size	NEW		Opt Qty
	Plated Steel and / or Iron Part #	316 Stainless Steel Part #	
3/4" and 1"	B12SC	RB12SC	25
1 1/4" and 1 1/2"	B17SC	---	25
2"	B27SC	---	10
3"	B37SC	---	5

Features:

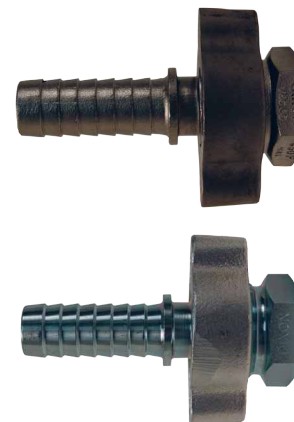
- recommended for steam service up to **450°F (232°C)**
- easy to seal
- Klingersil® C-4401 washer is inserted between the stem and spud
- leakproof seal forms by rotating the wing nut and hammering it tight
- use with Boss™ clamps found on pages 75 - 76
- use with wing nuts found on page 68



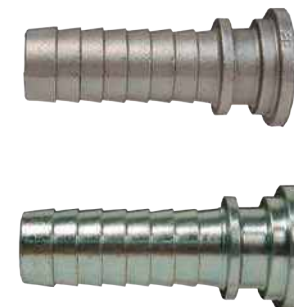
Hose Coupling Systems

BOSS™ Washer Seal Couplings with Female Spud

Hose Shank x NPT	Plated Steel and / or Iron Part #	316 Stainless Steel Part #
3/8"	WF3	---
1/2"	WF6	---
1/2" x 3/4"	WF26-1	---
3/4"	WF26	RWF26
1"	WF36	RWF36
1 1/4"	WF51	RWF51
1 1/2"	WF61	RWF61
2"	WF81 ¹	RWF81 ¹
2 1/2"	WF96	---
3"	WF111	---

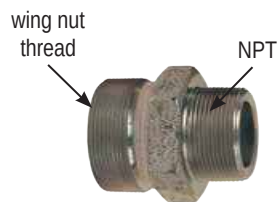
¹ not to be used with #250, #275 or #306 Boss™ clamps**BOSS™ Washer Seal Stems**

Hose Shank x NPT	Plated Steel and / or Iron Part #	Opt Qty	316 Stainless Steel Part #
3/8"	SS337	100	---
1/2"	B1	100	---
1/2" x 3/4"	B6-1	50	---
3/4"	B6	50	RB6
1"	B11	50	RB11
1 1/4"	B16	25	RB16
1 1/2"	B21	25	RB21
2"	B26 ¹	10	RB26 ¹
2 1/2"	B31	5	---
3"	B36	5	---

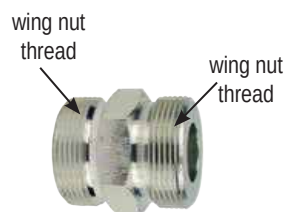
¹ not to be used with #250, #275 or #306 Boss™ clamps**BOSS™ Washer Seal Female Spuds**

Thread Size	Plated Steel and / or Iron Part #	Opt Qty	316 Stainless Steel Part #
3/8"	CC	100	---
1/2"	B3	100	---
3/4"	B8	25	RB8
1"	B13	50	RB13
1 1/4"	B18	25	RB18
1 1/2"	B23	25	RB23
2"	B28	10	RB28
2 1/2"	B33	5	---
3"	B38	5	---



Boss™ Washer Seal Male Spuds

Thread	Plated Steel or Iron Part #
3/8"	WMC ¹
1/2"	WM3 ¹
3/4"	WM8 ¹
1"	WM13 ¹
1 1/4"	WM18 ²
1 1/2"	WM23 ²
2"	WM28 ²
3"	WM38 ²

¹ plated steel² plated iron**Boss™ Washer Seal Double Spuds**

Thread	Plated Steel or Iron Part #
3/8"	---
1/2"	DB3 ¹
3/4"	DB13 ¹
1"	DB13 ¹
1 1/4"	DB23 ²
1 1/2"	DB23 ²
2"	DB28 ²
3"	DB38 ²

¹ plated steel² plated iron**Boss™ Washer Seal Washers**

Size	Nitrile Rubber Bonded, Non-Asbestos Klingsil® C-4401 Part #
3/8"	WBC
1/2"	W2
3/4"	W12
1"	W12
1 1/4"	W17
1 1/2"	W17
2"	W27
2 1/2"	W32
3"	W37

Boss™ Male Stems

Features:

- recommended for steam service up to **450°F (232°C)**
- use with Boss™ clamps on pages 75 - 76 for safety tags and safety tape see page 910

Hose x NPT size	Plated Steel Bar Stock Part #	Opt Qty	Size	Plated Iron Part #	Opt Qty
1/4" x 1/8"	MS4X2	100	---	---	---
1/4" x 1/4"	MSA	100	---	---	---
1/4" x 3/8"	MSB	25	---	---	---
3/8" x 1/4"	MS6X4	100	1 1/4"	MS16	20
3/8" x 3/8"	MSC	100	1 1/2"	MS21	20
3/8" x 1/2"	MS6X8	50	2"	MS26	10
1/2" x 1/4"	MS8X4	50	2 1/2"	MS31	5
1/2" x 3/8"	MS8X6	50	3"	MS36	5
1/2" x 1/2"	MS1	50	4"	MS46	2
1/2" x 3/4"	MS8X12	25	---	---	---
3/4" x 1/2"	MS12X8	25	---	---	---
3/4" x 3/4"	MS6	50	---	---	---
3/4" x 1"	MS12X16	25	---	---	---
1" x 3/4"	MS16X12	25	---	---	---
1" x 1"	MS11	25	---	---	---

Size	316 Stainless Part #	Size	Brass Part #
1/2"	RMS1	---	---
3/4"	RMS6	3/4"	BMS6
1"	RMS11	1"	BMS11
1 1/4"	RMS16	1 1/4"	BMS16
1 1/2"	RMS21	1 1/2"	BMS21
2"	RMS26	2"	BMS26
2 1/2"	RMS31	---	---
3"	---	3"	---



plated steel



plated iron



316 stainless



brass



LP Boss™ Male Stems - Male NPT End

Size	Schedule 40 Plated Steel Part #	Schedule 40 Stainless Steel Part #	Schedule 80 Plated Steel Part #
1¼"	LP16	---	LP16-80 ¹
1½"	LP21	---	LP21-80 ¹
2"	LP26	---	LP26-80 ¹
2½"	LP31	---	---
3"	LP36	RLP36	---
4"	LP46	RLP46	---
6"	LP66	---	---

¹ schedule 80 stems meet NFPA 58

LP Boss™ Male Stems - Beveled End

Size	Schedule 40 Unplated Steel Part #
2"	LPB26
3"	LPB36

Boss™ Hose Menders

Features:

- collars designed to engage gripping fingers of Boss™ clamps
- ¾" - 3" plated iron; ½" plated steel



Size	Part #
½"	M1
¾"	M6
1"	M11
1¼"	M16
1½"	M21
2"	M26
2½"	M31
3"	M36

Boss™ Spud x Hose Shank

Material:

- seat: polymer



Thread	Steel Part #
1"	GH1311
2"	GH2826

Boss™ Clamps

⚠ WARNING

- The bolts used in the Boss™ interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length and material hardness. These bolts can be retorqued, but it is **not** recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon® recommends using only factory supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. *Do not lubricate nuts and bolts.*
- For all Bolt Tightening Sequences, please visit dixonvalve.com

Features:

- recommended for steam service up to **450°F (232°C)**
- recommended torque rating in ft. lbs.
- replacement nuts and bolts are available, contact Dixon® for more information

2 Bolt Type, 2 Gripping Fingers

Hose ID	Hose OD		Zinc Plated Iron Part #	Pkg Qty	Stainless Steel ⁴ Part #	Torque ft. lbs. ²	Brass Part #	Torque
	from	to						
1/4"	36/64"	42/64"	BD³	100	---	6	---	---
3/8"	44/64"	56/64"	CD³	100	---	6	---	---
1/2"	52/64"	60/64"	DD³	100	---	6	---	---
1/2"	60/64"	1-4/64"	B4³	25	RB4	12	BB4	10
1/2"	1-4/64"	1-12/64"	B5	25	---	12	---	---
3/4"	1-10/64"	1-20/64"	BU9³	50	RBU9	21	BBU9	18
3/4"	1-20/64"	1-32/64"	B9	25	RB9	21	---	---
3/4"	1-32/64"	1-44/64"	B10³	25	---	21	---	---

**4 Bolt Type, 2 Gripping Fingers**

Hose ID	Hose OD		Zinc Plated Iron Part #	Pkg Qty	Stainless Steel ⁴ Part #	Torque ² ft. lbs.	Brass Part #	Torque
	from	to						
1"	1-34/64"	1-46/64"	BU14	25	RBU14	21	BBU14	18
1"	1-44/64"	1-60/64"	B14	25	RB14	21	---	---
1"	1-60/64"	2-8/64"	B15	20	---	21	---	---
1 1/4"	1-32/64"	1-50/64"	BU18	20	---	40	---	---
1 1/4"	1-50/64"	2-6/64"	BU19	10	---	40	---	---
1 1/4"	2-8/64"	2-24/64"	B19	10	RB19	40	---	---
1 1/2"	1-52/64"	2"	BU22	10	---	40	---	---
1 1/2"	2"	2-14/64"	B22	10	---	40	---	---
1 1/2"	2-12/64"	2-24/64"	BU24	10	RBU24	40	---	---
1 1/2"	2-24/64"	2-36/64"	B24	10	RB24	40	---	---
1 1/2"	2-36/64"	2-48/64"	B25	10	---	40	---	---
2"	2-22/64"	2-34/64"	BU28	9	---	60	---	---
2"	2-32/64"	2-50/64"	BU29	10	RBU29	60	BBU29¹	40
2"	2-48/64"	3-4/64"	B29	10	RB29	60	---	---
2"	3-6/64"	3-28/64"	B30	5	---	60	---	---
2 1/2"	3-6/64"	3-28/64"	BU34	5	---	60	---	---
2 1/2"	3-32/64"	3-60/64"	B34	5	---	150	---	---
3"	3-32/64"	3-60/64"	BU35	5	RBU35	150	---	---
3"	3-52/64"	4-4/64"	B35	5	---	150	---	---
3"	4-4/64"	4-28/64"	B39	5	---	200	---	---

¹ will become obsolete as inventory is depleted² torque applies to plated iron and stainless steel clamps³ global investment cast carbon steel⁴ When installing stainless steel bolts and nuts, the use of anti-seize or anti-galling lubricant is advised. A light coat is required on the bolt threads to prevent thread galling and artificial torque reading.

Boss™ Clamps

⚠ WARNING

- The bolts used in the Boss™ interlocking clamps are not standard bolts. They vary from standard bolts in their length, diameter, overall thread length and material hardness. These bolts can be retorqued, but it is **not** recommended that the bolts or clamps be reused, as they are designed for a single bend only. Dixon® recommends using only factory supplied replacement bolts.
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance. *Do not lubricate nuts and bolts.*
- for all bolt tightening sequences, please visit dixonvalve.com

Features:

- recommended for steam service up to **450°F (232°C)**
- recommended torque rating in ft. lbs.
- replacement nuts and bolts are available, contact Dixon® for more information

4 Bolt Type, 4 Gripping Fingers

Hose ID	Hose OD		Zinc Plated Iron Part #	Optional Qty	Torque Ft. Lbs.
	from	to			
½"	58/64"	1-2/64"	968	50	6
1"	1-26/64"	1-36/64"	156	20	21
1¼"	1-44/64"	1-56/64"	187	10	21
1½"	1-56/64"	2-4/64"	206	20	21
1½"	2"	2-8/64"	212	10	21
1½"	2-4/64"	2-16/64"	225	10	40
2"	2-16/64"	2-32/64"	250 ¹	10	40
2"	2-32/64"	2-48/64"	275 ¹	10	40
2"	2-48/64"	3-4/64"	306 ¹	5	60
2½"	3-4/64"	3-32/64"	350	5	60
3"	3-32/64"	3-48/64"	375	5	60
3"	3-48/64"	4"	401	5	150
3"	4"	4-12/64"	418	2	200
3"	4-12/64"	4-32/64"	450	2	200

¹ not to be used with GF81, GB26, WF81, B26, RGF81, RGB26, BGF81, RWF81, RB26

**6 Bolt Type, 3 Gripping Fingers**

Hose ID	Hose OD		Zinc Plated Iron Part #	Optional Qty	Torque Ft. Lbs.
	from	to			
3"	4-16/64"	4-52/64"	BS39	2	150
4"	4-40/64"	5"	B45	3	150
4"	4-56/64"	5-16/64"	BS49	2	200
4"	5-16/64"	5-38/64"	BU49	2	200
4"	5-34/64"	5-60/64"	B49	2	200

**6 Bolt Type, 6 Gripping Fingers**

Hose ID	Hose OD		Zinc Plated Iron Part #	Optional Qty	Torque Ft. Lbs.
	from	to			
6"	6-56/64"	7-24/64"	750	1	200
6"	7-32/64"	8"	850	1	200



Ground Joint Air Hammer Couplings with Female Spud**Female Spud****Features:**

- rounded steel head of stem fits concave inserts in spuds for superior sealing
- metal-to-metal copper seat seal
- for use with Boss™ clamps on page 75 -76

Style	NPT Size	Plated Steel / Iron Part #
Compact	1/2"	GDF6
	3/4"	GDF8
Heavy Duty	3/4"	GDF10
	1"	GDF12



Hose Coupling Systems

Stems

Style	Hose ID	Plated Steel Part #
Compact	1/2"	GBA45
	3/4"	GBA46
Heavy Duty	3/4"	GBB18
	1"	GBB11



B

Wing Nuts

Style	Hose ID and NPT Sizes	Coarse Nut Thread	Iron Part #
Compact	1/2"	1-31/64" OD x 8 TPI	J47
	3/4"		J47
Heavy Duty	3/4"	1-47/64" OD x 8 TPI	DLB12
	1"		DLB12

**Female Spuds**

Style	NPT Size	Coarse Nut Thread	Plated Steel w/ Copper seat Part #
Compact	1/2"	1-31/64" OD x 8 TPI	GJ65
	3/4"		GJ55
Heavy Duty	3/4"	1-47/64" OD x 8 TPI	GDL8
	1"		GDL13

**Male Spuds**

Style	Hose ID and NPT Sizes	Coarse Nut Thread	Plated Steel w/ Copper seat Part #
Compact	1/2"	1-31/64" OD x 8 TPI	GJ60
	3/4"		GJ50
Heavy Duty	3/4"	1-47/64" OD x 8 TPI	GDL7
	1"		GDL10

**Double Spuds**

Style	Hose ID and NPT Sizes	Coarse Nut Thread	Plated Steel w/ Copper seat Part #
Compact	1/2"	1-31/64" OD x 8 TPI	GJ75
	3/4"		GJ75
Heavy Duty	3/4"	1-47/64" OD x 8 TPI	GDL25
	1"		GDL25



Dixon® Frac Fittings

Application:

- used in the fast paced transfer of water, chemicals and sand slurry to a hydraulic fracturing site

Features:

- one-piece stem design eliminates the leak path common with two-piece threaded systems
- interchangeable with current fittings; phase them into your operation
- designed to work with Dixon® King Crimp™ sleeves or ferrules.
- 400 PSI** working pressure at **70°F (21°C)** for 3" and 4" sizes; 4:1 safety factor (SF) ¹
- 230 PSI** working pressure at **70°F (21°C)** for 6" size; 4:1 safety factor (SF)
- 150 PSI** working pressure at **70°F (21°C)** for 8" size; 3:1 safety factor (SF)



¹ 400 PSI working pressure with a minimum 4:1 safety factor (*hose burst: hose working pressure*) is only achieved with:

- 3" size uses standard crimp ferrules
- 4" size requires heavy duty (HD) crimp ferrules, CF400-6CSHD through CF400-16CSHD and heavy duty stems

Note: Water and petroleum transfer hoses rated from 100 to 300 PSI WP (4:1 SF) have excellent test results with the standard King Crimp™ ferrules CF400-xxCS.

Materials:

- fittings: machined iron to ASTM standards; all stems zinc plated
- male 3", 4" and 6" NPT fittings are schedule 80 pipe; 8" NPT fittings are schedule 40 pipe; all sizes meet ASTM standards
- nut: forged steel meeting AISI standards

Complete Male / Female Assembly



4"

Size	Figure	Part #
2"	206	NEW HUMF206200CS
3"	100	HUMF100300CS
	206	HUMF206300CS
4"	100	HUMF100400CS
	206	HUMF206400CS
6"	100	HUMF100600CS
	206	HUMF206600CS
8"	100	HUMF100800CS
	206	HUMF206800CS

Female



3" and 4"



8"

Size	Figure	Part #
2"	206	NEW HUF206200CS
3"	100	HUF100300CS
	206	HUF206300CS
4"	100	HUF100400CS
	206	HUF206400CS
6"	100	HUFALL600CS ¹
	206	
8"	100	HUFALL800CS ¹
	206	

¹ meets both figure 100 and 206 dimensional specifications

Dixon® Frac Fittings

Male with Nut

Size	Figure	Part #
2"	206	<i>HUM206200CS</i> ¹ NEW
3"	100	<i>HUM100300CS</i>
	206	<i>HUM206300CS</i> ¹
4"	100	<i>HUM100400CS</i>
	206	<i>HUM206400CS</i> ¹
6"	100	<i>HUM100600CS</i>
	206	<i>HUM206600CS</i> ¹
8"	100	<i>HUM100800CS</i>
	206	<i>HUM206800CS</i> ¹

¹ includes nut and O-ring

3" and 4"



6" and 8"

Hose Coupling
Systems**Suction Service Fittings**

Size	Figure	Description	Forged Steel Part #
5"	50	socket weld x suction male hammer union (includes O-ring, no nut)	<i>HUSM500SW-1</i>
		socket weld x suction female hammer union	<i>HUSF500SW</i>
5"	N/A	split nut, suction and discharge, black	<i>HUS500RN</i>



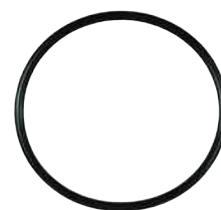
HUSM500SW-1



HUSF500SW

Dixon® Frac Fitting O-rings

Size	Figure	Buna-N Part #
3"	206	<i>O238BU</i>
4"	206	<i>O347BU</i>
6"	206	<i>O440BU</i>
8"	206	<i>O447BU</i>

**King Crimp™ Style Short Frac Ferrules**

Hose ID	Hose OD		Ferrule Wall Thickness	Ferrule ID	Ferrule Overall Length	Carbon Steel Part #
	From	To				
	8-29/64"	8-36/64"	.120"	8.625"	4.25"	<i>CFS800-1CS</i>
	8-37/64"	8-44/64"	.120"	8.750"	4.25"	<i>CFS800-2CS</i>
	8-45/64"	8-52/64"	.120"	8.875"	4.25"	<i>CFS800-3CS</i>
	8-53/64"	8-60/64"	.120"	9.000"	4.25"	<i>CFS800-4CS</i>
	8-61/64"	9-4/64"	.120"	9.125"	4.25"	<i>CFS800-5CS</i>
	9-5/64"	9-12/64"	.120"	9.250"	4.25"	<i>CFS800-6CS</i>
	9-13/64"	9-20/64"	.120"	9.375"	4.25"	<i>CFS800-7CS</i>
	9-21/64"	9-28/64"	.120"	9.500"	4.25"	<i>CFS800-8CS</i>



Dixon® Hammer Union Nuts**One-Piece****Features:**

- long lasting and dependable nut
- all nuts are interchangeable with reliable brands
- cold working pressure: **2,000 PSI**
- 6" and 8" sizes have 4 lug design for more surface area to hammer



Size	Figure	<i>Forged Steel AISI Standards Part #</i>	
2"	206	NEW	HU206200N
3"	100		HU100300N
	206		HU206300N
4"	100		HU100400N
	206		HU206400N
6"	100		HU100600N
	206		HU206600N
8"	100		HU100800N
	206		HU206800N

Two-Piece**Applications:**

- replacement for damaged hammer union nuts
- used with male one-piece flange adapters

Features:

- lug design provides enlarged surface area to hammer
- repair nut is pinned and bolted for perfect alignment
- nut can be installed on pre-existing hammer union assembly
- cold working pressure: **2,000 PSI**
- 4" Figure 200/206 nut is interchangeable with reliable brands
- 6" and 8" Figure 100/200/206 nuts are interchangeable with reliable brands
- available in other series and sizes, contact Dixon®



figure 200 / 206



figure 100

Dixon® recommends using Loctite® Threadlocker Red 271™ when bolting together two-piece hammer union nuts to ensure that bolts do not loosen when in service. Option two is to weld the seams of the split nut. Bolt torque recommendation is 60 foot pounds. 

Size	Figure	<i>Forged Steel AISI Standards Part #</i>
4"	split nut, figure 200/206, blue (includes bolts)	HU200400RN
5"	split nut, suction and discharge, black	HUS500RN
6"	split nut, figure 100, black (includes bolts)	HU100600RN
	split nut, figure 200/206, blue (includes bolts)	HU200600RN
8"	split nut, figure 100, black (includes bolts)	HU100800RN
	split nut, figure 200/206, blue (includes bolts)	HU200800RN

Hammer Union Caps and Plugs

Application:

- Prevents leakage of hydraulic fracturing fluids from hammer union connections used on manifolds and hose assemblies. Hammer union caps and plugs can be used in pressurized service or as dust caps/plugs on site or when transferring equipment.

Features:

- forged steel construction ensures longevity, reliability and performance
- caps are designed with larger lugs for easier installation and disassembling and include a threaded bolt hole for attaching chain or cable
- plugs are designed with larger handle for easier installation and disassembling and include a handle hole to attach chain or cable
- forged steel meets AISI standards

Blanking Caps

Size	Figure	Description	Forged Steel Part #
2"	206	includes nut/plug body, O-ring and retaining ring	NEW HUC206200
4"	206	includes nut/plug body, O-ring and retaining ring blue with nut/plug body and retaining ring with bolt & chain	HUC206400 HUC206400BC
	207	cap only blanking cap with bolt & chain	HUC207400 HUC207400BC
6"	206	includes nut/plug body, o-ring and retaining ring	NEW HUC206600
8"	206	includes nut/plug body, o-ring and retaining ring	HUC206800



HUC207400

Blanking Plugs

Size	Figure	Description	Forged Steel Part #
4"	207	plug only with chain and d-link (shackle/bolt)	HUP207400 HUP207400DC
6"	100/200/206	hammer union, connects to figures 100/200/206	HUPALL600 NEW
8"	100/200/206	hammer union, connects to figures 100/200/206	HUPALL800



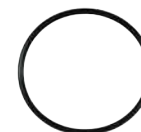
HUP207400



HUPALL600

O-ring

Size	Buna-N Part #
4"	O429BU



Dixon® One-Piece Flange Adapters

Application:

- used in the transfer of water, brine, water-based chemicals, water-based acids, and gelatinous proppant (sand) slurry used at hydraulic fracturing sites
- use with **HU200400RN** two-piece nut

Features:

- flange x female or male hammer union straights (standard or short length)
- 45° elbows in female and male (flange x hammer union)
- no welds or pipe threads to deteriorate and cause premature leakage
- two-piece nut is pinned and bolted for perfect alignment
- all 4" Figure 206 threads are interchangeable with other reliable brands
- 125# flange match the bolt pattern of 150# flange
- iron adapters meet ASTM standards
- forged steel nuts meet AISI standards



HUF206400FLG

NEW

NEW

Flange Adapters - Straight

Size	Figure	Description	Overall Length	Iron Part #
4"	206	female hammer union x 125# flange	5-1/8"	HUF206400FLG
		male hammer union x 125# flange includes nut and Buna-N O-ring	5-9/16" (with nut)	HUM206400FLG
6"	100/200/206 206	125# flange x female hammer union; connects to figures 100/200/206	4-1/2"	HUFALL600FLG
		125# flange x male (includes iron nut and O-ring)	4-15/16"	HUM206600FLG¹
8"	100/200/206 206	125# flange x female hammer union; connects to figures 100/200/206	4-1/2"	HUFALL800FLG
		125# flange x male (includes nut and O-ring)	5-7/32"	HUM206800FLG¹

¹ nut is iron

Flange Adapters - Short



HUM206400FLG-ST

Size	Figure	Description	Overall Length	Iron Part #
4"	206	female hammer union x 125# flange short	3"	HUF206400FLG-ST
		male hammer union x 125# flange short includes nut and Buna-N O-ring	3-13/32"	HUM206400FLG-ST

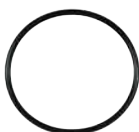
Flange Adapters - 45° Elbow



HUM206400FLG-45

Size	Figure	Description	Overall Length	Iron Part #
4"	206	female hammer union x 125# flange 45° elbow	10-31/32"	HUF206400FLG-45
		male hammer union x 125# flange 45° elbow includes nut and Buna-N O-ring	12-1/32" (with nut)	HUM206400FLG-45

O-ring



Size	Buna-N Part #
4"	O347BU

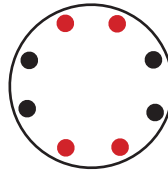
• For flange dimensions, diagrams and additional information please reference dixonvalve.com.

LIBERTY EXHIBIT 1012, Page 84

Dixon® One-Piece Adapters**150# Flange to Weld Adapters****Features:**

- used on a 12" pipe manifold
- easy to weld
- formed butt weld provides accurate alignment
- compatible with other reliable brands

Size	Description	Weldable Cast Steel Part #
4"	150# flange x weld adapter, vertical	WA4FL12X750-1
	150# flange x weld adapter, offset	WA4FL12X750-2
	150# flange x weld adapter, vertical	WA4FL12X1050-1
	150# flange x weld adapter, offset	WA4FL12X1050-2

Vertical Pattern**Offset Pattern**

10½"

Hose Coupling Systems

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

125# Flange x Male NPT

Size	Description	Ductile Iron Part #
4"	125# flange x male NPT	4FAMT
	125# flange x male NPT - long	4FAMTL



4FAMT

Port Adapter

Size	Figure	Description	Iron Part #
2"	206	male NPT x female hammer union	HUF206200MT

**Hammer Union Elbows****Features:**

- no welds or pipe threads to deteriorate and cause premature leakage
- easy to weld to 12" pipe manifolds

Size	Figure	Description	Ductile Iron Part #
4"	206	male hammer union x female hammer union 45° elbow	HUMF20640045
		male hammer union x female hammer union 60° elbow	HUMF20640060
		male hammer union x female hammer union 80° elbow	HUMF20640080
		male hammer union x female hammer union 90° elbow	HUMF20640090



HUMF20640080

Boss™ Low Pressure System Components

Dixon® is committed to improving end user productivity and reducing environmental and safety related incidents on the low pressure side of hydraulic fracturing sites. Boss™ Low Pressure System products are built around the premise; "no welds, no threads, no leaks." The product line is continually expanding, visit dixonvalve.com/bosslps for the latest updates.



Holedall™ Coupling Machines

Rams, are powerful finely engineered machines designed specifically to externally swage and internally expand Holedall™ couplings by hydraulic pressure securely attaching Holedall™ couplings to hose. Since each ram generates all the hydraulic pressure required to attach the Holedall™ coupling, one person can easily operate the equipment.

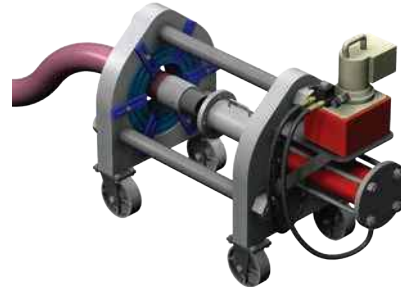
15 Ton Ram



Features:

- for internally expanded couplings only
- can expand 1" through 3" steel fittings and 5/8" through 4" brass Holedall™ Petroleum fittings
- produces up to 10,000 PSI, for up to 15 tons of ram force
- bench mounted model (optional stand available)
- motor: ½ h.p., 115 volt, 60 cycle, single phase with foot pedal

100 Ton Ram



Features:

- for externally swaging Holedall™ fittings to hose, sizes 1¼" through 10" ID
- optional accessories allow the ram to be used for internally expanded couplings on hose from 1" through 6"
- capable of producing up to 100 tons of ram force
- motor: 1½ h.p., 115 volt, 60 cycle, single phase motor is standard with remote, (220/440 volt motors are available)

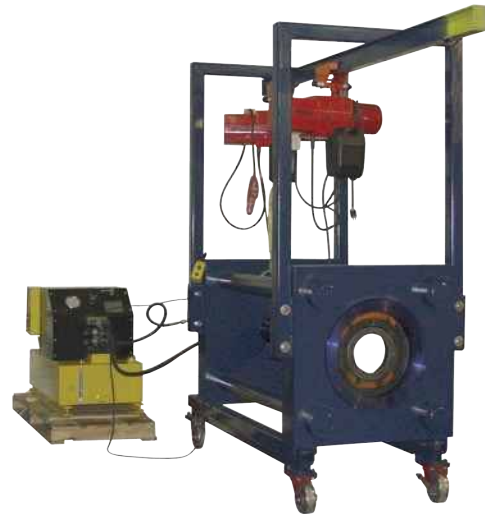
25 Ton Ram



Features:

- can externally swage ¼" through 4" ID hose and internally expand 5/8" through 4" ID hose with proper equipment
- produces up to 10,000 PSI of line pressure for up to 25 tons of ram force
- free standing model
- high speed pump kit option is available
- motor is ½ h.p., 115 volt 60 cycle, single phase with foot pedal

350 Ton Ram



Features:

- for externally swaging Holedall™ and Rotary fittings
- produces up to 354 tons of ram force for swaging
- 14" 150 lb. flange will fit through the bed plate
- ram has 36" of stroke
- motor: 12½ h.p., 230 volt, 60Hz, 3 phase motor is standard with remote

50 Ton Ram



Features:

- can externally swage 1¼" through 6" ID hose and internally expand 1" through 6" ID hose with proper equipment
- produces up to 10,000 PSI, for up to 50 tons of ram force
- bench mounted model (optional stand available)
- motor is 1½ h.p., 115 volt, 60 cycle, single phase, standard with remote, (220/440 volt motors are available)

! All Rams require dies of the proper size to reduce the ferrule to the proper diameter for a good grip on the hose. Pushers of the proper size must be used on the end of the Ram to push the Holedall™ fitting through the die. Die and pusher selection depends on the sizes and types of hoses being coupled. Ferrule recommendations are available upon request. Consult Dixon® for specific details.

Recommended Working Pressures

⚠ WARNING

Holedall™ couplings, regardless of coupling style, are never to be used for steam service at any pressure. Holedall™ fittings listed below are not to be used with cable reinforced high-pressure hose, 4 or 6 braid wire hydraulic hose or any other service not listed in recommendations. In addition, Internally Expanded Holedall™ couplings are not to be used with plastic lined chemical hose. Consult Dixon® for recommendations on usage.

Holedall™ couplings (Externally Swaged), to perform satisfactorily, must be applied properly in accordance with Dixon® assembly procedures, using the correct die and ferrule for that particular hose end OD. The Dixon® Die and Ferrule Recommendation Guide is to be used to select correct dies and ferrules. If you do not have the updated Die and Ferrule Recommendation Guide, consult Dixon®. Strict adherence to ferrule OD range (Internally Expanded) for each hose end to be assembled is essential for satisfactory performance.

Note: Hose service working pressure (including surges and spikes) is never to exceed the maximum recommended working pressure for the fitting (reference chart below) ². Media being transported through the hose should be compatible with the stem material. Compatibility of ferrule material with the environment in which it will be used is recommended. Consult the Compatibility Chart on dixonvalve.com or contact Dixon® for material compatibility. For applications other than the ones listed, please consult Dixon®.

Size	Externally Swaged				Internally Expanded			
	Standard Fittings ¹	Long Style Fittings ¹	Light Duty Fittings		Cam and Groove ¹	Holedall™ DIN Crimp Stems ¹	Internally Expanded ¹	Flow Chief / Crimp Sanitary Fittings ¹
			NO Notched Fittings ¹	NOS Notched Short Fittings ¹				
	TM, TP, TG, TMR, TPR, TGR	TML, TPL, TGL	TM, TP, TG, RN•••NO	RST•••NOS, STC•••NOS, GAS•••NOS		HA••••	IXM, IXV, IXH	IXSE, IXFS, IXMS, CSSR
3/4"	---	---	---	---	---	---	---	---
1"	---	---	---	---	250	---	---	---
1 1/4"	600	1,000	350	---	---	---	800	---
1 3/8"	---	---	---	---	---	---	---	---
1 1/2"	600	1,000	350	250	250	145	800	250
2"	600	1,000	350	250	250	145	800	250
2 1/2"	600	1,000	250	---	150	---	600	250
3"	600	1,000	250	250	125	145	600 ³	250
4"	500	850	250	⁴	100	---	500 ³	200
5"	450	750	---	---	---	---	---	---
6"	400	700	---	---	---	---	400	---
8"	350	600	---	---	---	---	---	---
10"	300	550	---	---	---	---	---	---

¹ maximum recommended working pressures, in PSI, given at **70°F** ambient temperature

² The assembly's (hose + coupling) maximum working pressure is the lesser of:

- 1) The hose rated working pressure, or
- 2) The coupling rated working pressure

³ For hoses which use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon® for working pressures. See notes below for specific recommendations.

⁴ Contact Dixon® for pressure recommendations

Standard Fittings

Recommended for use on most one and two wire braid reinforced hoses, fiber reinforced (braided or spiraled) with or without helical wire such as: oil suction and discharge hose, barge and dock loading and unloading hose as well as LP gas hose, anhydrous ammonia hose, acid chemical hose and high pressure air and water hose.

Long Style Fittings

Recommended for use on hose as listed under standard fittings where additional retention is required due to higher working pressures or end pull. Consult maximum working pressure chart or call Dixon®.

Light Duty Fittings

Recommended for use in the same applications as standard fittings above where lower working pressures are encountered. Consult maximum working pressure chart or consult Dixon®.

Internally Expanded Fittings

Recommended for concrete placement, grout and plaster, food, dairy, pharmaceutical as well as other applications where increased flow capacity is important. Consult maximum working pressure chart or call Dixon® for additional application and working pressure information.



Holedall™ External Swage Coupling System

The Holedall™ coupling system provides outstanding strength, durability and safety.

The Holedall™ system is a method of attaching couplings to hose utilizing a progressive swage. The patented Holedall™ couplings include a Holedall™ stem and a specially engineered ferrule. The hydraulic swaging of the coupling to the hose is accomplished by pushing the ferrule through a die which reduces the ferrule OD, thus providing a 360° uninterrupted compression band around the hose.

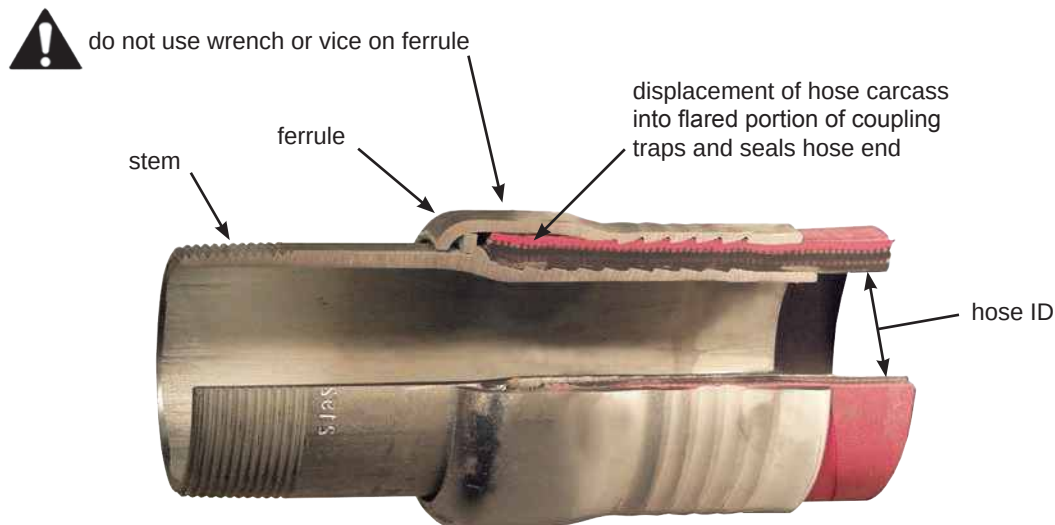
A hydraulic ram is the only piece of machinery necessary to accomplish the coupling. Available in five different sizes - 15, 25, 50, 100 and 350 ton see page 85 - these rams will accommodate dies and pushers of various sizes so that hoses up to 10" in diameter may be coupled.

This multi-purpose, high pressure coupling system requires no bolts and results in a clean coupling with no protrusions. The swaging operation is fast and hose of various lengths and different styles can be coupled. Ease of operation, flexibility and economy make the Holedall™ method an unequalled assembly system.

Features:

- provides long-lasting efficiency and safety
- lightweight coupling consisting of ferrule and stem
- streamlined, no protrusions to snag on equipment
- available in stainless steel and carbon steel
- available in multiple configurations: pipe thread, plain end, grooved or flanged ends

Holedall™ stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances, for safety reasons, do not use other manufacturer's stems or ferrules with Holedall™ products. 



cross-section of Holedall™ externally swaged assembly

External Swage Stems**Male NPT End Tubular Type****Features:**

- designed for hose ID's 1¼" - 10", ferrule size depends on the hose OD, refer to page 91 to select the correct ferrule
- for higher working pressure applications use long style stems and ferrules



Hose ID	Plated Carbon Steel Part #	316 Stainless Part #	Long Style Carbon Steel Part #
1¼"	TM20	TMR20	TML20
1½"	TM24	TMR24	TML24
2"	TM32	TMR32	TML32
2½"	TM40	TMR40	TML40
3"	TM48	TMR48	TML48
4"	TM64	TMR64	TML64
5"	TM80	---	TML80
6"	TM96 TMR96-42	TMR96 ---	TML96 ---
8"	TM128	---	TML128
10"	TM160	---	---

Beveled End for Welding

Hose ID	Unplated Carbon Steel Part #	316 Stainless Steel Part #	Long Style Unplated Carbon Steel Part #
1¼"	TP20	---	TPL20
1½"	TP24	---	TPL24
2"	TP32	TPR32	TPL32
2½"	TP40	---	TPL40
3"	TP48	TPR48	TPL48
4"	TP64	TPR64	TPL64
5"	TP80	---	TPL80
6"	TP96	---	TPL96
8"	TP128	---	TPL128
10"	TP160	---	TPL160

Grooved End

Hose ID	Plated Carbon Steel Part #	316 Stainless Part #	Long Style Plated Carbon Steel Part #
1¼"	TG20	---	TGL20
1½"	TG24	TGR24	TGL24
2"	TG32	TGR32	TGL32
2½"	TG40	TGR40	TGL40
3"	TG48	TGR48	TGL48
4"	TG64	TGR64	TGL64
5"	TG80	---	TGL80
6"	TG96	---	TGL96
8"	TG128	---	TGL128
10"	TG160	---	TGL160

Special Holedall™ Stems

Hose ID	Material	Thread	Part #
4"	carbon steel	NPT	TM64-42
4"	carbon steel	NPT	TML64-42
6"	unplated carbon steel	NPT	TM96-42
6"	316 stainless	NPT	TMR96-42
6"	carbon steel	NPT	TML96-42
6"	unplated carbon steel	beveled	TP96-42
6"	316 stainless	beveled	TPR96-42
6"	carbon steel	grooved	TGL96-42
6"	carbon steel	grooved	TG96-42
8"	unplated carbon steel	NPT	TM128-42
8"	carbon steel	beveled	TP128-42
8"	carbon steel	grooved	TG128-42

- use with external swage ferrules on page 91



Hose Coupling Systems

External Swage**Flange Assemblies****Features:**

- 150# ASA flange drilling available with carbon steel stem, flange and ferrule, or with 316 stainless steel stem and flange and carbon steel ferrule
- available in other sizes, consult Dixon®

Fixed Flange

Hose ID	Hose OD		Carbon Steel	Stainless Steel
	From	To	Part #	Part #
2"	2-28/64"	2-40/64"	32P1SO15	R32P1SOR15
	2-41/64"	2-48/64"	32P2SO15	R32P2SOR15
	2-49/64"	2-56/64"	32P3SO15	R32P3SOR15
3"	3-30/64"	3-40/64"	48P1SO15	R48P1SOR15
	3-41/64"	3-48/64"	48P2SO15	R48P2SOR15
	3-49/64"	3-56/64"	48P3SO15	R48P3SOR15
4"	4-40/64"	4-44/64"	64P1SO15	R64P1SOR15
	4-45/64"	4-52/64"	64P2SO15	R64P2SOR15
	4-53/64"	4-60/64"	64P3SO15	R64P3SOR15
6"	7"	7-4/64"	96P1SO15	R96P1SOR15
	7-5/64"	7-12/64"	96P2SO15	R96P2SOR15
	7-13/64"	7-20/64"	96P3SO15	R96P3SOR15
8"	9-20/64"	9-24/64"	128P1SO15	---
	9-25/64"	9-32/64"	128P2SO15	---
	9-33/64"	9-40/64"	128P3SO15	---

**Floating Flange**

Hose ID	Hose OD		Carbon Steel	Stainless Steel
	From	To	Part #	Part #
2"	2-28/64"	2-40/64"	32P1LJ15	R32P1LJR15
	2-41/64"	2-48/64"	32P2LJ15	R32P2LJR15
	2-49/64"	2-56/64"	32P3LJ15	R32P3LJR15
3"	3-30/64"	3-40/64"	48P1LJ15	R48P1LJR15
	3-41/64"	3-48/64"	48P2LJ15	R48P2LJR15
	3-49/64"	3-56/64"	48P3LJ15	R48P3LJR15
4"	4-40/64"	4-44/64"	64P1LJ15	R64P1LJR15
	4-45/64"	4-52/64"	64P2LJ15	R64P2LJR15
	4-53/64"	4-60/64"	64P3LJ15	R64P3LJR15
6"	7"	7-4/64"	96P1LJ15	R96P1LJR15
	7-5/64"	7-12/64"	96P2LJ15	R96P2LJR15
	7-13/64"	7-20/64"	96P3LJ15	R96P3LJR15
8"	9-20/64"	9-24/64"	128P1LJ15	---
	9-25/64"	9-32/64"	128P2LJ15	---
	9-33/64"	9-40/64"	128P3LJ15	---



- For flange dimensions, diagrams and additional information please reference dixonvalve.com



External Swage Stems - Female End

Hose Coupling
Systems


two piece design
1"



one piece design
1 1/4" - 2"

Size	Hose OD		Plated Carbon Steel Part #
	from	to	
1"	1-30/64"	1-34/64"	TF16WF1-80
	1-34/64"	1-38/64"	TF16WF2-80
	1-35/64"	1-42/64"	TF16WF3-80
1 1/4"	1-44/64"	1-48/64"	TF20WF1-80 ¹
	1-49/64"	1-56/64"	TF20WF2-80 ¹
	1-57/64"	2"	TF20WF3-80 ¹
2"	2-36/64"	2-40/64"	TF32WF1-80 ¹
	2-41/64"	2-48/64"	TF32WF2-80 ¹
	2-49/64"	2-56/64"	TF32WF3-80 ¹

¹ Special pusher required for 1 1/4" and 2" sizes: 1 1/4" **25PUSH125-MOD**, 2" **25PUSH200MOD**

External Swage Uni-Range Male Couplings

Applications:

- Recommended for use on most one or two wire braid reinforced hoses, fiber reinforced (braided or spiral) with or without helical wire such as chemical, high pressure air and water hoses, and LP gas hoses.

Features:

- designed for smaller hose systems, hose ID's of 1/4" - 1"
- shipped complete with factory assembled stem and ferrule combination
- can be swaged or crimped
- stainless steel stems are investment cast
- other hose OD's available, consult Dixon®



Hose ID	Hose ID		Plated Carbon Steel Part #	Stainless / Carbon Steel Part #	Stainless Steel Part #
	From	To			
1/4"	34/64"	38/64"	4P1	---	---
	38/64"	42/64"	4P2	---	---
	42/64"	46/64"	4P3	---	---
3/8"	46/64"	50/64"	6P1	---	---
	50/64"	54/64"	6P2	---	---
	54/64"	58/64"	6P3	---	---
1/2"	54/64"	58/64"	8P1	---	---
	58/64"	62/64"	8P2	---	R8P2SS
	62/64"	1-2/64"	8P3	---	---
3/4"	1-6/64"	1-12/64"	---	---	R12P1250
	1-10/64"	1-14/64"	12P1	R12P1	---
	1-13/64"	1-22/64"	---	---	R12P1370
	1-14/64"	1-18/64"	12P2	R12P2	---
	1-18/64"	1-22/64"	12P3	R12P3	---
1"	1-30/64"	1-34/64"	16P1	R16P1	---
	1-30/64"	1-38/64"	---	---	R16P1620
	1-34/64"	1-38/64"	16P2	R16P2	---
	1-38/64"	1-42/64"	16P3	R16P3	---
	1-38/64"	1-46/64"	---	---	R16P1770
	1-42/64"	1-46/64"	16P4	R16P4	---

External Swage Ferrules

The selection of ferrules is very important to achieve the proper coupling-to-hose assembly. For assistance in proper selection contact Dixon®.

Features:

- plated carbon steel
- style F ferrules are used with all standard length stems, page 88
- style FL ferrules are extra long and are used with all long style stems, page 88

Size	Hose OD		Plated Carbon Steel	Plated Carbon Steel
	From	To	Part #	Long Style Part #
1¼"	1-44/64"	1-48/64"	F20-1	FL20-1
	1-49/64"	1-56/64"	F20-2	FL20-2
	1-57/64"	2"	F20-3	FL20-3
	2-1/64"	2-8/64"	F20-4	FL20-4
	2-15/64"	2-16/64"	F20-5	FL20-5
1½"	2-17/64"	2-24/64"	F24-1	FL24-1
	2-25/64"	2-32/64"	F24-2	FL24-2
	2-28/64"	2-40/64"	F24-3	FL24-3
	2-31/64"	2-48/64"	F24-4	FL24-4
	2-35/64"	2-56/64"	F24-5	FL24-5
2"	2-37/64"	3-2/64"	F32-1	FL32-1
	2-41/64"	3-8/64"	F32-2	FL32-2
	2-49/64"	3-16/64"	F32-3	FL32-3
	2-57/64"	3-24/64"	F32-4	FL32-4
	3-1/64"	3-32/64"	F40-1	FL40-1
2½"	3-9/64"	3-40/64"	F40-2	FL40-2
	3-17/64"	4-8/64"	F40-3	FL40-3
	3-25/64"	4-16/64"	F40-4	FL40-4
	3-33/64"	4-24/64"	F40-5	FL40-5
	3-41/64"	4-32/64"	F48-1	FL48-1
3"	3-49/64"	4-40/64"	F48-2	FL48-2
	3-57/64"	4-48/64"	F48-3	FL48-3
	4-1/64"	4-56/64"	F48-4	FL48-4
	4-9/64"	4-64/64"	F48-5	FL48-5
	4-17/64"	5-2/64"	F64-Z ¹	FL64-Z ¹
4"	4-25/64"	5-8/64"	F64-1	FL64-1
	4-33/64"	5-16/64"	F64-2	FL64-2
	4-41/64"	5-24/64"	F64-3	FL64-3
	4-49/64"	5-32/64"	F64-4	FL64-4
	4-57/64"	5-40/64"	F64-5	FL64-5
5"	5-1/64"	5-48/64"	F64-6	FL64-6
	5-9/64"	5-56/64"	F64-7	FL64-7
	5-17/64"	6-2/64"	F64-8	FL64-8
	5-25/64"	6-10/64"	F80-1	FL80-1
	5-33/64"	6-18/64"	F80-2	FL80-2
6"	5-41/64"	6-26/64"	F80-3	FL80-3
	5-49/64"	6-34/64"	F80-4	FL80-4
	5-57/64"	6-42/64"	F80-5	FL80-5
	6-3/64"	6-50/64"	F80-6	FL80-6
	6-11/64"	7-4/64"	F80-7	FL80-7
7"	6-19/64"	7-12/64"	F96-Z ¹	FL96-Z ¹
	6-27/64"	7-20/64"	F96-1	FL96-1
	6-35/64"	7-28/64"	F96-2	FL96-2
	6-43/64"	7-36/64"	F96-3	FL96-3
	6-51/64"	7-44/64"	F96-4	FL96-4
8"	6-59/64"	7-52/64"	F96-5	FL96-5
	7-7/64"	8-0/64"	F96-6	FL96-6
	7-15/64"	8-8/64"	F96-7	FL96-7
	7-23/64"	8-16/64"	F96-8	FL96-8
	7-31/64"	8-24/64"	F96-9	FL96-9
9"	7-39/64"	8-32/64"	F128-X ¹	---
	7-47/64"	8-40/64"	F128-Y	FL128-Y
	7-55/64"	8-48/64"	F128-1	FL128-1
	8-3/64"	8-56/64"	F128-2	FL128-2
	8-11/64"	9-2/64"	F128-3	FL128-3
10"	8-19/64"	9-10/64"	F128-4	FL128-4
	8-27/64"	9-18/64"	F128-5	FL128-5
	8-35/64"	9-26/64"	F128-6	FL128-6
	8-43/64"	9-34/64"	F128-7	FL128-7
	8-51/64"	9-42/64"	F160-1	FL160-1
11"	8-59/64"	9-50/64"	F160-2	FL160-2
	9-7/64"	10-8/64"	F160-3	FL160-3
	9-15/64"	10-16/64"	F160-4	FL160-4
	9-23/64"	10-24/64"	F160-5	FL160-5
	9-31/64"	10-32/64"	F160-6	FL160-6



long style

¹ requires use with special stems on page 89

- for applications with hose OD ranges not listed, contact Dixon®



External Swage Ferrules - Light Duty

Features:

- for use with standard length stems styles TMR, TPR, and TGR series on pages 88 - 89
- consult Dixon® for die recommendations, go to dixonvalve.com for specific pressure recommendations



Hose ID	Hose OD		304 Stainless Steel Part #
	From	To	
1½"	1-60/64"	2-12/64"	GAS2334TO
	2-4/64"	2-22/64"	GAS2370TO
2"	2-30/64"	2-44/64"	GAS2709TO
	2-42/64"	2-54/64"	GAS2885TO
3"	3-30/64"	3-46/64"	GAS3760TO
	3-47/64"	3-54/64"	GAS3885TO
4"	4-40/64"	4-47/64"	GAS5010TO

External Swage High Pressure Couplings

Applications:

- Intended for services requiring a fitting to withstand extremely high pressures (up to **3,000 PSI at 70°F [21°C]**) and severe operating conditions including: small and medium size drilling rigs, slim hole applications and core drill, workover, seismograph, water well, blast or shot holes.

Features:

- sold as a complete coupling (stem and matching ferrule)
- must provide hose OD when ordering for a properly sized ferrule; make sure both ends of the hose are measured for OD
- must be swaged with 50 Ton or 100 Ton Ram
- API and NPT sizes are interchangeable
- stems are machined from seamless pipe and tubing with specially designed serrations
- ferrules are machined from a heavy wall material incorporating matching serrations

Stem and Ferrule Complete Assemblies

- an accurate hose OD must be provided to complete the part # and to ensure proper retention

Male NPT Thread Coupling Units

Hose ID	NPT Size	Zinc Plated Steel Part #
2"	2"	LM32-*
2½"	2½"	LM40-*
3"	3"	LM48-*



Male API Thread Coupling Units

Hose ID	API Size	Zinc Plated Steel Part #
2"	2½"	LM3240- *
2½"	3"	LM4048- *
3"	4"	LM4864- *

Internal Expansion Coupling System

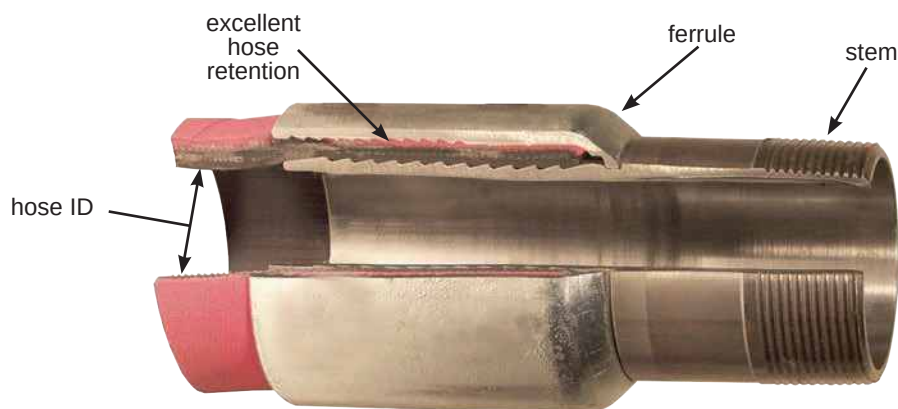
Applications:

- Essential in applications requiring maximum flow including: concrete pump hose, plaster and grout hose, oil suction and discharge hose, multi-purpose heavy duty air hose, jetting hose, barge loading hose and bottom loading hose.

Features:

- maximum flow of media
- reduction of turbulence through hose
- excellent sealing and retention characteristics
- outperforms band clamps
- easy and consistent installation
- only one expansion tool is needed for each hose ID
- available end configurations: male NPT, grooved, others available contact Dixon®

Holedall™ stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances, for safety reasons, do not use other manufacturer's stems or ferrules with Holedall™ products. 



Cross-section of Holedall™ internally expanded assembly

Male Pipe Threaded End Stems

Size	Working PSI ¹	Carbon Steel Part #
1"	---	<i>IXM16</i>
1¼"	800	<i>IXM20</i>
1½"	800	<i>IXM24</i>
2"	800	<i>IXM32</i>
2½"	600	<i>IXM40</i>
3"	600 ²	<i>IXM48</i>
4"	500 ²	<i>IXM64</i>
6"	400	<i>IXM96</i>



¹ maximum recommended working pressures at 70°F (21°C) ambient temperature

² For hoses which use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon® for working pressures. See page 86 for specific recommendations.

Heavy Duty Raised End Stems

Size	Working PSI ¹	Carbon Steel Part #
1½"	800	<i>IXH24</i>
2"	800	<i>IXH32</i>
2½"	600	<i>IXH40</i>
3"	600 ²	<i>IXH48</i>
4"	500 ²	<i>IXH64</i>



¹ maximum recommended working pressures at 70°F (21°C) ambient temperature

² For hoses which use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon® for working pressures. See page 86 for specific recommendations.

Internal Expansion Coupling System

Grooved End Stems



Size	Working PSI ¹	Carbon Steel Part #
1¼"	800	IXV20
1½"	800	IXV24
2"	800	IXV32
2½"	600	IXV40
3"	600 ²	IXV48
4"	500 ²	IXV64

¹ maximum recommended working pressures at 70°F (21°C) ambient temperature

² For hoses which use IXF48-3 to IXF48-5 and IXF64-2 to IXF64-5, consult Dixon® for working pressures. See page 86 for specific recommendations.

Internal Expansion Ferrules



Hose ID	Hose OD		Ferrule ID	Plated Carbon Steel Part #
1"	1-24/64"	1-28/64"	1-7/16"	IXF16-1
	1-28/64"	1-32/64"	1-1/2"	IXF16-2
	1-32/64"	1-36/64"	1-9/16"	IXF16-3
1¼"	1-40/64"	1-44/64"	1-11/16"	IXF20-Z
	1-44/64"	1-48/64"	1-3/4"	IXF20-1
	1-48/64"	1-52/64"	1-13/16"	IXF20-2
	1-52/64"	1-56/64"	1-7/8"	IXF20-3
	1-56/64"	1-60/64"	1-15/16"	IXF20-4
	1-60/64"	2"	2"	IXF20-5
	2"	2-4/64"	2-1/16"	IXF20-6
1½"	1-56/64"	1-60/64"	1-15/16"	IXF24-Z
	1-60/64"	2"	2"	IXF24-1
	2"	2-4/64"	2-1/16"	IXF24-2
	2-4/64"	2-8/64"	2-1/8"	IXF24-3
	2-8/64"	2-12/64"	2-3/16"	IXF24-4
	2-12/64"	2-16/64"	2-1/4"	IXF24-5
	2-16/64"	2-20/64"	2-5/16"	IXF24-6
	2-20/64"	2-24/64"	2-3/8"	IXF24-7
2"	2-32/64"	2-36/64"	2-9/16"	IXF32-Y
	2-36/64"	2-40/64"	2-5/8"	IXF32-Z
	2-40/64"	2-44/64"	2-11/16"	IXF32-1
	2-44/64"	2-48/64"	2-3/4"	IXF32-2
	2-48/64"	2-52/64"	2-13/16"	IXF32-3
	2-52/64"	2-56/64"	2-7/8"	IXF32-4
	2-56/64"	2-60/64"	2-15/16"	IXF32-5
	2-60/64"	3"	3"	IXF32-6
	3"	3-4/64"	3-1/16"	IXF32-7
	3-4/64"	3-8/64"	3-1/8"	IXF40-1
2½"	3-8/64"	3-12/64"	3-3/16"	IXF40-2
	3-12/64"	3-16/64"	3-1/4"	IXF40-3
	3-16/64"	3-20/64"	3-5/16"	IXF40-4
	3-20/64"	3-24/64"	3-3/8"	IXF40-5
	3-24/64"	3-28/64"	3-7/16"	IXF40-6
	3-28/64"	3-32/64"	3-1/2"	IXF40-7
				IXF40-8

Hose ID	Hose OD		Ferrule ID	Plated Carbon Steel Part #
3"	3-32/64"	3-36/64"	3-9/16"	IXF48-T
	3-36/64"	3-40/64"	3-5/8"	IXF48-U
	3-40/64"	3-44/64"	3-11/16"	IXF48-V
	3-44/64"	3-48/64"	3-3/4"	IXF48-W
	3-48/64"	3-52/64"	3-13/16"	IXF48-X
	3-52/64"	3-56/64"	3-7/8"	IXF48-Y
	3-56/64"	3-60/64"	3-15/16"	IXF48-Z
	3-60/64"	4"	4"	IXF48-1
	4"	4-4/64"	4-1/16"	IXF48-2
	4-4/64"	4-8/64"	4-1/8"	IXF48-3 ¹
4"	4-8/64"	4-12/64"	4-3/16"	IXF48-4 ¹
	4-12/64"	4-16/64"	4-1/4"	IXF48-5 ¹
	4-36/64"	4-40/64"	4-5/8"	IXF64-T
	4-40/64"	4-44/64"	4-11/16"	IXF64-U
	4-44/64"	4-48/64"	4-3/4"	IXF64-V
	4-48/64"	4-52/64"	4-13/16"	IXF64-W
	4-52/64"	4-56/64"	4-7/8"	IXF64-X
	4-56/64"	4-60/64"	4-15/16"	IXF64-Y
	4-60/64"	5"	5"	IXF64-Z
	5"	5-4/64"	5-1/16"	IXF64-1
6"	5-4/64"	5-8/64"	5-1/8"	IXF64-2 ¹
	5-8/64"	5-12/64"	5-3/16"	IXF64-3 ¹
	5-12/64"	5-16/64"	5-1/4"	IXF64-4 ¹
	5-16/64"	5-20/64"	5-5/16"	IXF64-5 ¹
	6-40/64"	6-44/64"	6-11/16"	IXF96-1
	6-44/64"	6-48/64"	6-3/4"	IXF96-2
	6-48/64"	6-52/64"	6-25/32"	IXF96-3
	6-52/64"	6-56/64"	6-13/16"	IXF96-4
	6-56/64"	6-60/64"	6-7/8"	IXF96-5
	6-60/64"	7"	6-15/16"	IXF96-6
7"	7"	7-4/64"	7"	IXF96-7
	7-4/64"	7-8/64"	7-1/16"	IXF96-8
	7-8/64"	7-12/64"	7-1/8"	IXF96-9
	7-12/64"	7-16/64"	7-3/16"	IXF96-10
	7-16/64"	7-20/64"	7-1/4"	IXF96-11
	7-20/64"	7-24/64"	7-5/16"	IXF96-12
	7-24/64"	7-28/64"	7-11/32"	IXF96-13
	7-28/64"	7-32/64"	7-3/8"	IXF96-14

¹ for hoses using ferrule sizes IXF48-3 thru IXF48-5 and IXF64-2 thru IXF64-5, consult Dixon® for working pressures

• for use with IX stems on pages 93 - 94



Scovill Style Couplings

Applications:

- recommended for discharge and suction service; commonly used in the transfer of fuel to homes, airplanes, ships, etc.
- intended for fuel delivery service, see page 97 for information on API 1529 certification

Features:

- male and female stems are machined from bar stock or solid brass forgings; ferrules are available in brass and stainless steel
- compact, lightweight and streamlined to eliminate catching on curbs and shrubs
- stems and ferrules are designed to be used together as a coupling system
- stem is expanded to nominal ID of hose for a rigid, uniform, full-flow area
- all fittings have octagonal facets for tightening with a wrench; females in 1½" and larger sizes have lugs for tightening
- pre-lubricated for assembly
- designed for internal expansion only
- hand and electrically operated installation equipment is available, consult Dixon® for pricing and availability
- working pressure varies with the size of the fitting, the size and construction of the hose and the media being conveyed, consult Dixon® for recommendations
- do not interchange with other manufacturers



Permanent Male Couplings

Size	Thread	Brass Part #
¾"	NPT	H5192
1"	NST	H5212NST
1¼"	NPT	H5222-A
1⅜"	NPT	H5272 ¹
1½"	NST	H5232NST
2"	NPT	H5242
2½"	NPT	H5252
3"	NPT	H5262

¹ 1⅜" stem has 1½" thread



Permanent Female Couplings

Size	Thread	Brass Part #
¾"	NPSH	H5191-BU
1"	NST	H5211NST
1¼"	NPSH	H5221-A-BU
1⅜"	NPSH	H5271-BU ¹
1½"	NST	H5231NST ²
2"	NPSH	H5241-BU
2½"	NPSH	H5251 ³
3"	NPSH	H5261 ³

¹ 1⅜" stem has 1½" thread

² 1½" NST requires special adapter, part # **H5231NSTADT**

³ 2½" and 3" parts have female NPSM thread



Permanent Grooved Couplings

Size	Brass Part #
1"	G5212
1½"	G5232
2"	G5242
2½"	G5252



Scovill Style Series**Ferrules****Features:**

- Eliminates the need for a large stock of coupling bodies. With a wide range of sizes available, you can build the perfect assembly of a coupling to a corresponding hose size with commercial tolerances, regardless of wall thickness
- for use with Scovill style couplings on page 95



Hose ID	Hose OD		Brass Part #
	From	To	
¾"	1-4/64"	1-7/64"	R75AAAS
	1-8/64"	1-11/64"	R75AAS
	1-12/64"	1-14/64"	R75AS
	1-15/64"	1-17/64"	R75BS
	1-18/64"	1-20/64"	R75CS
1⅜"	1-47/64"	1-50/64"	R1375BS
	1-51/64"	1-54/64"	R1375CS
	1-55/64"	1-58/64"	R1375DS
	1-59/64"	1-62/64"	R1375ES
1½"	2-25/64"	2-28/64"	R15GS ¹
2"	2-27/64"	2-30/64"	R2AAS
	2-31/64"	2-34/64"	R2AS
	2-35/64"	2-38/64"	R2BS
	2-39/64"	2-42/64"	R2CS
	2-43/64"	2-46/64"	R2DS
	2-47/64"	2-50/64"	R2ES
	2-51/64"	2-54/64"	R2FS
2½"	2-62/64"	3-1/64"	R25AS
	3-2/64"	3-6/64"	R25BS
	3-7/64"	3-11/64"	R25CS
	3-12/64"	3-16/64"	R25DS
	3-17/64"	3-21/64"	R25ES
	3-22/64"	3-26/64"	R25FS
3"	3-30/64"	3-34/64"	R3AAAS
	3-35/64"	3-39/64"	R3AAS
	3-40/64"	3-45/64"	R3AS
	3-46/64"	3-50/64"	R3BS
	3-51/64"	3-54/64"	R3CS

¹ will be replaced by API ferrules

API Certified Permanently Attached Petroleum Male **Couplings****Male Couplings****Feature:**

- Tested and compliant with API 1529 6th edition. Coupling procedures, ferrule recommendations and API test data are available upon request, please contact Dixon® at engineering@dixonvalve.com.

Size	Thread Type	Brass Part #
1"	NPT	<i>H5212-A</i>
1¼"	NPT	<i>H5222-A</i>
1½"	NPT	<i>H5232-A</i>
2"	NPT	<i>H5242L-A</i>
2½"	NPT	<i>H5252L-A</i>
3"	NPT	<i>H5262L-A</i>
4"	NPT	<i>H5282L-A</i>

Hose Coupling
Systems

B

Female Couplings

Size	Thread Type	Brass Part #
1"	NPSH	<i>H5211-A-BU</i>
1¼"	NPSH	<i>H5221-A-BU</i>
1½"	NPSH	<i>H5231-A-BU</i>
2"	NPSH	<i>H5241L-A-BU</i>
2½"	NPSM	<i>H5251L-A-BU</i>
3"	NPSM	<i>H5261L-A-BU</i>
4"	NPSM	<i>H5281L-A-BU</i>



API Certified Series Ferrules

Hose ID	Hose OD		Brass Part #	304 Stainless Steel Part #
	From	To		
1"	1-24/64"	1-26/64"	R1AAAS-A	---
	1-27/64"	1-29/64"	R1AAS-A	---
	1-30/64"	1-32/64"	R1AS-A	---
	1-33/64"	1-35/64"	R1BS-A	---
	1-36/64"	1-38/64"	R1CS-A	---
	1-39/64"	1-41/64"	R1DS-A	---
	1-42/64"	1-44/64"	R1ES-A	---
1 1/4"	1-39/64"	1-42/64"	R125AAS-A	---
	1-43/64"	1-46/64"	R125AS-A	---
	1-47/64"	1-50/64"	R125BS-A	---
	1-51/64"	1-54/64"	R125CS-A	---
	1-55/64"	1-58/64"	R125DS-A	---
	1-59/64"	1-62/64"	R125ES-A	---
1 1/2"	1-54/64"	1-57/64"	R15AAAS-A	---
	1-58/64"	1-62/64"	R15AAS-A	---
	1-63/64"	2-2/64"	R15AS-A	---
	2-3/64"	2-6/64"	R15BS-A	---
	2-7/64"	2-11/64"	R15CS-A	---
	2-12/64"	2-14/64"	R15DS-A	---
	2-15/64"	2-19/64"	R15ES-A	---
	2-20/64"	2-24/64"	R15FS-A	---
	2-31/64"	2-34/64"	---	R2ASS-A
	2-35/64"	2-38/64"	---	R2BSS-A
2"	2-39/64"	2-42/64"	---	R2CSS-A
	2-43/64"	2-46/64"	---	R2DSS-A
	2-47/64"	2-50/64"	---	R2ESS-A
2 1/2"	2-62/64"	3-1/64"	---	R25ASS-A
	3-2/64"	3-6/64"	---	R25BSS-A
	3-7/64"	3-11/64"	---	R25CSS-A
	3-12/64"	3-16/64"	---	R25DSS-A
	3-17/64"	3-21/64"	---	R25ESS-A
3"	3-35/64"	3-39/64"	---	R3AASS-A
	3-40/64"	3-45/64"	---	R3ASS-A
	3-46/64"	3-50/64"	---	R3BSS-A
	3-51/64"	3-54/64"	---	R3CSS-A
	3-55/64"	3-59/64"	---	R3DSS-A
4"	4-46/64"	4-48/64"	---	R4ESS-A
	4-49/64"	4-51/64"	---	R4FSS-A
	4-52/64"	4-54/64"	---	R4GSS-A
	4-55/64"	4-57/64"	---	R4HSS-A
	4-58/64"	4-59/64"	---	R4KSS-A
	4-60/64"	4-62/64"	---	R4LSS-A
	4-63/64"	5"	---	R4MSS-A



brass



304 stainless steel



aluminum

- for use with API couplings on page 97

Female Replacement Washers

Feature:

- for use with female internally expanded permanent couplings on page 97

Size	Buna Part #
3/4"	H5071-BU
1"	H5072-BU
1 1/4"	H5073-BU
1 1/2"	H5074-BU
2"	H5075-BU
2 1/2"	H5076-BU
3"	H5077-BU
4"	H5078-BU


Hose Coupling
Systems

HB Coupling Expander Machine

Features:

- hand operated, pull-through type expander
- for use in a fixed location for small production runs or as a portable repair type expander
- attaches sizes 3/4" through 2" of the Scovil style and all sizes of the curb pump fittings
- expander tooling sold separately

Part #
2500HB0000



Permanent Pump Hose Couplings



Application:

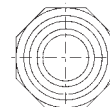
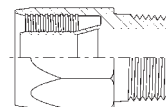
- economical and trouble-free couplings for gas pump hose

Features:

- serrations on the stem embed in the hose eliminating wicking and leakage
- shell extends beyond the stem preventing cutting of interior walls; tapered ends of stem and shell protect hose when flexed
- provide tamper-proof static connection which cannot be broken without completely damaging coupling and hose
- internal expansion of stem to nominal ID of hose provides full flow
- broad, firm grip of coupling extends hose life by making it possible for hose to withstand more flexings
- Hand and electrically operated installation equipment is available; consult Dixon® for pricing and availability.
- UL listed
- *Reattach static wire if required.*



Size	Male NPT	Hose OD	Chrome Plated Brass Part #
3/4"	3/4"	1-13/64"	H5753
3/4"	3/4"	1-7/32"	H5754
3/4"	3/4"	1-17/64"	H5755 ¹
1"	1"	1-25/64"	H5771
1"	1"	1-29/64"	H5772
1"	1"	1-1/2"	H5773
1"	1"	1-9/16"	H5774



¹ thrust plate required, part # **25000HTL15**





Dubl-Grip® Re-attachable Couplings for Curb Pump Hose

Features:

- two-piece construction
- streamlined design prevents damage to hose and fits well on new pump equipment
- wide, flat surfaces of body threads protect inside of hose from breaking
- tapered surface of sleeve and body cradle hose preventing one-point strain from flexing
- Hose is gripped on its full circumference in two places, ensuring a rigid leakproof connection.
- re-attachable: worn portion of hose can be removed and Dubl-Grip® can be reapplied
- easy assembly:
 - Hose is held in position by sleeve as body is threaded home.
 - Only a wrench is required to assemble the Dubl-Grip®.
- Underwriters Listed approved
- *Reattach static wire if required.*



Swivel

Hose ID	Male NPT	Hose OD	Chrome Plated Brass Part #
3/4"	3/4"	1 1/8"	H603
3/4"	3/4"	1-13/64"	H604
3/4"	3/4"	1 1/4"	H605
1"	1"	1 3/8"	H609 ¹
1"	1"	1-7/16"	H610 ¹
1"	1"	1-1/2"	H611 ¹



Non-Swivel

Hose ID	Male NPT	Hose OD	Chrome Plated Brass Part #
5/8"	3/4"	1"	850212
5/8"	3/4"	1-1/32"	850213
3/4"	3/4"	1 1/8"	850451
3/4"	3/4"	1-13/64"	850455
3/4"	3/4"	1 1/4"	850453
1"	1"	1 3/8"	850841 ¹
1"	1"	1-7/16"	850801 ¹
1"	1"	1 1/2"	850811 ¹

¹ octagonal shape

CIP Internal Expansion (IX) Sanitary Style Hose Couplings

Application:

- used in the food, dairy and beverage industries

Features:

- Clean-In-Place (CIP) compliant
- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules.

Sanitary Style Clamp End Stems

Features:

- 3A compliant when assembled by 3A authorized hose shop
- special plug is required to expand CIP compliant fittings
- special adapter plate is required to expand 1½" CIP compliant fittings
- see pages 580 to 583 for sanitary style gaskets
- see pages 564 to 566 for sanitary style clamps

Size	304 Stainless Steel Part #
1½"	IXSE24-3A
2"	IXSE32-3A
3"	IXSE48-3A



Hose Coupling
Systems

B

Special Expansion Plugs for CIP Compliant IX Fitting

Hose Size	304 Stainless Steel Part #
1½"	IXFDPLG137
2"	IXFDPLG187
3"	IXFDPLG287



CIP Internal Expansion (IX) Sanitary Style Tube Weld End Stem

Feature:

- special plug is required to expand CIP compliant fittings

Size	304 Stainless Steel Part #
2"	IXPE32-3A



Internal Expansion (IX) Sanitary Style

Clamp End Stems

Features:

- clamp end x hose shank
- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules.
- see pages 578 - 583 for sanitary style gaskets
- see pages 564 - 566 for sanitary style clamps

Size	304 Stainless Steel Part #
1½"	IXSE24
2"	IXSE32
2½"	IXSE40
3"	IXSE48
4"	IXSE64



Internal Expansion (IX) Sanitary Style**Male NPT Stems****Feature:**

- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules.



Size	304 Stainless Steel Part #
1½"	IXMS24
2"	IXMS32
2½"	IXMS40
3"	IXMS48
4"	IXMS64

Internal Expansion (IX) Sanitary Style Bevel Seat Hose Couplings**Features:**

- Flow Chief internal expansion (IX) fittings are only to be used with Flow Chief stainless steel ferrules.
- see page 593 for bevel seat gaskets

**Bevel Seat Stems****Feature:**

- only use with the IXAN nuts shown below

Size	304 Stainless Steel Part #
1½"	IXFS24
2"	IXFS32
2"	IXFS32-3A ¹
2½"	IXFS40
3"	IXFS48
4"	IXFS64

¹ must use plug part # IXFDPLG187

Bevel Seat Threaded Hex Nuts**series 13H (modified)**

Size	304 Stainless Steel Part #
1½"	IXAN24
2"	IXAN32
2½"	IXAN40
3"	IXAN48
4"	IXAN64

Internal Expansion Sanitary Style Flow Chief Ferrules

Feature:

- ferrule ID's are designed in increments of 1/16"

Hose ID	Hose OD		304 Stainless Steel Part #
	From	To	
1½" ¹	1-56/64"	1-59/64"	24PFX1.937
	1-60/64"	1-63/64"	24PFX2.000
	2"	2-3/64"	24PFX2.062
	2-4/64"	2-7/64"	24PFX2.125
	2-8/64"	2-11/64"	24PFX2.187
	2-12/64"	2-15/64"	24PFX2.250
	2-16/64"	2-19/64"	24PFX2.312 ²
2" ¹	2-28/64"	2-31/64"	32PFX2.500
	2-32/64"	2-35/64"	32PFX2.562
	2-36/64"	2-39/64"	32PFX2.625
	2-40/64"	2-43/64"	32PFX2.687
	2-44/64"	2-47/64"	32PFX2.750
	2-48/64"	2-51/64"	32PFX2.812
	2-52/64"	2-55/64"	32PFX2.875
	2-56/64"	2-59/64"	32PFX2.937
2½"	3"	3-3/64"	40PFX3.062
	3-4/64"	3-7/64"	40PFX3.125
	3-8/64"	3-11/64"	40PFX3.187
	3-12/64"	3-15/64"	40PFX3.250
	3-16/64"	3-19/64"	40PFX3.312
	3-20/64"	3-23/64"	40PFX3.375
	3-28/64"	3-31/64"	40PFX3.500
3"	3-32/64"	3-35/64"	48PFX3.562
	3-36/64"	3-39/64"	48PFX3.625
	3-40/64"	3-43/64"	48PFX3.687
	3-44/64"	3-47/64"	48PFX3.750
	3-48/64"	3-51/64"	48PFX3.812
	3-52/64"	3-55/64"	48PFX3.875
	3-56/64"	3-59/64"	48PFX3.937
	3-60/64"	3-63/64"	48PFX4.000
	4"	4-3/64"	48PFX4.062
	4-4/64"	4-7/64"	48PFX4.125
4"	4-36/64"	4-39/64"	64PFX4.625
	4-40/64"	4-43/64"	64PFX4.687
	4-44/64"	4-47/64"	64PFX4.750
	4-48/64"	4-51/64"	64PFX4.812
	4-52/64"	4-55/64"	64PFX4.875
	4-56/64"	4-59/64"	64PFX4.937



¹ 1½" and 2" ferrules do not have serrations on the ID

² consult Dixon® at engineering@dixonvalve.com for working pressure

- for use with IX stems on pages 101 and 102

Dixon Sanitary King Crimp™ Stem

Clamp End x Hose Shank

Features:

- to be used with King Crimp™ sleeves and / or ferrules see pages 111-114
- wetted surfaces meet governmental and independent regulatory standards only

**Tri-Clover Stems**

Size	316 Stainless Steel Part #
1"	CSSR100CS
1½"	CSSR150CS
2"	CSSR200CS
3"	CSSR300CS
4"	CSSR400CS

**Female I-line**

Size	316 Stainless Steel Part #
1"	CILR100CS
1½"	CILR150CS
2"	CILR200CS
3"	CILR300CS
4"	CILR400CS



Dixon Sanitary Style Crimp Stems**Clamp End x Hose Shank****Features:**

- sanitary style end
- Dixon® sanitary crimp stems are only to be used with Dixon® sanitary stainless steel crimp ferrules on page 106
- reference dixonvalve.com for crimp recommendations

Size	316 Stainless Steel Part #
1"	CSSR100-3A
1½"	CSSR150-3A
2"	CSSR200-3A
2½"	CSSR250
3"	CSSR300-3A
4"	CSSR400

Hose Coupling
Systems**Female I-Line End x Hose Shank**

- to be used with Sanitary ferrules on page 106

Size	316 Stainless Steel Part #
1½"	CILR150
2"	CILR200
3"	CILR300
4"	CILR400

**Bevel Seat End x Hose Shank**

- to be used with Sanitary ferrules on page 106

Size	Nut Used	316 Stainless Steel Part #
1"	13H-G100	CBSR100
1½"	IXAN24	CBSR150
2"	IXAN32	CBSR200
3"	IXAN300	CBSR300
4"	IXAN64	CBSR400

**Tube Weld End x Hose Shank**

- to be used with Sanitary ferrules on page 106

Size	316 Stainless Steel Part #
1½"	CTER150
2"	CTER200
3"	CTER300
4"	CTER400



Dixon® Sanitary Style**Features: Crimp Ferrules**

- AISI 304 stainless steel
- ferrules have a surface finish of 63 or better



Size	Hose OD		304 Stainless Steel Part #
	From	To	
1"	1-26/64"	1-28/64"	F16G-1453
	1-29/64"	1-31/64"	F16G-1500
	1-32/64"	1-34/64"	F16G-1547
	1-35/64"	1-37/64"	F16G-1594
	1-38/64"	1-40/64"	F16G-1641
1½"	1-58/64"	1-61/64"	F24G-1969
	1-62/64"	2-1/64"	F24G-2031
	2-2/64"	2-5/64"	F24G-2094
	2-6/64"	2-9/64"	F24G-2156
	2-10/64"	2-13/64"	F24G-2219
	2-14/64"	2-17/64"	F24G-2281
2"	2-18/64"	2-21/64"	F24G-2344
	2-30/64"	2-33/64"	F32G-2531
	2-34/64"	2-37/64"	F32G-2594
	2-38/64"	2-41/64"	F32G-2656
	2-42/64"	2-45/64"	F32G-2719
	2-52/64"	2-55/64"	F32G-2875
2½"	2-56/64"	2-59/64"	F32G-2938
	3"	3-3/64"	F40G-3063
	3-4/64"	3-7/64"	F40G-3125
	3-8/64"	3-11/64"	F40G-3188
	3-12/64"	3-15/64"	F40G-3250
	3-16/64"	3-19/64"	F40G-3313
3"	3-20/64"	3-23/64"	F40G-3375
	3-36/64"	3-39/64"	F48G-3625
	3-40/64"	3-43/64"	F48G-3688
	3-44/64"	3-47/64"	F48G-3750
	3-48/64"	3-51/64"	F48G-3813
	3-52/64"	3-55/64"	F48G-3875
4"	3-56/64"	3-59/64"	F48G-3938
	3-61/64"	4"	F48G-4016
	4-40/64"	4-43/64"	F64G-4688
	4-44/64"	4-47/64"	F64G-4750
	4-48/64"	4-51/64"	F64G-4813
	4-52/64"	4-55/64"	F64G-4875
	4-56/64"	4-59/64"	F64G-4938
	5-5/64"	5-8/64"	F64G-5141

Holedall™ DIN External**Crimp Female Stems**

Size	DIN	316 Stainless Steel Part #
1½"	40	HA0240
2"	50	HA0241
2½"	65	HA0242
3"	80	HA0243

Male Stems

Size	DIN	316 Stainless Steel Part #
1½"	40	HA0235
2"	50	HA0236
2½"	65	HA0237
3"	80	HA0238

- please visit dixonvalve.com for crimp recommendations

Crimp Working Pressure Chart

Size	Temperature	Fitting	Clamp	Working Pressure PSIG	Size	Temperature	Fitting	Clamp	Working Pressure PSIG
1"	Ambient	STC10CS	sleeve	400	3"	Ambient	STC35CS	sleeve	200
	160°F (71°C)	STC10CS	sleeve	270		160°F (71°C)	STC35CS	sleeve	140
	180°F (82°C)	STC10CS	sleeve	250		180°F (82°C)	STC35CS	sleeve	100
	250°F (121°C)	STC10CS	sleeve	200		250°F (121°C)	STC35CS	sleeve	75
	Ambient	STC10CS	ferrule	400		Ambient	STC35CS	ferrule	300
	160°F (71°C)	STC10CS	ferrule	270		160°F (71°C)	STC35CS	ferrule	218
	180°F (82°C)	STC10CS	ferrule	250		180°F (82°C)	STC35CS	ferrule	200
	250°F (121°C)	STC10CS	ferrule	200		250°F (121°C)	STC35CS	ferrule	100
	Ambient	100-C/E	sleeve	250		Ambient	300-C/E	sleeve	125
	160°F (71°C)	100-C/E	sleeve	242		160°F (71°C)	300-C/E	sleeve	100
	180°F (82°C)	100-C/E	sleeve	240		180°F (82°C)	300-C/E	sleeve	60
	250°F (121°C)	100-C/E	sleeve	200		250°F (121°C)	300-C/E	sleeve	55
	Ambient	100-C/E	ferrule	250		Ambient	300-C/E	ferrule	150
	160°F (71°C)	100-C/E	ferrule	242		160°F (71°C)	300-C/E	ferrule	125
	180°F (82°C)	100-C/E	ferrule	240		180°F (82°C)	300-C/E	ferrule	100
	250°F (121°C)	100-C/E	ferrule	200		250°F (121°C)	300-C/E	ferrule	75
1½"	Ambient	STC20CS	sleeve	300	4"	Ambient	STC40CS	sleeve	175
	160°F (71°C)	STC20CS	sleeve	225		160°F (71°C)	STC40CS	sleeve	100
	180°F (82°C)	STC20CS	sleeve	200		180°F (82°C)	STC40CS	sleeve	100
	250°F (121°C)	STC20CS	sleeve	100		250°F (121°C)	STC40CS	sleeve	50
	Ambient	STC20CS	ferrule	350		Ambient	STC40CS	ferrule	300
	160°F (71°C)	STC20CS	ferrule	225		160°F (71°C)	STC40CS	ferrule	218
	180°F (82°C)	STC20CS	ferrule	200		180°F (82°C)	STC40CS	ferrule	200
	250°F (121°C)	STC20CS	ferrule	150		250°F (121°C)	STC40CS	ferrule	100
	Ambient	150-C/E	sleeve	250		Ambient	400-C/E	sleeve	110
	160°F (71°C)	150-C/E	sleeve	200		160°F (71°C)	400-C/E	sleeve	75
	180°F (82°C)	150-C/E	sleeve	100		180°F (82°C)	400-C/E	sleeve	60
	250°F (121°C)	150-C/E	sleeve	75		250°F (121°C)	400-C/E	sleeve	50
	Ambient	150-C/E	ferrule	250		Ambient	400-C/E	ferrule	150
	160°F (71°C)	150-C/E	ferrule	200		160°F (71°C)	400-C/E	ferrule	75
	180°F (82°C)	150-C/E	ferrule	150		180°F (82°C)	400-C/E	ferrule	75
	250°F (121°C)	150-C/E	ferrule	100		250°F (121°C)	400-C/E	ferrule	75
2"	Ambient	STC25CS	sleeve	250	6"	Ambient	STC60CS	sleeve	75
	160°F (71°C)	STC25CS	sleeve	150		160°F (71°C)	STC60CS	sleeve	---
	180°F (82°C)	STC25CS	sleeve	125		180°F (82°C)	STC60CS	sleeve	---
	250°F (121°C)	STC25CS	sleeve	80		250°F (121°C)	STC60CS	sleeve	---
	Ambient	STC25CS	ferrule	300		Ambient	STC60CS	ferrule	230
	160°F (71°C)	STC25CS	ferrule	239		160°F (71°C)	STC60CS	ferrule	---
	180°F (82°C)	STC25CS	ferrule	225		180°F (82°C)	STC60CS	ferrule	---
	250°F (121°C)	STC25CS	ferrule	100		250°F (121°C)	STC60CS	ferrule	---
	Ambient	200-C/E	sleeve	250		Ambient	600-C/E	sleeve	75
	160°F (71°C)	200-C/E	sleeve	100		160°F (71°C)	600-C/E	sleeve	---
	180°F (82°C)	200-C/E	sleeve	50		180°F (82°C)	600-C/E	sleeve	---
	250°F (121°C)	200-C/E	sleeve	50		250°F (121°C)	600-C/E	sleeve	---
	Ambient	200-C/E	ferrule	250		Ambient	600-C/E	ferrule	75
	160°F (71°C)	200-C/E	ferrule	100		160°F (71°C)	600-C/E	ferrule	---
	180°F (82°C)	200-C/E	ferrule	100		180°F (82°C)	600-C/E	ferrule	---
	250°F (121°C)	200-C/E	ferrule	100		250°F (121°C)	600-C/E	ferrule	---

Hose Coupling
Systems

B



Dixon® Cam & Groove Type C Coupler x Hose Shank

356T6 aluminum



brass



316 stainless steel



unplated ductile iron

Features:

- finger rings are not supplied on 1" Dixon® couplings
- couplers are supplied standard with a Buna-N gasket, other gasket types are available on pages 167 - 170
- ½" Dixon® coupler has only one cam arm
- use Dixon® replacement handles only

Hose ID	356T6 Aluminum Part #	Brass Part #	316 Stainless Steel Part #	Unplated Ductile Iron Part #
1"	100-C-AL	100-C-BR	100-C-SS	---
1½"	150-C-AL	150-C-BR	150-C-SS	150-C-MI
2"	200-C-AL	200-C-BR	200-C-SS	200-C-MI
3"	300-C-AL	300-C-BR	300-C-SS	300-C-MI ¹
4"	400-C-AL	400-C-BR	400-C-SS	400-C-MI ¹
6"	600-C-AL	600-C-BR	600-C-SS	600-C-MI ¹

¹ ductile iron

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.

**EZ Boss-Lock™ Cam & Groove Type C Coupler x Hose Shank****Feature:**

- couplers are supplied standard with a Buna-N gasket, other gasket types are available on pages 167 - 170



Size	316 Stainless Steel Part #
1"	RC100EZCR
1¼"	RC125EZCR
1½"	RC150EZCR
2"	RC200EZCR
3"	RC300EZCR
4"	RC400EZCR
6"	RC600EZCR

Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically designed for their use. See page 122 for further specifications.



Dixon® Type E Adapters

male adapter x hose shank



Pressure rating is based on the seal of the mating part. See ratings on page 124

Hose ID	356T6 Aluminum Part #	Brass Part #	316 Stainless Steel Part #	Unplated Ductile Iron Part #
1"	100-E-AL	100-E-BR	100-E-SS	---
1½"	150-E-AL	150-E-BR	150-E-SS	---
2"	200-E-AL	200-E-BR	200-E-SS	---
3"	300-E-AL	300-E-BR	300-E-SS	300-E-MI
4"	400-E-AL	400-E-BR	400-E-SS	400-E-MI
6"	600-E-AL	600-E-BR	600-E-SS	600-E-MI



356T6 aluminum



brass



316 stainless steel



unplated ductile iron

Hose Coupling Systems

B

Global Crimp Style Cam & Groove Type C Coupler x Hose Shank**Features:**

- all couplers are supplied with safety clips
- couplers are supplied standard with a Buna-N gasket, other gasket types are available on pages 167 - 170
- use Global replacement handles only



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.

Hose ID	A380 Permanent Mold Aluminum Part #	C38000 Forged Brass Part #	316 Investment Cast Stainless Part #
1"	G100-C-ALCR	G100-C-BRCR	G100-C-SSCR
1½"	G150-C-ALCR	G150-C-BRCR	G150-C-SSCR
2"	G200-C-ALCR	G200-C-BRCR	G200-C-SSCR
3"	G300-C-ALCR	G300-C-BRCR	G300-C-SSCR
4"	G400-C-ALCR	G400-C-BRCR	G400-C-SSCR
6"	G600-C-ALCR	---	G600-C-SSCR



A380 permanent mold aluminum



C38000 forged brass



316 investment cast stainless

Global Crimp Style Cam & Groove Type E Adapter x Hose Shank



A380 permanent mold aluminum



C38000 forged brass



316 investment cast stainless

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. Pressure rating is based on the seal of the mating part. See ratings on page 124.



Hose ID	A380 Permanent Mold Aluminum Part #	C38000 Forged Brass Part #	316 Investment Cast Stainless Steel Part #
1"	G100-E-ALCR	G100-E-BRCR	G100-E-SSCR
1½"	G150-E-ALCR	G150-E-BRCR	G150-E-SSCR
2"	G200-E-ALCR	G200-E-BRCR	G200-E-SSCR
3"	G300-E-ALCR	G300-E-BRCR	G300-E-SSCR
4"	G400-E-ALCR	G400-E-BRCR	G400-E-SSCR
6"	G600-E-ALCR	---	G600-E-SSCR

Boss™ Ground Joint Stems

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. Pressure rating is based on the seal of the mating part. See ratings on page 124.



Hose Shank x NPT	Plated Steel and / or Iron Part #	Opt Qty
2"	GB26	10
3"	GB36	5

- GB26 and GB36 has a machined shank to accept a Boss™ clamp, King Crimp™ sleeve or a ferrule

The King Crimp™ sleeve and ferrule are not intended for steam service.



King Crimp™ Style Sleeves

- 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.
- for liquid service only
- not intended for steam service



Hose ID	Hose OD		Work. Pressure (PSI)		Sleeve ID	Sleeve Wall Thick.	Sleeve Overall Length	Carbon Steel Part #	304 Stainless Steel Part #	Aluminum Part #
	From	To	cam & groove ¹	King Crimp nipple ²						
1"	1-13/64"	1-16/64"	*	*	1.313"	.062"	2½"	CS100-1CS	CS100-1SS	---
	1-17/64"	1-20/64"	*	*	1.375"	.062"	2½"	CS100-2CS	CS100-2SS	CS100-2AL
	1-21/64"	1-24/64"	*	*	1.438"	.062"	2½"	CS100-3CS	CS100-3SS	---
	1-25/64"	1-28/64"	*	*	1.500"	.062"	2½"	CS100-4CS	CS100-4SS	CS100-4AL
	1-29/64"	1-32/64"	*	*	1.563"	.062"	2½"	CS100-5CS	CS100-5SS	---
	1-33/64"	1-36/64"	*	*	1.625"	.062"	2½"	CS100-6CS	CS100-6SS	CS100-6AL
	1-37/64"	1-40/64"	*	*	1.688"	.062"	2½"	CS100-7CS	CS100-7SS	---
	1-41/64"	1-44/64"	*	*	1.750"	.062"	2½"	CS100-8CS	CS100-8SS	---
	1-45/64"	1-48/64"	*	*	1.813"	.062"	2½"	CS100-9CS	CS100-9SS	---
	1-49/64"	1-52/64"	*	*	1.875"	.062"	2½"	CS100-10CS	CS100-10SS	---
1¼"	1-41/64"	1-44/64"	250	300	1.750"	.060"	2-5/8"	CS125-3CS	CS125-3SS	---
	1-45/64"	1-48/64"	250	300	1.813"	.060"	2-5/8"	CS125-4CS	CS125-4SS	---
	1-49/64"	1-52/64"	250	300	1.875"	.060"	2-5/8"	CS125-5CS	CS125-5SS	---
	1-53/64"	1-56/64"	250	300	1.938"	.060"	2-5/8"	CS125-6CS	CS125-6SS	---
1½"	1-41/64"	1-44/64"	250	300	1.750"	.062"	2½"	CS150-1CS	CS150-1SS	---
	1-45/64"	1-48/64"	250	300	1.813"	.062"	2½"	CS150-2CS	CS150-2SS	---
	1-49/64"	1-52/64"	250	300	1.875"	.062"	2½"	CS150-3CS	CS150-3SS	CS150-3AL
	1-53/64"	1-56/64"	250	300	1.938"	.062"	2½"	CS150-4CS	CS150-4SS	---
	1-57/64"	1-60/64"	250	300	2.000"	.062"	2½"	CS150-5CS	CS150-5SS	---
	1-61/64"	2"	250	300	2.063"	.062"	2½"	CS150-6CS	CS150-6SS	---
	2-1/64"	2-4/64"	250	300	2.125"	.062"	2½"	CS150-7CS	CS150-7SS	CS150-7AL
	2-5/64"	2-8/64"	250	300	2.188"	.062"	2½"	CS150-8CS	CS150-8SS	---
	2-9/64"	2-12/64"	250	300	2.250"	.062"	2½"	CS150-9CS	CS150-9SS	---
	2-13/64"	2-16/64"	250	300	2.313"	.062"	2½"	CS150-10CS	CS150-10SS	---
	2-17/64"	2-20/64"	250	300	2.375"	.062"	2½"	CS150-11CS	CS150-11SS	---
	2-21/64"	2-24/64"	250	300	2.438"	.062"	2½"	CS150-12CS	CS150-12SS	---
2"	2-13/64"	2-16/64"	250	250	2.313"	.062"	2-7/8"	CS200-1CS	CS200-1SS	---
	2-17/64"	2-20/64"	250	250	2.375"	.062"	2-7/8"	CS200-2CS	CS200-2SS	---
	2-21/64"	2-24/64"	250	250	2.438"	.062"	2-7/8"	CS200-3CS	CS200-3SS	---
	2-25/64"	2-28/64"	250	250	2.500"	.062"	2-7/8"	CS200-4CS	CS200-4SS	CS200-4AL
	2-29/64"	2-32/64"	250	250	2.563"	.062"	2-7/8"	CS200-5CS	CS200-5SS	NEW CS200-5AL
	2-33/64"	2-36/64"	250	250	2.625"	.062"	2-7/8"	CS200-6CS	CS200-6SS	---
	2-37/64"	2-40/64"	250	250	2.688"	.062"	2-7/8"	CS200-7CS	CS200-7SS	---
	2-41/64"	2-44/64"	250	250	2.750"	.062"	2-7/8"	CS200-8CS	CS200-8SS	---
	2-45/64"	2-48/64"	250	250	2.813"	.062"	2-7/8"	CS200-9CS	CS200-9SS	---
	2-49/64"	2-52/64"	250	250	2.875"	.062"	2-7/8"	CS200-10CS	CS200-10SS	CS200-10AL
	2-53/64"	2-56/64"	250	250	2.938"	.062"	2-7/8"	CS200-11CS	CS200-11SS	NEW CS200-11AL
	2-57/64"	2-60/64"	250	250	3.000"	.062"	2-7/8"	CS200-12CS	CS200-12SS	NEW CS200-12AL

* consult Dixon® at engineering@dixonvalve.com for pressure rating

¹ based on using crimp cam & groove shanks

² based on using King™ crimp nipples





King Crimp™ Style Sleeves

- 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.
- for liquid service only
- not intended for steam service



Hose ID	Hose OD		Work. Pressure (PSI)		Sleeve ID	Sleeve Wall Thick.	Sleeve Overall Length	Carbon Steel Part #	304 Stainless Steel Part #	Aluminum Part #
	From	To	cam & groove ¹	King Crimp nipple ²						
3"	3-13/64"	3-16/64"	125	200	3.313"	.090"	3 3/4"	CS300-1CS	CS300-1SS	---
	3-17/64"	3-20/64"	125	200	3.375"	.090"	3 3/4"	CS300-2CS	CS300-2SS	---
	3-21/64"	3-24/64"	125	200	3.438"	.090"	3 3/4"	CS300-3CS	CS300-3SS	---
	3-25/64"	3-28/64"	125	200	3.500"	.090"	3 3/4"	CS300-4CS	CS300-4SS	---
	3-29/64"	3-32/64"	125	200	3.563"	.090"	3 3/4"	CS300-5CS	CS300-5SS	CS300-5AL
	3-33/64"	3-36/64"	125	200	3.625"	.090"	3 3/4"	CS300-6CS	CS300-6SS	---
	3-37/64"	3-40/64"	125	200	3.688"	.090"	3 3/4"	CS300-7CS	CS300-7SS	---
	3-41/64"	3-44/64"	125	200	3.750"	.090"	3 3/4"	CS300-8CS	CS300-8SS	CS300-8AL
	3-45/64"	3-48/64"	125	200	3.813"	.090"	3 3/4"	CS300-9CS	CS300-9SS	---
	3-49/64"	3-52/64"	125	200	3.875"	.090"	3 3/4"	CS300-10CS	CS300-10SS	NEW CS300-10AL
	3-53/64"	3-56/64"	125	200	3.938"	.090"	3 3/4"	CS300-11CS	CS300-11SS	---
	3-57/64"	3-60/64"	125	200	4.000"	.090"	3 3/4"	CS300-12CS	CS300-12SS	CS300-12AL
	3-61/64"	4"	125	200	4.063"	.090"	3 3/4"	CS300-13CS	CS300-13SS	---
	4-1/64"	4-4/64"	125	200	4.125"	.090"	3 3/4"	CS300-14CS	CS300-14SS	---
	4-5/64"	4-8/64"	125	200	4.188"	.090"	3 3/4"	CS300-15CS	CS300-15SS	---
	4-9/64"	4-12/64"	125	200	4.250"	.090"	3 3/4"	CS300-16CS	CS300-16SS	---
4"	4-13/64"	4-16/64"	110	175	4.313"	.090"	3 3/4"	CS400-1CS	CS400-1SS	---
	4-17/64"	4-20/64"	110	175	4.375"	.090"	3 3/4"	CS400-2CS	CS400-2SS	---
	4-21/64"	4-24/64"	110	175	4.438"	.090"	3 3/4"	CS400-3CS	CS400-3SS	---
	4-25/64"	4-28/64"	110	175	4.500"	.090"	3 3/4"	CS400-4CS	CS400-4SS	---
	4-29/64"	4-32/64"	110	175	4.563"	.090"	3 3/4"	CS400-5CS	CS400-5SS	---
	4-33/64"	4-36/64"	110	175	4.625"	.090"	3 3/4"	CS400-6CS	CS400-6SS	---
	4-37/64"	4-40/64"	110	175	4.688"	.090"	3 3/4"	CS400-7CS	CS400-7SS	---
	4-41/64"	4-44/64"	110	175	4.750"	.090"	3 3/4"	CS400-8CS	CS400-8SS	---
	4-45/64"	4-48/64"	110	175	4.813"	.090"	3 3/4"	CS400-9CS	CS400-9SS	---
	4-49/64"	4-52/64"	110	175	4.875"	.090"	3 3/4"	CS400-10CS	CS400-10SS	CS400-10AL
	4-53/64"	4-56/64"	110	175	4.938"	.090"	3 3/4"	CS400-11CS	CS400-11SS	NEW CS400-11AL
	4-57/64"	4-60/64"	110	175	5.000"	.090"	3 3/4"	CS400-12CS	CS400-12SS	CS400-12AL
	4-61/64"	5"	110	175	5.063"	.090"	3 3/4"	CS400-13CS	CS400-13SS	---
	5-1/64"	5-4/64"	110	175	5.125"	.090"	3 3/4"	CS400-14CS	CS400-14SS	---
	5-5/64"	5-8/64"	110	175	5.188"	.090"	3 3/4"	CS400-15CS	CS400-15SS	---
	5-9/64"	5-12/64"	110	175	5.250"	.090"	3 3/4"	CS400-16CS	CS400-16SS	---
6"	6-21/64"	6-28/64"	*	*	6.500"	.120"	5 1/2"	CS600-1CS	CS600-1SS	---
	6-29/64"	6-36/64"	*	*	6.625"	.120"	5 1/2"	CS600-2CS	CS600-2SS	---
	6-37/64"	6-44/64"	*	*	6.750"	.120"	5 1/2"	CS600-3CS	CS600-3SS	---
	6-45/64"	6-52/64"	*	*	6.875"	.120"	5 1/2"	CS600-4CS	CS600-4SS	---
	6-53/64"	6-60/64"	*	*	7.000"	.120"	5 1/2"	CS600-5CS	CS600-5SS	---
	6-61/64"	7-4/64"	*	*	7.125"	.120"	5 1/2"	CS600-6CS	CS600-6SS	---
	7-5/64"	7-12/64"	*	*	7.250"	.120"	5 1/2"	CS600-7CS	CS600-7SS	---
	7-13/64"	7-20/64"	*	*	7.375"	.120"	5 1/2"	CS600-8CS	CS600-8SS	---
	7-21/64"	7-28/64"	*	*	7.500"	.120"	5 1/2"	CS600-9CS	CS600-9SS	---

* consult Dixon® at engineering@dixonvalve.com for pressure rating

¹ based on using crimp cam & groove shanks

² based on using King™ crimp nipples



King Crimp™ Style Ferrules

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.



Hose ID	Hose OD		Work. Pressure (PSI)		Ferrule ID	Ferrule Wall Thickness	Ferrule Overall Length	Carbon Steel Part #	304 Stainless Steel Part #
	From	To	cam & groove ¹	King Crimp nipple ²					
1"	1-13/64"	1-16/64"	*	*	1.313"	.062"	2-13/16"	CF100-1CS	CF100-1SS
	1-17/64"	1-20/64"	*	*	1.375"	.062"	2-13/16"	CF100-2CS	CF100-2SS
	1-21/64"	1-24/64"	*	*	1.438"	.062"	2-13/16"	CF100-3CS	CF100-3SS
	1-25/64"	1-28/64"	*	*	1.500"	.062"	2-13/16"	CF100-4CS	CF100-4SS
	1-29/64"	1-32/64"	*	*	1.563"	.062"	2-13/16"	CF100-5CS	CF100-5SS
	1-33/64"	1-36/64"	*	*	1.625"	.062"	2-13/16"	CF100-6CS	CF100-6SS
	1-37/64"	1-40/64"	*	*	1.688"	.062"	2-13/16"	CF100-7CS	CF100-7SS
	1-41/64"	1-44/64"	*	*	1.750"	.062"	2-13/16"	CF100-8CS	CF100-8SS
	1-45/64"	1-48/64"	*	*	1.813"	.062"	2-13/16"	CF100-9CS	CF100-9SS
	1-49/64"	1-52/64"	*	*	1.875"	.062"	2-13/16"	CF100-10CS	CF100-10SS
1¼"	1-41/64"	1-44/64"	250	350	1.750"	.060"	2-13/16"	CF125-3CS	CF125-3SS
	1-45/64"	1-48/64"	250	350	1.813"	.060"	2-13/16"	CF125-4CS	CF125-4SS
	1-49/64"	1-52/64"	250	350	1.875"	.060"	2-13/16"	CF125-5CS	CF125-5SS
	1-53/64"	1-56/64"	250	350	1.938"	.060"	2-13/16"	CF125-6CS	CF125-6SS
1½"	1-41/64"	1-44/64"	250	350	1.750"	.062"	2-13/16"	CF150-1CS	CF150-1SS
	1-45/64"	1-48/64"	250	350	1.813"	.062"	2-13/16"	CF150-2CS	CF150-2SS
	1-49/64"	1-52/64"	250	350	1.875"	.062"	2-13/16"	CF150-3CS	CF150-3SS
	1-53/64"	1-56/64"	250	350	1.938"	.062"	2-13/16"	CF150-4CS	CF150-4SS
	1-57/64"	1-60/64"	250	350	2.000"	.062"	2-13/16"	CF150-5CS	CF150-5SS
	1-61/64"	2"	250	350	2.063"	.062"	2-13/16"	CF150-6CS	CF150-6SS
	2-1/64"	2-4/64"	250	350	2.125"	.062"	2-13/16"	CF150-7CS	CF150-7SS
	2-5/64"	2-8/64"	250	350	2.188"	.062"	2-13/16"	CF150-8CS	CF150-8SS
	2-9/64"	2-12/64"	250	350	2.250"	.062"	2-13/16"	CF150-9CS	CF150-9SS
	2-13/64"	2-16/64"	250	350	2.313"	.062"	2-13/16"	CF150-10CS	CF150-10SS
	2-17/64"	2-20/64"	250	350	2.375"	.062"	2-13/16"	CF150-11CS	CF150-11SS
	2-21/64"	2-24/64"	250	350	2.438"	.062"	2-13/16"	CF150-12CS	CF150-12SS
2"	2-13/64"	2-16/64"	250	300	2.313"	.062"	3-1/8"	CF200-1CS	CF200-1SS
	2-17/64"	2-20/64"	250	300	2.375"	.062"	3-1/8"	CF200-2CS	CF200-2SS
	2-21/64"	2-24/64"	250	300	2.438"	.062"	3-1/8"	CF200-3CS	CF200-3SS
	2-25/64"	2-28/64"	250	300	2.500"	.062"	3-1/8"	CF200-4CS	CF200-4SS
	2-29/64"	2-32/64"	250	300	2.563"	.062"	3-1/8"	CF200-5CS	CF200-5SS
	2-33/64"	2-36/64"	250	300	2.625"	.062"	3-1/8"	CF200-6CS	CF200-6SS
	2-37/64"	2-40/64"	250	300	2.688"	.062"	3-1/8"	CF200-7CS	CF200-7SS
	2-41/64"	2-44/64"	250	300	2.750"	.062"	3-1/8"	CF200-8CS	CF200-8SS
	2-45/64"	2-48/64"	250	300	2.813"	.062"	3-1/8"	CF200-9CS	CF200-9SS
	2-49/64"	2-52/64"	250	300	2.875"	.062"	3-1/8"	CF200-10CS	CF200-10SS
	2-53/64"	2-56/64"	250	300	2.938"	.062"	3-1/8"	CF200-11CS	CF200-11SS
	2-57/64"	2-60/64"	250	300	3.000"	.062"	3-1/8"	CF200-12CS	CF200-12SS

* consult Dixon® at engineering@dixonvalve.com for pressure rating

¹ based on using crimp cam & groove shanks

² based on using King Crimp™ crimp nipples





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.



King Crimp™ Style Ferrules

Hose ID	Hose OD		Work. Pressure (PSI)		Ferrule ID	Ferrule Wall Thickness	Ferrule Overall Length	Carbon Steel Part #	304 Stainless Steel Part #
	From	To	cam & groove ¹	King Crimp nipple ²					
3"	3-13/64"	3-16/64"	150	300	3.313"	.090"	4"	CF300-1CS	CF300-1SS
	3-17/64"	3-20/64"	150	300	3.375"	.090"	4"	CF300-2CS	CF300-2SS
	3-21/64"	3-24/64"	150	300	3.438"	.090"	4"	CF300-3CS	CF300-3SS
	3-25/64"	3-28/64"	150	300	3.500"	.090"	4"	CF300-4CS	CF300-4SS
	3-29/64"	3-32/64"	150	300	3.563"	.090"	4"	CF300-5CS	CF300-5SS
	3-33/64"	3-36/64"	150	300	3.625"	.090"	4"	CF300-6CS	CF300-6SS
	3-37/64"	3-40/64"	150	300	3.688"	.090"	4"	CF300-7CS	CF300-7SS
	3-41/64"	3-44/64"	150	300	3.750"	.090"	4"	CF300-8CS	CF300-8SS
	3-45/64"	3-48/64"	150	300	3.813"	.090"	4"	CF300-9CS	CF300-9SS
	3-49/64"	3-52/64"	150	300	3.875"	.090"	4"	CF300-10CS	CF300-10SS
	3-53/64"	3-56/64"	150	300	3.938"	.090"	4"	CF300-11CS	CF300-11SS
	3-57/64"	3-60/64"	150	300	4.000"	.090"	4"	CF300-12CS	CF300-12SS
	3-61/64"	4"	150	300	4.063"	.090"	4"	CF300-13CS	CF300-13SS
	4-1/64"	4-4/64"	150	300	4.125"	.090"	4"	CF300-14CS	CF300-14SS
	4-5/64"	4-8/64"	150	300	4.188"	.090"	4"	CF300-15CS	CF300-15SS
	4-9/64"	4-12/64"	150	300	4.250"	.090"	4"	CF300-16CS	CF300-16SS
4"	4-13/64"	4-16/64"	150	300	4.313"	.090"	4"	CF400-1CS	CF400-1SS
	4-17/64"	4-20/64"	150	300	4.375"	.090"	4"	CF400-2CS	CF400-2SS
	4-21/64"	4-24/64"	150	300	4.438"	.090"	4"	CF400-3CS	CF400-3SS
	4-25/64"	4-28/64"	150	300	4.500"	.090"	4"	CF400-4CS	CF400-4SS
	4-29/64"	4-32/64"	150	300	4.563"	.090"	4"	CF400-5CS	CF400-5SS
	4-33/64"	4-36/64"	150	300	4.625"	.090"	4"	CF400-6CS	CF400-6SS
	4-37/64"	4-40/64"	150	300	4.688"	.090"	4"	CF400-7CS	CF400-7SS
	4-41/64"	4-44/64"	150	300	4.750"	.090"	4"	CF400-8CS	CF400-8SS
	4-45/64"	4-48/64"	150	300	4.813"	.090"	4"	CF400-9CS	CF400-9SS
	4-49/64"	4-52/64"	150	300	4.875"	.090"	4"	CF400-10CS	CF400-10SS
	4-53/64"	4-56/64"	150	300	4.938"	.090"	4"	CF400-11CS	CF400-11SS
	4-57/64"	4-60/64"	150	300	5.000"	.090"	4"	CF400-12CS	CF400-12SS
	4-61/64"	5"	150	300	5.063"	.090"	4"	CF400-13CS	CF400-13SS
	5-1/64"	5-4/64"	150	300	5.125"	.090"	4"	CF400-14CS	CF400-14SS
	5-5/64"	5-8/64"	150	300	5.188"	.090"	4"	CF400-15CS	CF400-15SS
	5-9/64"	5-12/64"	150	300	5.250"	.090"	4"	CF400-16CS	CF400-16SS
6"	6-21/64"	6-28/64"	*	*	6.500"	.120"	5-7/8"	CF600-1CS	CF600-1SS
	6-29/64"	6-36/64"	*	*	6.625"	.120"	5-7/8"	CF600-2CS	CF600-2SS
	6-37/64"	6-44/64"	*	*	6.750"	.120"	5-7/8"	CF600-3CS	CF600-3SS
	6-45/64"	6-52/64"	*	*	6.875"	.120"	5-7/8"	CF600-4CS	CF600-4SS
	6-53/64"	6-60/64"	*	*	7.000"	.120"	5-7/8"	CF600-5CS	CF600-5SS
	6-61/64"	7-4/64"	*	*	7.125"	.120"	5-7/8"	CF600-6CS	CF600-6SS
	7-5/64"	7-12/64"	*	*	7.250"	.120"	5-7/8"	CF600-7CS	CF600-7SS
	7-13/64"	7-20/64"	*	*	7.375"	.120"	5-7/8"	CF600-8CS	CF600-8SS
	7-21/64"	7-28/64"	*	*	7.500"	.120"	5-7/8"	CF600-9CS	CF600-9SS

* consult Dixon® at engineering@dixonvalve.com for pressure rating

¹ based on using crimp cam & groove shanks

² based on using King™ crimp nipples



King Crimp™ Style Combination Nipples**Threaded End****Feature:**

- There are two grooves on the crimp style King™ Combination nipples. The second groove is the roll stamp groove which has the part number and 'call Dixon®' stamped on it. This groove is a smooth concentric groove so that the stamp is legible.

Hose ID	Schedule 80 Plated Carbon Steel Part #	316 Stainless Steel Part #
1"	STC10CS	RST10CS
1¼"	STC15CS	RST15CS
1½"	STC20CS	RST20CS
2"	STC25CS	RST25CS
3"	STC35CS	RST35CS
4"	STC40CS	RST40CS
6"	STC60CS	RST60CS

- for 8" options see page 117

Hose Coupling
Systems**Grooved End****Feature:**

- There are two grooves on the crimp style King™ Combination nipples. The second groove is the roll stamp groove which has the part number and 'call Dixon®' stamped on it. This groove is a smooth concentric groove so that the stamp is legible.

Hose ID	Schedule 80 Plated Carbon Steel Part #	316 Stainless Steel Part #
1"	STV10CS	RSTV10CS
1½"	STV20CS	RSTV20CS
2"	STV25CS	RSTV25CS
3"	STV35CS	RSTV35CS
4"	STV40CS	RSTV40CS
6"	STV60CS	RSTV60CS

**Beveled End****Feature:**

- There are two grooves on the crimp style King™ Combination nipples. The second groove is the roll stamp groove which has the part number and 'call Dixon®' stamped on it. This groove is a smooth concentric groove so that the stamp is legible.

Hose ID	Schedule 80 Carbon Steel Part #	316 Stainless Steel Part #
1"	STB10CS	RSTB10CS
1½"	STB20CS	RSTB20CS
2"	STB25CS	RSTB25CS
3"	STB35CS	RSTB35CS
4"	STB40CS	RSTB40CS
6"	STB60CS	RSTB60CS

- For additional information on pipe dimensions please reference dixonvalve.com.

**FJIC**

Hose ID	Ambient Working Pressures		Carbon Steel Part #
	Sleeve	Ferrule	
1"	400	400	SFJCT10CS
1½"	300	350	SFJCT20CS
2"	250	300	SFJCT25CS

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.



King Crimp™ Style**150# ASA Fixed (Welded) Flanges**

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.

Features:

- There are two grooves on the crimp style King™ Combination nipples. The second groove is the roll stamp groove which has the part number and 'call Dixon®' stamped on it. This groove is a smooth concentric groove so that the stamp is legible.



Size	Steel Part #	316 Stainless Steel Part #
1½"	FST20CS	RFST20CS
2"	FST25CS	RFST25CS
3"	FST35CS	RFST35CS
4"	FST40CS	RFST40CS
6"	FST60CS	RFST60CS

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.
- For additional information on pipe dimensions please reference dixonvalve.com.

Combination Nipple x TTMA Flanges**Feature:**

- to be used with King Crimp™ sleeves and/or ferrules



carbon steel



aluminum

Size	Flange Thickness	Carbon Steel Part #	Aluminum Part #
3"	¼"	TTFST35CS	---
3"	⅜"	TTFST35CS-THK	---
4"	5/16"	TTFST40CS	ATTFT40CS
4"	⅜"	TTFST40CS-THK	---

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.
- For additional information on pipe dimensions please reference dixonvalve.com.

Nipples for Floating Flanges**Feature:**

- to be used with King Crimp™ sleeves and/or ferrules



Size	Plated Carbon Steel Part #	316 Stainless Steel Part #
2"	N25CS	RN25CS
3"	N35CS	RN35CS
4"	N40CS	RN40CS
6"	N60CS	RN60CS

- To be used with LJ/LJR floating flanges on page 688.

King Crimp™ Style**Short Combination Nipples - Threaded End**

- for use with ferrules below

Size	Schedule 40 Plated Carbon Steel Part #
8"	STC80CS



Hose Coupling Systems

Short Combination Nipples - Grooved End

Size	Schedule 40 Plated Carbon Steel Part #
8"	STV80CS



- For additional information on pipe dimensions please reference dixonvalve.com.

Short Ferrules

- consult Dixon® for additional ferrule sizes

Hose ID	Hose OD		Ferrule Wall Thickness	Ferrule ID	Ferrule Overall Length	Carbon Steel Part #
	From	To				
8"	8-29/64"	8-36/64"	.120"	8.625"	4.25"	CFS800-1CS
	8-37/64"	8-44/64"	.120"	8.750"	4.25"	CFS800-2CS
	8-45/64"	8-52/64"	.120"	8.875"	4.25"	CFS800-3CS
	8-53/64"	8-60/64"	.120"	9.000"	4.25"	CFS800-4CS
	8-61/64"	9-4/64"	.120"	9.125"	4.25"	CFS800-5CS
	9-5/64"	9-12/64"	.120"	9.250"	4.25"	CFS800-6CS
	9-13/64"	9-20/64"	.120"	9.375"	4.25"	CFS800-7CS
	9-21/64"	9-28/64"	.120"	9.500"	4.25"	CFS800-8CS

**Large Sleeves**

Hose ID	Sleeve ID	Sleeve Wall Thickness	Sleeve Overall Length	Carbon Steel Part #
8"	8.30"	0.120"	8.75"	S830X875X120CS
	8.38"	0.120"	6.00"	S838X600X120CS
	8.50"	0.120"	6.50"	S850X650X120CS
	8.75"	0.120"	6.00"	S875X600X120CS
	8.98"	0.120"	8.75"	S898X875X120CS
	9.00"	0.090"	4.00"	S900X400X090CS
	9.00"	0.120"	4.00"	S900X400X120CS
	9.00"	0.120"	6.00"	S900X600X120CS
	9.10"	0.120"	4.00"	S910X400X120CS
	9.12"	0.120"	6.00"	S912X600X120CS
	9.15"	0.120"	6.00"	S915X600X120CS
	9.25"	0.120"	4.00"	S925X400X120CS
	9.25"	0.120"	6.00"	S925X600X120CS
	9.50"	0.120"	4.00"	S950X400X120CS
	9.50"	0.120"	6.00"	S950X600X120CS
	9.75"	0.120"	6.00"	S975X600X120CS
10"	10.25"	0.120"	7.50"	S1025X750X120CS
	10.50"	0.120"	7.50"	S1050X750X120CS
	11.00"	0.120"	6.00"	S1100X600X120CS
	11.75"	0.120"	6.00"	S1175X600X120CS



- consult Dixon® for additional sleeve sizes



King Crimp™ Style**Combination Nipples - Heavy Duty, Threaded End****Application:**

- used in the fast paced transfer of water, chemicals and sand slurry to a hydraulic fracturing site

Features:

- Water and petroleum transfer hoses rated from 100 to 300 PSI WP (4:1 SF) have excellent test results with the standard King Crimp™ ferrules *CF400-xxCS*.
- 400 PSI working pressure at 70°F (21°C) when used with heavy duty crimp ferrules (CF400-6CSHD through CF400-16CSHD)
- used with ferrules below



Size	Description	Schedule 80 Steel Part#
4"	male NPT fitting	STC40CSHD

Ferrules - Heavy Duty

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.



- 400 PSI working pressure with a minimum 4:1 safety factor (*hose burst: hose working pressure*) is only achieved with heavy duty (HD) crimp ferrules, CF400-6CSHD through CF400-16CSHD using heavy duty King Crimp™ stem STC40CSHD.



Hose ID	Hose OD		Ferrule Wall Thickness	Ferrule ID	Ferrule Overall Length	Carbon Steel Part #
	From	To				
4"	4-33/64"	4-36/64"	0.120"	4.625"	4"	CF400-6CSHD
	4-37/64"	4-40/64"	0.120"	4.688"	4"	CF400-7CSHD
	4-41/64"	4-44/64"	0.120"	4.750"	4"	CF400-8CSHD
	4-45/64"	4-48/64"	0.120"	4.813"	4"	CF400-9CSHD
	4-49/64"	4-52/64"	0.120"	4.875"	4"	CF400-10CSHD
	4-53/64"	4-56/64"	0.120"	4.938"	4"	CF400-11CSHD
	4-57/64"	4-60/64"	0.120"	5.000"	4"	CF400-12CSHD
	4-61/64"	5"	0.120"	5.063"	4"	CF400-13CSHD
	5-1/64"	5-4/64"	0.120"	5.125"	4"	CF400-14CSHD
	5-5/64"	5-8/64"	0.120"	5.188"	4"	CF400-15CSHD
	5-9/64"	5-12/64"	0.120"	5.250"	4"	CF400-16CSHD

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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
- maximum working pressure with King Crimp™ ferrules: **250 PSI** (2"), **150 PSI** (3" and 4")
- 4" maximum working pressure with crimp sleeves: **110 PSI**
- 4" maximum working pressure with band clamps: **100 PSI**
- gasket temperature range: **5°F to 180°F (-15°C to 82°C)**
- lifetime warranty on stainless steel tabs



Cam & Groove

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
- rated to **250 PSI**, recommendation based on the use of mating Dixon™ L-style fittings at ambient temperature **70°F (21°C)** with standard Buna-N seal installed, for use at elevated temperature or other unusual operating conditions, consult Dixon™
 - 1", 1½" and 2" sizes have a maximum working pressure of **250 PSI**
 - 3" maximum working pressure **150 PSI** with King Crimp™ ferrules, crimp sleeves and bands at **125 PSI**
- does not interchange with standard cam & groove products use only with Vent-Lock™ L-style fittings



C

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



EZ Boss-Lock™

Cam & Groove

**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
- resistant to accidental disconnection when being dragged; the release lever opens in the direction opposite to the cam arm, so movements that can open the release lever also can close the cam arm
- if the rotating lever is not flush with the handle, it is not properly engaged
- no sliding pins to jam or pop open
- rotating action helps keep the locking device free of debris
- rugged design protects critical parts from impact
- can be supplied with custom shanks, also available with swaged and PF shanks for hard to couple chemical hoses
- assemblies are investment cast stainless steel with plated carbon steel pull rings
- small OD makes it easy to insert into the hose tubes on tank trucks and to use in restricted spaces
- assemblies can be retrofitted onto undamaged stainless steel Boss-Lock™ allowing you to protect your investment in stainless steel Boss-Lock™ couplings while you upgrade
- EZ Boss-Lock™ investment stainless steel cam arms are guaranteed! Should you break one, return it to the nearest warehouse for a free replacement.

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.

King Crimp™ System Cam and Groove

Dixon® Type C
domestic couplerEZ Boss-Lock™ Type C
domestic couplerType C
global couplerDixon® Type E
domestic adapterType E
global adapter

- for a complete listing of King Crimp™ system products, including cam & groove fittings, please reference pages 107 - 118

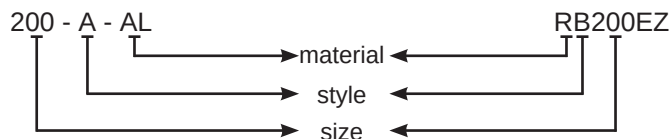
Crimp Working Pressure Chart

Size	Temperature	Fitting	Clamp	Dixon® Crimp (PSI)	Size	Temperature	Fitting	Clamp	Dixon® Crimp (PSI)
1"	Ambient	100-C/E	sleeve	250	3"	Ambient	300-C/E	sleeve	125
	160°F (71°C)	100-C/E	sleeve	242		160°F (71°C)	300-C/E	sleeve	100
	180°F (82°C)	100-C/E	sleeve	240		180°F (82°C)	300-C/E	sleeve	60
	250°F (121°C)	100-C/E	sleeve	200		250°F (121°C)	300-C/E	sleeve	55
	Ambient	100-C/E	ferrule	250		Ambient	300-C/E	ferrule	150
	160°F (71°C)	100-C/E	ferrule	242		160°F (71°C)	300-C/E	ferrule	125
	180°F (82°C)	100-C/E	ferrule	240		180°F (82°C)	300-C/E	ferrule	100
	250°F (121°C)	100-C/E	ferrule	200		250°F (121°C)	300-C/E	ferrule	75
1½"	Ambient	150-C/E	sleeve	250	4"	Ambient	400-C/E	sleeve	110
	160°F (71°C)	150-C/E	sleeve	200		160°F (71°C)	400-C/E	sleeve	75
	180°F (82°C)	150-C/E	sleeve	100		180°F (82°C)	400-C/E	sleeve	60
	250°F (121°C)	150-C/E	sleeve	75		250°F (121°C)	400-C/E	sleeve	50
	Ambient	150-C/E	ferrule	250		Ambient	400-C/E	ferrule	150
	160°F (71°C)	150-C/E	ferrule	200		160°F (71°C)	400-C/E	ferrule	75
	180°F (82°C)	150-C/E	ferrule	150		180°F (82°C)	400-C/E	ferrule	75
	250°F (121°C)	150-C/E	ferrule	100		250°F (121°C)	400-C/E	ferrule	75
2"	Ambient	200-C/E	sleeve	250	6"	Ambient	600-C/E	sleeve	75
	160°F (71°C)	200-C/E	sleeve	100		160°F (71°C)	600-C/E	sleeve	*
	180°F (82°C)	200-C/E	sleeve	50		180°F (82°C)	600-C/E	sleeve	*
	250°F (121°C)	200-C/E	sleeve	50		250°F (121°C)	600-C/E	sleeve	*
	Ambient	200-C/E	ferrule	250		Ambient	600-C/E	ferrule	75
	160°F (71°C)	200-C/E	ferrule	100		160°F (71°C)	600-C/E	ferrule	*
	180°F (82°C)	200-C/E	ferrule	100		180°F (82°C)	600-C/E	ferrule	*
	250°F (121°C)	200-C/E	ferrule	100		250°F (121°C)	600-C/E	ferrule	*

* Consult Dixon® for PSI ratings

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Ordering System



Size represents the coupler or adapter and hose or pipe end (i.e. 200 = 2"). If the coupling is a reducing size, the coupler or adapter is the first size (i.e. 4030-C is 4" coupler to 3" hose shank).

Operation of Cam and Groove

1. To make connection, slide the adapter into the coupler and with normal hand pressure, press the cam levers down.
2. Uncoupling is as quick and simple as coupling. Just lift the cam arms and remove the adapter.

Specifications on Dixon Cam and Groove

Specifications:

- Dixon®, Boss-Lock™ and EZ Boss-Lock™ cam & groove couplers and adapters are produced to interchange with all product produced to Commercial Item Description A-A-59326D.
- No standard exists for the ½", 5" and 8" fittings, and generally these sizes do not interchange with other manufacturers.
- Dust caps and dust plugs are **not** to be used in pressure applications for safety and environmental reasons.
- *Designed for use with liquids*, consult Dixon® for specific recommendations.

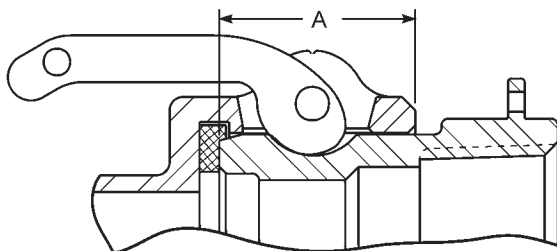
Pressure Ratings:

Recommendations based on the use of mating Dixon® fittings at ambient temperature **70°F (21°C)** with standard Buna-N seal installed. For use at elevated temperature or other unusual operating conditions, consult Dixon®. Dixon®, Boss-Lock™ and EZ Boss-Lock™ couplers and adapters maximum working pressure are as follows:



Size	½"	¾" thru 2"	2½"	3"	4"	5" and 6"	8"
PSI	150	250	150	125	100	75	50
PSI (working pressure with King Crimp™ ferrule system)	150	250	150	150	150	75	50

Cam and Groove Nominal Take-Up Lengths



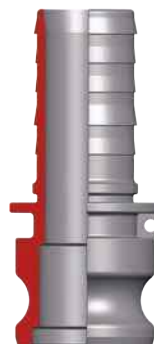
Coupling Size	Dimension A
½"	0.97"
¾"	0.97"
1"	1.20"
1¼"	1.44"
1½"	1.50"
2"	1.81"
2½"	1.82"
3"	1.78"
4"	1.84"
5"	2.00"
6"	2.13"
8"	2.06"
8"	3.22"

Cam and Groove Configurations

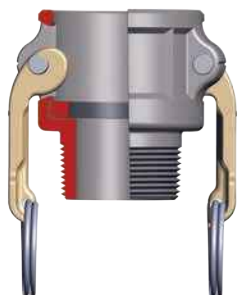
Configurations are representative of the Dixon® line of cam & groove.



Type A
male adapter x female NPT



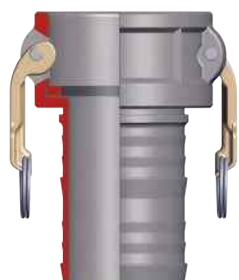
Type E
male adapter x hose shank



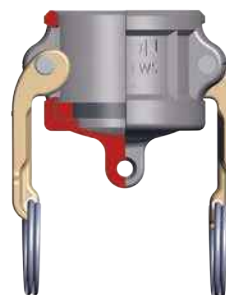
Type B
female coupler x male NPT



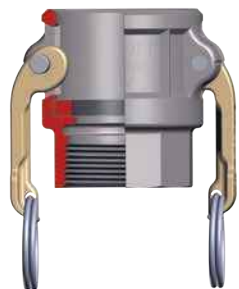
Type F
male adapter x male NPT



Type C
female coupler x hose shank



Type DC¹
dust cap



Type D
female coupler x female NPT



Type DP¹
dust plug



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

⚠ WARNING

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

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EZLink™ Armless Cam and Groove

Applications:

- transfer and/or unloading of fuels (gasoline or diesel) from tank truck to storage tanks
- transfer of liquids compatible with the available coupling and gasket materials

Materials:

- Couplings and dust caps: A356 aluminum, 316 stainless steel
- Coupler tabs and springs: 316 stainless steel
- Gasket: Buna-N

Features:

- automatic couplers push-to-connect providing a reliable connection
- low profile allows easy connection and disconnection in tight applications
- coupler push tabs can be locked with safety pins and/or zip tie
- compatible with standard cam and groove adapters
- lifetime warranty on stainless steel tabs

Specifications:

- maximum working pressure with King Crimp™ ferrules: **250 PSI** (2"), **150 PSI** (3" and 4")
- maximum working pressure with crimp sleeves: 2" **250 PSI**, 3" **125 PSI**, 4" **110 PSI**
- maximum working pressure with band clamps: 2" **250 PSI**, 3" **125 PSI**, 4" **100 PSI**
- gasket temperature range: **5°F to 180°F (-15°C to 82°C)**

Only use EZLink™ gaskets and tabs for this coupling system. Traditional cam & groove handles and gaskets, or other types of seals are not compatible and will fail. 

Type B Couplers

coupler x male NPT



Size	A356 Aluminum Part #	316 Stainless Steel Part #
1½"	EZL150-B-AL 	EZL150-B-SS 
2"	EZL200-B-AL	EZL200-B-SS
3"	EZL300-B-AL	EZL300-B-SS 
4"	EZL400-B-AL	---

Type C Couplers - King Crimp™ Hose Shank

coupler x hose shank



Size	A356 Aluminum Part #	316 Stainless Steel Part #
1½"	EZL150-C-AL 	EZL150-C-SS 
2"	EZL200-C-AL	EZL200-C-SS
3"	EZL300-C-AL	EZL300-C-SS 
4"	EZL400-C-AL	---

Type D Couplers

coupler x female NPT



Size	A356 Aluminum Part #	316 Stainless Steel Part #
1½"	EZL150-D-AL 	EZL150-D-SS 
2"	EZL200-D-AL	EZL200-D-SS
3"	EZL300-D-AL	EZL300-D-SS 
4"	EZL400-D-AL	---

Type DC Dust Caps

Size	A356 Aluminum Part #	316 Stainless Steel Part #
1½"	EZL150-DC-AL NEW	EZL150-DC-SS NEW
2"	EZL200-DC-AL	EZL200-DC-SS
3"	EZL300-DC-AL	EZL300-DC-SS NEW
4"	EZL400-DC-AL	---



Cam & Groove

Replacement Kits

- kit contains: 2 pins, 2 springs and 2 tabs

Size	Part #
2"	EZL200RPLKIT
3" and 4"	EZL300RPLKIT



C

Replacement Gaskets

Size	Buna-N Part #	Fluorosilicone NEW Part #	FKM NEW Part #
1½"	EZL150-G-BU NEW	EZL150-G-FV	EZL150-G-VI
2"	EZL200-G-BU	EZL200-G-FV	EZL200-G-VI
3"	EZL300-G-BU	EZL300-G-FV	EZL300-G-VI
4"	EZL400-G-BU	EZL400-G-FV	EZL400-G-VI



Safety Clip

Plated Carbon Steel Part #
EZLCL400

- clip is optional



Bottle Opener

Brass Part #
CAMOPENER



Vent-Lock™ Safety Cam and Groove Couplings

Application:

- transfer of fluids and solids, with a safer disconnection

Features:

- safety release cam and 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
- rated to **250 PSI**, recommendation based on the use of mating Dixon® L-style fittings at ambient temperature **70°F (21°C)** with standard Buna-N seal installed, for use at elevated temperature or other unusual operating conditions, consult Dixon™
 - 1", 1½" and 2" sizes have a maximum working pressure of **250 PSI**
 - 3" maximum working pressure **150 PSI** with King Crimp™ ferrules, crimp sleeves and bands at **125 PSI**
 - 4" maximum working pressure **150 PSI** with King Crimp™ ferrules, crimp sleeves and bands at **100 PSI**
- does not interchange with standard cam and groove products use only with Dixon® 
- safety orange cam arms
- consult Dixon® for availability of other materials

Attachment Options:

- ferrules, sleeves, bands, and other reliable options



Type A Adapters adapter x female NPT

Size	316 Stainless Steel Part #	Aluminum Part #
1"	L100-A-SS	---
1½"	L150-A-SS	---
2"	L200-A-SS	---
3"	L300-A-SS	---
4"	---	L400-A-AL



Type C Couplers coupler x hose shank

Size	316 Stainless Steel Part #
1"	L100-C-SS
1½"	L150-C-SS
2"	L200-C-SS

EZ Boss-Lock™ Type C Couplers coupler x hose shank



Size	316 Stainless Steel Part #	Aluminum Part #
1"	RLC100EZ	---
1½"	RLC150EZ	---
2"	RLC200EZ ¹	---
3"	RLC300EZ ¹	---
	---	ALC400EZ ¹

¹ has drop shank

Type D Couplers

coupler x female NPT

Size	316 Stainless Steel Part #
1"	RLD100EZ
1½"	RLD150EZ
2"	RLD200EZ



Cam & Groove

Type E Adapters

adapter x hose shank

Size	316 Stainless Steel Part #
1"	L100-E-SS
1½"	L150-E-SS
2"	L200-E-SS
3"	L300-E-SS



Type DC Dust Caps

Size	316 Stainless Steel Part #
1"	L100-DC-SS
1½"	L150-DC-SS
2"	L200-DC-SS



Type DP Dust Plugs

Size	316 Stainless Steel Part #
1"	L100-DP-SS
1½"	L150-DP-SS
2"	L200-DP-SS
3"	L300-DP-SS



EZ Boss-Lock™ Type H Dust Caps

Size	316 Stainless Steel Part #
1"	RLH100EZ
1½"	RLH150EZ
2"	RLH200EZ
3"	RLH300EZ



Accessories

Cam & Groove

Dixon® handle assembly

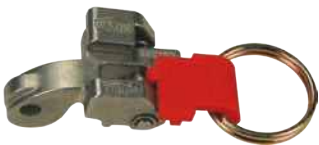
- use only with Dixon® Vent-Lock™ couplers
 - includes handle, ring and pin
- ⚠



Size	316 Stainless Steel Part #
1" 1½" - 2"	L100-HSCR-P-SI L200-HSCR-P-SI

EZ Boss-Lock™ handle assembly

- use only with EZ Boss-Lock™ Vent Lock™ couplers
 - includes handle, ring and pin
- ⚠



Size	316 Stainless Steel Part #
1" 1½" - 2 3"	LRHEZ175 LRHEZ152 LRHEZ34

Type A Adapters

adapter x female NPT

Feature:

- Pressure rating is based on the seal of the mating part. See ratings on page 124.

Size	356T6 Aluminum Part #	Aluminum Hard Coat Part #	Brass Part #
1/2"	50-A-AL ²	---	50-A-BR
3/4" x 1/2"	7550-A-AL ²	---	7550-A-BR
3/4"	75-A-AL ²	---	75-A-BR
1"	100-A-AL ²	---	100-A-BR
1 1/4"	125-A-AL	---	125-A-BR
1 1/2"	150-A-AL	150-A-ALH	150-A-BR
2"	200-A-AL	200-A-ALH	200-A-BR
2 1/2"	250-A-AL	---	250-A-BR
3"	300-A-AL	300-A-ALH	300-A-BR
4"	400-A-AL	400-A-ALH	400-A-BR
5"	500-A-AL	---	500-A-BR
6"	600-A-AL	600-A-ALH	600-A-BR
8" DIX	800-A-AL ¹	---	---
8" BL	801-A-AL ¹	---	---

¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange* in the 8" size. 

² made from 6061-T6 aluminum

Size	Unplated Malleable Iron Part #	Plated Malleable Iron Part #	316 Stainless Steel Part #
1/2"	---	---	50-A-SS
3/4" x 1/2"	---	---	7550-A-SS
3/4"	---	75-A-PM	75-A-SS
1"	---	100-A-PM	100-A-SS
1 1/4"	---	---	125-A-SS
1 1/2"	150-A-MI	150-A-PM	150-A-SS
2"	200-A-MI	200-A-PM	200-A-SS
2 1/2"	---	---	250-A-SS
3"	300-A-MI	300-A-PM	300-A-SS
4"	400-A-MI	400-A-PM	400-A-SS
5"	500-A-MI	---	500-A-SS
6"	---	600-A-PM ¹	600-A-SS

¹ ductile iron

adapter x female NPT with abrasion resistant inserts

Feature:

- used in extreme abrasion transfer applications such as sand transfer in hydraulic fracturing

Description	UHMW Polyethylene Insert Part #
(400-A-AL) aluminum adapter x female NPT with UHMW insert	400-A-ALINSERT
(400-A-BR) brass adapter x female NPT with UHMW insert	400-A-BRINSERT
(400-A-MI) malleable iron adapter x female NPT with UHMW insert	400-A-MIINSERT
(400-A-SS) stainless steel adapter x female NPT with UHMW insert	400-A-SSINSERT

Replacement inserts are available on page 172.



356T6 aluminum



aluminum hardcoat



brass



unplated malleable iron



plated malleable iron



316 stainless steel



400-A-ALINSERT

Dixon® Type B Couplers

coupler x male NPT

Cam & Groove



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

Features:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.
- ½" Dixon® coupler has only one cam arm.
- Pull rings are not supplied on ½" - 1" Dixon® couplings.

Size	356T6 Aluminum Part #	Aluminum Hard Coat Part #	Brass Part #
½"	50-B-AL	---	50-B-BR
¾"	75-B-AL	---	75-B-BR
1"	100-B-AL	---	100-B-BR
1¼"	125-B-AL	---	---
1½"	150-B-AL	150-B-ALH	150-B-BR
2"	200-B-AL	200-B-ALH	200-B-BR
2½"	250-B-AL	---	---
3"	300-B-AL	300-B-ALH	300-B-BR
4"	400-B-AL	400-B-ALH	400-B-BR
5"	500-B-AL	---	---
6"	600-B-AL	600-B-ALH	---
8"	800-B-AL ^{1, 2}	---	---

¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size*. The 8" Dixon® design has 4 cam arms.

² Parts are produced as a welded fabrication.

Size	Unplated Malleable Iron Part #	316 Stainless Steel Part #
½"	---	50-B-SS
¾"	---	75-B-SS
1"	---	100-B-SS
1½"	150-B-MI ¹	150-B-SS
2"	200-B-MI	200-B-SS
2½"	---	250-B-SS
3"	300-B-MI ¹	300-B-SS
4"	400-B-MI	400-B-SS
6"	---	600-B-SS

¹ ductile iron

Boss-Lock™ Type B Couplers

coupler x male NPT

Features:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.

Size	356T6 Aluminum Part #	Brass Part #
¾"	---	BB075
1"	AB100	BB100
1¼"	AB125	BB125
1½"	AB150	BB150
2"	AB200	BB200
2½"	AB250	BB250
3"	AB300	BB300
4"	AB400	BB400
6"	AB600	---



356T6 aluminum



brass



plated malleable iron



316 stainless steel

Cam & Groove

Size	Plated Malleable Iron Part #	316 Stainless Steel Part #
¾" x ½"	---	RB050BL
¾"	---	RB075BL
1"	IB100	RB100BL
1¼"	---	RB125BL
1½"	---	RB150BL
2"	IB200	RB200BL
3"	---	RB300BL
4"	---	RB400BL

EZ Boss-Lock™ Type B Couplers

coupler x male NPT

Feature:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.

Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically designed for their use. See pages 121 - 125 for further specifications.



Size	356T6 Aluminum Part #	Brass Part #	316 Stainless Steel Part #
¾" x ½"	---	---	RB050EZ
¾"	---	BB075EZ	RB075EZ
1"	AB100EZ	BB100EZ	RB100EZ
1¼"	---	BB125EZ	RB125EZ
1½"	AB150EZ	BB150EZ	RB150EZ
2"	AB200EZ	BB200EZ	RB200EZ
3"	AB300EZ	BB300EZ	RB300EZ
4"	AB400EZ	BB400EZ	RB400EZ
6"	---	---	RB600EZ



356T6 aluminum



brass



316 stainless steel



Dixon® Type C Couplers coupler x hose shank



356T6 aluminum



aluminum hard coat



brass



unplated ductile iron



316 stainless steel

Features:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.
- ½" Dixon coupler has only one cam arm.
- Pull rings are not supplied on ½" - 1" Dixon® couplings.

Hose ID	356T6 Aluminum Part #	Aluminum Hard Coat Part #	Brass Part #
½"	50-C-AL	---	50-C-BR
¾"	75-C-AL	---	75-C-BR
1"	100-C-AL	---	100-C-BR
1¼"	125-C-AL	---	125-C-BR
1½"	150-C-AL	150-C-ALH	150-C-BR
2"	200-C-AL	200-C-ALH	200-C-BR
2½"	250-C-AL	---	250-C-BR
3"	300-C-AL	300-C-ALH	300-C-BR
4"	400-C-AL	400-C-ALH	400-C-BR
5"	500-C-AL	---	---
6"	600-C-AL	600-C-ALH	600-C-BR
8"	800-C-AL ¹	---	---

Hose ID	Unplated Ductile Iron Part #	316 Stainless Steel Part #
½"	---	50-C-SS
¾"	---	75-C-SS
1"	---	100-C-SS
1¼"	---	125-C-SS
1½"	150-C-MI	150-C-SS
2"	200-C-MI ²	200-C-SS
2½"	---	250-C-SS
3"	300-C-MI ^{2, 3}	300-C-SS
4"	400-C-MI ^{2, 3}	400-C-SS
5"	---	500-C-SS
6"	600-C-MI ^{2, 3}	600-C-SS

¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size*. The 8" Dixon® design has 4 cam arms.

² Suitable for use with King Crimp™ sleeves and ferrules, see pages 111 - 114

³ ductile iron

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.



coupler x hose shank with abrasion resistant inserts

Feature:

- used in extreme abrasion transfer applications such as sand transfer in hydraulic fracturing

Description	UHMW Polyethylene Part #
(400-C-AL) aluminum coupler x hose shank with UHMW insert	400-C-ALINSERT
(400-A-MI) malleable iron coupler x hose shank with UHMW insert	400-C-MIINSERT

Replacement inserts are available on page 172.



400-C-MIINSERT

Dixon® Type C Couplers with Notched NOS Shank coupler x NOS shank

Features:

- system allows you to better manage your inventories, you can stock one stem and two ferrules, and cover the same hose range with less inventory, *you must purchase a fitting and the matching ferrule to create an assembly*
- for hose outside diameters of 2-4/64" and below, *the couplings are crimp only* 
- for hose outside diameters of 2-5/64" and above, the couplings can be crimped or swaged
- for use with notched ferrules on page 143
- see page 195 for male NPT notched NOS fittings

Size	316 Stainless Steel Part #
1½"	150CNOSSS ¹
2"	200CNOSSS
3"	300CNOSSS

¹ part will be discontinued as stock is depleted

Only use the NOS shank with the NOS ferrules.

Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® products. 



Cam & Groove

Boss-Lock™ Type C Couplers coupler x hose shank

Features:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.

Size	356T6 Aluminum Part #	Brass Part #
¾"	AC075	BC075
1"	AC100	BC100
1¼"	AC125	BC125
1½"	AC150	BC150
2"	AC200	BC200
2½"	AC250	BC250
3"	AC300	BC300
4"	AC400	BC400
6"	AC600	BC600
8"	AC800 ¹	---



356T6 aluminum



brass

Size	Plated Malleable Iron Part #	316 Stainless Steel Part #
¾" x ½"	---	RC050BL
¾"	IC075	RC075BL
1"	IC100	RC100BL
1¼"	---	RC125BL
1½"	IC150	RC150BLNO
2"	IC200	RC200BLNO
3"	IC300	RC300BL
4"	IC400 ²	RC400BLNO
6"	IC600 ²	---



plated malleable iron



¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.* 

² ductile iron

EZ Boss-Lock™ Type C Couplers with Collared Hose Shank

coupler x collared hose shank

Cam & Groove



Features:

- design provides greater resistance to end pull than conventional band clamps and are designed for use with Strap-Grip Saddles
 - saddles are sold in pairs and designed for use with 3/4" or 5/8" wide band clamps
 - bands must be purchased separately
- band clamps should first be applied to the OD to seal the hose, then Strap-Grip saddles should be banded over the initial clamp to anchor the fitting in the hose

Size	316 Stainless Steel Part #
1"	RC100CEZ
1½"	RC150CEZ
2"	RC200CEZ

Boss-Lock™ Type C Couplers with Notched Shank

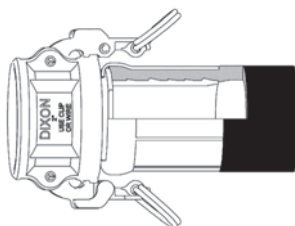
coupler x hose shank



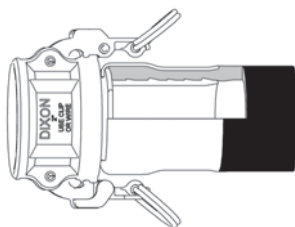
Features:

- coupling can be removed from a damaged hose by cutting away the ferrule, without necessarily damaging the fitting, *after inspection of the fitting to determine its suitability for reuse*, it can be reinstalled into another hose by using a *new ferrule*
- system allows you to better manage your inventories, you can stock one coupling and two ferrules, and cover the same hose range with less inventory, *you must purchase a fitting and the matching ferrule to create an assembly*
- for use with notched ferrules on page 144

Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® products.



crimped assembly



swaged assembly

Size	316 Stainless Steel Part #
1½"	RC150BLNO
2"	RC200BLNO
3"	RC300BLNO
4"	RC400BLNO

Contact Dixon® for swage and crimp recommendations.

EZ Boss-Lock™ Type C Couplers

coupler x hose shank

Feature:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170

Size	356T6 Aluminum Part #	Brass Part #	316 Stainless Steel Part #
3/4" x 1/2"	---	---	RC050EZ
3/4"	AC075EZ	BC075EZ	RC075EZ
1"	AC100EZ	BC100EZ	RC100EZCR
1 1/4"	---	BC125EZ	RC125EZCR
1 1/2"	AC150EZ	BC150EZ	RC150EZNO
2"	AC200EZ	BC200EZ	RC200EZNO
2 1/2"	AC250EZ	---	---
3"	AC300EZ	BC300EZ	RC300EZCR
4"	AC400EZ	BC400EZ	RC400EZCR
6"	AC600EZ	---	RC600EZCR
8"	AC800EZ ¹	---	---

¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size. Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically designed for their use.*

See pages 121 - 125 for further specifications.



356T6 aluminum



brass



316 stainless steel

Cam & Groove

C

EZ Boss-Lock™ Type C Couplers with Phono Finish Shank

Applications:

- The shank design on these fittings was developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes, where shank retention can be a problem when using conventional band clamps.

Features:

- in testing tank transport hoses from a wide variety of manufacturers, the Boss-Lock™ PF fitting showed significant improvement in hose coupling retention over the conventional cam & groove shank design
- for best results we recommend the use of 3/4" wide band clamps found on page 276
- other sizes available, consult Dixon® for pricing and availability

Size	316 Stainless Steel Part #	Optional Qty
2"	RC200EZPF	10
3"	RC300EZPF	5



EZ Boss-Lock™ Type C Couplers with Swaged Ferrule

**Application:**

- Developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes. Swaged Boss-Lock™ provides you with a permanently attached cam and groove fitting when superior coupling retention is required.

Features:

- in testing tank transport hoses from a wide variety of manufacturers, the swaged Boss-Lock™ fitting proved itself to be the clear winner in overall performance
- available on special order, other sizes or hose OD's, consult Dixon® for pricing and availability
- special equipment required for installation*, consult Dixon® for pricing and availability or refer to page 85 for more information

Size	Hose OD		316 Stainless Steel Part #
	from	to	
¾"	1-6/64"	1-22/64"	RC075EZ-70
1"	1-29/64"	1-35/64"	RC100EZ-20
1"	1-36/64"	1-44/64"	RC100EZ-70

EZ Boss-Lock™ Type C Couplers with Notched Hose Shank
coupler x hose shank**Features:**

- coupling can be removed from a damaged hose by cutting away the ferrule, without necessarily damaging the fitting, *after inspection of the fitting to determine its suitability for reuse*, it can be reinstalled into another hose by using a *new ferrule*
- system allows you to better manage your inventories, you can stock one coupling and two ferrules, and cover the same hose range with less inventory, *you must purchase a fitting and the matching ferrule to create an assembly*
- for use with notched ferrules on page 143

Size	316 Stainless Steel Part #
1½"	RC150EZNO
2"	RC200EZNO
3"	RC300EZNO
4"	RC400EZNO

Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® products.



Dixon® Type D Couplers

coupler x female NPT

Features:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.
- ½" Dixon® coupler has only one cam arm.
- Pull rings are not supplied on ½" - 1" Dixon® couplings.

Size	356T6 Aluminum Part #	Aluminum Hard Coat Part #	Brass Part #
½"	50-D-AL	---	50-D-BR
¾"	75-D-AL	---	75-D-BR
1"	100-D-AL	---	100-D-BR
1¼"	125-D-AL	---	125-D-BR
1½"	150-D-AL	150-D-ALH	150-D-BR
2"	200-D-AL	200-D-ALH	200-D-BR
2½"	250-D-AL	---	250-D-BR
3"	300-D-AL	300-D-ALH	300-D-BR
4"	400-D-AL	400-D-ALH	400-D-BR
5"	500-D-AL	---	500-D-BR
6"	600-D-AL	600-D-ALH	600-D-BR
8"	800-D-AL ^{1, 2}	---	---

¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*

² The 8" Dixon® design has 4 cam arms.



Size	Unplated Malleable Iron Part #	316 Stainless Steel Part #
½"	---	50-D-SS
¾"	---	75-D-SS
1"	---	100-D-SS
1¼"	---	125-D-SS
1½"	150-D-MI	150-D-SS
2"	200-D-MI	200-D-SS
2½"	---	250-D-SS
3"	300-D-MI	300-D-SS
4"	400-D-MI ¹	400-D-SS
5"	500-D-MI	500-D-SS
6"	---	600-D-SS

¹ ductile iron



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

Boss-Lock™ Type D Couplers

coupler x female NPT

Cam & Groove



356T6 aluminum



brass



plated malleable iron



316 stainless steel

Features:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 -170.
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.

Size	356T6 Aluminum Part #	Brass Part #
3/4" X 1/2"	AD050	BD050
3/4"	AD075	BD075
1"	AD100	BD100
1 1/4"	AD125	BD125
1 1/2"	AD150	BD150
2"	AD200	BD200
2 1/2"	AD250	BD250
3"	AD300	BD300
4"	AD400	BD400
5"	AD500	---
6"	AD600	BD600
8"	AD800 ¹	---

Size	Plated Malleable Iron Part #	316 Stainless Steel Part #
3/4" X 1/2"	---	RD050BL
3/4"	ID075	RD075BL
1"	ID100	RD100BL
1 1/4"	---	RD125BL
1 1/2"	ID150	RD150BL
2"	ID200	RD200BL
3"	ID300	RD300BL
4"	ID400	RD400BL
6"	ID600 ²	---

¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*

² ductile iron



EZ Boss-Lock™ Type D Couplers

coupler x female NPT

Feature:

- Couplers are supplied standard with a Buna-N gasket. Other gasket types are available on pages 167 - 170.

Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically designed for their use. See page 122 for further specifications



Size	356T6 Aluminum Part #	Brass Part #
3/4" x 1/2"	---	---
3/4"	AD075EZ	BD075EZ
1"	AD100EZ	BD100EZ
1 1/4"	---	BD125EZ
1 1/2"	AD150EZ	BD150EZ
2"	AD200EZ	BD200EZ
2 1/2"	AD250EZ	BD250EZ
3"	AD300EZ	BD300EZ
4"	AD400EZ	BD400EZ
5"	AD500EZ	---
6"	AD600EZ	---
8"	AD800EZ ¹	---

Size	316 Stainless Steel Part #	Heavy Duty 316 Stainless Steel Part #
3/4" x 1/2"	RD050EZ	---
3/4"	RD075EZ	---
1"	RD100EZ	---
1 1/4"	RD125EZ	---
1 1/2"	RD150EZ	---
2"	RD200EZ	---
2 1/2"	RD250EZ	---
3"	RD300EZ	RD300EZHD ²
4"	RD400EZ	RD400EZHD ³
5"	---	---
6"	RD600EZ	---

¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*

² pressure rating of **400 PSI**

³ pressure rating of **300 PSI**



356T6 aluminum



brass



316 stainless steel



heavy duty 316 stainless steel

Cam & Groove

C

Type E Adapters adapter x hose shank

Cam & Groove



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



plated malleable iron



316 stainless steel

Feature:

- Pressure rating is based on the seal of the mating part. See ratings on page 124.

Size	356T6 Aluminum Part #	Aluminum Hard Coat Part #	Brass Part #
1/2"	50-E-AL	---	50-E-BR
3/4" x 1/2"	7550-E-AL	---	---
3/4"	75-E-AL	---	75-E-BR
1"	100-E-AL	---	100-E-BR
1 1/4"	125-E-AL	---	125-E-BR
1 1/2"	150-E-AL	150-E-ALH	150-E-BR
2"	200-E-AL	200-E-ALH	200-E-BR
2 1/2"	250-E-AL	---	250-E-BR
3"	300-E-AL	300-E-ALH	300-E-BR
4"	400-E-AL	400-E-ALH	400-E-BR
5"	500-E-AL	---	---
6"	600-E-AL	600-E-ALH	600-E-BR
8" DIX	800-E-AL ¹	---	---
8" BL	801-E-AL ¹	---	---

¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*



Size	Unplated Malleable Iron Part #	Plated Malleable Iron Part #	316 Stainless Steel Part #
1/2"	---	---	50-E-SS
3/4" x 1/2"	---	---	7550-E-SS
3/4"	---	75-E-PM	75-E-SS
1"	---	100-E-PM	100-E-SS
1 1/4"	---	125-E-PM	125-E-SS
1 1/2"	150-E-MI	150-E-PM	150-E-SS
2"	200-E-MI ²	200-E-PM	200-E-SS
2 1/2"	---	---	250-E-SS
3"	300-E-MI ^{1, 2}	300-E-PM ^{1, 2}	300-E-SS
4"	400-E-MI ^{1, 2}	400-E-PM ^{1, 2}	400-E-SS
5"	---	---	500-E-SS
6"	600-E-MI ^{1, 2}	600-E-PM ^{1, 2}	600-E-SS

¹ suitable for King Crimp™ sleeves and ferrules, see pages 111 - 114

² ductile iron

Type E Adapter with Phono Finish Shank

Applications:

- Shank design developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes, where shank retention can be a problem when using conventional band clamps.

Features:

- When testing tank transport hoses from a wide variety of manufacturers, the Boss-Lock™ PF fitting showed significant improvement in hose coupling retention over the conventional cam and groove shank design.
- for best results Dixon® recommends the use of 3/4" wide band clamps found on page 276
- other sizes available, consult Dixon® for pricing and availability



Size	316 Stainless Steel Part #	Optional Qty
2"	RE200PF	10

LIBERTY EXHIBIT 1012, Page 144

Type E Adapters with Swaged Ferrule

Applications:

- Developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes.

Features:

- provides a permanently attached cam and groove fitting when superior coupling retention is required
- testing tank transport hoses from a wide variety of manufacturers proved the swaged Boss-Lock™ fitting to be the leader in overall performance
- other sizes or hose OD's (available on special order), consult Dixon® for pricing and availability
- special equipment required for installation*, consult Dixon® for pricing and availability or refer to page 85 for more information

Size	Hose OD		316 Stainless Steel Part #
	from	to	
¾"	1-6/64"	1-22/64"	RE075-1370
1"	1-29/64"	1-35/64"	RE100-1620
1"	1-36/64"	1-44/64"	RE100-1770



Cam & Groove

Type E Adapters with Notched Shank
adapter x hose shank

Features:

- can be removed from a damaged hose by cutting away the ferrule without necessarily damaging the fitting, *after inspection of the fitting to determine its suitability for reuse*, it can be reinstalled into another hose by using a *new ferrule*
- system allows you to better manage your inventory, stock one coupling and two ferrules and cover the same hose range with less inventory, *you must purchase a fitting and the matching ferrule to create an assembly*
- for use with notched ferrules below

Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® products.



Size	316 Stainless Steel	
	Part #	
1½"	RE150NO	
2"	RE200NO	
3"	RE300NO	
4"	RE400NO	



swaged assembly



crimped assembly

Notched Ferrules

- reference notched shanks and adapters above
- Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Holedall™ products.



Size	Hose OD		304 Stainless Steel Part #
	From	To	
1½"	1-60/64"	2-12/64"	GAS2334NO
1½"	2-4/64"	2-22/64"	GAS2370NO
2"	2-30/64"	2-44/64"	GAS2709NO
2"	2-42/64"	2-54/64"	GAS2885NO
2½"	2-54/64"	3"	GAS3012NO
2½"	3-1/64"	3-13/64"	GAS3260NO
3"	3-30/64"	3-46/64"	GAS3760NO
3"	3-47/64"	3-54/64"	GAS3885NO
4"	4-40/64"	4-47/64"	GAS5010NO



Type E Adapters with Notched NOS shank adapter x shank

Cam & Groove



Features:

- system allows you to better manage your inventories, you can stock one stem and two ferrules, and cover the same hose range with less inventory, *you must purchase a fitting and the matching ferrule to create an assembly*
- for hose outside diameters of 2-4/64" and below, *the couplings are crimp only* 
- for hose outside diameters of 2-5/64" and above, the couplings can be crimped or swaged
- for use with notched ferrules on page 143
- see page 195 for male NPT notched NOS fittings

Size	316 Stainless Steel Part #
1½"	150ENOSSS ¹
2"	200ENOSSS
3"	300ENOSSS

¹part will be discontinued as stock is depleted

Only use the NOS shank with the NOS ferrules.

Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® products.



Notched NOS Ferrules

- reference notched shanks on page 195 and adapters above



Size	Hose OD		304 Stainless Steel Part #
	From	To	
1½"	1-60/64"	2-12/64"	GAS2334NOS
1½"	2-4/64"	2-22/64"	GAS2370NOS
2"	2-30/64"	2-44/64"	GAS2709NOS
2"	2-42/64"	2-54/64"	GAS2885NOS
3"	3-30/64"	3-46/64"	GAS3760NOS
3"	3-47/64"	3-54/64"	GAS3885NOS
4"	4-40/64"	4-47/64"	GAS5010NOS

Type F Adapters x NPT adapter x male NPT

• Pressure rating is based on the seal of the mating part. See ratings on page 124.



Size	356T6 Aluminum Part #	Aluminum Hard Coat Part #	Brass Part #
1/2"	50-F-AL	---	50-F-BR
3/4" x 1/2"	7550-F-AL	---	7550-F-BR
3/4"	75-F-AL	---	75-F-BR
1"	100-F-AL	---	100-F-BR
1 1/4"	125-F-AL	---	125-F-BR
1 1/2"	150-F-AL	150-F-ALH	150-F-BR
2"	200-F-AL	200-F-ALH	200-F-BR
2 1/2"	250-F-AL	---	250-F-BR
3"	300-F-AL	300-F-ALH	300-F-BR
4"	400-F-AL	400-F-ALH	400-F-BR
5"	500-F-AL	---	---
6"	600-F-AL	600-F-ALH	600-F-BR
8" DIX	800-F-AL ¹	---	---
8" BL	801-F-AL ¹	---	---

¹ Dixon® and Boss-Lock™ cam & groove couplings do not interchange in the 8" size.



Size	Unplated Malleable Iron Part #	Plated Malleable Iron Part #	316 Stainless Steel Part #
1/2"	---	---	50-F-SS
3/4" x 1/2"	---	---	7550-F-SS
3/4"	---	75-F-PM	75-F-SS
1"	---	100-F-PM	100-F-SS
1 1/4"	---	---	125-F-SS
1 1/2"	150-F-MI	150-F-PM	150-F-SS
2"	200-F-MI	200-F-PM	200-F-SS
2 1/2"	---	---	250-F-SS
3"	300-F-MI	300-F-PM	300-F-SS
4"	400-F-MI	400-F-PM	400-F-SS
6"	---	600-F-PM	600-F-SS



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



plated malleable iron



316 stainless

Cam & Groove



Dixon® Type DC Dust Caps

Cam & Groove



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



316 stainless steel

Features:

- Buna-N gasket supplied standard, other gaskets available on pages 167 - 170.
- ½" Dixon® has only one cam arm.
- Pull rings are not supplied on ½" - 1" Dixon® couplings.

Size	356T6 Aluminum Part #	Aluminum Hard Coat Part #	Brass Part #
½"	50-DC-AL	---	50-DC-BR
¾"	75-DC-AL	---	75-DC-BR
1"	100-DC-AL	---	100-DC-BR
1½"	150-DC-AL	150-DC-ALH	150-DC-BR
2"	200-DC-AL	200-DC-ALH	200-DC-BR
2½"	250-DC-AL	---	---
3"	300-DC-AL	300-DC-ALH	300-DC-BR
4"	400-DC-AL	400-DC-ALH	400-DC-BR
5"	500-DC-AL	---	500-DC-BR
6"	600-DC-AL	600-DC-ALH	---
8"	800-DC-AL ^{1, 2}	---	---

¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange* in the 8" size.

² The 8" Dixon® dust cap has 2 cam arms.



Size	Unplated Malleable Iron Part #	316 Stainless Steel Part #
½"	---	50-DC-SS ¹
¾"	---	75-DC-SS
1"	---	100-DC-SS
1½"	---	150-DC-SS
2"	200-DC-MI	200-DC-SS
2½"	---	250-DC-SS
3"	300-DC-MI	300-DC-SS
4"	400-DC-MI	400-DC-SS
5"	---	500-DC-SS
6"	---	600-DC-SS

Dixon® Lockable Dust Caps

Features:

- Buna-N gasket standard, other gaskets available on pages 167 - 170.
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.



Size	356T6 Aluminum Part #	Brass Part #
1½"	150DC-LAL	150DC-LBR
2"	200DC-LAL	200DC-LBR
3"	300DC-LAL	300DC-LBR
4"	400DC-LAL	---
6"	600DC-LAL	---



Cam & Groove

Feature:

- angled, ergonomic thumb release

Size	316 Stainless Steel Part #
1½"	150DC-LSS
2"	200DC-LSS
3"	300DC-LSS
4"	400DC-LSS



C

Boss-Lock™ Type H Dust Caps

Features:

- Buna-N gasket standard, other gaskets available on pages 167 - 170.
- supplied with pull-ring safety clips
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.



Size	356T6 Aluminum Part #	Brass Part #
1"	AH100	BH100
1¼"	AH125	BH125
1½"	AH150	BH150
2"	AH200	BH200
2½"	AH250	BH250
3"	AH300	BH300
4"	AH400	BH400
6"	AH600	BH600
8"	AH800 ¹	---



356T6 aluminum



brass



plated malleable iron



316 stainless steel

Size	Plated Malleable Iron Part #	316 Stainless Steel Part #
¾"	---	RH075BL
1"	---	RH100BL
1¼"	---	RH125BL
1½"	IH150	RH150BL
2"	IH200	RH200BL
3"	IH300	RH300BL
4"	IH400	RH400BL
6"	IH600	---

¹ Dixon® and Boss-Lock™ cam & groove couplings do not interchange in the 8" size.



EZ Boss-Lock™ Type H Dust Caps

Cam & Groove



356T6 aluminum



brass



316 stainless steel

Features:

- Buna-N gasket standard, other gaskets available on pages 167 - 170.
- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.



Size	356T6 Aluminum Part #	Brass Part #	316 Stainless Steel Part #
3/4"	---	---	RH075EZ
1"	AH100EZ	BH100EZ	RH100EZ
1 1/4"	---	---	RH125EZ
1 1/2"	AH150EZ	BH150EZ	RH150EZ
2"	AH200EZ	BH200EZ	RH200EZ
2 1/2"	AH250EZ	---	---
3"	AH300EZ	BH300EZ	RH300EZ
4"	AH400EZ	---	RH400EZ
6"	AH600EZ	---	RH600EZ

- Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically designed for their use. See pages 122 and 166 for further specifications.



Type DP Dust Plugs

- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.



Size	356T6 Aluminum Part #	Aluminum Hard Coat Part #	Brass Part #
1/2"	---	---	50-DP-BR
3/4"	75-DP-AL	---	75-DP-BR
1"	100-DP-AL	---	100-DP-BR
1 1/4"	125-DP-AL	---	125-DP-BR
1 1/2"	150-DP-AL	150-DP-ALH	150-DP-BR
2"	200-DP-AL	200-DP-ALH	200-DP-BR
2 1/2"	250-DP-AL	---	---
3"	300-DP-AL	300-DP-ALH	300-DP-BR
4"	400-DP-AL	400-DP-ALH	400-DP-BR
5"	500-DP-AL	---	---
6"	600-DP-AL	600-DP-ALH	600-DP-BR
8" DIX	800-DP-AL ¹	---	---
8" BL	801-DP-AL ¹	---	---

¹ Dixon® and Boss-Lock™ cam & groove couplings do not interchange in the 8" size.



Size	Unplated Malleable Iron Part #	Plated Malleable Iron Part #	316 Stainless Steel Part #
1/2"	---	---	50-DP-SS ¹
3/4"	---	---	75-DP-SS
1"	---	---	100-DP-SS
1 1/4"	---	125-DP-PM	125-DP-SS
1 1/2"	150-DP-MI	150-DP-PM	150-DP-SS
2"	200-DP-MI	200-DP-PM	200-DP-SS
2 1/2"	---	250-DP-PM	250-DP-SS
3"	300-DP-MI	300-DP-PM	300-DP-SS
4"	400-DP-MI	400-DP-PM	400-DP-SS
6"	---	---	600-DP-SS

Cam & Groove

C



356T6 aluminum



aluminum hard coat



brass



unplated malleable iron



plated malleable iron



316 stainless steel

Type A Adapters

adapter x female NPT

Cam & Groove



Size	Hastelloy® CW12MW Part #
1"	100-A-HA
1½"	150-A-HA
2"	200-A-HA
3"	300-A-HA

- Pressure rating is based on the seal material of the mating part. See rating on page 124

Type E Adapters

adapter x shank



Size	Hastelloy® CW12MW Part #
1"	100-E-HA ¹
1½"	150-E-HA
2"	200-E-HA ¹
3"	300-E-HA

- Pressure rating is based on the seal material of the mating part. See rating on page 124

¹ have King Crimp™ shank

Type F Adapters

adapter x male NPT



Size	Hastelloy® CW12MW Part #
1"	100-F-HA
1½"	150-F-HA
2"	200-F-HA
3"	300-F-HA

- Pressure rating is based on the seal material of the mating part. See rating on page 124

EZ Boss-Lock™ Type B Couplers

coupler x male NPT

Materials:

- EZ Boss-Lock™ cam arms: 316 stainless steel
- pins: 302 stainless steel
- rings: yellow zinc plated 12 gauge steel wire

Feature:

- couplers supplied with FKM gaskets

Size	Hastelloy® CW12MW Part #
1"	HAB100EZ
1½"	HAB150EZ
2"	HAB200EZ
3"	HAB300EZ



Cam & Groove

EZ Boss-Lock™ Type C Couplers

coupler x hose shank

Materials:

- EZ Boss-Lock™ cam arms: 316 stainless steel
- pins: 302 stainless steel
- rings: yellow zinc plated 12 gauge steel wire

Feature:

- couplers supplied with FKM gaskets

Size	Hastelloy® CW12MW Part #
1"	HAC100EZ ¹
1½"	HAC150EZ
2"	HAC200EZ ¹
3"	HAC300EZ

¹ King Crimp™ shank

EZ Boss-Lock™ Type D Couplers

coupler x female NPT

Materials:

- EZ Boss-Lock™ cam arms: 316 stainless steel
- pins: 302 stainless steel
- rings: yellow zinc plated 12 gauge steel wire

Feature:

- couplers supplied with FKM gaskets

Size	Hastelloy® CW12MW Part #
1"	HAD100EZ
1½"	HAD150EZ
2"	HAD200EZ
3"	HAD300EZ





Type DA Couplings with Port coupler x adapter

Feature:

- Buna-N gasket standard with a, other gaskets available on pages 167 - 170.

Size	Port	316 Stainless Steel Part #
3" x 3"	1/4"	300DAT25SS
3" x 3"	3/8"	300DAT38SS
3" x 3"	1/2"	300DAT50SS
3" x 3"	3/4"	300DAT75SS

Type DA Jump Size Couplings coupler x adapter

Feature:

- Buna-N gasket standard with a, other gaskets available on pages 167 - 170.

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1" x 1 1/2"	1015-DA-AL ¹	1015-DA-SS ¹
1 1/2" x 1"	1510DAAL	1510-DA-SS ¹
1 1/2" x 2"	1520-DA-AL	1520-DA-SS
2" x 1"	2010-DA-AL ¹	2010-DA-SS
2" x 1 1/2"	2015-DA-AL	2015-DA-SS
2" x 2 1/2"	2025-DA-AL ¹	2025-DA-SS ¹
2" x 3"	2030-DA-AL	2030-DA-SS
2" x 4"	2040-DA-AL	2040-DA-SS ¹
2 1/2" x 2"	---	2520-DA-SS ¹
2 1/2" x 3"	---	2530-DA-SS ¹
3" x 1 1/2"	3015-DA-AL	3015-DA-SS ¹
3" x 2"	3020-DA-AL	3020-DA-SS
3" x 2 1/2"	3025-DA-AL ¹	3025-DA-SS ¹
3" x 4"	3040-DA-AL	3040-DA-SS
3" x 6"	3060-DA-AL ¹	3060-DA-SS ¹
4" x 2"	4020-DA-AL	4020-DA-SS ¹
4" x 2 1/2"	4025-DA-AL	4025-DA-SS ¹
4" x 3"	4030-DA-AL	4030-DA-SS
4" x 5"	4050-DA-AL	---
4" x 6"	4060-DA-AL	4060-DA-SS ¹
5" x 3"	5030-DA-AL ¹	5030-DA-SS ¹
5" x 4"	5040-DA-AL	5040-DA-SS ¹
5" x 6"	5060-DA-AL ¹	5060-DA-SS ¹
6" x 3"	6030-DA-AL	6030-DA-SS ¹
6" x 4"	6040-DA-AL	6040-DA-SS
6" x 5"	6050-DA-AL	6050-DA-SS ¹
8" x 6"	8060-DA-AL ^{1, 2}	---

¹ parts are produced as a welded fabrication

² The 8" coupler only interchanges with Dixon® adapters.



Size	Brass Part #	Unplated Malleable Iron Part #
3" x 2"	3020-DA-BR	3020-DA-MI
3" x 4"	3040-DA-BR	---
4" x 3"	4030-DA-BR	4030-DA-MI
6" x 4"	6040-DA-BR	6040-DA-MI

Note: In reducing cam & groove couplings, the coupler is the first size in the part number; (i.e., a 4030-DA-AL is a 4" coupler to a 3" adapter).



4030-DA-SS



4060-DA-AL



2015-DA-AL



5060-DA-AL

Boss-Lock™ Type DA Jump Size coupler x adapter

Features:

- Buna-N gasket standard, other gaskets available on pages 167 - 170.
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
2" x 3"	ADA2030 ¹	RDA2030BL ¹
2½" x 2"	ADA2520 ¹	---
2½" x 3"	ADA2530 ¹	---
3" x 2"	ADA3020	RDA3020BL
3" x 4"	ADA3040 ¹	RDA3040BL ¹
4" x 2"	ADA4020 ¹	RDA4020BL ¹
4" x 3"	ADA4030	RDA4030BL
6" x 4"	ADA6040 ¹	---
8" x 6"	ADA8060 ^{1,2}	---

¹ parts are produced as a welded fabrication

² The 8" coupler only interchanges with 8" Boss-Lock™ couplings.



Note: In reducing cam & groove couplings, the coupler is the first size in the part number; (i.e., a ADA4030 is a 4" coupler to a 3" adapter).



Cam & Groove

EZ Boss-Lock™ Type DA Jump Size coupler x adapter

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170.

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
2" x 3"	ADA2030EZ ¹	RDA2030EZ ¹
3" x 2"	ADA3020EZ	RDA3020EZ
3" x 4"	ADA3040EZ ¹	RDA3040EZ ¹
4" x 2"	ADA4020EZ ¹	RDA4020EZ ¹
4" x 3"	ADA4030EZ	RDA4030EZ
6" x 4"	ADA6040EZ ¹	RDA6040EZ

¹ parts are produced as a welded fabrication

Note: In reducing cam & groove couplings, the coupler is the first size in the part number; (i.e., a ADA4030EZ is a 4" coupler to a 3" adapter).



Dixon® Type DA Jump Size with Port coupler x adapter

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170.

Size	Port	316 Stainless Steel Part #
3" x 2"	¼"	3020DAT25SS
3" x 2"	⅜"	3020DAT38SS
3" x 2"	½"	3020DAT50SS
3" x 2"	¾"	3020DAT75SS

Note: In reducing cam & groove couplings, the coupler is the first size in the part number; (i.e., a ADA4030EZ is a 4" coupler to a 3" adapter).



port on lug

Type DA Spool Adapters

adapter x adapter

Feature:

- pressure rating is based on the seal of the mating part, see ratings on page 124

Cam & Groove



increaser / reducer



same size

Size	356T6 Aluminum Part #	316 Stainless Steel Part #	Unplated Malleable Iron Part #
1"	---	100-AA-SS	---
1¼"	---	125-AA-SS ¹	---
1½"	150-AA-AL	150-AA-SS	---
1½" x 2"	1520-AA-AL	1520-AA-SS	---
2"	200-AA-AL	200-AA-SS	---
2" x 3"	2030-AA-AL	2030-AA-SS	---
2" x 4"	2040-AA-AL	2040-AA-SS ¹	---
2½" x 3"	2530-AA-AL ¹	2530-AA-SS ¹	---
2½" x 4"	2540-AA-AL ¹	---	---
3"	300-AA-AL	300-AA-SS	---
3" x 4"	3040-AA-AL	3040-AA-SS ¹	---
4"	400-AA-AL	400-AA-SS	NEW 400-AA-MI
4" x 5"	4050-AA-AL	---	---
4" x 6"	4060-AA-AL	4060-AA-SS ¹	---
5"	500-AA-AL ¹	500-AA-SS ¹	---
5" x 6"	5060-AA-AL ¹	---	---
6"	600-AA-AL	600-AA-SS ¹	---

¹ parts are produced as a welded fabrication

Size	Brass Part #
2"	200-AA-BR
3"	300-AA-BR

Type DD Dixon® Couplers

coupler x coupler

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170



reducer / increaser



same size

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1½"	---	150-DD-SS ¹
2"	200-DD-AL	200-DD-SS
2" x 3"	2030-DD-AL	2030-DD-SS
3"	300-DD-AL	300-DD-SS
3" x 4"	3040-DD-AL	3040-DD-SS ¹
4"	400-DD-AL	400-DD-SS
4" x 5"	4050-DD-AL ¹	4050-DD-SS ¹
4" x 6"	4060-DD-AL ¹	4060-DD-SS
5"	500-DD-AL ¹	500-DD-SS
6"	600-DD-AL	---

¹ parts are produced as a welded fabrication

Type DD Boss-Lock™ Couplers

coupler x coupler

Features:

- Buna-N gasket standard, other gaskets available on pages 167 - 170
- All Boss-Lock™ couplers are supplied with pull-ring safety clips.



reducer / increaser



same size

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
2"	ADD200 ¹	RDD200EZ
2" x 3"	ADD2030 ¹	RDD2030EZ ¹
3"	ADD300 ¹	RDD300EZ ¹
3" x 4"	ADD3040 ¹	RDD3040EZ ¹
4"	ADD400 ¹	RDD400EZ ¹
6"	---	RDD600EZ ¹

¹ parts are produced as a welded fabrication

Type A Jump Size Adapters

adapter x female NPT

Feature:

- pressure rating is based on the seal of the mating part, see ratings on page 124

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
2" x 1½"	2015-A-AL	2015-A-SS ¹
2" x 3"	2030-A-AL	2030-A-SS
3" x 2"	3020-A-AL	3020-A-SS
3" x 4"	3040-A-AL	---
4" x 3"	4030-A-AL	4030-A-SS ¹
4" x 6"	4060-A-AL	---
6" x 4"	6040-A-AL	6040-A-SS ¹

¹ parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number.
(i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).



Cam & Groove

Dixon® Type B Jump Size Couplers

coupler x male NPT

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1½" x 1"	1510-B-AL	1510-B-SS ¹
2" x 1½"	2015-B-AL	2015-B-SS ¹
2" x 3"	2030-B-AL	---
3" x 2"	3020-B-AL	3020-B-SS ¹
3" x 4"	3040-B-AL	---
4" x 3"	4030-B-AL	4030-B-SS ¹

¹ parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number.
(i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).



Dixon® Type C Jump Size Couplers

coupler x hose shank

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1½" x 1"	---	1510-C-SS
2" x 1½"	2015-C-AL ¹	2015-C-SS ¹
3" x 2"	3020-C-AL	3020-C-SS
3" x 2½"	---	3025-C-SS
3" x 4"	3040-C-AL	---
4" x 3"	4030-C-AL	4030-C-SS ¹
5" x 4"	5040-C-AL ¹	---

¹ parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number.
(i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).



Dixon® Type D Jump Size Couplers coupler x female NPT

Cam & Groove

**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	Optional Qty	Brass Part #	316 Stainless Steel Part #
1½" x 1"	1510-D-AL	10	---	1510-D-SS ¹
2" x 1½"	2015-D-AL	10	---	2015-D-SS
3" x 2"	3020-D-AL	10	---	3020-D-SS
4" x 3"	4030-D-AL	10	4030-D-BR	4030-D-SS ¹
5" x 4"	5040-D-AL ¹	---	---	---
6" x 4"	6040-D-AL ¹	---	---	---

¹ parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

Type E Jump Size Adapters adapter x hose shank

**Feature:**

- pressure rating is based on the seal of the mating part, see ratings on page 124

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1½" x 1"	---	1510-E-SS
2" x 1½"	2015-E-AL ¹	2015-E-SS ¹
3" x 2"	---	3020-E-SS ¹
3" x 2½"	---	3025-E-SS
4" x 3"	4030-E-AL	4030-E-SS ¹
5" x 4"	5040-E-AL ¹	---

¹ parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-B-AL is a 4" coupler to a 3" male NPT).

Type F Jump Size Adapters adapter x male NPT

Feature:

- pressure rating is based on the seal of the mating part, see ratings on page 124



Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1½" x 2"	1520-F-AL	---
2" x 1½"	2015-F-AL	2015-F-SS ¹
2" x 3"	2030-F-AL	---
3" x 1½"	3015-F-AL	3015-F-SS ¹
3" x 2"	3020-F-AL	3020-F-SS
3" x 4"	3040-F-AL	---
4" x 3"	4030-F-AL	4030-F-SS

¹ parts are produced as a welded fabrication

Note: In reducing couplings, the cam & groove end is the first size given in the part number. (i.e., a 4030-C-AL is a 4" coupler to a 3" hose shank).

Dixon® Type DA 45° Elbows adapter x coupler

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	316 Stainless Steel Part #	Unplated Malleable Iron Part #
2"	200DA-45AL ¹	200DA-45SS ¹	---
3"	300DA-45AL	300DA-45SS ¹	---
4"	400DA-45AL	400DA-45SS ¹	400DA-45MI
6"	600DA-45AL	---	---

¹ part is produced as a welded fabrication



Cam & Groove

Dixon® Type DD 45° Elbows coupler x coupler

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
2"	200DD-45AL ¹	---
3"	300DD-45AL ¹	300DD-45SS ¹
4"	400DD-45AL	---
6"	600DD-45AL ¹	---

¹ part is produced as a welded fabrication



C

Dixon® Type DA 90° Elbows adapter x coupler

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1"	---	100DA-90SS ¹
1½"	150DA-90AL ¹	150DA-90SS ¹
2"	200DA-90AL	200DA-90SS
3"	300DA-90AL	300DA-90SS
4"	400DA-90AL	400DA-90SS
5"	500DA-90AL ¹	---
6"	600DA-90AL	RDA90600EZ ^{1,2}

¹ part is produced as a welded fabrication

² EZ Boss-Lock™ design (not pictured)



Dixon® Type DD 90° Elbows coupler x coupler

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
2"	200DD-90AL	---
3"	300DD-90AL ¹	300DD-90SS ¹
4"	400DD-90AL	---
6"	600DD-90AL	---

¹ part is produced as a welded fabrication



Type A 90° Adapters Elbows

Feature:

- pressure rating is based on the seal of the mating part, see ratings on page 124

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1½"	150A-90AL	---
2"	200A-90AL	200A-90SS ¹
3"	300A-90AL	300A-90SS
4"	400A-90AL	---

¹ part is produced as a welded fabrication



Type B 90° Dixon® Elbows coupler x male NPT


Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1½"	150B-90AL	---
2"	200B-90AL	200B-90SS ¹
3"	---	300B-90SS ¹

¹ Parts are produced as a welded fabrication.

Type C 90° Dixon® Elbows coupler x hose shank


Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	Brass Part #	316 Stainless Steel Part #
1¼"	---	125C-90BR	---
1½"	150C-90AL	---	150C-90SS
2"	200C-90AL	200C-90BR	200C-90SS
3"	300C-90AL	---	300C-90SS
4"	400C-90AL	---	400C-90SS ¹
6"	600C-90AL	---	---

¹ part is produced as a welded fabrication

Type D 90° Dixon® Elbows coupler x female NPT



EZ Boss-Lock™ design

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #	Brass Part #	316 Stainless Steel Part #
1"	---	---	100D-90SS
1¼"	---	125D-90BR	---
1½"	150D-90AL	150D-90BR	---
2"	200D-90AL	200D-90BR	200D-90SS
3"	300D-90AL	---	300D-90SS
4"	400D-90AL	---	400D-90SS ¹
4"	AD90400EZ ²	---	---
6"	600D-90AL	---	---

¹ part is produced as a welded fabrication

² EZ Boss-Lock™ design

Type E 90° Elbows adapter x hose shank

Feature:

- pressure rating is based on the seal of the mating part, see ratings on page 124

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
2"	---	200E-90SS ¹
3"	300E-90AL	300E-90SS
4"	400E-90AL	400E-90SS ¹

¹ parts are produced as a welded fabrication



Cam & Groove

Type F 90° Elbows adapter x male NPT

Feature:

- pressure rating is based on the seal of the mating part, see ratings on page 124

Size	356T6 Aluminum Part #	316 Stainless Steel Part #
1½"	150F-90AL	---
2"	200F-90AL	200F-90SS ¹
3"	---	300F-90SS ¹

¹ parts are produced as a welded fabrication



C

Adapter x 150# Flange

Features:

- aluminum and unplated iron flanges are flat faced
- stainless steel flanges are raised face
- reference dixonvalve.com for flange bolt hole drilling circle standards
- flanges are designed to mate with 150# flange
- flanges have the same bolt hole pattern as an ANSI 150 lb. flange, the thickness may vary



Size	356T6 Aluminum Part #	Flange Thick.	Unplated Malleable Iron Part #	Flange Thick.	316 Stainless Steel Part #	Flange Thick.
1"	---	---	---	---	100-AL-SS	9/16"
1½"	---	---	---	---	150-AL-SS	11/16"
2"	200-AL-AL	¾"	---	---	200-AL-SS	7/16"
3"	300-AL-AL	⅝"	300-AL-MI	⅝"	300-AL-SS	7/16"
4"	400-AL-AL	⅝"	---	---	400-AL-SS	7/16"
6"	600-AL-AL	⅝"	---	---	600-AL-SS	5/8"
8"	800-AL-AL ¹	1⅛"	---	---	---	---

¹ part is produced as a welded fabrication

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Adapter x 150# ANSI Flange

Feature:

- global product made to Dixon® specifications



Size	316 Stainless Steel Part #	Flange Thickness
2"	200-AL-SSANSI	¾"
3"	300-AL-SSANSI	15/16"

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Dixon® Coupler x 150# Flange

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170



Size	356T6 Aluminum Part #	Flange Thick	316 Stainless Steel Part #	Flange Thick.
1"	---	---	100-DL-SS	21/32"
1½"	---	---	150-DL-SS	25/32"
2"	200-DL-AL	3/4"	200-DL-SS	7/16"
3"	300-DL-AL	15/16"	300-DL-SS	7/16"
4"	400-DL-AL	15/16"	400-DL-SS	7/16"
6"	600-DL-AL	1"	600-DL-SS	5/8"
8"	800-DL-AL ¹	1-1/8"	---	---

¹ part is produced as a welded fabrication

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

EZ Boss-Lock™ Coupler x 150# Flange

Feature:

- Buna-N gasket standard, other gaskets available on pages 167 - 170



Size	316 Stainless Steel Part #	Flange Thickness
1"	RDL100EZ ¹	9/16"
1½"	RDL150EZ ¹	11/16"
2"	RDL200EZ	7/16"
3"	RDL300EZ ¹	7/16"
4"	RDL400EZ ¹	7/16"
6"	RDL600EZ ¹	1"

¹ parts are produced as a welded fabrication

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Features:

- not all configurations are stocked
- Boss-Lock™ versions are also available, consult Dixon® for pricing and availability
- CAD models are for reference only, consult Dixon® for specific dimensions
- final weld preparation, as with all weld fittings, is the responsibility of the welder



Dixon® Coupler Socket Weld to Schedule 40 Pipe

Size	Bore	356T6 Aluminum Part #	316 Stainless Steel Part #
¾"	1.065	---	75DWSPSS
1"	1.330	100DWSPAL	100DWSPSS
1½"	1.915	150DWSPAL	150DWSPSS
2"	2.390	200DWSPAL	200DWSPSS
3"	3.530	300DWSPAL	300DWSPSS
4"	4.530	400DWSPAL	400DWSPSS
5"	5.562	500DWSPAL	500DWSPSS
6"	6.655	600DWSPAL	600DWSPSS
8"	8.711	800DWSPAL ¹	---

¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange* in the 8" size. The 8" Dixon® design has 4 cam arms.



Cam & Groove

C

Dixon® Coupler Butt Weld to Schedule 40 Pipe/Socket Weld to Nominal Tubing

Size	Bore	356T6 Aluminum Part #	316 Stainless Steel Part #
¾"	.765	---	75DWBPSTSS
1"	1.015	---	100DWBPSTSS
1½"	1.515	150DWBPSTAL	150DWBPSTSS
2"	2.015	200DWBPSTAL	200DWBPSTSS
3"	3.015	300DWBPSTAL	300DWBPSTSS
4"	4.015	400DWBPSTAL	400DWBPSTSS
5"	5.015	500DWBPSTAL	---
6"	6.020	600DWBPSTAL	---



EZ Boss-Lock™ Coupler Socket Weld to Schedule 40 Pipe

Size	Bore	316 Stainless Steel Part #
¾"	1.065	RDWSP075EZ
1"	1.330	RDWSP100EZ
1½"	1.915	RDWSP150EZ
2"	2.390	RDWSP200EZ
3"	3.530	RDWSP300EZ
4"	4.530	RDWSP400EZ
6"	6.655	RDWSP600EZ



EZ Boss-Lock™ Coupler Butt Weld to Schedule 40 Pipe / Socket Weld to Nominal Tubing

Cam & Groove



- Buna-N gaskets standard, other gaskets available on pages 167 - 170

Size	Bore	316 Stainless Steel Part #
¾"	.765	RDWBPST075EZ
1"	1.015	RDWBPST100EZ
1½"	1.515	RDWBPST150EZ
2"	2.015	RDWBPST200EZ
3"	3.015	RDWBPST300EZ
4"	4.015	RDWBPST400EZ
6"	6.020	RDWBPST600EZ

C

Adapter Socket Weld to Schedule 40 Pipe



- not all configurations are stocked

Size	Bore	356T6 Aluminum Part #	316 Stainless Steel Part #
¾"	1.065	---	75AWSPSS
1"	1.330	---	100AWSPSS
1½"	1.915	150AWSPAL	150AWSPSS
2"	2.390	200AWSPAL	200AWSPSS
3"	3.530	300AWSPAL	300AWSPSS
4"	4.530	400AWSPAL	400AWSPSS
5"	5.593	500AWSPAL	500AWSPSS
6"	6.655	600AWSPAL	600AWSPSS
8" DIX	8.711	800AWSPAL ¹	---
8" BL	8.711	801AWSPAL ¹	---

- ¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*
- final weld preparation, as with all weld fittings, is the responsibility of the welder



Adapter Butt Weld to Schedule 40 Pipe/Socket Weld to Nominal Tubing



Size	Bore	356T6 Aluminum Part #	316 Stainless Steel Part #
¾"	.765	---	75AWBPSTSS
1"	1.015	---	100AWBPSTSS
1½"	1.515	150AWBPSTAL	150AWBPSTSS
2"	2.015	200AWBPSTAL	200AWBPSTSS
3"	3.015	300AWBPSTAL	300AWBPSTSS
4"	4.015	400AWBPSTAL	400AWBPSTSS
5"	5.015	500AWBPSTAL	500AWBPSTSS
6"	6.020	600AWBPSTAL	600AWBPSTSS
8" BL	8.035	801AWBPSTAL ¹	---

- ¹ Dixon® and Boss-Lock™ cam & groove couplings *do not interchange in the 8" size.*



Boss-Lock™ Coupler x Tube with 45° Cut

Application:

- for use on trailer relief valves

Features:

- butt weld to tubing
- Buna-N gaskets standard, other gaskets available on pages 167 - 170
- All Boss-Lock™ couplers are supplied with pull-ring safety clips

Size	356T6 Aluminum Part #
2"	AC200TUBE



Cam & Groove

In-Line Sight Glasses

Application:

- designed for dry bulk transfer hose

Materials:

- body: aluminum
- seals: Buna
- sight glass: acrylic
- hardware: stainless steel
- cam arms (where applicable): bronze

Feature:

- not intended for liquid service, for dry bulk transfer *only*



Coupler x Adapter

Size	Aluminum Part #
3" x 3"	3533CA
3" x 4"	3534CA
4" x 3"	3543CA
4" x 4"	3544CA



Adapter x Adapter

Size	Aluminum Part #
3" x 3"	3533AA
3" x 4"	3534AA
4" x 4"	3544AA



Coupler x Coupler

Size	Aluminum Part #
3" x 3"	3533CC
4" x 3"	3543CC
4" x 4"	3544CC



Adapter x Female NPSM

Application:

- used in the delivery of dry goods

**Features:**

- cork buna gaskets are standard in threaded end
- pressure rating is based on the seal of the mating part, see ratings on page 124
- replacement gasket; **400GAGFI**

Size	356T6 Aluminum Part #
4"	400-AS-AL

Boss-Lock™ Coupler x Female NPSM

**Features:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170
- All Boss-Lock™ couplers are supplied with pull-ring safety clips

Size	356T6 Aluminum Part #
4"	ADS400

Dixon® Coupler x Adapter Wye

**Feature:**

- Buna-N gasket standard, other gaskets available on pages 167 - 170

Size	356T6 Aluminum Part #
2"	200YDAAAL

Dixon® Cam & Groove Handles

Features:

- stainless steel pins standard with all assemblies
- roll pins are 302 stainless, solid pins are 303 stainless
- pull rings are standard on sizes 1¼" thru 6", optional on other sizes
- Domestic Dixon® standard handle assemblies are only to be used with standard Dixon® parts (not global). Handles do not interchange with other manufacturer's handles or couplers.



Coupler Size	Description	Brass Part #	316 Sintered Stainless Steel Part #
½"	cam arm and pin	---	50-HP-SP
¾"	cam arm and pin	---	75-HP-SP
1"	cam arm and pin	---	100-HP-SP
1¼" - 2½"	cam arm, ring and pin	200-HRP-BR	200-HRP-SP
3" - 5"	cam arm, ring and pin	300-HRP-BR	300-HRP-SP
6"	cam arm, ring and pin	600-HRP-BR	---
8"	cam arm and pin	800-HNP-BR	---



brass

Cam & Groove



316 sintered stainless steel



316 investment stainless steel

Coupler Size	Description	316 Investment Stainless Steel Part #
2"	cam arm, ring and pin	200-HSCR-SP
3"	cam arm, ring and pin	300-HSCR-SP
6"	cam arm, ring and pin	600-HRP-SI

Dixon® Cam & Groove Locking Handles for Dust Caps

Features:

- Dixon® locking handles are only to be used with standard Dixon® parts (not global). Handles do not interchange with other manufacturer's handles or couplers.
- not supplied with pins



Coupler Size	Hole Diameter	Brass Part #	316 Investment Stainless Steel Part #
2"	9/32"	200-LH-BR	200-LH-SI
3"	5/16"	300-LH-BR	300-LH-SI
4"	¾"	400-LH-BR	400-LH-SI



200-LH-SI



300-LH-BR

Boss-Lock™ Cam & Groove Handles

Feature:

- Boss-Lock™ handles should only be used with Boss-Lock™ parts. Handles do not interchange with other manufacturer's handles or couplers.



Coupler Size	Brass Part #	316 Investment Stainless Steel Part #	Plated Iron Part #
¾" - 1"	BHSC175	RHSC175	---
1¼" - 2½"	BHSC152	RHSC152	IHSC152
3" and 4"	BHSC34	RHSC34	IHSC34



IHSC152



IH6

Coupler Size	Brass Part #	Plated Iron Part #
6" and 8"	BH6	IH6

EZ Boss-Lock™ Cam & Groove Handles

Features:

- investment cast stainless steel cam arm and lever
- 316 stainless steel spring
- stainless steel pin, washer, plated carbon steel pull ring



Coupler Size	Brass Part #
¾" - 1"	RHEZ175
1¼" - 2½"	RHEZ152
3" - 5"	RHEZ34
6" and 8"	RHEZ6

Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically produced for their use. The aluminum, brass and iron are made from sand castings. To ensure proper functioning of the EZ Boss-Lock™ cam arm assemblies, we sort the castings to ensure there is sufficient length and orientation on the lugs on the main casting to engage the lever. We also buff or grind the rougher sand cast surface to ensure that the lever will move freely. *The EZ Boss-Lock™ cam arms cannot be retrofitted onto existing aluminum, brass or plated iron Boss-Lock™ already in service.*



Dixon® Coupling Paddle Handles



316 investment cast stainless steel



brass

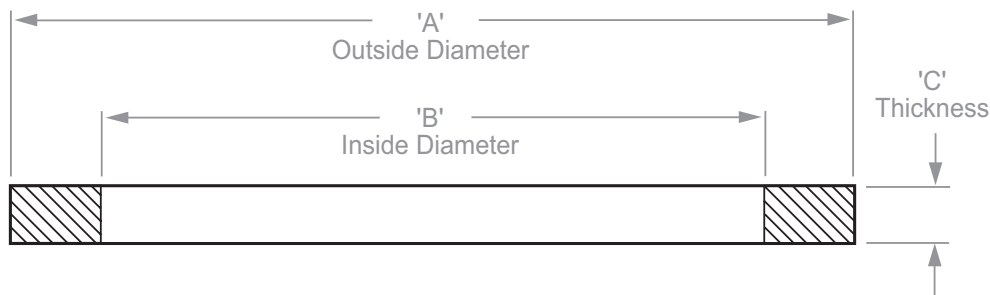
Features:

- Dixon® paddle handles are only to be used with standard Dixon® parts (not global). Handles do not interchange with other manufacturer's handles or couplers.
- not supplied with pins



Coupler Size	Brass Part #	316 Investment Cast Stainless Steel Part #
3" and 4"	300H-PADBR	300H-PADSS

Cam & Groove Gasket Dimensions



Cam & Groove

- nominal dimensions for elastomeric cam & groove gaskets are listed
- ID's of the PTFE envelope gaskets and the PTFE accordion gaskets are $1/16"$ smaller than the ID's for the elastomeric gaskets shown below
- thickness of PTFE accordion gaskets may vary from chart below

Size	Part #	Dimensions		
		A	B	C
$\frac{1}{2}"$	50-G ¹	1-1/32"	11/16"	.156"
$\frac{3}{4}"$	75-G	1-3/8"	7/8"	.218"
1"	100-G	1-9/16"	1-1/16"	.250"
1 $\frac{1}{4}"$	125-G	1-15/16"	1-23/64"	.250"
1 $\frac{1}{2}"$	150-G	2-3/16"	1-5/8"	.250"
2"	200-G	2-5/8"	2"	.250"
2 $\frac{1}{2}"$	250-G	3-1/8"	2-3/8"	.250"
3"	300-G	3-23/32"	3"	.250"
4"	400-G	4-7/8"	4"	.250"
5"	500-G	5-15/16"	4-7/8"	.250"
6"	600-G	7-1/16"	6"	.250"
8"	800-G ¹	9-5/16"	8-1/8"	.343"

¹ No interchange standard exists for the $\frac{1}{2}"$ and 8" fittings. Generally, these sizes do not interchange with other manufacturer's products. As such, the gaskets in these sizes are not suitable for use in other manufacturers' couplings.



Cam & Groove Gasket Color Codes

Gasket Code ¹	Material	Color	Color code stripes (appear on the OD of the gasket or filler)
-BU	Buna-N (standard in all metal fittings)	black	1 blue
-BF	Buna (formulated for fuel service)	black	1 green
-VI	FKM	black	1 yellow
-THK	Extra Thick Buna	black	2 blue
-EPR	Ethylene Propylene	black	1 white
-NE	Neoprene	black	1 red
-WNE	White Neoprene, FDA approved material	white	none
-WB	White Buna-N, FDA approved material	white	blue
-SIL	Silicone	red	none
-TF	PTFE (TFE) envelope with Buna-N filler	white / black	1 blue
TFVI	PTFE (TFE) envelope with FKM filler	white / black	1 yellow
TFWB	PTFE (TFE) envelope with White Buna-N filler, FDA approved materials	white / white	blue
TFEP	PTFE (TFE) envelope with Ethylene Propylene filler	white / black	1 white stripe
-TES	PTFE (FEP) encapsulated Silicone core, FDA approved materials	translucent / red	none
-TEV	PTFE (FEP) encapsulated FKM core	translucent / black	none
TFACC	PTFE (TFE) accordion, FDA approved materials	white	none

¹ part number suffix

Since other manufacturer's coding systems vary, this chart should not be used as a reference in identifying gaskets of unknown origin.



Cam & Groove Gaskets

Cam & Groove



Buna-N



FKM

Size	Buna-N Part #	FKM Part #
1/2"	50-G-BU	50-G-VI
3/4"	75-G-BU	75-G-VI
1"	100-G-BU	100-G-VI
1 1/4"	125-G-BU	125-G-VI
1 1/2"	150-G-BU	150-G-VI
2"	200-G-BU	200-G-VI
2 1/2"	250-G-BU	250-G-VI
3"	300-G-BU	300-G-VI
4"	400-G-BU	400-G-VI
5"	500-G-BU	500-G-VI
6"	600-G-BU	600-G-VI
8"	800-G-BU	800-G-VI



extra thick Buna-N



ethylene propylene

Size	extra thick Buna-N Part #	Ethylene Propylene Part #
3/4"	---	75-G-EPR
1"	100GTHK	100-G-EPR
1 1/4"	125GTHK	125-G-EPR
1 1/2"	150GTHK	150-G-EPR
2"	200GTHK	200-G-EPR
2 1/2"	250GTHK	250-G-EPR
3"	300GTHK	300-G-EPR
4"	400GTHK	400-G-EPR
6"	600GTHK	---

NEW



neoprene



white neoprene

Size	Neoprene Part #	white Neoprene ¹ Part #
3/4"	75-G-NE	---
1"	100-G-NE	---
1 1/4"	125-G-NE	---
1 1/2"	150-G-NE	150-G-WNE
2"	200-G-NE	200-G-WNE
2 1/2"	250-G-NE	---
3"	300-G-NE	300-G-WNE
4"	400-G-NE	400-G-WNE
5"	---	500-G-WNE
6"	---	600-G-WNE

¹ white neoprene gaskets contain FDA approved materials

white Buna-N



silicone

Size	white Buna-N ¹ Part #	Silicone Part #
1 1/2"	---	150-G-SIL
2"	---	200-G-SIL
3"	300-G-WB	300-G-SIL
4"	400-G-WB	400-G-SIL

¹ white Buna-N gaskets contain FDA approved materials

Fuel Gaskets

Size	Material	Part #
1½"	Buna	150-G-BF
2"	Buna	200-G-BF
3"	Buna	300-G-BF
4"	Buna	400-G-BF
3"	extra thick Buna-N	300GTHKBF
4"	extra thick Buna-N	400GTHKBF



Cam & Groove

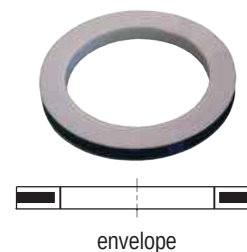
Cam & Groove Envelope Gaskets

Features:

- PTFE white Buna filler (TFWB) contains FDA approved materials
- maximum operating temperatures for specific chemicals may be lower, contact Dixon® for specific recommendations

Size	PTFE (TFE) with Buna-N filler Part #	PTFE (TFE) with FKM filler Part #
½"	50-G-TF	50-G-TF-VI
¾"	75-G-TF	75-G-TF-VI
1"	100-G-TF	100GTFVI
1¼"	125-G-TF	125GTFVI
1½"	150-G-TF	150GTFVI
2"	200-G-TF	200GTFVI
2½"	250-G-TF	250GTFVI
3"	300-G-TF	300GTFVI
4"	400-G-TF	400GTFVI
6"	600-G-TF	600GTFVI

Size	PTFE (TFE) with white Buna-N filler Part #	PTFE (TFE) with Ethylene Propylene filler Part #
1½"	---	150GTFEP
2"	200GTFWB	200GTFEP
3"	300GTFWB	300GTFEP
4"	400GTFWB	---
5"	500GTFWB	---



C

The torque (force) required to close the handles on a pair of cam and groove fittings will vary according to the gasket chosen. Due to the nature of the PTFE material, the various PTFE gasket designs will require the most torque, increasing as you go from envelope to encapsulated, and finally, accordion.



Cam & Groove Encapsulated Gaskets

Features:

- *PTFE encapsulated silicone* (TES) gaskets contain FDA approved materials
- encapsulated gasket pressure ratings are reduced to **125 PSI** for ¾" - 4" at ambient temperature **70°F (21°C)**
- *PTFE encapsulated FKM* (TEV) gaskets - maximum operating temperature **200°F (93°C)**
- *PTFE encapsulated silicone* (TES) gaskets - maximum operating temperature **225°F (107°C)**
- maximum operating temperatures for specific chemicals may be lower, contact Dixon® for specific recommendations

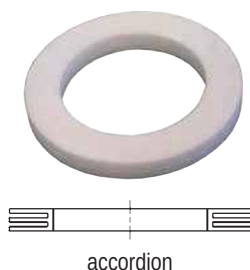


Size	<i>PTFE (FEP) encapsulated silicone</i> Part #	<i>PTFE (FEP) encapsulated FKM</i> Part #
¾"	75-G-TES	75-G-TEV
1"	100-G-TES	100-G-TEV
1¼"	125-G-TES	125-G-TEV
1½"	150-G-TES	150-G-TEV
2"	200-G-TES	200-G-TEV
2½"	250-G-TES	250-G-TEV
3"	300-G-TES	300-G-TEV
4"	400-G-TES	400-G-TEV

Cam & Groove Accordion Gaskets

Features:

- *PTFE* accordion gaskets (TFACC) are recommended for use with viscous (thick) fluids only
- maximum operating temperatures for specific chemicals may be lower, contact Dixon® for specific recommendations



Size	<i>PTFE (TFE)</i> Part #
¾"	75GTFACC
1"	100GTFACC
1¼"	125GTFACC
1½"	150GTFACC
2"	200GTFACC
3"	300GTFACC

The torque (force) required to close the handles on a pair of cam & groove fittings will vary according to the gasket chosen. Due to the nature of the PTFE material, the various PTFE gasket designs will require the most torque, increasing as you go from envelope to encapsulated, and finally, accordion.

Witches Hat Strainers

Features:

- used with female cam and groove couplings
- pre-attached Buna-N gasket

Size	304 Stainless Steel Part #
3"	WH300-A
4"	WH400-A



Cam & Groove

Gaskets for Witches Hat Strainers

Size	Buna-N Gasket Part #
3"	WH300-G
4"	WH400-G



Disk Strainers

Feature:

- threads into bottom of female NPT fitting to protect equipment from large contaminants

Size	Hole Size	6061T6 Aluminum Part #	304 Investment Cast Stainless Steel Part #
2"	1/4"	SDA200	SDS200
3"	1/4"	SDA300	SDS300
4"	1/4"	SDA400	SDS400



Pull Ring Safety Clips for Boss-Lock™

Coupler Size	Carbon Steel Part #	316 Stainless Steel Part #
3/4" - 1"	---	100PRSCSS
1 1/4" - 2 1/2"	200PRSCCS	200PRSCSS
3" and 4"	300PRSCCS	300PRSCSS



Pull Rings

304 Stainless Steel Part #
R200SS



Sash Chain with Pull Rings

Feature:

- brass chain, plated steel pull ring

Length	Part #
4 1/2"	J125
6 1/2"	J150
8 1/2"	J300
12 3/4"	J500



Abrasion Resistant Inserts

Cam & Groove

NEW

400-A-INSERT



400-C-INSERTAL

Features:

- extends the life of adapters when transferring proppant to storage tanks
- available for multiple adapter and multiple coupler materials

Description	UHMW Polyethylene Part #
to be used with 400-A-AL , 400-A-BR , 400-A-MI , 400-A-SS	400-A-INSERT
to be used with 400-C-AL	400-C-INSERTAL
to be used with 400-C-MI	400-C-INSERTMI

Clip for Boss-Lock™ Couplings

**Feature:**

- .072 stainless steel wire

Stainless Steel

Part #

AC7

Clip Assembly

**Features:**

- for use with Boss-Lock™ couplings
- includes pull ring, chain and AC3 clip

Carbon Steel

Part #

BLCA152CS

Jack Chain with S-Hook



Length	Material	Part #	Optional Qty
6"	brass	CH-B-6	10
12"	brass	CH-B-12	10
24"	brass	CH-B-24	---
12"	carbon steel	CH-C-12	10
6"	stainless	CH-SS-6	10
12"	stainless	CH-SS-12	10
24"	stainless	CH-SS-24	10

Locking Cam Arm Velcro® Straps

Application:

- use with cam & groove couplers to prevent spills, secure from damage, and hold in place during transport



coupler sold separately

Features:

- used on the female end of a cam & groove coupler
- high visibility orange hook and loop with metal buckle provides strength, durability and long life
- temperature range: **-70°F to 200°F (-57°C to 93°C)**

Length	Used On	Part #
12"	fits up to 1½" coupler	CVS12
18"	fits up to 3" coupler	CVS18
24"	fits up to 5" coupler	CVS24
36"	fits up to 8" coupler	CVS36

Lanyards with Clip for Boss-Lock™ Couplings

Materials:

- clip: carbon steel
- lanyard: nylon

Coupler Size	Part #
3/4" - 1"	ACL4
1 1/4" - 4"	ACL2
6"	ACL3



PVC Coated Lanyards

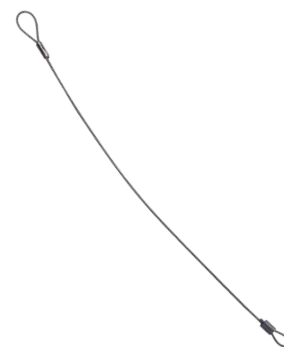
Material:

- PVC coated carbon steel with aluminum crimp sleeves

Feature:

- one end factory crimped, one end uncrimped for field installation

Length	Part #
15"	CAL15
25"	CAL25



Lanyard for Boss-Lock™ Couplings

Feature:

- breaking strength: 160 lbs.

Overall Length	304 Stainless Part #
7"	LR7



Global Type A Adapters

adapter x female NPT

Features:

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part



ASTMC38000 forged brass

Size	A380 Permanent Mold Aluminum Part #	ASTMC38000 Forged Brass Part #
1/2"	G50-A-AL ¹	G50-A-BR ¹
3/4"	G75-A-AL	G75-A-BR
1"	G100-A-AL	G100-A-BR
1 1/4"	G125-A-AL	G125-A-BR
1 1/2"	G150-A-AL	G150-A-BR
2"	G200-A-AL	G200-A-BR
2 1/2"	G250-A-AL	G250-A-BR
3"	G300-A-AL	G300-A-BR
4"	G400-A-AL	G400-A-BR
5"	G500-A-AL ¹	G500-A-BR ¹
6"	G600-A-AL	---
8"	G800-A-AL ¹	---

Size	316 Investment Cast Stainless Steel Part #
1/2"	G50-A-SS ¹
3/4"	G75-A-SS
1"	G100-A-SS
1 1/4"	G125-A-SS
1 1/2"	G150-A-SS
2"	G200-A-SS
2 1/2"	G250-A-SS
3"	G300-A-SS
4"	G400-A-SS
6"	G600-A-SS

¹ No standard exists for the 1/2", 5" and 8", and generally these sizes do not interchange with other manufacturers.



Global Type B Couplers

coupler x male NPT

Features:

- interchanges with all products produced to A-A-59326D
- Buna seals standard

Size	A380 Permanent Mold A with Brass Handles Part #	ASTMC38000 Forged Brass Part #
1/2"	G50-B-AL ^{1, 2}	G50-B-BR ^{1, 2}
3/4"	G75-B-AL ²	G75-B-BR ²
1"	G100-B-AL ²	G100-B-BR ²
1 1/4"	G125-B-AL	G125-B-BR
1 1/2"	G150-B-AL	G150-B-BR
2"	G200-B-AL	G200-B-BR
2 1/2"	G250-B-AL	G250-B-BR
3"	G300-B-AL	G300-B-BR
4"	G400-B-AL	G400-B-BR
5"	G500-B-AL ¹	G500-B-BR ¹
6"	G600-B-AL	---

Size	316 Investment Cast Stainless Steel Part #	A380 Permanent Mold Aluminum with Investment Stainless Handles Part #
1/2"	G50-B-SS ¹	---
3/4"	G75-B-SS	---
1"	G100-B-SS	---
1 1/4"	G125-B-SS	---
1 1/2"	G150-B-SS	G150-B-ALSI
2"	G200-B-SS	G200-B-ALSI
2 1/2"	G250-B-SS	---
3"	G300-B-SS	G300-B-ALSI
4"	G400-B-SS	G400-B-ALSI
6"	G600-B-SS	---



A380 permanent mold aluminum

¹ No standard exists for the 1/2", 5" and 8", and generally these sizes do not interchange with other manufacturers.

² supplied with stainless steel handles

Global Type C Couplers

coupler x hose shank

Cam & Groove



A380 permanent mold aluminum

Features:

- interchanges with all products produced to A-A-59326D
- Buna seals are standard

Size	A380 Permanent Mold Aluminum with Brass Handles Part #	ASTMC38000 Forged Brass Part #
1/2"	G50-C-AL ^{1,2}	G50-C-BR ^{1,2}
3/4"	G75-C-AL ²	G75-C-BR ²
1"	G100-C-AL ²	G100-C-BR ²
1 1/4"	G125-C-AL	G125-C-BR
1 1/2"	G150-C-AL	G150-C-BR
2"	G200-C-AL	G200-C-BR
2 1/2"	G250-C-AL	G250-C-BR
3"	G300-C-AL	G300-C-BR
4"	G400-C-AL	G400-C-BR
5"	G500-C-AL ¹	G500-C-BR ¹
6"	G600-C-AL	---
8"	G800-C-AL ¹	---

Size	316 Investment Cast Stainless Steel Part #	A380 Permanent Mold Aluminum with Investment Stainless Handles Part #
1/2"	G50-C-SS ¹	---
3/4"	G75-C-SS	---
1"	G100-C-SS	---
1 1/4"	G125-C-SS	---
1 1/2"	G150-C-SS	G150-C-ALSI
2"	G200-C-SS	G200-C-ALSI
2 1/2"	G250-C-SS	---
3"	G300-C-SS	G300-C-ALSI
4"	G400-C-SS	G400-C-ALSI
6"	G600-C-SS	---

¹ No standard exists for the 1/2", 5" and 8", and generally these sizes do not interchange with other manufacturers.

² supplied with stainless steel handles

- see page 109 for Global Crimp Type C couplers



Global Type D Couplers

coupler x female NPT

Features:

- interchanges with all products produced to A-A-59326D
- Buna seals are standard

Size	A380 Permanent Mold Aluminum with Brass Handles Part #	ASTMC38000 Forged Brass Part #
1/2"	G50-D-AL ^{1,2}	G50-D-BR ^{1,2}
3/4"	G75-D-AL ²	G75-D-BR ²
1"	G100-D-AL ²	G100-D-BR ²
1 1/4"	G125-D-AL	G125-D-BR
1 1/2"	G150-D-AL	G150-D-BR
2"	G200-D-AL	G200-D-BR
2 1/2"	G250-D-AL	G250-D-BR
3"	G300-D-AL	G300-D-BR
4"	G400-D-AL	G400-D-BR
5"	G500-D-AL ¹	G500-D-BR ¹
6"	G600-D-AL	---

Size	316 Investment Cast Stainless Steel Part #	A380 Permanent Mold Aluminum with Investment Stainless Handles Part #
1/2"	G50-D-SS ¹	---
3/4"	G75-D-SS	---
1"	G100-D-SS	---
1 1/4"	G125-D-SS	---
1 1/2"	G150-D-SS	G150-D-ALSI
2"	G200-D-SS	G200-D-ALSI
2 1/2"	G250-D-SS	---
3"	G300-D-SS	G300-D-ALSI
4"	G400-D-SS	G400-D-ALSI
6"	G600-D-SS	---



316 investment cast stainless steel

¹ No standard exists for the 1/2" and 5", and generally these sizes do not interchange with other manufacturers.

² stainless steel handles

Global Type E Adapters

adapter x hose shank

Features:

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part



A380 permanent mold aluminum

Size	A380 Permanent Mold Aluminum Part #	ASTMC38000 Forged Brass Part #	316 Investment Cast Stainless Steel Part #
1/2"	G50-E-AL ¹	G50-E-BR ¹	G50-E-SS ¹
3/4"	G75-E-AL	G75-E-BR	G75-E-SS
1"	G100-E-AL	G100-E-BR	G100-E-SS
1 1/4"	G125-E-AL	G125-E-BR	G125-E-SS
1 1/2"	G150-E-AL	G150-E-BR	G150-E-SS
2"	G200-E-AL	G200-E-BR	G200-E-SS
2 1/2"	G250-E-AL	G250-E-BR	G250-E-SS
3"	G300-E-AL	G300-E-BR	G300-E-SS
4"	G400-E-AL	G400-E-BR	G400-E-SS
5"	G500-E-AL ¹	G500-E-BR ¹	---
6"	G600-E-AL	---	G600-E-SS
8"	G800-E-AL ¹	---	---

¹ No standard exists for the 1/2", 5" and 8", and generally these sizes do not interchange with other manufacturers.

Global Type F Adapters

adapter x male NPT

Features:

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part



ASTMC38000 forged brass

Size	A380 Permanent Mold Aluminum Part #	ASTMC38000 Forged Brass Part #	316 Investment Cast Stainless Steel Part #
1/2"	G50-F-AL ¹	G50-F-BR ¹	G50-F-SS ¹
3/4"	G75-F-AL	G75-F-BR	G75-F-SS
1"	G100-F-AL	G100-F-BR	G100-F-SS
1 1/4"	G125-F-AL	G125-F-BR	G125-F-SS
1 1/2"	G150-F-AL	G150-F-BR	G150-F-SS
2"	G200-F-AL	G200-F-BR	G200-F-SS
2 1/2"	G250-F-AL	G250-F-BR	G250-F-SS
3"	G300-F-AL	G300-F-BR	G300-F-SS
4"	G400-F-AL	G400-F-BR	G400-F-SS
5"	G500-F-AL ¹	G500-F-BR ¹	---
6"	G600-F-AL	---	G600-F-SS

¹ No standard exists for the 1/2" and 8", and generally these sizes do not interchange with other manufacturers.

Global Type DC Dust Caps

Features:

- interchanges with all products produced to A-A-59326D
- Buna seals are standard
- *Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons*



Size	A380 Permanent Mold Aluminum with Brass Handles Part #	ASTMC38000 Forged Brass Part #
1/2"	G50-DC-AL ^{1, 2}	G50-DC-BR ^{1, 2}
3/4"	G75-DC-AL ²	G75-DC-BR ²
1"	G100-DC-AL ²	G100-DC-BR ²
1 1/4"	G125-DC-AL	G125-DC-BR
1 1/2"	G150-DC-AL	G150-DC-BR
2"	G200-DC-AL	G200-DC-BR
2 1/2"	G250-DC-AL	G250-DC-BR
3"	G300-DC-AL	G300-DC-BR
4"	G400-DC-AL	G400-DC-BR
5"	G500-DC-AL ¹	G500-DC-BR ¹
6"	G600-DC-AL	---

Size	316 Investment Cast Stainless Steel Part #	A380 Permanent Mold Aluminum with Investment Stainless Handles Part #
1/2"	G50-DC-SS ¹	---
3/4"	G75-DC-SS	---
1"	G100-DC-SS	---
1 1/4"	G125-DC-SS	---
1 1/2"	G150-DC-SS	G150-DC-ALSI
2"	G200-DC-SS	G200-DC-ALSI
2 1/2"	G250-DC-SS	---
3"	G300-DC-SS	G300-DC-ALSI
4"	G400-DC-SS	G400-DC-ALSI
6"	G600-DC-SS	---



A380 permanent mold aluminum

¹ No standard exists for the 1/2" and 5", and generally these sizes do not interchange with other manufacturers.

² stainless steel handles

Global Type DP Dust Plugs

Features:

- interchanges with all products produced to A-A-59326D
- Buna seals are standard
- *Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons*



Size	A380 Permanent Mold Aluminum Part #	ASTMC38000 Forged Brass Part #	316 Investment Cast Stainless Steel Part #
1/2"	G50-DP-AL ¹	G50-DP-BR ¹	G50-DP-SS ¹
3/4"	G75-DP-AL	G75-DP-BR	G75-DP-SS
1"	G100-DP-AL	G100-DP-BR	G100-DP-SS
1 1/4"	G125-DP-AL	G125-DP-BR	G125-DP-SS
1 1/2"	G150-DP-AL	G150-DP-BR	G150-DP-SS
2"	G200-DP-AL	G200-DP-BR	G200-DP-SS
2 1/2"	G250-DP-AL	G250-DP-BR	G250-DP-SS
3"	G300-DP-AL	G300-DP-BR	G300-DP-SS
4"	G400-DP-AL	G400-DP-BR	G400-DP-SS
5"	G500-DP-AL ¹	G500-DP-BR ¹	---
6"	G600-DP-AL	---	G600-DP-SS



A380 permanent mold aluminum

¹ No standard exists for the 1/2" and 5", and generally these sizes do not interchange with other manufacturers.

Global Type DA Jump Size Couplings

coupler x adapter

Cam & Groove



A380 permanent mold aluminum

Features:

- interchanges with all products produced to A-A-59326D
- Buna seals standard
- pressure rating for adapters is based on the seal of the mating part

Size	A380 Permanent Mold Aluminum Part #	316 Investment Cast Stainless Steel Part #
2" x 3"	G2030-DA-AL	---
3" x 2"	G3020-DA-AL	G3020-DA-SS
3" x 4"	G3040-DA-AL	---
4" x 3"	G4030-DA-AL	G4030-DA-SS
5" x 4"	G5040-DA-AL	---
6" x 4"	G6040-DA-AL	---

Global Type AA Spool Adapters

adapter x adapter



A380 permanent mold aluminum



A380 permanent mold aluminum

Features:

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part

Size	A380 Permanent Mold Aluminum Part #	316 Investment Cast Stainless Steel Part #
1"	G100-AA-AL	---
1½"	G150-AA-AL	G150-AA-SS
1½" x 2"	G1520-AA-AL	---
2"	G200-AA-AL	G200-AA-SS
2" x 3"	G2030-AA-AL	G2030-AA-SS
3"	G300-AA-AL	G300-AA-SS
3" x 4"	G3040-AA-AL	---
4"	G400-AA-AL	G400-AA-SS

Global Type DD Couplers

coupler x coupler



A380 permanent mold aluminum

Features:

- interchanges with all products produced to A-A-59326D
- Buna seals standard

Size	A380 Permanent Mold Aluminum Part #	316 Investment Cast Stainless Steel Part #
2"	G200-DD-AL	G200-DD-SS
3"	G300-DD-AL	G300-DD-SS
4"	G400-DD-AL	G400-DD-SS

Global Type A Jump Size Adapters

adapter x female NPT

Features:

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part

Size	A380 Permanent Mold Aluminum Part #
3" x 2"	G3020-A-AL
4" x 3"	G4030-A-AL



Cam & Groove

Global Type C Jump Size Couplers

coupler x hose shank

Features:

- interchanges with all products produced to A-A-59326D
- Buna seals standard

Size	A380 Permanent Mold Aluminum Part #
3" x 2"	G3020-C-AL
4" x 3"	G4030-C-AL



C

Global Type E Jump Size Adapters

adapter x hose shank

Features:

- interchanges with all products produced to A-A-59326D
- pressure rating for adapters is based on the seal of the mating part

Size	A380 Permanent Mold Aluminum Part #
3" x 2"	G3020-E-AL
4" x 3"	G4030-E-AL



- see page 110 for Global Crimp Type E adapters

Global Adapter x TTMA Flange

Features:

- interchange with all products produced to A-A-59326D
- Buna seals are standard
- pressure rating for adapters is based on the seal of the mating part

Size	356T6 Aluminum Part #
4"	G400-ALT-AL



Global Coupler x TTMA Flange

Size	356T6 Aluminum Part #
4"	G400-DLT-AL



- For flange dimensions, diagrams and additional information please reference dixonvalve.com



NEW

Global Adapter x ANSI Flange

Size	Aluminum Part #
4"	G400-AL-AL
6"	G600-AL-AL



Global Coupler x ANSI Flange

Size	Aluminum Part #
4"	G400-DL-AL
6"	G600-DL-AL

Handles for Aluminum / Brass Global Couplers

Feature:

- supplied complete with ring and pin



Fits on sizes	Investment Stainless Part #
½", ¾" 1"	G75HRP G100HRP
1½" & 2" 3" - 5" 6"	G152HRPSI G34HRPSI G600HRPSI



Fits on sizes	Forged Brass Part #
1¼" - 2½" 3" - 5" 6" and 8"	G152HRP G34HRP G600HRP

- Global Dixon handle assemblies are to only be used with global Dixon parts (not domestic). Handles do not interchange with other manufacturer's handles or couplers.



Handles for Stainless Global Couplers

Feature:

- supplied complete with ring and pin



Fits on sizes	Investment Stainless Part #
½", ¾" 1"	G75HRPSS G100HRPSS
1¼" - 2½" 3" - 5" 6"	G125250HRPSS G300400HRPSS G600HRPSS

- Global Dixon handle assemblies are to only be used with global Dixon parts (not domestic). Handles do not interchange with other manufacturer's handles or couplers.



Safety Clip for Global Couplers



Zinc Plated Carbon Steel Part #	Bag Qty
GSAFETYCLIP	25

Cam and Groove x NST

Features:

- powder coated aluminum adapter
- for suction and low pressure discharge only
- other sizes, configurations and materials available, contact Dixon® for information

Type A x Female NST (NH)

Adapter Size	Female NST (NH) Thread	Aluminum Part #
1½"	1½"	G150-A-ALNST
2½"	2½"	G250-A-ALNST
3"	2½"	3025-A-ALNST



Cam & Groove

Type B x Male NST (NH)**Feature:**

- Buna seals standard

Coupler Size	Male NST (NH) Thread	Aluminum Part #
1½"	1½"	G150-B-ALNST
2"	1½"	2015-B-ALNST
2½"	2½"	G250-B-ALNST
3"	2½"	3025-B-ALNST



C

Type D x Female NST (NH)**Feature:**

- Buna seals standard

Coupler Size	Female NST (NH) Thread	Aluminum Part #
1½"	1½"	G150-D-ALNST
2"	2½"	2025-D-ALNST
2½"	2½"	G250-D-ALNST
3"	2½"	3025-D-ALNST

**Type F x Male NST (NH)**

Adapter Size	Male NST (NH) Thread	Aluminum Part #
1½"	1½"	G150-F-ALNST
2"	2½"	2025-F-ALNST
2½"	2½"	G250-F-ALNST
3"	2½"	3025-F-ALNST



Type A Adapters

adapter x female NPT

Cam & Groove



Features:

- maximum operating pressure: **125 PSI** ($\frac{1}{2}$ " - 1"), **100 PSI** ($1\frac{1}{4}$ " - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- $\frac{1}{2}$ " couplers and adapters will interchange with $\frac{3}{4}$ " couplers and adapters, only the threads and barbs are $\frac{1}{2}$ "
- $1\frac{1}{4}$ " couplers and adapters will interchange with $1\frac{1}{2}$ " couplers and adapters, only the threads and barbs are $1\frac{1}{4}$ "
- NOT recommended for use with PTFE gaskets. NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings. 

Size	Glass-Filled Polypropylene Part #	Optional Qty
$\frac{3}{4}$ " x $\frac{1}{2}$ "	PPA50	24
$\frac{3}{4}$ "	PPA75	24
1"	PPA100	24
$1\frac{1}{2}$ " x $1\frac{1}{4}$ "	PPA125	24
$1\frac{1}{2}$ "	PPA150	24
2"	PPA200	24
3"	PPA300	24
4"	PPA400	8

Type B Couplers

coupler x male NPT

Features:

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: **125 PSI** ($\frac{1}{2}$ " - 1"), **100 PSI** ($1\frac{1}{4}$ " - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- $\frac{1}{2}$ " couplers and adapters will interchange with $\frac{3}{4}$ " couplers and adapters, only the threads and barbs are $\frac{1}{2}$ "
- $1\frac{1}{4}$ " couplers and adapters will interchange with $1\frac{1}{2}$ " couplers and adapters, only the threads and barbs are $1\frac{1}{4}$ "
- replacements: gasket use EPR on page 168, key rings use **R200SS** on page 171, safety clip use **GSAFETYCLIP** on page 182
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings. 



Size	Glass-Filled Polypropylene Part #	Optional Qty
$\frac{3}{4}$ " x $\frac{1}{2}$ "	PPB50	24
$\frac{3}{4}$ "	PPB75	24
1"	PPB100	24
$1\frac{1}{2}$ " x $1\frac{1}{4}$ "	PPB125	24
$1\frac{1}{2}$ "	PPB150	24
2"	PPB200	24
3"	PPB300	24
4"	PPB400¹	8

¹ 4" coupler has 4 handles

Type C Couplers

coupler x hose shank

Features:

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: **125 PSI** (½" - 1"), **100 PSI** (1¼" - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- ½" couplers and adapters will interchange with ¾" couplers and adapters, only the threads and barbs are ½"
- 1¼" couplers and adapters will interchange with 1½" couplers and adapters, only the threads and barbs are 1¼"
- replacements: gasket use EPR on page 168, pull rings use **R200SS** on page 171, safety clip use **GSAFETYCLIP** on page 182
- NOT recommended for use with PTFE gaskets. Polypropylene cam and groove should not be mixed with metal fittings. 

Size	Glass-Filled Polypropylene Part #	Optional Qty
¾" x ½"	PPC50	24
¾"	PPC75	24
1"	PPC100	24
1½" x 1¼"	PPC125	24
1½"	PPC150	24
2"	PPC200	24
3"	PPC300	24
4"	PPC400 ¹	8

¹ 4" coupler has 4 handles

Cam & Groove

C

Type D Couplers

coupler x female NPT

Features:

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: **125 PSI** (½" - 1"), **100 PSI** (1¼" - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- ½" couplers and adapters will interchange with ¾" couplers and adapters, only the threads and barbs are ½"
- 1¼" couplers and adapters will interchange with 1½" couplers and adapters, only the threads and barbs are 1¼"
- replacements: gasket use EPR on page 168, pull rings use **R200SS** on page 171, safety clip use **GSAFETYCLIP** on page 182
- NOT recommended for use with PTFE gaskets. Polypropylene cam and groove should not be mixed with metal fittings. 

Size	Glass-Filled Polypropylene Part #	Optional Qty
¾" x ½"	PPD50	24
¾"	PPD75	24
1"	PPD100	24
1½" x 1¼"	PPD125	24
1½"	PPD150	24
2"	PPD200	24
3"	PPD300	24
4"	PPD400 ¹	8

¹ 4" coupler has 4 handles



Type E Adapters

adapter x hose shank

Features:

- maximum operating pressure: **125 PSI** ($\frac{1}{2}$ " - 1"), **100 PSI** ($1\frac{1}{4}$ " - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- $\frac{1}{2}$ " couplers and adapters will interchange with $\frac{3}{4}$ " couplers and adapters, only the threads and barbs are $\frac{1}{2}$ "
- $1\frac{1}{4}$ " couplers and adapters will interchange with $1\frac{1}{2}$ " couplers and adapters, only the threads and barbs are $1\frac{1}{4}$ "
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings.



Size	Glass-Filled Polypropylene Part #	Optional Qty
$\frac{3}{4}$ " X $\frac{1}{2}$ "	PPE50	24
$\frac{3}{4}$ "	PPE75	24
1"	PPE100	24
$1\frac{1}{2}$ " X $1\frac{1}{4}$ "	PPE125	24
$1\frac{1}{2}$ "	PPE150	24
2"	PPE200	24
3"	PPE300	24
4"	PPE400	8

Type F Adapters

adapter x male NPT

Features:

- maximum operating pressure: **125 PSI** ($\frac{1}{2}$ " - 1"), **100 PSI** ($1\frac{1}{4}$ " - 2"), **60 PSI** (3") and **50 PSI** (4"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- $\frac{1}{2}$ " couplers and adapters will interchange with $\frac{3}{4}$ " couplers and adapters, only the threads and barbs are $\frac{1}{2}$ "
- $1\frac{1}{4}$ " couplers and adapters will interchange with $1\frac{1}{2}$ " couplers and adapters, only the threads and barbs are $1\frac{1}{4}$ "
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings.



Size	Glass-Filled Polypropylene Part #	Optional Qty
$\frac{3}{4}$ " X $\frac{1}{2}$ "	PPF50	24
$\frac{3}{4}$ "	PPF75	24
1"	PPF100	24
$1\frac{1}{2}$ " X $1\frac{1}{4}$ "	PPF125	24
$1\frac{1}{2}$ "	PPF150	24
2"	PPF200	24
3"	PPF300	24
4"	PPF400	8

Dust Caps and Plugs

Features:

- Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings
- supplied with EPDM gaskets, 304 stainless steel handles and pins
- replacements: gasket use EPR on page 168, key rings use **R200SS** on page 171, safety clip use **GSAFETYCLIP** on page 182

Type H Dust Caps

Size	Glass-Filled Polypropylene Part #	Optional Qty
¾"	PPH75	24
1"	PPH100	24
1½"	PPH150	24
2"	PPH200	24
3"	PPH300	24
4"	PPH400 ¹	8

¹ 4" coupler has 4 handles



Type P Dust Plugs

Size	Glass-Filled Polypropylene Part #	Optional Qty
¾"	PPP75	24
1"	PPP100	24
1½"	PPP150	24
2"	PPP200	24
3"	PPP300	24
4"	PPP400	8





Type A 90° Elbows adapter x female NPT

Features:

- maximum operating pressure: **100 PSI** (1½" - 2"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- for use at elevated temperatures or other unusual operating conditions, consult Dixon®
- NOT recommended for use with PTFE gaskets. NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings.



Size	Glass-Filled Polypropylene Part #	Optional Qty
1½"	90PPA150	24
2"	90PPA200	24

Type C 90° Elbows coupler x hose shank


Features:

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: **100 PSI** (1½" - 2"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- for use at elevated temperatures or other unusual operating conditions, consult Dixon®
- NOT recommended for use with PTFE gaskets. Polypropylene cam and groove should not be mixed with metal fittings.



Size	Glass-Filled Polypropylene Part #	Optional Qty
1½"	90PPC150	24
2"	90PPC200	24

Type D 90° Elbows coupler x female NPT


Features:

- supplied with EPDM gaskets, 304 stainless steel handles and pins
- maximum operating pressure: **100 PSI** (1½" - 2"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- for use at elevated temperatures or other unusual operating conditions, consult Dixon®
- NOT recommended for use with PTFE gaskets. Polypropylene cam and groove should not be mixed with metal fittings.



Size	Glass-Filled Polypropylene Part #	Optional Qty
1½"	90PPD150	24
2"	90PPD200	24

Type F 90° Elbows adapter x male NPT


Features:

- maximum operating pressure: **100 PSI** (1½" - 2"); recommendations based on the use of mating Dixon® fittings at an ambient temperature of **70°F (21°C)** with standard seal installed
- for use at elevated temperatures or other unusual operating conditions, consult Dixon®
- NOT recommended for use with PTFE gaskets. Polypropylene cam & groove should not be mixed with metal fittings.



Size	Glass-Filled Polypropylene Part #	Optional Qty
1½"	90PPF150	24
2"	90PPF200	24

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King™ Combination Nipples

⚠ WARNING**Applications:**

- Recommended for low-pressure discharge and suction service for compatible liquids.
Sizes 1¼" and above are not for compressible products such as air or nitrogen.
- **King™ Combination Nipples are not recommended for steam.**
- *The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult Dixon® for recommendations.*
- In accordance with the Association for Rubber Products Manufacturers (ARPM) bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1½ times the working pressure and held for fifteen minutes without leaking or coupling movement. For additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturers (ARPM) handbook.

NPT Threaded End with Knurled Wrench Grip



Size	Opt Qty	Unplated Steel Part #	Plated Steel Part #	Brass Part #	Aluminum Part #
½"	50	ST1	STC1	BST1	AST1
¾"	50	ST5	STC5	BST5	AST5
1"	50	ST10	STC10	BST10	AST10
1¼"	50	ST15	STC15	---	---
1½"	50	ST20	STC20	---	---
2"	25	ST25	STC25	---	---

- For additional information on pipe dimensions please reference dixonvalve.com.

NPT Threaded End No Knurl



Size	Opt Qty	Unplated Steel Part #	Plated Steel Part #	Brass Part #	Aluminum Part #
1¼"	50	---	---	BST15	AST15
1½"	50	---	---	BST20	AST20
2"	25	---	---	BST25	AST25
2½"	10	ST30	STC30	BST30	AST30
3"	10	ST35	STC35	BST35	AST35
4"	4	ST40	STC40	BST40	AST40
5"	4	ST50	STC50	---	AST50
6"	2	ST60	STC60	---	AST60
8"	2	ST80	STC80	---	---
10"	1	ST100	STC100	---	---
12"	1	ST120	STC120	---	---



Size	Opt Qty	316 Stainless Steel Part #	Hastelloy® Part #
½"	50	RST1 ¹	---
¾"	50	RST5 ¹	---
1"	50	RST10	---
1¼"	50	RST15	---
1½"	50	RST20	---
2"	25	RST25	HST25
2½"	10	RST30	---
3"	10	RST35	HST35
4"	4	RST40	---
5"	4	RST50	---
6"	4	RST60	---
8"	2	RST80	---

¹ made from investment casting

- For additional information on pipe dimensions please reference dixonvalve.com.

King™ Combination Nipples

Beveled End

- Beveled ends (in *brass*) are available in select sizes. Consult Dixon® for prices and availability.

Hose ID	Unplated Steel Part #	Opt Qty	316 Stainless Steel Part #	Opt Qty	Aluminum Part #
1/2"	STB1	50	---	--	---
3/4"	STB5	50	RSTB5	50	---
1"	STB10	50	RSTB10	50	ASTB10
1 1/4"	STB15	50	RSTB15	50	ASTB15
1 1/2"	STB20	50	RSTB20	50	ASTB20
2"	STB25	25	RSTB25	25	ASTB25
2 1/2"	STB30	10	RSTB30	10	ASTB30
3"	STB35	10	RSTB35	10	ASTB35
4"	STB40	4	RSTB40	4	ASTB40
5"	STB50	4	---	--	ASTB50
6"	STB60	2	RSTB60	4	ASTB60
8"	STB80	2	RSTB80	2	ASTB80
10"	STB100	1	---	--	ASTB100
12"	STB120	1	---	--	---

- For additional information on pipe dimensions please reference dixonvalve.com.



King™ Combination Nipples

Grooved End

- Grooved ends (in *brass* and *aluminum*) are available in select sizes. Consult Dixon® for prices and availability.
- See pages 690 - 702 for our complete line of groove style fittings.

Hose ID	Unplated Steel Part #	Opt Qty	316 Stainless Steel Part #	Opt Qty
1"	STV10	50	---	---
1 1/4"	STV15	50	---	---
1 1/2"	STV20	50	RSTV20	50
2"	STV25	25	RSTV25	25
2 1/2"	STV30	10	---	---
3"	STV35	10	RSTV35	10
4"	STV40	4	RSTV40	5
5"	STV50	4	---	---
6"	STV60	4	---	---
8"	STV80	2	---	---
10"	STV100	1	---	---
12"	STV120	1	---	---

- For additional information on pipe dimensions please reference dixonvalve.com.



King™ Combination Nipples

BSPT End

Size	Plated Steel Part #	Opt Qty	316 Stainless Steel Part #	Opt Qty
1"	STC10A	50	RST10A	50
1 1/4"	STC15A	50	RST15A	50
1 1/2"	STC20A	50	RST20A	50
2"	STC25A	50	RST25A	25
2 1/2"	STC30A	10	RST30A	10
3"	STC35A	10	RST35A	10
4"	STC40A	4	RST40A	4
6"	STC60A	2	RST60A	2





reducer



increaser

Jump Size King™ Combination Nipples

NPT Threaded End

Hose Shank	Male NPT	Plated Steel Part #	316 Stainless Steel Part #
3/4"	1/2" 1"	--- STC0510	RST0501 RST0510
1"	3/4" 1 1/4"	STC1005 STC1015	RST1005 RST1015
1 1/4"	1" 1 1/2"	STC1510 STC1520	RST1510 RST1520
1 1/2"	1 1/4" 2"	STC2015 STC2025	RST2015 RST2025
1 3/4"	2"	STC175200	---
2"	1 1/2" 2 1/2" 3"	STC2520 STC2530 STC2535	RST2520 --- RST2535
2 1/2"	2" 3"	STC3025 STC3035	---
3"	2" 2 1/2" 4"	STC3525 STC3530 STC3540	RST3525 --- ---
4"	3"	STC4035	---

- For additional information on pipe dimensions please reference dixonvalve.com.

King™ Combination Nipples for Plastic Pipe

NPT Threaded End



Size	Plated Steel Part #	Optional Qty
1/2"	SAP1	50
3/4"	SAP6	50
1"	SAP11	50
1 1/4"	SAP16	50
1 1/2"	SAP21	50
2"	SAP26	25

- For additional information on pipe dimensions please reference dixonvalve.com.

Global King™ Combination Nipples

NPT Threaded End

**⚠ WARNING****Features:**

- Combination nipples are recommended for low-pressure discharge and suction service for compatible liquids. **Sizes 1 1/4" and above are not for compressible products such as air or nitrogen.**
- **Global King™ Combination Nipples are not recommended for steam.**
- *The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult Dixon® for recommendations.*
- In accordance with the Association for Rubber Products Manufacturers (ARPM) bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1 1/2 times the working pressure and held for fifteen minutes without leaking or coupling movement. For additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturers (ARPM) handbook.

Size	Plated Steel Part #	Opt Qty
1/2"	GSTC1	100
3/4"	GSTC5	100
1"	GSTC10	50
1 1/4"	GSTC15	50
1 1/2"	GSTC20	50
2"	GSTC25	25
2 1/2"	GSTC30	10
3"	GSTC35	10
4"	GSTC40	4
5"	GSTC50	4
6"	GSTC60	4

Flanged King™ Combination Nipples

150# ASA

Size	Steel Part #	316 Stainless Steel Part #
1½"	FST20	RFST20
2"	FST25	RFST25
3"	FST35	RFST35
4"	FST40	RFST40
6"	FST60	RFST60
8"	FST80	RFST80
10"	FST100	RFST100
12"	FST120	RFST120

- For flange dimensions, diagrams and additional information on pipe dimensions please reference dixonvalve.com.



Industrial Hose
Fittings

King™ Turned Back Hose Nipples for Floating Flanges

Features:

- A turned back nipple, when used in a floating flange assembly, allows the flange to be aligned without stressing (twisting) the hose. This generally increases the hose's service life by eliminating a common cause of premature hose failure.
- for use with Lap Joint flanges shown on page 688

Size	Plated Carbon Steel Part #	316 Stainless Steel Part #
1"	N10	RN10
1¼"	N15	RN15
1½"	N20	RN20
2"	N25	RN25
2½"	N30	RN30
3"	N35	RN35
4"	N40	RN40
6"	N60	RN60
8"	N80	RN80
10"	N100	RN100
12"	N120	RN120

- For additional information on pipe dimensions please reference dixonvalve.com.



Notched Turned Back Nipples

Features:

- When used with an appropriate notched ferrule, these fittings can be swaged or crimped onto hose providing improved shank retention.
- When used with double bolt or band clamps, notched turn back nipples provide shank retention similar to that of the King™ turned back nipples.
- The stem can be removed from a damaged hose by cutting away the ferrule without necessarily damaging the fitting.
- For use with lap joint flanges on page 688.



Special pushers required:

1½" stem - RN150NOPUSH

2" stem - RN200NOPUSH

2½" stem - RN250NOPUSH

3" stem - RN300NOPUSH

4" stem - RN400NOPUSH

Size	Carbon Steel Part #	316 Stainless Steel Part #
1½"	N150NO	RN150NO
2"	N200NO	RN200NO
2½"	N250NO	RN250NO
3"	N300NO	RN300NO
4"	N400NO	RN400NO

- For additional information on pipe dimensions please reference dixonvalve.com.

Notched Ferrules

- reference notched shanks above and adapters on page 143
- Dixon® stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Holedall™ products.



Size	Hose OD		304 Stainless Steel Part #
	From	To	
1½"	1-60/64"	2-12/64"	GAS2334NO
	2-4/64"	2-22/64"	GAS2370NO
2"	2-30/64"	2-44/64"	GAS2709NO
	2-42/64"	2-54/64"	GAS2885NO
2½"	2-54/64"	3"	GAS3012NO
	3-1/64"	3-13/64"	GAS3260NO
3"	3-30/64"	3-46/64"	GAS3760NO
	3-47/64"	3-54/64"	GAS3885NO
4"	4-40/64"	4-47/64"	GAS5010NO

PF Shank King™ Combination Nipples

NPT Threaded End

Application:

- This shank design was developed specifically for chemical transport hoses having Crosslinked Polyethylene (XLPE) or Ultra High Molecular Weight Polyethylene (UHMW) tubes, where shank retention can be a problem when using conventional band clamps.

Features:

- PF shank King™ Combination nipples have the same shank pattern as found on the PF style cam and groove fittings sold on page 142.
- recommended for discharge and suction service
- Not intended for compressed air**
- working pressure is given at 70°F (21°C) maximum
- The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult Dixon® for recommendations.

Size	Working PSI	Plated Steel Part #	316 Stainless Steel Part #
2"	250	ST25PF	RST25PF
3"	125	ST35PF	RST35PF
4"	100	ST40PF	RST40PF
6"	75	ST60PF	RST60PF

- Beveled ends for welding are also available. Contact Dixon® for further information.
- For additional information on pipe dimensions please reference dixonvalve.com.



External Swage Notched NOS Stems

⚠ WARNING

The notched system allows you to better manage your inventories. You can stock one stem and two ferrules, and cover the same hose range with less inventory. *You must purchase a fitting and the matching ferrule to create an assembly.*

Features:

- For hose outside diameters of 2-4/64" and below, *couplings are crimp only.*
- For hose outside diameters of 2-5/64" and above, couplings can be crimped or swaged.
- See page 144 for cam and groove style notched NOS fittings.



Only use the NOS shank with the NOS ferrules. Due to differences in dimensions and tolerances for safety reasons, do not use other manufacturer's stems or ferrules with Dixon® Holedall™ products.

Size	PSI	316 Stainless Steel Part #
1½"	250	RST150NOS
2"	250	RST200NOS
3"	250	RST300NOS
4"	1	RST400NOS

¹ Contact Dixon® for pressure information



Notched NOS Ferrules

- reference notched shanks above and adapters on page 144

Size	Hose OD		304 Stainless Steel Part #
	From	To	
1½"	1-60/64"	2-12/64"	GAS2334NOS
	2-4/64"	2-22/64"	GAS2370NOS
2"	2-30/64"	2-44/64"	GAS2709NOS
	2-42/64"	2-54/64"	GAS2885NOS
3"	3-30/64"	3-46/64"	GAS3760NOS
	3-47/64"	3-54/64"	GAS3885NOS
4"	4-40/64"	4-47/64"	GAS5010NOS



Short Crimp Sleeves

Features:

- for use with King™ Combination Nipples only
- a reliable alternative to band clamps
- not for use with Dixon® King Crimp™ Style Shanks



Hose ID	Hose OD		Sleeve ID	Sleeve Wall Thickness	Sleeve Overall Length	Carbon Steel Part #
3/4"	1-5/64"	1-8/64"	1.1875"	.059"	1.25"	CSS075-3CS
	1-5/64"	1-8/64"	1.1875"	.059"	2.138"	CS075-3CS
	1-9/64"	1-12/64"	1.250"	.059"	1.25"	CSS075-4CS
	1-9/64"	1-12/64"	1.250"	.059"	2.138"	CS075-4CS
	1-17/64"	1-20/64"	1.375"	.059"	1.25"	CSS075-6CS
	1-17/64"	1-20/64"	1.375"	.059"	2.138"	CS075-6CS
1"	1-21/64"	1-24/64"	1.438"	.062"	1 1/2"	CSS100-3CS
	1-25/64"	1-28/64"	1.500"	.062"	1 1/2"	CSS100-4CS
	1-29/64"	1-32/64"	1.563"	.062"	1 1/2"	CSS100-5CS
	1-33/64"	1-36/64"	1.625"	.062"	1 1/2"	CSS100-6CS
	1-37/64"	1-40/64"	1.688"	.062"	1 1/2"	CSS100-7CS
	1-41/64"	1-44/64"	1.750"	.062"	1 1/2"	CSS100-8CS
1 1/2"	1-41/64"	1-44/64"	1.750"	.062"	1 3/4"	CSS150-1CS
	1-45/64"	1-48/64"	1.813"	.062"	1 3/4"	CSS150-2CS
	1-49/64"	1-52/64"	1.875"	.062"	1 3/4"	CSS150-3CS
	1-53/64"	1-56/64"	1.938"	.062"	1 3/4"	CSS150-4CS
	1-57/64"	1-60/64"	2.000"	.062"	1 3/4"	CSS150-5CS
	1-61/64"	2"	2.063"	.062"	1 3/4"	CSS150-6CS
	2-1/64"	2-4/64"	2.125"	.062"	1 3/4"	CSS150-7CS
	2-5/64"	2-8/64"	2.188"	.062"	1 3/4"	CSS150-8CS
	2-9/64"	2-12/64"	2.250"	.062"	1 3/4"	CSS150-9CS
2"	2-21/64"	2-24/64"	2.438"	.062"	2"	CSS200-3CS
	2-25/64"	2-28/64"	2.500"	.062"	2"	CSS200-4CS
	2-29/64"	2-32/64"	2.563"	.062"	2"	CSS200-5CS
	2-33/64"	2-36/64"	2.625"	.062"	2"	CSS200-6CS
	2-37/64"	2-40/64"	2.688"	.062"	2"	CSS200-7CS
	2-41/64"	2-44/64"	2.750"	.062"	2"	CSS200-8CS
	2-45/64"	2-48/64"	2.813"	.062"	2"	CSS200-9CS
	2-49/64"	2-52/64"	2.875"	.062"	2"	CSS200-10CS
	2-53/64"	2-56/64"	2.938"	.062"	2"	CSS200-11CS
	2-57/64"	2-60/64"	3.000"	.062"	2"	CSS200-12CS
3"	3-13/64"	3-16/64"	3.313"	.090"	2 5/8"	CSS300-1CS
	3-17/64"	3-20/64"	3.375"	.090"	2 5/8"	CSS300-2CS
	3-21/64"	3-24/64"	3.438"	.090"	2 5/8"	CSS300-3CS
	3-25/64"	3-28/64"	3.500"	.090"	2 5/8"	CSS300-4CS
	3-29/64"	3-32/64"	3.563"	.090"	2 5/8"	CSS300-5CS
	3-33/64"	3-36/64"	3.625"	.090"	2 5/8"	CSS300-6CS
	3-37/64"	3-40/64"	3.688"	.090"	2 5/8"	CSS300-7CS
	3-41/64"	3-44/64"	3.750"	.090"	2 5/8"	CSS300-8CS
	3-45/64"	3-48/64"	3.813"	.090"	2 5/8"	CSS300-9CS
	3-49/64"	3-52/64"	3.875"	.090"	2 5/8"	CSS300-10CS
	3-53/64"	3-56/64"	3.938"	.090"	2 5/8"	CSS300-11CS
	3-57/64"	3-60/64"	4.000"	.090"	2 5/8"	CSS300-12CS
4"	4-29/64"	4-32/64"	4.563"	.090"	3-15/32"	CSS400-5CS
	4-33/64"	4-36/64"	4.625"	.090"	3-15/32"	CSS400-6CS
	4-37/64"	4-40/64"	4.688"	.090"	3-15/32"	CSS400-7CS
	4-41/64"	4-44/64"	4.750"	.090"	3-15/32"	CSS400-8CS
	4-45/64"	4-48/64"	4.813"	.090"	3-15/32"	CSS400-9CS
	4-49/64"	4-52/64"	4.875"	.090"	3-15/32"	CSS400-10CS
	4-53/64"	4-56/64"	4.938"	.090"	3-15/32"	CSS400-11CS
	4-57/64"	4-60/64"	5.000"	.090"	3-15/32"	CSS400-12CS



King™ Steel Round Nipples for one clamp

Hose Size	NPT Size	Unplated Steel Part #	Optional Qty
5/8"	1/2"	KRN541	100
3/4"	1/2"	KRN641	50
1"	3/4"	KRN861	25



Industrial Hose
Fittings

King™ Steel Round Nipples for two clamps

Hose Size	NPT Size	Unplated Steel Part #	Optional Qty
1/2"	1/4"	KRN422	100
	3/8"	KRN432	100
5/8"	1/2"	KRN542	100
3/4"	1/2"	KRN642	50
	3/4"	KRN662	50
1"	3/4"	KRN862	50
	1"	KRN882	50
1 1/4"	1"	KRN1082	25
1 1/2"	1 1/4"	KRN1210	25
2"	1 1/2"	KRN1612	20



King™ Steel Hex Nipples for one clamp

Hose Size	NPT Size	Plated Steel Part #	Optional Qty
1/4"	1/4"	KHN221	50
	1/4"	KHN321	100
3/8"	3/8"	KHN331	100
	1/2"	KHN341	100
1/2"	1/4"	KHN421	50
	3/8"	KHN431	50
	1/2"	KHN441	50
	3/4"	KHN461	50
3/4"	1/2"	KHN641	50
	3/4"	KHN661	50
1"	3/4"	KHN861	25
	1"	KHN881	25



King™ Steel Hex Nipples for two clamps

Hose Size	NPT Size	Plated Steel Part #	Optional Qty
1/4"	1/4"	KHN222	100
	1/4"	KHN322	100
3/8"	3/8"	KHN332	50
	1/2"	KHN342	100
1/2"	1/4"	KHN422	100
	3/8"	KHN432	100
	1/2"	KHN442	50
	3/4"	KHN462	50
3/4"	1/2"	KHN642	50
	3/4"	KHN662	50
1"	3/4"	KHN862	25
	1"	KHN882	25



King™ Short Shank Suction Hose Couplings

NPSM Thread

Application:

- for suction or discharge of water

Size	Aluminum shank with Brass nut Complete Part #	Opt Qty	Aluminum shank with Brass nut Female Part #	Aluminum Male Part #
1½"	CAB150	60	FAB150	MA150
2"	CAB200	40	FAB200	MA200
2½"	CAB250	30	FAB250	MA250
3"	CAB300	18	FAB300	MA300
4"	CAB400	8	FAB400	MA400
6"	CAB600	6	FAB600	MA600

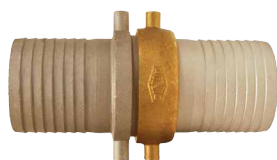
Size	Brass shank with Brass nut Complete Part #	Brass shank with Brass nut Female Part #	Brass Male Part #
1¼"	CBB125	FBB125	MB125
1½"	CBB150	FBB150	MB150
2"	CBB200	FBB200	MB200
2½"	CBB250	FBB250	MB250
3"	CBB300	FBB300	MB300
4"	CBB400	FBB400	MB400

Size	Plated Iron shank with Plated Iron nut Complete Part #	Plated Iron shank with Plated Iron nut Female Part #	Plated Iron Male Part #
1"	S33 ¹	S12 ¹	S10
1¼"	S48	S17	S15
1½"	S63	S22	S20
2"	S78	S27	S25
2½"	S93	S32	S30
3"	S111	S38	S36
4"	S123	S42	S40
5"	---	S57	S55
6"	S183	S62	S60

Size	Plated Iron shank with Brass nut Complete Part #	Plated Iron shank with Brass nut Female Part #	Plated Iron Male Part #
1"	SB33 ¹	SB12 ¹	S10
1¼"	SB48	SB17	S15
1½"	SB63	SB22	S20
2"	SB78	SB27	S25
2½"	SB93	SB32	S30
3"	SB111	SB38	S36
4"	SB123	SB42	S40
5"	---	SB57	S55
6"	SB183	SB62	S60

¹ 1" fittings have a hex nut design

- complete couplings supplied with rubber gaskets
- Replacement gaskets (KRW standard) are available, see page 205.



complete



female

1" - 2½"
male3" - 6"
male

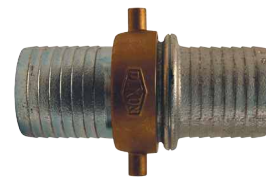
King™ Short Shank Suction Hose Couplings

NST Couplings

Application:

- for suction or discharge of water

Size	Aluminum shank with Brass nut Complete Part #	Aluminum shank with Brass nut Female Part #	Aluminum Male Part #
1½"	CAB150N	FAB150N	MA150N
2½"	CAB250N	FAB250N	MA250N
Size	Brass shank with Brass nut Complete Part #	Brass shank with Brass nut Female Part #	Brass Male Part #
1½"	BS63N	BS22N	BS201
2½"	BS93N	BS32N	BS301
Size	Plated Iron shank with Plated Iron nut Complete Part #	Plated Iron shank with Plated Iron nut Female Part #	Plated Iron Male Part #
1½"	S63N	S22N	S201
2½"	S93N	S32N	S301
Size	Plated Iron shank with Brass nut Complete Part #	Plated Iron shank with Brass nut Female Part #	Plated Iron Male Part #
1½"	SB63N	SB22N	S201
2½"	SB93N	SB32N	S301



complete



female



male

- NST (Common Fire Hose Thread) is also known as NH
- Replacement gaskets (KRW standard) are available, see page 205.

Steel King™ Short Shank Suction Couplings

NPSM Couplings

Application:

- for suction or discharge of water

Size	Plated Steel shank with Plated Iron nut Complete Part #	Plated Steel shank with Plated Iron nut Female Part #	Plated Steel Male Part #
1¼"	CSM125	FCSM125	MCS125
1½"	CSM150	FCSM150	MCS150
2"	CSM200	FCSM200	MCS200
2½"	CSM250	FCSM250	MCS250
3"	CSM300	FCSM300	MCS300
4"	CSM400	FCSM400	MCS400
6"	CSM600	FCSM600	MCS600
Size	Plated Steel shank with Brass nut Complete Part #	Plated Steel shank with Brass nut Female Part #	Plated Steel Male Part #
1¼"	CSB125	FCSB125	MCS125
1½"	CSB150	FCSB150	MCS150
2"	CSB200	FCSB200	MCS200
2½"	CSB250	FCSB250	MCS250
3"	CSB300	FCSB300	MCS300
4"	CSB400	FCSB400	MCS400
6"	CSB600	FCSB600	MCS600



complete



female



male

- Replacement gaskets (KRW standard) are available, see page 205.



Super King™ Long Shank Hose Couplings

Female NPSM Couplings

Application:

- for liquid transfer where steel and stainless are preferred

Industrial Hose Fittings



pin lug nut



hex nut

Size	Shank Length	Plated Steel Shank with Brass Pin Lug Nut ¹ Part #	Plated Steel Shank with Iron Pin Lug Nut ¹ Part #
1¼"	4⅞"	SD15	SDMP15
1½"	4⅞"	SD20	SDMP20
2"	5"	SD25	SDMP25
2½"	5"	SD30	SDMP30
3"	5"	SD35	SDMP35
4"	5"	SD40	SDMP40

Size	Shank Length	316 Stainless Shank with Iron Pin Lug Nut ¹ Part #	316 Stainless Shank with Stainless Hex Nut ² Part #
1½"	4⅞"	---	RSHR20
2"	5"	RSDM25	RSDR25
3"	5"	RSDM35	---

¹ K LW leather gaskets standard

² PTFE gaskets standard

Male NPT Couplings



Size	Shank Length	Plated Steel Part #	316 Stainless Part #
1¼"	4-3/8"	SK16	---
1½"	4-5/32"	SK21	---
2"	5-5/16"	SK26	RSK26
2½"	5-5/16"	SK31	---
3"	5-1/2"	SK36	RSK36
4"	5-1/2"	SK46	---

- all Super King™ long shank couplings accept 3 band clamps

Pin Lug Spanner Wrenches

Single End



Size	Plated Iron Part #
2"	SW20
2½"	SW25
3"	SW30
4"	SW40
6"	SW60

Double End



Size	Plated Iron Part #
1½", 2" x 2½", 3"	SW153

- additional spanner wrenches are available on pages 799 - 802

Short Shank Hose Couplings

Complete NPSM Couplings

Size	316 Stainless Steel Part #
1/2"	RES404
3/4"	RES606
1"	RES808
1 1/4"	RES48
1 1/2"	RES63
2"	RES78



Industrial Hose Fittings

- Standard gasket is rubber (KRW); for FKM gaskets (KVW) see page 205.

Female NPSM Couplings

Size	316 Stainless Steel Part #
1/2"	RES444
3/4"	RES646
1"	RES848
1 1/4"	RES33
1 1/2"	RES43
2"	RES53



- Standard gasket is rubber (KRW); for FKM gaskets (KVW) see page 205.

Machined Short Shank Hose Couplings

Complete NPSM Couplings

Hose ID	NPSM Thread	Previous Part #	Brass Part #
1/2"	3/4"	---	BS406
3/4"	3/4"	---	BS606
1"	1"	BS808 ¹	5921616K ^{1,2}



¹ NPSH threads

² washer is **5911212W**

- use with KRW washers on page 205

Female NPSM Couplings

Hose ID	NPSM Thread	Previous Part #	Brass Part #
1/2"	3/4"	---	BS446
5/8"	3/4"	---	BS546
3/4"	3/4"	---	BS646
1"	1"	BS848 ¹	5911616C ^{1,2}



¹ NPSH threads

² washer is **5911212W**

- use with KRW washers on page 205

Male NPSM Couplings

Hose ID	NPSM Thread	Previous Part #	Brass Part #
1/2"	3/4"	---	BS416
3/4"	3/4"	---	BS616
1"	1"	BS818 ¹	5901616C ¹



¹ NPSH threads

- use with KRW washers on page 205





plated steel

Long Shank Hose Couplings

Complete NPSM Couplings

Hose ID	NPSM Thread	Plated Steel Part #	Plated Iron Part #	Previous Part #	Brass Part #
1/2"	1/2"	SLS404	---	---	BLS404
1/2"	3/4"	---	---	---	BLS406
5/8"	3/4"	---	---	---	BLS506
3/4"	3/4"	SLS606	---	---	BLS606
1"	1"	SLS808	---	BLS808	5951616K ^{1, 2}
1 1/4"	1 1/4"	---	MLS48	---	BLS48
1 1/2"	1 1/2"	---	MLS63	---	BLS63
2"	2"	---	MLS78	---	BLS78

¹ NPSH thread² washer is **5911616W**

- sizes 1/2" to 1" are machined; 1 1/4" to 2" are cast
- replacement gaskets (KRW standard) available on page 205

Female NPSM Couplings

Hose ID	NPSM Thread	Plated Steel Part #	Plated Iron Part #	Previous Part #	Brass Part #
1/2"	1/2"	SLS444	---	---	BLS444
1/2"	3/4"	---	---	---	BLS446
5/8"	3/4"	---	---	---	BLS546
3/4"	3/4"	SLS646	---	---	BLS646
1"	1"	SLS848	---	BLS848	5941616C ^{1, 2}
1 1/4"	1 1/4"	---	MLS33	---	BLS33
1 1/2"	1 1/2"	---	MLS43	---	BLS43
2"	2"	---	MLS53	---	BLS53

¹ NPSH thread² washer is **5911616W**

- 1/2" to 1" are machined; 1 1/4" to 2" are cast
- replacement gaskets (KRW standard) available on page 205

Male NPSM Couplings

Hose ID	NPSM Thread	Plated Steel Part #	Plated Iron Part #	Previous Part #	Brass Part #
1/2"	1/2"	SLS414	---	---	BLS414
1/2"	3/4"	---	---	---	BLS416
5/8"	3/4"	---	---	---	BLS516
3/4"	3/4"	SLS616	---	---	BLS616
1"	1"	SLS818	---	BLS818	5931616C ¹
1 1/4"	1 1/4"	---	MLS15	---	BLS15
1 1/2"	1 1/2"	---	MLS20	---	BLS20
2"	2"	---	MLS25	---	BLS25

¹ NPSH thread

- 1/2" to 1" are machined; 1 1/4" to 2" are cast



plated steel

Long Shank Hose Couplings

Complete NST Couplings

Hose ID	NST Thread	Brass Part #
1½"	1½"	BLS63NST
2½"	2½"	BLS93NST

- replacement gaskets (KRW standard) available on page 205
- for GHT long shank complete couplings see page 237



Industrial Hose Fittings

Female NST Couplings

Hose ID	NST Thread	Brass Part #
1½"	1½"	BLS150NST
2½"	2½"	BLS250NST

- replacement gaskets (KRW standard) available on page 205
- for GHT long shank female coupling see page 237



Male NST Couplings

Hose ID	NST Thread	Brass Part #
1½"	1½"	BLS20NST
2½"	2½"	BLS30NST

- for GHT long shank male coupling see page 237





Spray Hose Couplings

Complete NPSM Couplings

Hose ID	NPSM Thread	Plated Steel Part #
3/8"	3/4"	SS306
1/2"	1/2"	SS404
1/2"	3/4"	SS406
3/4"	3/4"	SS606
1"	1"	SS808

- for GHT spray hose complete coupling see page 238
- replacement KLW (leather gaskets) standard, can be found on page 205

Female NPSM Couplings

Hose ID	NPSM Thread	Plated Steel Part #
3/8"	3/4"	SS346
1/2"	1/2"	SS444
1/2"	3/4"	SS446
3/4"	3/4"	SS646
1"	1"	SS848

- for GHT spray hose female coupling see page 238
- replacement KLW (leather gaskets) standard, can be found on page 205

Male NPSM Couplings

Hose ID	NPSM Thread	Plated Steel Part #
3/8"	3/4"	SS316
1/2"	1/2"	SS414
1/2"	3/4"	SS416
3/4"	3/4"	SS616
1"	1"	SS818

- for GHT spray hose male coupling see page 238



Gaskets for Suction, Short, Long and Spray Hose Couplings

- for use on NPSM threaded couplings

Hose ID	Rubber (Styrene Butadiene) Part #	Neoprene Part #	FKM Part #
½"	KRW1	---	---
¾"	KRW5	KNW5	---
1"	KRW10	KNW10	KVW10
1¼"	KRW15	KNW15	---
1½"	KRW20	KNW20	KVW20
2"	KRW25	KNW25	KVW25
2½"	KRW30	KNW30	---
3"	KRW35	KNW35	KVW35
4"	KRW40	KNW40	---
5"	KRW50	---	---
6"	KRW60	KNW60	---
8"	KRW80	KNW80	---



rubber



neoprene



FKM



leather



rubber

Industrial Hose
Fittings

D

Hose ID	Leather Part #	Rubber Part #
½"	KLW1	---
¾"	KLW5	---
1"	KLW10	---
1¼"	KLW15	---
1½"	KLW20	KRW2075 ¹
2"	KLW25	---
2½"	KLW30	KRW3075 ¹
3"	KLW35	---
4"	KLW40	---

¹ NST only threaded couplings

Strainers

Application:

- used on the submersed end of suction hose to prevent debris from entering the pump during operation

Round Hole Strainers



zinc plated steel



304 stainless steel

NPSM Size	Zinc Plated Steel Part #	304 Stainless Steel Part #
3/4"	RHS5	---
1"	RHS10	---
1½"	RHS20	RRHS20
2"	RHS25	RRHS25
2½"	RHS30	---
3"	RHS35	RRHS35
4"	RHS40	RRHS40
6"	RHS60	RRHS60
8"	RHS80	---
10"	RHS100	---
12"	RHS120	---

Square Hole Strainers



NPSM Size	Zinc Plated Steel Part #
2"	SHS25
3"	SHS35
4"	SHS40
6"	SHS60
8"	SHS80
10"	SHS100
12"	SHS120

Polypropylene Strainers



NPT Size	Black Polypropylene with 30% fiberglass Part #
1½"	TSS20
2"	TSS25
3"	TSS35
4"	TSS40

Strainers

Round Hole Long Strainers

NPSM Size	Zinc Plated Steel Part #
1½"	RSS20
2"	RSS25
3"	RSS35
4"	RSS40

Industrial Hose
Fittings

Skimmers

Round Hole Bottom Skimmers

NPSM Size	Zinc Plated Steel Part #
1½"	DSB20
2"	DSB25
3"	DSB35



Round Hole Top Skimmers

NPSM Size	Zinc Plated Steel Part #
1½"	DST20
2"	DST25
3"	DST35



Foot Valves

Application:

- for use on water suction hose to prevent pump from losing it's prime
- **must** be installed in the *vertical position*
- for water service *only*
- not for compressed air or other compressible gases



NPT Size	Painted Cast Iron Part #
1½"	DFVS20
2"	DFVS25
2½"	DFVS30
3"	DFVS35
4"	DFVS40
6"	DFVS60
8"	DFVS80

Strainers



Size	Painted Cast Iron Part #
1½"	FVS20
2"	FVS25
2½"	FVS30
3"	FVS35
4"	FVS40
6"	FVS60
8"	FVS80

Flapper Assemblies



Size	Painted Cast Iron / Rubber Part #
1½"	FVFA20
2"	FVFA25
2½"	FVFA30
3"	FVFA35
4"	FVFA40
6"	FVFA60
8"	FVFA80

Flapper Gaskets



Size	Rubber Part #
1½"	FVL20
2"	FVL25
2½"	FVL30
3"	FVL35
4"	FVL40
6"	FVL60
8"	FVL80

Seat Plates



Size	Painted Cast Iron Part #
1½"	FVSP20
2"	FVSP25
2½"	FVSP30
3"	FVSP35
4"	FVSP40
6"	FVSP60
8"	FVSP80

Dixon® Hose Menders

- **not for compressible products such as air, nitrogen or steam**
- *The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult Dixon® for recommendations.*
- In accordance with the ARPM bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1½ times the working pressure and held for fifteen minutes without leaking or coupling movement. For additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturer's (ARPM) handbook or visit ARPMINC.com.



Size	Zinc Plated Steel Part #	Optional Qty	316 Stainless Steel Part #	Optional Qty
¼"	DMA	200	RDMA	100
⅜"	DMB	100	RDMB	100
½"	DM1	50	RDM1	50
⅝"	DM5	50	---	---
¾"	DM6	50	RDM6	50
1"	DM11	50	RDM11	50
1¼"	DM16	50	RDM16	5
1⅜"	DM18	50	---	---
1½"	DM21	50	RDM21	50
1½"	DMXL21 ¹	25	---	---
2"	DM26	50	RDM26	10
2"	DMXL26 ¹	25	---	---
2½"	DM31	25	---	---
3"	DM36	20	RDM36	5
4"	DM46	10	RDM46	5
5"	DM51	5	---	---
6"	DM66	4	---	---
8"	DM86	1	---	---
10"	DM100	1	---	---
12"	DM120	1	---	---



zinc plated steel



316 stainless steel

¹ XL series has extra long shank

King™ Hose Menders

- **not for compressible products such as air, nitrogen or steam**
- *The working pressure may vary with the construction of the hose, the type of clamping system used and the application.* Consult Dixon® for recommendations.
- In accordance with the ARPM bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1½ times the working pressure and held for fifteen minutes without leaking or coupling movement. For additional information and detailed instruction on testing procedures, see the Association for Rubber Products Manufacturer's (ARPM) handbook or visit ARPMINC.com.



for one clamp

Size	Steel Part #
1/4"	KM21
5/16"	KM251
1/2"	KM41
5/8"	KM51
3/4"	KM61
1"	KM81
1-1/4"	KM101
1-1/2"	KM121



for two clamps

Size	Steel Part #
1/2"	KM42
5/8"	KM52
3/4"	KM62
1"	KM82
1 1/4"	KM102
1 1/2"	KM122
2"	KM162

Barbed Hose Menders



Hose ID	Lead Free Brass ¹	Brass	
	Part #	Previous Part #	Part #
1/8"	---	BM1	1780202C
3/16"	---	BM15	1780303C
1/4" x 1/8"	---	BM2-1	1780402C
1/4"	1780404CLF	BM2	1780404C
5/16"	---	BM25	1780505C
3/8" x 1/4"	---	BM3-2	1780604C
3/8"	1780606CLF	BM3	1780606C
1/2" x 3/8"	---	BM4-3	1780806C
1/2"	1780808CLF	BM4	1780808C
5/8" x 3/8"	---	BM5-3	1781006C
5/8" x 1/2"	---	BM5-4	1781008C
5/8"	---	BM5	1781010C
3/4" x 1/2"	---	BM6-4	1781208C
3/4"	---	BM6	1781212C
1"	---	BM8	1781616C

¹ Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Short Shank Menders



Size	Length	Previous Part #	316 Stainless Steel Part #
1/4"	2-1/32"	1780404SS	RM2
3/8"	2-1/16"	1780606SS	RM3
1/2"	2-1/16"	1780808SS	RM4
3/4"	2-1/2"	1781212SS	RM6

Male NPTF x Hose Barb

- Optional package quantity

Hose ID	Male NPTF	Brass		Lead Free Brass ^{1,3} Part #	316 Stainless Steel ¹ Part #	Pkg Qty
		Previous Part #	Part #			
1/8"	1/8"	BN11	1020202C	---	RN11	100
	1/4"	BN122	1020204C	---	---	100
3/16"	1/8"	BN151	1020302C	1020302CLF	RN151	100
	1/4"	BN152	1020304C	---	RN152	100
1/4"	1/8"	BN21	1020402C	1020402CLF	RN21	100
	1/4"	BN22	1020404C	1020404CLF	RN22	100
	3/8"	BN23	1020406C	---	RN23	100
	1/2"	BN24	1020408C	---	---	50
5/16"	1/8"	BN251	1020502C	1020502CLF	RN251	100
	1/4"	BN252	1020504C	1020504CLF	RN252	50
	3/8"	BN253	1020506C	---	RN253	50
3/8"	1/8"	BN31	1020602C	1020602CLF	RN31	100
	1/4"	BN32	1020604C	1020604CLF	RN32	100
	3/8"	BN33	1020606C	1020606CLF	RN33	50
	1/2"	BN34	1020608C	1020608CLF	RN34	25
	3/4"	BN36	1020612C	---	---	25
	1/2"	BN42	1020804C	1020804CLF	RN42	50
1/2"	3/8"	BN43	1020806C	1020806CLF	RN43	50
	1/2"	BN44	1020808C	1020808CLF	RN44	25
	3/4"	BN46	1020812C	---	RN46	25
	5/8"	BN53	1021006C	---	RN53	50
5/8"	1/2"	BN54	1021008C	1021008CLF	RN54	25
	3/4"	BN56	1021012C	---	RN56	25
	3/4"	BN64	1021208C	1021208CLF	RN64	25
3/4"	1/2"	BN66	1021212C	1021212CLF	RN66	20
	3/4"	BN66	1021212C	1021212CLF	RN66	20
1"	3/4"	BN86	1021612C	---	RN86	20
	1"	BN88	1021616C ²	---	RKHN881 ⁴	10
1 1/4"	3/4"	BN106	1022012C	---	---	10
	1"	BN108	1022016C ²	---	---	5

¹ NPT thread

² capped

³ Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

⁴ same shank style as KHN881 shown on page 197

Industrial Hose Fittings



brass



316 stainless steel

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Male NPTF Swivel x Hose Barb

- Optional package quantity

Hose ID	Male NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	103-0402	1030402C	100
	1/4"	103-0404	1030404C	100
3/8"	1/4"	103-0604	1030604C	100
	3/8"	103-0606	1030606C	50
1/2"	3/8"	103-0806	1030806C	50
	1/2"	103-0808	1030808C	25
3/4"	3/4"	103-1212	1031212C	20
1"	1-1 1/2"	103-1616	1031616C ¹	10

¹ capped threads

- swivel is for assembly convenience only, not for live swivel applications **120 PSI** maximum





Male NPTF x Beaded Hose Barb

Hose ID	Male NPTF	Brass Part #	Pkg Qty
1/4"	1/8"	268B0402	100
	1/4"	268B0404	100
5/16"	1/8"	268B0502	100
	1/4"	268B0504	50
3/8"	1/8"	268B0602	100
	1/4"	268B0604	100
	3/8"	268B0606	50
1/2"	3/8"	268B0806	50
	1/2"	268B0808	50
5/8"	1/2"	268B1008	25
3/4"	1/2"	268B1208	50
	3/4"	268B1212	25

Male BSPT x Hose Barb



Hose ID	Male BSPT	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	BN21BSPT	1020402BSPT	100
	1/4"	BN22BSPT	1020404BSPT	100
3/8"	1/4"	BN32BSPT	1020604BSPT	100
	3/8"	BN33BSPT	1020606BSPT	50
	1/2"	BN34BSPT	1020608BSPT	25
1/2"	3/8"	BN43BSPT	1020806BSPT	50
	1/2"	BN44BSPT	1020808BSPT	50
3/4"	3/4"	BN66BSPT	1021212BSPT	25
1"	1"	BN88BSPT	1021616BSPT	10

Female NPTF x Hose Barb



brass



303 stainless steel

Hose ID	Female NPTF	Brass		Lead Free Brass ^{1,2} Part #	303 Stainless Steel ¹		Pkg Qty
		Previous Part #	Part #		Previous Part #	Part #	
1/8"	1/8"	BF11	1040202C	---	---	---	100
	1/4"	BF12	1040204C	---	---	---	100
3/16"	1/8"	BF151	1040302C	---	---	---	100
	1/4"	BF152	1040304C	---	---	---	100
1/4"	1/8"	BF21	1040402C	---	---	---	100
	1/4"	BF22	1040404C	1040404CLF	BF22SS	1040404SS	100
	3/8"	BF23	1040406C	---	---	---	50
	1/2"	BF24	1040408C	---	---	---	50
5/16"	1/8"	BF251	1040502C	---	---	---	100
	1/4"	BF252	1040504C	---	---	---	100
	3/8"	BF253	1040506C	---	---	---	100
3/8"	1/8"	BF31	1040602C	---	---	---	100
	1/4"	BF32	1040604C	1040604CLF	BF32SS	1040604SS	50
	3/8"	BF33	1040606C	1040606CLF	BF33SS	1040606SS	50
	1/2"	BF34	1040608C	1040608CLF	---	---	50
	3/4"	BF36	1040612C	---	---	---	25
1/2"	1/4"	BF42	1040804C	---	---	---	50
	3/8"	BF43	1040806C	---	---	---	50
	1/2"	BF44	1040808C	1040808CLF	BF44SS	1040808SS	50
	3/4"	BF46	1040812C	---	---	---	25
5/8"	3/8"	BF53	1041006C	---	---	---	50
	1/2"	BF54	1041008C	---	---	---	25
	3/4"	BF56	1041012C	---	---	---	25
3/4"	1/2"	BF64	1041208C	---	---	---	25
	3/4"	BF66	1041212C	---	---	---	20
1"	3/4"	BF86	1041612C	---	---	---	20
	1"	BF88	1041616C	---	---	---	10
1-1/4"	1"	BF108	1042016C	---	---	---	10

¹ NPT threads and are packaged to order² Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Female NPSM Swivel x Hose Barb Ball Seat

Hose ID	Female NPSM	Brass		Pkg Qty
		Previous Part #	Part #	
1/8"	1/8"	BFS11	1240202K	100
3/16"	1/8"	BFS151	1240302K	100
	1/4"	BFS152	1240304K	100
1/4"	1/8"	BFS21	1240402K	100
	1/4"	BFS22	1240404K	100
	3/8"	BFS23	1240406K	100
5/16"	1/4"	BFS252	1240504K	100
	3/8"	BFS253	1240506K	50
3/8"	1/4"	BFS32	1240604K	100
	3/8"	BFS33	1240606K	100
	1/2"	BFS34	1240608K	100
1/2"	3/8"	BFS43	1240806K	50
	1/2"	BFS44	1240808K	100
3/4"	3/4"	BFS66	1241212K	50



Industrial Hose Fittings

Female NPSM Swivel x Hose Barb Gasket Seat

Hose ID	Female NPSM	Brass		Pkg Qty
		Previous Part #	Part #	
1/8"	1/8"	126-0202	1260202C	100
3/16"	1/8"	126-0302	1260302C	100
	1/4"	126-0304	1260304C	100
1/4"	1/8"	126-0402	1260402C	100
	1/4"	126-0404	1260404C	100
	3/8"	126-0406	1260406C	100
5/16"	1/4"	126-0504	1260504C	100
3/8"	1/4"	126-0604	1260604C	100
	3/8"	126-0606	1260606C	50
	1/2"	126-0608	1260608C	50
1/2"	3/8"	126-0806	1260806C	50
	1/2"	126-0808	1260808C	50
3/4"	3/4"	126-1212	1261212C	25



- not recommended for water applications

Male NPTF x Hose Barb 90° Elbow



Hose ID	Male NPTF	Brass		Lead Free Brass ^{2,3} Part #
		Previous Part #	Part #	
3/16"	1/8"	EL15H1M	1290302C	---
1/4"	1/8"	EL2H1M	1290402C	---
	1/4"	EL2H2M	1290404C	1290404CLF
	3/8"	EL2H3M	1290406C	---
5/16"	1/8"	EL25H1M	1290502C	---
	1/4"	EL25H2M	1290504C	---
	3/8"	EL25H3M	1290506C	---
3/8"	1/8"	EL3H1M	1290602C	---
	1/4"	EL3H2M	1290604C	1290604CLF
	3/8"	EL3H3M	1290606C	1290606CLF
	1/2"	EL3H4M	1290608C	---
1/2"	1/4"	EL4H2M	1290804C	---
	3/8"	EL4H3M	1290806C	---
	1/2"	EL4H4M	1290808C	---
5/8"	3/8"	EL5H3M	1291006C	---
	1/2"	EL5H4M	1291008C	---
3/4"	1/2"	EL6H4M	1291208C	---
	3/4"	EL6H6M	1291212C	---
1"	3/4"	EL8H6M	1291612C	---
	1"	EL8H8M	1291616C ¹	---

¹ capped² Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400³ NPT thread

Hose ID	Male NPT	Stainless Steel		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	EL2H1MSS	1290402SS	50
	1/4"	EL2H2MSS	1290404SS	50
3/8"	1/4"	EL3H2MSS	1290604SS	50
	3/8"	EL3H3MSS	1290606SS	50
1/2"	1/4"	EL4H2MSS	1290804SS	50
	3/8"	EL4H3MSS	1290806SS	50
	1/2"	EL4H4MSS	1290808SS	25
3/4"	1/2"	EL6H4MSS	1291208SS	25
	3/4"	EL6H6MSS	1291212SS	25

Female NPTF x Hose Barb 90° Elbow



Hose ID	Female NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	134-0402	1340402C	50
	1/4"	134-0404	1340404C	50
3/8"	1/4"	134-0604	1340604C	50
	3/8"	134-0606	1340606C	50
1/2"	1/4"	134-0804	1340804C	25
	3/8"	134-0806	1340806C	25
	1/2"	134-0808	1340808C	25
3/4"	3/4"	134-1212	1341212C	25

Barbed 90° Elbow Splicers

Hose ID	Brass		304 Stainless Steel		Pkg Qty
	Previous Part #	Part #	Previous Part #	Part #	
1/8"	177-0202	1770202C	177-0202SS	1770202SS	25
3/16"	177-0303	1770303C	177-0303SS	1770303SS	25
1/4" x 1/8"	177-0402	1770402C	---	---	25
1/4"	177-0404	1770404C	177-0404SS	1770404SS	25
5/16"	177-0505	1770505C	---	---	25
3/8" x 1/4"	177-0604	1770604C	---	---	25
3/8"	177-0606	1770606C	177-0606SS	1770606SS	25
1/2" x 3/8"	177-0806	1770806C	---	---	25
1/2"	177-0808	1770808C	177-0808SS	1770808SS	25
5/8"	177-1010	1771010C	---	---	25
3/4" x 1/2"	177-1208	1771208C	---	---	25
3/4"	177-1212	1771212C	---	---	25



brass



304 stainless steel

Industrial Hose Fittings

Barbed Tee Splicers

Hose ID	Brass		Lead Free Brass Part #	Pkg Qty
	Previous Part #	Part #		
1/8"	179-0202	1790202C	---	25
3/16"	179-0303	1790303C	---	100
1/4" x 1/8"	179-0402	1790402C	---	25
1/4"	179-0404	1790404C	1790404CLF	25
5/16"	179-0505	1790505C	---	25
3/8" x 1/4"	179-0604	1790604C ¹	---	25
3/8" x 1/4"	---	1790604BARB	---	25
3/8"	179-0606	1790606C	1790606CLF	25
1/2" x 3/8"	179-0806	1790806C	---	25
1/2"	179-0808	1790808C	---	25
5/8"	179-1010	1791010C	---	25
3/4" x 1/2"	179-1208	1791208C	---	25
3/4"	179-1212	1791212C	---	20

¹ drop leg has 1/4"-18 male NPTF thread

brass



brass with male NPTF



lead free brass



304 stainless steel

Hose ID	304 Stainless Steel	
	Previous Part #	Part #
1/8"	179-0202SS	1790202SS
3/16"	179-0303SS	1790303SS
1/4"	179-0404SS	1790404SS
3/8"	179-0606SS	1790606SS
1/2"	179-0808SS	1790808SS





Male NPTF x Hose Barb 45° Elbow

Hose ID	Male NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	139-0402	1390402C	100
	1/4"	139-0404	1390404C	25
3/8"	1/8"	139-0602	1390602C	100
	1/4"	139-0604	1390604C	100
	3/8"	139-0606	1390606C	25
1/2"	1/4"	139-0804	1390804C	25
	3/8"	139-0806	1390806C	25
	1/2"	139-0808	1390808C	25
3/4"	1/2"	139-1208	1391208C	25

Male 45° SAE x Hose Barb



Hose ID	Male UNF	Brass		Pkg Qty
		Previous Part #	Part #	
3/16"	7/16"-20	142-0307	1420307C	100
1/4"	7/16"-20	142-0407	1420407C	100
	5/8"-18	142-0410	1420410C	100
5/16"	1/2"-20	142-0508	1420508C	100
3/8"	5/8"-18	142-0610	1420610C	50
	3/4"-16	142-0612	1420612C	50
1/2"	3/4"-16	142-0812	1420812C	50

Female 45°SAE/37°JIC Swivel x Hose Barb



Hose ID	Tube OD	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
3/16"	1/4"	7/16"-20	143-0307	1430307K	100
1/4"	1/4"	7/16"-20	143-0407	1430407K	100
	1/4"	7/16"-20	---	1430407KLF¹	---
	5/16"	1/2"-20	143-0408	1430408K	100
5/16"	5/16"	1/2"-20	143-0508	1430508K	50
3/8"	1/2"	3/4"-16	143-0612	1430612K	100
1/2"	1/2"	3/4"-16	143-0812	1430812K	100
	5/8"	7/8"-14	143-0814	1430814K	50

¹ Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Female 45° SAE Swivel x Hose Barb

Hose ID	Tube OD	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
3/16"	3/16"	3/8"-24	144-0306	1440306K	100
1/4"	3/8"	5/8"-18	144-0410	1440410K	100
5/16"	3/8"	5/8"-18	144-0510	1440510K	100
3/8"	3/8"	5/8"-18	144-0610	1440610K	100
1/2"	1/2"	3/4"-16	144-0812	1440812K	100
3/4"	3/4"	1-1/16"-14	144-1217	1441217K ¹	25

¹ Notch in nut for SAE identification



Industrial Hose Fittings

Female 37° JIC Swivel x Hose Barb

Hose ID	Tube OD	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
3/8"	3/8"	9/16"-18	145-0609	1450609K	100
3/4"	3/4"	1-1/16"-12	145-1217	1451217K	25



Female PTF-SAE Short Swivel x Hose Barb

Hose ID	Female PTF-SAE Short	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/4"	105-0404	1050404C	50
3/8"	1/4"	105-0604	1050604C	50
	3/8"	105-0606	1050606C	50
1/2"	3/8"	105-0806	1050806C	50
	1/2"	105-0808	1050808C	25



- swivel is for assembly convenience only, not for live swivel applications, **120 PSI** maximum

Brass Ferrules for Air & Fluid

• sold in package quantities only

Ferrule ID	Ferrule Length	End Hole Size	Metal Gauge	Std Ind Part #	Bore/Crimp Diameter ¹	Previous Part #	Brass Part #	Pkg Qty
.478"	.688	.328	.024"	4750	0.450	2004750C	BFM478	50
.500"	1	.344	.024"	7322	0.475	2005005C	BFM500	50
.528"	1	.375	.024"	7323	0.500	2005255C	BFM525	50
.528"	1	.438	.024"	7324	0.500	2005310C	BFM531	50
.562"	1	.438	.024"	7325	0.525	2005620C	BFM562	50
.593"	1	.438	.024"	7326	0.550	2005930C	BFM593	50
.625"	1	.438	.024"	7327	0.575	2006255C	BFM625	50
.656"	1	.438	.024"	7328	0.600	2006560C	BFM656	50
.687"	1	.500	.024"	7329	0.625	2006900C	BFM687	50
.718"	1	.625	.024"	7330	0.675	2007180C	BFM718	50
.718"	1	.500	.024"	7330B	0.675	---	BFM718B	50
.750"	1	.625	.024"	7331	0.700	2007505C	BFM750	50
.750"	1	.500	.024"	7331B	0.700	---	BFM750B	50
.781"	1	.625	.024"	7332	0.725	2007810C	BFM781	50
.781"	1	.500	.024"	7332B	0.725	---	BFM781B	50
.812"	1	.625	.024"	7333	0.750	2008120C	BFM812	50
.380"	.500	.266	.016"	622	0.350	---	BFL380	50
.400"	.469	.266	.020"	619	0.375	2004000C	BFL400	50
.410"	.500	.266	.016"	620	0.375	---	BFL410	50
.450"	.469	.344	.016"	769	0.425	2004530C	BFL450	50
.500"	.500	.344	.016"	624	0.450	2005000C	BFL500	50
.525"	.500	.344	.016"	625	0.475	2005250C	BFL525	50
.548"	.484	.375	.016"	626	0.500	2005500C	BFL548	50
.564"	.750	.375	.019"	3588	0.525	---	BFL564	50
.575"	.484	.469	.019"	KK	0.525	---	BFL575	50
.600"	.500	.500	.019"	JJ	0.550	---	BFL600	50
.625"	.500	.500	.019"	II	0.575	2006250C	BFL625	50
.650"	.500	.500	.019"	HH	0.600	2006500C	BFL650	50
.675"	.516	.500	.019"	GG	0.625	2006750C	BFL675	50
.725"	.531	.500	.019"	EE	0.675	2007250C	BFL725	50
.750"	.531	.500	.019"	DD	0.675	2007500C	BFL750	50
.775"	.531	.500	.016"	CC	0.700	2007750C	BFL775	50

¹ Plain die bore diameter can be used as crimp spec $\pm .005$

• For use with ribbed and plain dies on page 219

Brass Ferrules for Fluid

• sold in package quantities only

Ferrule ID	Ferrule Length	End Hole Size	Metal Gauge	Std Ind Part #	Ribbed Die*	Plain Die*	Bore/Crimp Diameter ¹	Previous Part #	Brass Part #	Pkg Qty
.800"	.844"	.688"	.024"	---	R28	P29	0.750	---	BF800	25
.825"	.844"	.688"	.024"	---	R27	P28	0.775	---	BF825	25
.850"	.563"	.688"	.019"	Z	R26	P27	0.800	---	BF850	25
.875"	.844"	.688"	.024"	7244A	R25	P26	0.825	2008750C	BFW875	25
.900"	.844"	.688"	.024"	5029A	R24	P25	0.850	---	BFW900	25
.937"	.844"	.688"	.024"	7242A	R23	P24	0.875	2009250C	BFW925	25
.975"	.844"	.688"	.024"	5028A	R21	P22	0.925	2009750C	BFW975	25
1.025"	.844"	.693"	.024"	7114A	R19	P20	0.975	2001025C	BFW1025	25
1.175"	.844"	.875"	.024"	7088A	R13	P14	1.125	2001175C	BFW1175	25
1.050"	.625"	.750"	.025"	3605	R18	P19	1.000	---	BFMW1050	25
1.100"	.844"	.812"	.024"	5027A	R16	P17	1.050	2001100C	BFMW1100	25
1.150"	.844"	.875"	.024"	7104A	R15	P15	1.100	2009950C	BFMW1150	25
1.225"	.875"	.875"	.025"	875-K	R11	P12	1.175	2001225C	BFMW1225	25
1.275"	.875"	1.000"	.025"	875-I	R9	P10	1.225	---	BFMW1275	25
1.400"	.687"	1.125"	.019"	D	R4	P5	1.350	---	BFMW1400	25
1.500"	.875"	1.125"	.025"	1500	---	P1	1.450	2001500C	BFMW1500	25

¹ Plain die bore diameter can be used as crimp spec $\pm .005$

• For use with ribbed and plain dies on page 219



BFM



BFL



BFMW

Ribbed and Plain Dies

Ferrule ID	Std Ind Part #	Bore/Crimp Diameter ¹	Ribbed Die	Plain Die
.478"	4750	0.450	R41	P42
.500"	7322	0.475	R40	P40
.528"	7323	0.500	R39	P39
.528"	7324	0.500	R39	P39
.562"	7325	0.525	R37	P38
.593"	7326	0.550	R36	P37
.625"	7327	0.575	R35	P36
.656"	7328	0.600	R34	P35
.687"	7329	0.625	R33	P34
.718"	7330	0.675	R31	P32
.718"	7330B	0.675	R31	P32
.750"	7331	0.700	R30	P31
.750"	7331B	0.700	R30	P31
.781"	7332	0.725	R29	P30
.781"	7332B	0.725	R29	P30
.812"	7333	0.750	R28	P29
.380"	622	0.350	R44	P45
.400"	619	0.375	R44	P44
.410"	620	0.375	R43	P44
.450"	769	0.425	R41	P42
.500"	624	0.450	R40	P41
.525"	625	0.475	R39	P40
.548"	626	0.500	R38	P39
.564"	3588	0.525	R37	P38
.575"	KK	0.525	R37	P38
.600"	JJ	0.550	R36	P37
.625"	II	0.575	R35	P36
.650"	HH	0.600	R34	P35
.675"	GG	0.625	R34	P34
.725"	EE	0.675	R31	P32
.750"	DD	0.675	R30	P32
.775"	CC	0.700	R31	P31
.800"	---	0.750	R28	P29
.825"	---	0.775	R27	P28
.850"	Z	0.800	R26	P27
.875"	7244A	0.825	R25	P26
.900"	5029A	0.850	R24	P25
.937"	7242A	0.875	R23	P24
.975"	5028A	0.925	R21	P22
1.025"	7114A	0.975	R19	P20
1.175"	7088A	1.125	R13	P14
1.050"	3605	1.000	R18	P19
1.100"	5027A	1.050	R16	P17
1.150"	7104A	1.100	R15	P15
1.225"	875-K	1.175	R11	P12
1.275"	875-I	1.225	R9	P10
1.400"	D	1.350	R4	P5
1.500"	1500	1.450	---	P1

¹ Plain die bore diameter can be used as crimp spec ± 0.005

- dies for use with 5111A and 1765A ferrule machines. Other sizes are available.

Industrial Hose Fittings



P29



R28

Manually - Operated Brass Ferrule Crimper

Industrial Hose
Fittings**Features:**

- crimps all brass ferrules shown on page 218
- does not include dies
- Dies for ferrule machines are available in standard sets for all ferrules as tabulated (4 segments to a set), supplied with plain or ribbed crimping surface
- height: 27" with handle upright
- base: 8" x 3"
- body: 7 $\frac{3}{8}$ "

Part #

5111A

Air Operated Brass Ferrule Crimper

**Features:**

- provides efficient mass production assembly of hose, ferrules, and fittings
- The foot pedal permits the use of both hands, reduces fatigue and speeds production.
- complete with air cylinder, ferrule machine (less dies), fitted hose lengths and necessary control valves
- ready for work bench installation
- crimps all brass ferrules shown on page 218

Part #

1765A

Die sizes for ferrules and machine numbers 1765A and 5111A are on page 219.

Small Hose Crimpers

Features:

- Hose crimper provides "big tool" crimping advantages at a fraction of the cost.
- rugged, portable and easy to use
- 855 crimper with 5 dies for 31/64" (0.484") to 45/64" (0.703") OD hose
- 855A crimper with 5 dies for 28/64" (0.437") to 43/64" (0.671") OD hose
- optional dies up to 52/64" OD available



Industrial Hose Fittings

Previous Part #	Part #
200FC	855
---	855A

Small Hose Crimper Dies

Die Bore	Hose OD		Crimper # 855	Crimper # 855A	Previous Part #	Die Part #
	from	to				
.375"	.385"	.406"	optional	optional	200FC3	856-10
.437"	.447"	.468"	optional	standard	---	856-7
.484"	.490"	.520"	standard	standard	200FC4A	856-4
.531"	.540"	.562"	standard	standard	200FC4B	856-3
.578"	.590"	.625"	standard	standard	200FC5	856-2
.625"	.640"	.671"	standard	standard	200FC6A	856-1
.687"	.690"	.710"	standard	optional	200FC6B	856-5
.750"	.760"	.781"	optional	optional	200FC8A	856-8
.812"	.820"	.843"	optional	optional	200FC8B	856-9



D

Large Hose Crimper

**Features:**

- for crimping ½" to 1" ID hoses with larger OD's, from 11/16" to 1½"
- crimps standard brass or aluminum ferrules
- order separate dies for each hose diameter
- **Dies sold separately**

Crimper Part #

860

Crimper Dies

Hose OD/ Finished Crimp Dimension	Hose OD		Die Part #
	From	To	
11/16"	.687"	.765"	861-22
23/32"	.718"	.796"	861-23
3/4"	.750"	.828"	861-24
25/32"	.781"	.860"	861-25
13/16"	.812"	.890"	861-26
27/32"	.843"	.921"	861-27
7/8"	.875"	.953"	861-28
29/32"	.906"	.985"	861-29
15/16"	.937"	1.010"	861-30
31/32"	.968"	1.040"	861-31
1"	1.000"	1.070"	861-32
1-1/32"	1.031"	1.110"	861-33
1-1/16"	1.062"	1.114"	861-34
1-1/8"	1.125"	1.208"	861-36
1-3/16"	1.187"	1.265"	861-38
1-1/4"	1.250"	1.321"	861-40
1-5/16"	1.312"	1.390"	861-42
1-3/8"	1.375"	1.453"	861-44
1-7/16"	1.437"	1.551"	861-46
1-1/2"	1.500"	1.578"	861-48



Push-On Hose Barb Fittings

Assembly Instructions:

1. Trim hose end with smooth square cut
2. Lubricate either push-on fitting, hose or both.
3. Insert push-on fitting into hose until first barb is in hose.
4. Place end of fitting against a flat object (bench, wall, etc.) and grip the hose one inch from end. Push with a steady force until end of hose is covered by yellow plastic cap.

Disassembly Instructions:

1. Leaving push-on fitting in place, make a 1" cut in the hose along the barbed end of the fitting. Note: Be careful not to nick barbs when cutting the hose.
2. With firm grip on hose, give a sharp downward pull to release the fitting from the hose.

• **intended for use with Lok-On (push-on style) hose only**

- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



Male NPTF x Hose Barb

- refer to page 226 for Push-On garden hose thread fittings
- optional package quantity

Hose ID	Male NPTF	Brass			Brass Cap Option		Lead Free Brass ^{1,3}	
		Previous Part #	Part #	Pkg Qty	Part #	Pkg Qty	Part #	Pkg Qty
1/4"	1/8"	BPN21	2720402C	100	2720402CBC	100	2720402CLF	100
	1/4"	BPN22	2720404C	100	2720404CBC	100	2720404CLF	100
	3/8"	BPN23	2720406C	50	2720406CBC	50	---	---
5/16"	1/8"	BPN251	2720502C	100	---	---	---	---
	1/4"	BPN252	2720504C	50	---	---	---	---
3/8"	1/8"	BPN31	2720602C	100	2720602CBC	100	---	---
	1/4"	BPN32	2720604C	50	2720604CBC	50	2720604CLF	50
	3/8"	BPN33	2720606C	50	2720606CBC	50	2720606CLF	50
	1/2"	BPN34	2720608C	25	2720608CBC	25	---	---
	3/4"	BPN36	2720612C	25	2720612CBC	25	---	---
1/2"	1/4"	BPN42	2720804C	25	2720804CBC	25	---	---
	3/8"	BPN43	2720806C	25	2720806CBC	25	2720806CLF	50
	1/2"	BPN44	2720808C	50	2720808CBC	50	2720808CLF	25
	3/4"	BPN46	2720812C	50	2720812CBC	50	---	---
5/8"	3/8"	BPN53	2721006C	25	2721006CBC	25	---	---
	1/2"	BPN54	2721008C	25	2721008CBC	25	---	---
	3/4"	BPN56	2721012C	25	2721012CBC	25	---	---
3/4"	1/2"	BPN64	2721208C	25	2721208CBC	25	---	---
	3/4"	BPN66	2721212C	25	2721212CBC	25	---	---
1"	3/4"	BPN86	2721612C	10	---	---	---	---
	1"	BPN88	2721616C ²	10	---	---	---	---

Hose ID	Male NPT	303 Stainless Steel		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	RPN21	2720402SS	100
	1/4"	RPN22	2720404SS	100
3/8"	1/4"	RPN32	2720604SS	50
	3/8"	RPN33	2720606SS	50
1/2"	1/4"	RPN42	2720804SS	25
	3/8"	RPN43	2720806SS	50
	1/2"	RPN44	2720808SS	25
3/4"	1/2"	RPN64	2721208SS	25
	3/4"	RPN66	2721212SS	20
1"	1"	RPN88	2721616SS ²	5

¹ Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

² capped

³ NPT threads 272LF



brass



brass cap



303 stainless steel

Male NPTF Swivel x Hose Barb

Hose ID	Male NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	271-0402	2710402C	100
	1/4"	271-0404	2710404C	50
3/8"	1/4"	271-0604	2710604C	50
	3/8"	271-0606	2710606C	50
1/2"	3/8"	271-0806	2710806C	25
	1/2"	271-0808	2710808C	20
3/4"	3/4"	271-1212	2711212C	10



• swivel is for assembly convenience only, not for live swivel applications, 120 PSI maximum



Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



Male NPTF x Hose Barb 90° Elbow



Hose ID	Male NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"-27	273-0402	2730402C	100
	1/4"-18	273-0404	2730404C	50
3/8"	1/8"-27	273-0602	2730602C	50
	1/4"-18	273-0604	2730604C	50
	3/8"-18	273-0606	2730606C	25
1/2"	3/8"-18	273-0806	2730806C	25
	1/2"-14	273-0808	2730808C	25
3/4"	1/2"-14	273-1208	2731208C	10
	3/4"-14	273-1212	2731212C	10

Female NPTF x Hose Barb

- refer to page 226 for Push-On garden hose thread fittings

Hose ID	Female NPTF	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	BPF21	2740402C	100
	1/8"	---	2740402CBC ¹	---
	1/4"	BPF22	2740404C	100
	1/4"	---	2740404CBC ¹	---
	3/8"	BPF23	2740406C	50
	3/8"	---	2740406CBC ¹	---
5/16"	1/8"	BPF251	2740502C	100
	1/4"	BPF252	2740504C	50
3/8"	1/8"	BPF31	2740602C	50
	1/8"	---	2740602CBC ¹	---
	1/4"	BPF32	2740604C	50
	1/4"	---	2740604CBC ¹	---
	3/8"	BPF33	2740606C	50
	3/8"	---	2740606CBC ¹	---
	1/2"	BPF34	2740608C	50
	3/4"	BPF36	2740612C	25
1/2"	1/4"	BPF42	2740804C	50
	1/4"	---	2740804CBC ¹	50
	3/8"	BPF43	2740806C	50
	3/8"	---	2740806CBC ¹	---
	1/2"	BPF44	2740808C	25
	1/2"	---	2740808CBC ¹	---
	3/4"	BPF46	2740812C	25
	3/4"	---	2740812CBC ¹	---
5/8"	3/8"	BPF53	2741006C	25
	1/2"	BPF54	2741008C	25
	1/2"	---	2741008CBC ¹	---
	3/4"	BPF56	2741012C	25
3/4"	1/2"	BPF64	2741208C	25
	3/4"	BPF66	2741212C	25
	3/4"	---	2741212CBC ¹	---
1"	3/4"	BPF86	2741612C	10
	1"	BPF88	2741616C	10

¹ brass cap on CBC parts



brass cap

Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



Female NPSM Swivel x Hose Barb Ball Seat

Hose ID	Female NPSM	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	BPFS21	2780402C	100
	1/8"	---	2780402CBC ¹	100
	1/4"	BPFS22	2780404C	50
	1/4"	---	2780404CBC ¹	50
	3/8"	BPFS23	2780406C	50
	3/8"	---	2780406CBC ¹	50
3/8"	1/4"	BPFS32	2780604C	50
	1/4"	---	2780604CBC ¹	50
	3/8"	BPFS33	2780606C	50
	3/8"	---	2780606CBC ¹	50
	1/2"	BPFS34	2780608C	25
	1/2"	---	2780608CBC ¹	25
1/2"	1/2"	BPFS44	2780808C	50
	1/2"	---	2780808CBC ¹	50
	3/4"	BPFS46	2780812C	25
	3/4"	---	2780812CBC ¹	20
5/8"	3/4"	BPFS56	2781012C	20
3/4"	3/4"	BPFS66	2781212C	20
	3/4"	---	2781212CBC ¹	---

¹ brass cap on CBC parts



brass cap

Industrial Hose Fittings

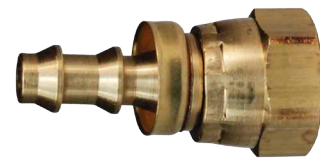
D

Female NPSM Swivel x Hose Barb Gasket Seat

Hose ID	Female NPSM	Brass		Pkg Qty
		Previous Part #	Part #	
1/4"	1/8"	280-0402	2800402C	100
	1/8"	---	2800402CBC ¹	100
	1/4"	280-0404	2800404C	100
	1/4"	---	2800404CBC ¹	100
3/8"	1/4"	280-0604	2800604C	50
	1/4"	---	2800604CBC ¹	50
	3/8"	280-0606	2800606C	50
	3/8"	---	2800606CBC ¹	50
	1/2"	280-0608	2800608C	50
	1/2"	---	2800608CBC ¹	50
1/2"	1/2"	280-0808	2800808C	25
	1/2"	---	2800808CBC ¹	25
5/8"	1/2"	280-1008	2801008C	25
3/4"	3/4"	280-1212	2801212C	20
	3/4"	---	2801212CBC ¹	20

¹ brass cap on CBC parts

- not recommended for use with water



brass cap

Hose Menders

Hose ID	Brass		303 Stainless Steel		Pkg Qty
	Previous Part #	Part #	Previous Part #	Part #	
1/4"	BPM2	2960404C	SSPM2	2960404SS	100
	---	2960404CBC ¹	---	---	100
5/16"	BPM25	2960505C	---	---	100
3/8"	BPM3	2960606C	SSPM3	2960606SS	50
	---	2960606CBC ¹	---	---	50
1/2"	BPM4	2960808C	SSPM4	2960808SS	50
	---	2960808CBC ¹	---	---	50
5/8"	BPM5	2961010C	SSPM5	---	20
	---	2961010CBC ¹	---	---	20
3/4"	BPM6	2961212C	SSPM6	---	15
	---	2961212CBC ¹	---	---	15
1"	BPM8	2961616C	---	---	10

¹ brass cap on CBC parts

- for Tuff-Lite™ hose menders in nylon and polypropylene see page 252



brass cap



Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



Lok-On Male Garden Hose Fittings



Hose ID	GHT Thread	Brass	
		Previous Part #	Part #
1/2"	3/4"	572-0812	5720812C
5/8"	3/4"	572-1012	5721012C
3/4"	3/4"	572-1212	5721212C

Lok-On Female Swivel Garden Hose Fittings



Hose ID	GHT Thread	Brass	
		Previous Part #	Part #
1/2"	3/4"	574-0812	5740812C
5/8"	3/4"	574-1012	5741012C
3/4"	3/4"	574-1212	5741212C

Lok-On Garden Hose Fitting Sets

Feature:

- washer included, part # **5911212W** on page 242



Hose ID	GHT Thread	Brass	
		Previous Part #	Part #
1/2"	3/4"	575-0808	5750808K
5/8"	3/4"	575-1010	5751010K
3/4"	3/4"	575-1212	5751212K

SAE Thread Size to UNF Thread Size Interchange

SAE Thread Number	SAE Tube OD	UNF Thread Size	SAE Thread Number	SAE Tube OD	UNF Thread Size
02	1/8"	5/16"- 24	07	7/16"	11/16" - 24
03	3/16"	3/8" - 24	08	1/2"	3/4" - 16
04	1/4"	7/16" - 20	10	5/8"	7/8" -14
05	5/16"	1/2" - 20	12	3/4"	1-1/16"-14
06	3/8"	5/8" -18	---	---	---

Male 45° SAE Swivel x Hose Barb



brass cap

Hose ID	Tube OD	Male UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	1/4"	7/16"-20	282-0407	2820407C	100
	1/4"	7/16"-20	---	2820407CBC²	100
	5/16"	1/2"-20	282-0408	2820408C	100
	5/16"	1/2"-20	---	2820408CBC²	100
3/8"	3/8"	5/8"-18 ¹	282-0610	2820610C	50
	3/8"	5/8"-18 ¹	---	2820610CBC²	100
1/2"	1/2"	3/4"-16	282-0812	2820812C	50
	1/2"	3/4"-16	---	2820812CBC²	50
5/8"	5/8"	7/8"-14	282-1014	2821014C	25
	5/8"	7/8"-14	---	2821014CBC²	25
3/4"	3/4"	1-1/16"-14 ¹	282-1217	2821217C	25
	3/4"	1-1/16"-14 ¹	---	2821217CBC²	25

¹ notch in nut for SAE identification² brass cap on CBC parts

Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



Female 45° SAE Swivel x Hose Barb

- SAE thread size to UNF thread size interchange chart on previous page

Hose ID	Tube OD	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	3/8"	5/8"-18 ¹	284-0410	2840410C	50
	3/8"	5/8"-18 ¹	---	2840410CBC²	---
5/16"	3/8"	5/8"-18 ¹	284-0510	2840510C	50
3/8"	3/8"	5/8"-18 ¹	284-0610	2840610C	100
	3/8"	5/8"-18 ¹	---	2840610CBC²	---
3/4"	3/4"	1-1/16"-14 ¹	284-1217	2841217C	25
	3/4"	1-1/16"-14 ¹	---	2841217CBC²	---

¹ notch in nut for SAE identification

² brass cap on CBC parts



brass cap

JIC Thread Size to UNF Thread Size Interchange

JIC Thread Number	JIC Tube OD	UNF Thread Size	JIC Thread Number	JIC Tube OD	UNF Thread Size
02	1/8"	5/16" - 24	12	3/4"	1-1/16" - 12
03	3/16"	3/8" - 24	14	7/8"	1-3/16" - 12
04	1/4"	7/16" - 20	16	1"	1-5/16" - 12
05	5/16"	1/2" - 20	20	1-1/4"	1-5/8" - 12
06	3/8"	9/16" - 18	24	1-1/2"	1-7/8" - 12
08	1/2"	3/4" - 16	28	1-3/4"	2-1/4" - 12
10	5/8"	7/8" - 14	32	2"	2-1/2" - 12

Male 37° JIC x Hose Barb

Hose ID	Tube OD	Male UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	1/4"	7/16"-20	286-0407	2860407C	100
	1/4"	7/16"-20	---	2860407CBC²	---
	5/16"	1/2"-20	286-0408	2860408C	50
	3/8"	9/16"-18	286-0409	2860409C	100
3/8"	3/8"	9/16"-18	---	2860409CBC²	---
	3/8"	9/16"-18	286-0609	2860609C	50
1/2"	1/2"	3/4"-16	286-0812	2860812C	25
	1/2"	3/4"-16	---	2860812CBC²	---
5/8"	5/8"	7/8"-14	286-1014	2861014C	25
	5/8"	7/8"-14	---	2861014CBC²	---
3/4"	3/4"	1-1/16"-12	286-1217	2861217C¹	10
	3/4"	1-1/16"-12	---	2861217CBC^{1, 2}	---

¹ UN Thread

² brass cap on CBC parts



brass cap

Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



Female 45°SAE/37°JIC Swivel x Hose Barb

Hose ID	Tube OD	Female UNF	Brass		Pkg Qty	Lead Free Brass ¹ Part #
			Previous Part #	Part #		
1/4"	1/4"	7/16"-20	287-0407	2870407C	100	2870407CLF
	1/4"	7/16"-20	---	2870407CBC ²	100	---
	5/16"	1/2"-20	287-0408	2870408C	100	---
	5/16"	1/2"-20	---	2870408CBC ²	---	---
3/8"	5/16"	1/2"-20	287-0608	2870608C	25	---
	1/2"	3/4"-16	287-0612	2870612C	25	---
	1/2"	3/4"-16	---	2870612CBC ²	---	---
1/2"	1/2"	3/4"-16	287-0812	2870812C	25	---
	1/2"	3/4"-16	---	2870812CBC ²	---	---
	5/8"	7/8"-14	287-0814	2870814C	25	---
	5/8"	7/8"-14	---	2870814CBC ²	---	---
5/8"	5/8"	7/8"-14	287-1014	2871014C	25	---
	5/8"	7/8"-14	---	2871014CBC ²	---	---
3/4"	5/8"	7/8"-14	287-1214	2871214C	25	---
	5/8"	7/8"-14	---	2871214CBC ²	25	---

Hose ID	Tube OD	Female UNF	Stainless Steel	
			Previous Part #	Part #
1/4"	1/4"	7/16"-20	287-0407SS	2870407SS
1/2"	1/2"	3/4"-16	287-0812SS	2870812SS

¹ lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

² brass cap on CBC parts

Female 37° JIC Swivel x Hose Barb

Hose ID	Tube OD	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	3/8"	9/16"-18	288-0409	2880409C	50
	3/8"	9/16"-18	---	2880409CBC ¹	50
5/16"	3/8"	9/16"-18	288-0509	2880509C	50
3/8"	3/8"	9/16"-18	288-0609	2880609C	50
	3/8"	9/16"-18	---	2880609CBC ¹	100
1/2"	3/8"	9/16"-18	288-0809	2880809C	25
3/4"	3/4"	1-1/16"-12 ²	288-1217	2881217C	10
	3/4"	1-1/16"-12 ²	---	2881217CBC ¹	10
1"	1"	1-5/16"-12 ²	288-1621	2881621C	10

¹ brass cap on CBC parts

Hose ID	Tube OD	Female UNF	303 Stainless Steel	
			Previous Part #	Part #
3/8"	3/8"	9/16"-18	288-0609SS	2880609SS
3/4"	3/4"	1-1/16"-12 ²	288-1217SS	2881217SS
1"	1"	1-5/16"-12 ²	288-1621SS	2881621SS

² UN Thread

Female 37°JIC / 45° SAE Swivel x 90° Elbow

Hose ID	Tube OD	Female UNF	Plated Steel		Pkg Qty
			Previous Part #	Part #	
1/4"	1/4"	7/16"-20	289-0407	2890407C ²	25
	1/4"	7/16"-20	289-0407SAE	2890407CSAE ¹	25
3/8"	3/8"	9/16"-18	289-0609	2890609C ²	25
	3/8"	5/8"-18	289-0610SAE	2890610CSAE ¹	25
1/2"	1/2"	3/4"-16	289-0812	2890812C ²	10
3/4"	3/4"	1-1/16"-12 ³	289-1217	2891217C ²	5

¹ notch in nut for SAE identification

² JIC only, may substitute dual angle

³ UN thread

Push-On Hose Barb Fittings

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



Male SAE Inverted Flare Swivel x Hose Barb

Hose ID	Tube OD	Male UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	3/16"	3/8"-24	290-0406	2900406C	100
	3/16"	3/8"-24	---	2900406CBC ²	100
	1/4"	7/16"-24 ¹	290-0407	2900407C	100
	1/4"	7/16"-24 ¹	---	2900407CBC ²	---
	5/16"	1/2"-20	290-0408	2900408C	100
	5/16"	1/2"-20	---	2900408CBC ²	---
5/16"	5/16"	1/2"-20	290-0508	2900508C	50
	3/8"	5/8"-18	290-0510	2900510C	50
3/8"	5/16"	1/2"-20	290-0608	2900608C	100
	5/16"	1/2"-20	---	2900608CBC ²	---
	3/8"	5/8"-18	290-0610	2900610C	50
	3/8"	5/8"-18	---	2900610CBC ²	---
1/2"	1/2"	3/4"-18 ¹	290-0812	2900812C	50
	1/2"	3/4"-18 ¹	---	2900812CBC ²	---
5/8"	5/8"	7/8"-18 ¹	290-1014	2901014C	25
	5/8"	7/8"-18 ¹	---	2901014CBC ²	---



brass cap

¹ UNS thread² brass cap on CBC parts

Female SAE Inverted Flare Rigid x Hose Barb

Hose ID	Tube OD	Female UNF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	3/16"	3/8"-24	292-0406	2920406C	100
	3/16"	3/8"-24	---	2920406CBC ²	---
	1/4"	7/16"-24 ¹	292-0407	2920407C	100
	1/4"	7/16"-24 ¹	---	2920407CBC ²	---
	5/16"	1/2"-20	292-0408	2920408C	100
	5/16"	1/2"-20	---	2920408CBC ²	---
5/16"	5/16"	1/2"-20	292-0508	2920508C	100
	5/16"	1/2"-20	292-0608	2920608C	100
3/8"	5/16"	1/2"-20	---	2920608CBC ²	---
	3/8"	5/8"-18	292-0610	2920610C	50
	3/8"	5/8"-18	---	2920610CBC ²	---
	3/8"	5/8"-18	---	2920610CBC ²	---
1/2"	1/2"	3/4"-18 ¹	292-0812	2920812C	25
	1/2"	3/4"-18 ¹	---	2920812CBC ²	---

¹ UNS Thread² brass cap on CBC parts

Rigid Tube x Hose Barb

Hose ID	Tube OD	Brass		303 Stainless Steel		Pkg Qty
		Previous Part #	Part #	Previous Part #	Part #	
1/4"	3/16"	294-0403	2940403C	---	---	100
	3/16"	---	2940403CBC ¹	---	---	---
	1/4"	294-0404	2940404C	294-0404SS	2940404SS	100
	1/4"	---	2940404CBC ¹	---	---	---
	5/16"	294-0405	2940405C	---	---	100
	5/16"	---	2940405CBC ¹	---	---	---
3/8"	3/8"	294-0606	2940606C	294-0606SS	2940606SS	50
	3/8"	---	2940606CBC ¹	---	---	---
1/2"	1/2"	294-0808	2940808C	294-0808SS	2940808SS	50
	1/2"	---	2940808CBC ¹	---	---	---
5/8"	5/8"	294-1010	2941010C	---	---	25
	5/8"	---	2941010CBC ¹	---	---	---
3/4"	3/4"	294-1212	2941212C	294-1212SS	2941212SS	25

¹ brass cap on CBC parts

Push-On Fittings Tool

Features:

- cuts push-on style hose and inserts the fitting
- Built-in cutter slices through 1/4" - 3/4" ID reinforced push-on hose without fraying.
- Clamp hose into tools vice and apply light pressure on handle to drive in the fitting.
- tool has four 7/16" diameter mounting holes for bench mounting
- overall size is 13 1/2" long x 2 3/8" wide x 7" height

Installation Instructions:

1. To cut your hose, retract the handle, place the hose in the cutter area and pull the handle.
2. After cutting the hose to the desired length, place the hose under the cam handle locking it in place with the hose end aligned with the appropriate mark on the label.
3. Place the barbed end of the fitting against the end of the hose and then pull the handle forward to complete the installation.



Size	Part #
1/4" - 3/4"	270AT



Caution: Push-on fittings will properly grip push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.

Hose Assembly Tool

- installs 1/4", 5/16" and 3/8" hose fittings
- lightweight, portable, comfortable cushioned grip
- economical



Part #
HHCI

Yellow Lok-on Caps

- **intended for use with Lok-On (push-on style) hose only**
- No hose clamps or ferrules are needed for installation
- Properly grips push-on hose only when pushed all the way in, with the cut end of the hose completely concealed by the plastic cap.



Hose ID	Plastic Part #	Pkg Qty
1/4"	2720400W	100
5/16"	2720500W	100
3/8"	2720600W	100
1/2"	2720800W	100
5/8"	2721000W	50
3/4"	2721200W	50
1"	2721600W	25

- Sold in package quantities only.

Reusable Fittings

Application:

- recommended for low pressure air hose applications

Features:

- maximum working pressure: **250 PSI** at ambient temperature **70°F (21°C)**
- durable, easily repaired hose connection
- caution: check hose OD and ID accurately before ordering



Male Thread

Hose ID	Hose OD	Male NPTF	Brass		Pkg Qty
			Previous Part #	Part #	
1/4"	1/2"	1/8"	BN21RU50	1834082K	100
	9/16"	1/8"	BN21RU56	1834092K	100
	5/8"	1/8"	BN21RU62	1834102K	100
	1/2"	1/4"	BN22RU50	1834084K	50
	9/16"	1/4"	BN22RU56	1834094K	50
	5/8"	1/4"	BN22RU62	1834104K	50
	1/2"	3/8"	BN23RU50	1834086K	50
	9/16"	3/8"	BN23RU56	1834096K	50
	5/8"	3/8"	BN23RU62	1834106K	50
5/16"	9/16"	1/4"	BN252RU56	1835094K	50
	5/8"	1/4"	BN252RU62	1835104K	50
	11/16"	1/4"	BN252RU68	1835114K	50
	9/16"	3/8"	BN253RU56	1835096K	50
	5/8"	3/8"	BN253RU62	1835106K	50
	11/16"	3/8"	BN253RU68	1835116K	50
3/8"	5/8"	1/4"	BN32RU62	1836104K	50
	11/16"	1/4"	BN32RU68	1836114K	50
	3/4"	1/4"	BN32RU75	1836124K	50
	5/8"	3/8"	BN33RU62	1836106K	50
	11/16"	3/8"	BN33RU68	1836116K	50
	3/4"	3/8"	BN33RU75	1836126K	50
	5/8"	1/2"	BN34RU62	1836108K	50
	11/16"	1/2"	BN34RU68	1836118K	50
	3/4"	1/2"	BN34RU75	1836128K	50
1/2"	7/8"	1/4"	BN42RU87	1838144K	25
	15/16"	1/4"	BN42RU93	1838154K	25
	1"	1/4"	BN42RU99	1838164K	25
	7/8"	3/8"	BN43RU87	1838146K	25
	15/16"	3/8"	BN43RU93	1838156K	25
	1"	3/8"	BN43RU99	1838166K	25
	7/8"	1/2"	BN44RU87	1838148K	20
	15/16"	1/2"	BN44RU93	1838158K	20
	1"	1/2"	BN44RU99	1838168K	20



Hose ID	Hose OD	Male NPT	303 Stainless Steel		Pkg Qty
			Previous Part #	Part #	
1/4"	1/2"	1/8"	BN21RU50SS	1834082KSS	100
	9/16"	1/8"	BN21RU56SS	1834092KSS	100
	5/8"	1/8"	BN21RU62SS	1834102KSS	100
	1/2"	1/4"	BN22RU50SS	1834084KSS	50
	9/16"	1/4"	BN22RU56SS	1834094KSS	50
	5/8"	1/4"	BN22RU62SS	1834104KSS	50
5/16"	9/16"	1/4"	BN252RU56SS	1835094KSS	50
	5/8"	1/4"	BN252RU62SS	1835104KSS	50
3/8"	5/8"	1/4"	BN32RU62SS	1836104KSS	50
	11/16"	1/4"	BN32RU68SS	1836114KSS	50
	3/4"	1/4"	BN32RU75SS	1836124KSS	50
	5/8"	3/8"	BN33RU62SS	1836106KSS	50
	11/16"	3/8"	BN33RU68SS	1836116KSS	50
	3/4"	3/8"	BN33RU75SS	1836126KSS	50
	7/8"	3/8"	BN43RU87SS	1838146KSS	25
	15/16"	3/8"	BN43RU93SS	1838156KSS	25
	7/8"	1/2"	BN44RU87SS	1838148KSS	20
	15/16"	1/2"	BN44RU93SS	1838158KSS	20



Reusable Fittings

Swivel Stems

Industrial Hose
Fittings

Hose ID	Female NPSM	Brass Part #	Optional Qty
1/4"	1/4"-18	1840404A	50
	3/8"-18	1840406A	50
5/16"	1/4"-18	1840504A	50
3/8"	1/4"-18	1840604A	50
	3/8"-18	1840606A	50
1/2"	1/2"-14	1840808A	25

Female Swivels



Hose ID	Hose OD	Female NPSM	Brass		Optional Qty
			Previous Part #	Part #	
1/4"	1/2"	1/4"	185-4084	1854084K	50
	9/16"	1/4"	185-4094	1854094K	50
	5/8"	1/4"	185-4104	1854104K	50
	1/2"	3/8"	185-4086	1854086K	50
	9/16"	3/8"	185-4096	1854096K	50
	5/8"	3/8"	185-4106	1854106K	50
5/16"	9/16"	1/4"	185-5094	1855094K	50
	5/8"	1/4"	185-5104	1855104K	50
	11/16"	1/4"	185-5114	1855114K	50
3/8"	5/8"	1/4"	185-6104	1856104K	50
	11/16"	1/4"	185-6114	1856114K	50
	3/4"	1/4"	185-6124	1856124K	50
	5/8"	3/8"	185-6106	1856106K	50
	11/16"	3/8"	185-6116	1856116K	50
	3/4"	3/8"	185-6126	1856126K	50
1/2"	7/8"	1/2"	185-8148	1858148K	20
	15/16"	1/2"	185-8158	1858158K	20
	1"	1/2"	185-8168	1858168K	20

Splicer Stems



Hose ID	Brass Part #	Optional Qty
1/4"	1860404S	100
3/8"	1860606S	50

Hose Splicers



Hose ID	Hose OD	Brass		Optional Qty
		Previous Part #	Part #	
1/4"	1/2"	187-0408	1870408K	50
	9/16"	187-0409	1870409K	50
	5/8"	187-0410	1870410K	50
3/8"	5/8"	187-0610	1870610K	25
	11/16"	187-0611	1870611K	25
	3/4"	187-0612	1870612K	25



Reusable Fittings

Ferrules

Hose ID	Hose OD	Brass Part #	303 Stainless Steel Part #	Opt Qty
1/4"	1/2"	1800408F	1800408FSS	100
	9/16"	1800409F	1800409FSS	50
	5/8"	1800410F	1800410FSS	50
5/16"	9/16"	1800509F	1800509FSS	100
	5/8"	1800510F	1800510FSS	50
	11/16"	1800511F	---	50
3/8"	5/8"	1800610F	1800610FSS	50
	11/16"	1800611F	1800611FSS	50
	3/4"	1800612F	1800612FSS	50
1/2"	7/8"	1800814F	1800814FSS	25
	15/16"	1800815F	1800815FSS	25
	1"	1800816F	---	20



Industrial Hose Fittings

Male Stems

Hose ID	Male NPTF Thread ¹	Brass Part #	303 Stainless Steel ¹ Part #	Opt Qty
1/4"	1/8"	1820402S	1820402SS	100
	1/4"	1820404S	1820404SS	100
	3/8"	1820406S	---	50
5/16"	1/4"	1820504S	1820504SS	50
	3/8"	1820506S	---	50
3/8"	1/4"	1820604S	1820604SS	100
	3/8"	1820606S	1820606SS	50
	1/2"	1820608S	---	25
1/2"	1/4"	1820804S	---	50
	3/8"	1820806S	1820806SS	50
	1/2"	1820808S	1820808SS	25

¹ stainless steel parts have NPT threads

Standard Shank Fittings

Industrial Hose
Fittings

GHT Complete Couplings with Hex Nut

Feature:

- extended male GHT - deeper thread

Hose Size	Brass		Lead Free Brass ² Part #	303 Stainless	
	Previous Part #	Part #		Previous Part #	Part #
3/8"	BC73	5920606K	---	---	---
1/2"	BC74	5920808K	5920808KLF	SSC74	5920808KSS
5/8"	BC75	5921010K	5921010KLF	SSC75	5921010KSS
3/4"	BC76	5921212K	5921212KLF	SSC76	5921212KSS
1"	BC78	5921612K	---	---	---
1"	BS808	5921616K ¹	---	---	---

¹ 1" NPSH thread² Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Note: complete coupling set is not shipped assembled

GHT Female Fittings with Swivel Nut



Hose Size	Brass		Lead Free Brass ² Part #	303 Stainless		Pkg Qty
	Previous Part #	Part #		Previous Part #	Part #	
3/8"	BCF73	5910612C	---	---	---	25
1/2"	BCF74	5910812C	---	SSCF74	5910812SS	25
	---	---	5910812CLF	---	---	25
5/8"	BCF75	5911012C	---	SSCF75	5911012SS	25
	---	---	5911012CLF	---	---	25
3/4"	BCF76	5911212C	---	SSCF76	5911212SS	25
	---	---	5911212CLF	---	---	25
1"	BCF78	5911612C	---	---	---	10
	BS848	5911616C ^{1,3}	---	---	---	10

¹ 1" NPSH thread² Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400³ washer included, part # **5911616W** on page 242

- SBR black rubber washer part # **5911212W** included found on page 242

GHT Male Fittings

Feature:

- extended male GHT - deeper thread



Hose Size	Brass		Lead Free Brass ² Part #	303 Stainless		Pkg Qty
	Previous Part #	Part #		Previous Part #	Part #	
3/8"	BCM73	5900612C	---	---	---	25
1/2"	BCM74	5900812C	---	SSCM74	5900812SS	25
	---	---	5900812CLF	---	---	25
5/8"	BCM75	5901012C	---	SSCM75	5901012SS	25
	---	---	5901012CLF	---	---	25
3/4"	BCM76	5901212C	---	SSCM76	5901212SS	25
	---	---	5901212CLF	---	---	25
1"	BCM78	5901612C	---	---	---	10
	BS818	5901616C ¹	---	---	---	10

¹ 1" NPSH thread² Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Short Shank Fittings

- use with washers on page 242

GHT Complete Couplings with Hex Nut

Feature:

- extended male GHT - deeper thread
- complete coupling set is not shipped assembled

Hose Size	Brass	
	Previous Part #	Part #
1/2"	HNBGH74	5890808K
5/8"	HNBGH75	5891010K
3/4"	HNBGH76	5891212K



Industrial Hose Fittings

GHT Complete Couplings with Round Nut

Hose Size	Brass	
	Previous Part #	Part #
1/2"	BGH74	5870808K
5/8"	BGH75	5871010K
3/4"	BGH76	5871212K



D

GHT Female Couplings with Round Nut

Hose Size	Shank Length	Brass	
		Previous Part #	Part #
1/2"	1"	BGHF74	5860812C
5/8"	1"	BGHF75	5861012C
3/4"	1"	BGHF76	5861212C



GHT Female Swivels with Hex Nut

Hose Size	Shank Length	Brass	
		Previous Part #	Part #
1/2"	1"	HNBGHF74	5880812C
5/8"	1"	HNBGHF75	5881012C
3/4"	1"	HNBGHF76	5881212C



GHT Male Couplings with Hex

Feature:

- extended male GHT - deeper thread

Hose Size	Shank Length	Brass	
		Previous Part #	Part #
1/2"	1"	BGHM74	5850812C
5/8"	1"	BGHM75	5851012C
3/4"	1"	BGHM76	5851212C



Short Shank Couplings with Octagon Nut

- sold in complete sets only



Hose Size	Shank Length	Aluminum Part #
3/8"	13/16"	ABC73
3/4"	1-1/8"	ABC76

Standard Shank Cast Coupling with Hex Nut

- use with washers on page 205
- sold in complete sets only



Hose Size	Brass Part #
1/2"	CBC74
5/8"	CBC75
3/4"	CBC76
1"	CBC88 ¹

¹ NPSM thread

Garden Hose Menders



Hose ID	Brass	
	Previous Part #	Part #
1/2"	5780808C	1780808C
5/8"	5781010C	1781010C
3/4"	5781212C	1781212C
1"	5781616C	1781616C



Long Shank Fittings

Complete Couplings - GHT

Feature:

- extended male GHT, deeper thread

Hose ID	GHT Thread	Plated Steel Part #	Brass	
			Previous Part #	Part #
3/8"	3/4"	SLS307	---	---
1/2"	3/4"	SLS407	BLS407	5950808K
5/8"	3/4"	SLS507	BLS507	5951010K
3/4"	3/4"	SLS607	BLS607	5951212K



Industrial Hose Fittings

Female Couplings - GHT

Hose ID	GHT Thread	Plated Steel Part #	Brass		Pkg Qty	Lead Free Brass Part #
			Previous Part #	Part #		
3/8"	3/4"	SLS347	---	---	---	---
1/2"	3/4"	SLS447	BLS447	5940812C	25	---
5/8"	3/4"	SLS547	BLS547	5941012C	25	---
3/4"	3/4"	SLS647	BLS647	5941212C	25	5941212CLF ¹



D

Male Couplings - GHT

Feature:

- extended male GHT, deeper thread

Hose ID	GHT Thread	Plated Steel Part #	Brass		Pkg Qty	Lead Free Brass Part #
			Previous Part #	Part #		
3/8"	3/4"	SLS317	---	---	50	---
1/2"	3/4"	SLS417	BLS417	5930812C	25	---
5/8"	3/4"	SLS517	BLS517	5931012C	25	---
3/4"	3/4"	SLS617	BLS617	5931212C	10	5931212CLF ¹



¹ Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Spray Hose Fittings

Complete Couplings - GHT

Hose ID	GHT Thread	Plated Steel Part #
3/8"	3/4"	SS307
1/2"	3/4"	SS407
5/8"	3/4"	SS507
3/4"	3/4"	SS607

Industrial Hose Fittings



Female Couplings - GHT

Hose ID	GHT Thread	Plated Steel Part #
3/8"	3/4"	SS347
1/2"	3/4"	SS447
5/8"	3/4"	SS547
3/4"	3/4"	SS647



Male Couplings - GHT

Hose ID	GHT Thread	Plated Steel Part #
3/8"	3/4"	SS317
1/2"	3/4"	SS417
5/8"	3/4"	SS517
3/4"	3/4"	SS617



GHT Zinc Fittings

Features:

- premium brass and zinc construction for maximum strength and durability
- patented impact resistant clamp design
- non-corroding high grade 410 stainless steel screws will not strip when tightened
- leakproof, reusable
- for use with rubber or plastic hose
- fits all $\frac{3}{8}$ " and $\frac{1}{2}$ " hose

Female Hose Fittings

Part #	Optional Qty
M5834F	48



Male Hose Fittings

Part #	Optional Qty
M5834M	48



Menders

Part #	Optional Qty
M5834HM	48



Male GHT Adapters

Male Hose x Male Hose x Female Pipe

Male GH x Male GH x Female NPT	Lead Free Brass Part #
$\frac{3}{4}$ " x $\frac{3}{4}$ " x $\frac{1}{2}$ "	5091212CLF



Male GHT x Male NPTF



brass



lead free brass



303 stainless

Male GHT	Male NPTF	Brass		Lead Free Brass ³ Part #	Male Thread	303 Stainless		Pkg Qty
		Previous Part #	Part #			Previous Part #	Part #	
$\frac{3}{4}$ "	$\frac{3}{8}$ "	BA73	5081206C ¹	---	---	---	---	25
$\frac{3}{4}$ "	$\frac{1}{2}$ "	BA74	5081208C ¹	5081208CLF	NPT	RA74	5081208SS	25
$\frac{3}{4}$ "	$\frac{3}{4}$ "	---	5081212C ¹	---	NPT	RA776	5081212SS	25
$\frac{3}{4}$ "	$\frac{3}{4}$ " x $\frac{1}{2}$ "	BA776	5141212C ^{1,2}	5141212CLF ²	NPT	---	5141212SS ²	25
$\frac{3}{4}$ "	1"	BA78	5081216C ¹	---	---	---	---	10

¹ extended male GHT, deeper thread² has $\frac{1}{2}$ " female NPT on ID of $\frac{3}{4}$ " male NPT side³ Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Male GHT Adapters

Male GHT



brass



303 stainless

Male GHT	Male GHT	Brass		Male GHT	303 Stainless		Pkg Qty
		Previous Part #	Part #		Previous Part #	Part #	
3/4"	3/4"	BA777	5091212C ¹	NPT	RA777	5091212SS ¹	25
3/4"	1" ²	509-1612	5091612C ¹	---	---	---	20

¹ extended male GHT, deeper thread² NPSH thread

Female NPTF



brass



303 stainless

Male GHT	Female NPTF	Brass		Lead Free Brass Part #	Pkg Qty
		Previous Part #	Part #		
3/4"	1/4"	507-1204 ¹	5071204C	---	25
3/4"	3/8"	507-1206 ¹	5071206C	---	25
3/4"	1/2"	BA794 ¹	5071208C	---	25
3/4"	3/4"	BA796 ¹	5071212C	5071212CLF ^{2, 3}	25

Male GHT	Female NPT	303 Stainless		Pkg Qty
		Previous Part #	Part #	
3/4"	1/2"	RA794	5071208SS	25
3/4"	3/4"	RA796	5071212SS	25

¹ extended male GHT, deeper thread² NPT threads³ Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

Female GHT Adapters

Swivel

Female x Female	Brass		Optional Qty
	Previous Part #	Part #	
3/4" x 3/4"	BA977	5061212C	25
3/4" x 3/4"	---	5061212CLF ¹	25

¹ Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400



brass



lead free brass

Industrial Hose Fittings

Female GHT Swivel x Female NPTF

Female GHT x Female NPTF	Brass		Lead Free Brass Part #	303 Stainless		Pkg Qty
	Previous Part #	Part #		Previous Part #	Part #	
3/4" x 1/2"	BAS974	5021208C	5021208CLF ^{1,2}	RAS974	5021208SS ²	25
3/4" x 3/4"	BAS976	5021212C	5021212CLF ^{1,2}	RAS976	5021212SS ²	10

¹ Lead free brass <=0.25% lead; Alloy CA2745; Alloy C46400

² NPT threads



Female GHT Swivel x Male NPTF

Female GHT	Male NPTF	Brass		Male NPT	303 Stainless		Pkg Qty
		Previous Part #	Part #		Previous Part #	Part #	
3/4"	1/4"	504-1204	5041204C	---	---	---	25
3/4"	3/8"	504-1206	5041206C	---	---	---	25
3/4"	1/2"	504-1208	5041208C	1/2"	R504-1208	5041208SS	25
3/4"	3/4"	504-1212	5041212C	3/4"	R504-1212	5041212SS	20



Rigid Female GHT x Male NPTF

Female GHT	Male Thread NPTF	Brass		Male Thread NPT	303 Stainless		Pkg Qty
		Previous Part #	Part #		Previous Part #	Part #	
3/4"	3/8"	BMA973	5031206C	---	---	---	25
3/4"	1/2"	BMA974	5031208C	1/2"	RMA974	5031208SS	25
3/4"	3/4"	BMA976	5031212C ¹	3/4"	RMA976	5031212SS ¹	25



Rigid Female GHT x Female NPTF

Female GHT	Female Thread NPTF	Brass		Female Thread NPT	303 Stainless		Pkg Qty
		Previous Part #	Part #		Previous Part #	Part #	
3/4"	1/8"	BA971	5011202C	---	---	---	50
3/4"	1/4"	BA972	5011204C	---	---	---	25
3/4"	3/8"	BA973	5011206C	---	---	---	25
3/4"	1/2"	BA974	5011208C	1/2"	RA974	5011208SS	25
3/4"	3/4"	BA976	5011212C	3/4"	RA976	5011212SS	25



¹ has 1/2" female NPTF on ID of 3/4" male NPTF side



Black SBR Washers



ID	OD	duro	Part #	Optional Qty
0.63"	1.00"	80	5911212W	100
0.86"	1.27"	60	5911616W	100

Garden Hose Filter Washer



Description	FDA black 70a duro PVC		Optional Qty
	Previous Part #	Part #	
304 stainless steel mesh, FDA black 70a duro PVC	TVS7-30	5911212F	100

Red Vinyl GHT Washer



red vinyl Part #	Optional Qty
TVW7	100

White Rubber GHT Washer



white rubber (Styrene Butadiene) Part #	Optional Qty
TRW7	100

Garden Hose Cap



Size	Brass		Optional Qty
	Previous Part #	Part #	
3/4"	GHC7	5131212C	25

Garden Hose Round Nut with Knurl



Size	Brass Part #
3/4"	5861012N

Garden Hose Hex Nut with Knurl



Size	Brass Part #
3/4" GHT	5911212N
1" NPSH	5911616N

Compression Bibb Faucets

Features:

- rough brass finish
- nozzle end is GHT
- for water use only

Male NPT Inlet Size	Brass Part #
1/2"	35-201-10
3/4"	35-202-10



Industrial Hose Fittings

Garden Hose Quick Connect

Features:

- easy push-pull ring for long lasting and quick hose attachments
- maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- maximum temperature **140°F (60°C)**

Complete Assembly

Description	Brass		303 Stainless Steel	
	Previous Part #	Part #	Previous Part #	Part #
complete assembly	DGH7	500QCK	DGH7SS	500QCKSS
complete valved assembly	DGH7V	500QCKV	---	---



D

Female Couplers

Description	Brass		303 Stainless Steel	
	Previous Part #	Part #	Previous Part #	Part #
coupler	DGH7C	500QCF	DGH7CSS	500QCFSS
valved coupler-water shutoff	DGH7CV	500QCFV	---	---



Replacement Parts

Description	Part #
replacement rubber seal gasket for 500QCFV (DGH7CV)	500QCFVSG
replacement NBR O-ring for 500QCFV (DGH7CV)	500QCFVOR

Replacement Seal for 500QCF

Nitrile Butadiene Rubber	
Previous Part #	Part #
DGHW7	500QCSG



Male Plugs

Description	Brass		303 Stainless Steel	
	Previous Part #	Part #	Previous Part #	Part #
male plug	DGH7P	500QCM	DGH7PSS	500QCMSS



Straight GHT Valve



Features:

- powder-coated zinc shut-off valve
- maximum temperature: **160°F (71°C)** (hot water)
- recommended usage: **100°F (38°C)**
- working pressure: **60 PSI**

Part #

GHV

GHT Ball Valve



Features:

- forged brass
- maximum temperature: **140°F (60°C)** (hot water)
- working pressure: **100 PSI**

Part #

500GHV

GHT Twin Valve



Features:

- powder-coated zinc with twin shut-off valves
- maximum temperature: **160°F (71°C)** (hot water)
- recommended usage: **100°F (38°C)**
- working pressure: **60 PSI**

Part #

GHYV

Garden Hose Y Valve



Features:

- forged brass
- double Y valve, swivel inlet - with Higbie cut threads (capped) to prevent cross threading
- maximum temperature: **140°F (60°C)** (hot water)
- working pressure: **100 PSI**

Part #

500GHY

Garden Hose Y Coupler



Features:

- nickel plated brass
- maximum working pressure: **150 PSI**
- maximum temperature: **195°F (90.5°C)**

Part #

500YC

GHT Y



Features:

- powder-coated zinc with twin outlet
- includes one end cap
- maximum temperature: **160°F (71°C)** (hot water)
- recommended usage: **100°F (38°C)**
- working pressure: **60 PSI**

Part #

GHY

GHT 4-Valve Manifold

Features:

- forged brass body, stainless steel balls, PTFE seals
- swivel inlet
- maximum temperature: **120°F (49°C)**
- maximum operating pressure: **100 PSI**

Part #

500GH4VBKIndustrial Hose
Fittings

GHT Back Flow Preventer

Features:

- brass extruded stock
- maximum operating pressure: **125 PSI**
- temperature range: **33°F to 180°F (.5°C to 82°C)**

Materials:

- gasket: Buna-N
- components: stainless steel

Part #

500BFP

D

Radiator Bibb

Feature:

- 1/4" female pipe thread connection

Material:

- vinyl spout

Part #

8013

Garden Hose Gooseneck

Features:

- angles hose away from hose bibb
- recommended usage: **100°F (38°C)**
- working pressure: **60 PSI**

Powder Coated Zinc

Part #

GHGN



Hose Shank x Male NPT Inserts

Size	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1¼"	THN15	25	---	---
1½"	THN20	25	HB150	25
2"	THN25	20	HB200	24
3"	THN35	10	HB300	10
4"	---	---	HB400	12

Tuff-Lite™

Hose Shank x Male NPT Insert

Nylon Features:

- Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid or xylene.
- nylon should not be used with compressed gas
- fittings are white



Polypropylene Features:

- Polypropylene fittings should not be used with aromatic hydrocarbons, carbon tetra-chloride, gasoline, hexane, kerosene, nitric acid, sodium hydrochlorite, toluene, trichloroethylene or xylene.
- polypropylene should not be used with compressed gas
- fittings are black



Hose Size	Male NPT	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
¼"	⅛"	TN21	50	PPN21	50
	¼"	TN22	50	PPN22	50
	⅜"	TN23	50	PPN23	50
	½"	TN24	50	PPN24	50
	¾"	TN26	50	---	---
	1"	TN28	50	---	---
5/16"	¼"	TN252	50	---	---
⅜"	⅛"	TN31	50	PPN31	50
	¼"	TN32	50	PPN32	50
	⅜"	TN33	50	PPN33	50
	½"	TN34	50	PPN34	50
	¾"	TN36	50	PPN36	50
½"	⅛"	TN41	50	---	---
	¼"	TN42	50	PPN42	50
	⅜"	TN43	50	PPN43	50
	½"	TN44	50	PPN44	50
	¾"	TN46	50	PPN46	50
⅝"	⅜"	TN53	50	---	---
	½"	TN54	50	PPN54	50
	¾"	TN56	50	PPN56	50
¾"	⅜"	TN63	50	---	---
	½"	TN64	50	PPN64	50
	¾"	TN66	50	PPN66	50
	1"	TN68	25	PPN68	25
1"	¾"	TN86	25	PPN86	25
	1"	TN88	25	PPN88	25
1¼"	1"	TN158	15	---	---
	1¼"	TN150	10	PPN150	10
	1½"	TN1520	10	---	---
1½"	1¼"	TN2015	10	---	---
	1½"	TN200	10	PPN200	10
2"	2"	TN250	5	PPN250	5

• sold in package quantities only

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Tuff-Lite™

Hose Shank x Female NPT Insert

Features:

- Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid or xylene.
- nylon should not be used with compressed gas



Hose Size	Female NPT	Nylon Part #
1/4"	1/4"	TFS22
1/4"	1/2"	TFS42
1/2"	1/2"	TFS44
3/4"	3/4"	TFS66



Industrial Hose Fittings

Female 45°SAE/37°JIC Swivel x Hose Barb

Feature:

- ball seat type

Hose Size	Female NPSM	Nylon Part #
1/4"	1/4"	TF22
3/8"	3/8"	TF33



Short Shank x Female NPSM Coupling

- sold in package quantities only
- shipped with a red vinyl washer (**TVW7**), replacement washers on page 242

Hose Shank	Female NPSM	Nylon Part #	Pkg Qty
1/4"	3/4"	TCF62	50
3/8"	3/4"	TCF63	50
1/2"	3/4"	TCF64	50
5/8"	3/4"	TCF65	50
3/4"	3/4"	TCF66	50



Tuff-Lite™

90° Hose Barb Elbow x Male NPT



Hose Size	Male NPT	Nylon Part #	Pkg Qty
1/4"	1/8"	TLS21	50
	1/4"	TLS22	50
	3/8"	TLS23	50
3/8"	1/8"	TLS31	50
	1/4"	TLS32	50
	3/8"	TLS33	50
	1/2"	TLS34	50
	3/4"	TLS36	50
1/2"	1/4"	TLS42	50
	3/8"	TLS43	50
	1/2"	TLS44	50
	3/4"	TLS46	25
	1"	TLS48	25
5/8"	3/8"	TLS53	25
	1/2"	TLS54	25
	3/4"	TLS56	25
	1"	TLS58	25
3/4"	3/8"	TLS63	25
	1/2"	TLS64	25
	3/4"	TLS66	25
	1"	TLS68	15
1"	3/4"	TLS86	15
	1"	TLS88	15

- sold in package quantities only.

90° Hose Barb Elbow x Female NPT



Hose Size	Female NPT	Nylon Part #
1/2"	1/2"	TLFS44
1/2"	3/4"	TLFS64
3/4"	3/4"	TLFS66

Hose Barb x 90° Hose Barb Elbow



Hose Size	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	TLSS22	50	PPLSS22	50
3/8"	TLSS33	50	PPLSS33	50
1/2"	TLSS44	50	PPLSS44	50
3/4"	TLSS66	50	PPLSS66	50

- sold in package quantities only

Tuff-Lite™

Hose Run x Male NPT Branch Tee

Hose Size	Male NPT	Nylon Part #	Pkg Qty
1/4"	1/4"	TSST222	50
3/8"	3/8"	TSST333	50
1/2"	1/2"	TSST444	25
3/4"	3/4"	TSST666	25

- sold in package quantities only



Industrial Hose Fittings

Hose Run x Hose Branch Tee

Hose Size	Nylon Part #	Pkg Qty
1/4"	TSSS222	50
3/8"	TSSS333	50
1/2"	TSSS444	50
3/4"	TSSS666	25

- sold in package quantities only



Menders

Feature:

- maximum working temperature: 150°F (66°C)

Size	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	TM2 ¹	50	PPM2	50
5/16"	TM25 ¹	50	---	---
3/8"	TM3 ¹	50	PPM3	50
1/2"	TM4 ¹	50	PPM4	50
5/8"	TM5 ¹	50	PPM5	50
3/4"	TM6 ¹	50	PPM6	50
1"	TM8 ¹	25	PPM8	50
1 1/4"	TM16	50	---	---
1 1/2"	TM21	10	---	---
2"	TM26	20	---	---
4"	TM46	25	---	---
6"	TM66	12	---	---

- sold in package quantities only



nylon



polypropylene

Tuff-Lite™

Short Shank Female GHT Couplings



polypropylene



nylon

- shipped with a red vinyl washer (**TVW7**), replacement washers on page 242

Hose Shank	Thread Size	Nylon Part #	Polypropylene Part #
1/4"	3/4" GHT	TCF72	PPCF72
3/8"	3/4" GHT	TCF73	PPCF73
1/2"	3/4" GHT	TCF74	PPCF74
5/8"	3/4" GHT	TCF75	PPCF75
3/4"	3/4" GHT	TCF76	PPCF76

Short Shank Male GHT Couplings



polypropylene



nylon

Hose Shank	Thread Size	Nylon Part #	Polypropylene Part #
1/4"	3/4" GHT	TCM72	---
3/8"	3/4" GHT	TCM73	PPCM73
1/2"	3/4" GHT	TCM74	PPCM74
5/8"	3/4" GHT	TCM75	PPCM75
3/4"	3/4" GHT	TCM76	PPCM76

Male GHT x Female NPT Adapter



polypropylene



nylon

Female NPT	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	TA792	50	PPA792	50
3/8"	TA793	50	---	--
1/2"	TA794	50	PPA794	50
3/4"	TA796	50	PPA796	25

- sold in package quantities only

Female GHT x Male NPT Adapter



Male NPT	Nylon Part #	Pkg Qty
1/4"	TA972	50
3/8"	TA973	50
1/2"	TA974	50
3/4"	TA976	50

- sold in package quantities only

Tuff-Lite™

Female GHT x Female NPT Adapter

Female NPT	Nylon Part #	Pkg Qty
1/2"	TA974F	50
3/4"	TA976F	50



- sold in package quantities only

Male GHT x Male NPT Adapter

Male NPT	Nylon Part #	Pkg Qty	Polypropylene Part #	Pkg Qty
1/4"	TA772	50	---	---
3/8"	TA773	50	PPA773	50
1/2"	TA774	50	PPA774	50
3/4"	TA776	50	PPA776	50
1"	TA778	25	---	---



polypropylene



nylon

- sold in package quantities only

Male GHT x 90° Hose Barb Elbow

Hose Size	Nylon Part #	Pkg Qty
3/8"	TLS37	50
1/2"	TLS47	25
5/8"	TLS57	25
3/4"	TLS67	50



- sold in package quantities only

GHT x Male NPT Elbow

Male NPT	Nylon Part #	Pkg Qty
3/8"	TLT73	25
1/2"	TLT74	25
3/4"	TLT76	25



- sold in package quantities only

Tuff-Lite™

Industrial Hose
Fittings

Push-On Hose Shank x Male NPT Insert

Feature:

- No clamps are needed when these fittings are used with push-on hose.

Hose Size	Male NPT	Nylon Part #	Pkg Qty
1/4"	1/8"	TPN21	50
	1/4"	TPN22	50
	3/8"	TPN23	50
3/8"	1/4"	TPN32	50
	3/8"	TPN33	50
	1/2"	TPN34	50
1/2"	3/8"	TPN43	50
	1/2"	TPN44	50
	3/4"	TPN46	50

- sold in package quantities only

Push-On Hose Shank x Female NPT Insert

Feature:

- No clamps are needed when these fittings are used with push-on hose.



Hose Size	Female NPT	Nylon Part #	Pkg Qty
1/4"	1/4"	TPF22	50
3/8"	1/4"	TPF32	50
	3/8"	TPF33	50
1/2"	3/8"	TPF43	50
	1/2"	TPF44	50

- sold in package quantities only

Push-On Hose Menders

Feature:

- no clamps needed when used with push-on hose



Size	Nylon Part #	Pkg Qty
1/4"	TPM2	50
3/8"	TPM3	50
1/2"	TPM4	50

- sold in package quantities only



Type A

Application:

- used primarily on irrigation and suction lines

Features:

- hot dipped, galvanized
- has a double pin locking lever for smooth closing action
- Type A Agri-Lock style locks on female style
- Each coupler is equipped with a safety pin to prevent accidental openings.
- *These fittings are not recommended for chemicals or any hazardous type materials where the possibility of leakage would result in health or environmental concerns. Consult Dixon® for recommendations.*

**Female with Hose Shank****Feature:**

- supplied with gasket

Size	Galvanized Steel Part #
10"	FC21210
12"	FC21212 ¹

¹ 12" supplied with M20412 lever assist bar found on page 256



10"

Female with Machined Hose Shank**Features:**

- Dixon® combination nipple style hose shank machined from Schedule 40 pipe
- recommended for use with steel King Crimp™ sleeves
- supplied with gasket

Size	Galvanized Steel Part #
10"	FC21210ST100
12"	FC21212ST120 ¹

¹ 12" supplied with M20412 lever assist bar found on page 256



12"

Female with 150# ASA Flange**Feature:**

- supplied with gasket

Size	Galvanized Steel Part #
10"	FC22310
12"	FC22312 ¹

¹ 12" supplied with M20412 lever assist bar found on page 256

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.



12"

Type A

Male with Hose Shank



Size	Galvanized Steel Part #
10"	MC21110
12"	MC21112

Male with Machined Hose Shank

Features:

- Dixon® combination nipple style hose shank machined from Schedule 40 pipe
- recommended for use with steel King Crimp™ sleeves



Size	Galvanized Steel Part #
10"	MC21110ST100
12"	MC21112ST120

Male with 150# ASA Flange



Size	Galvanized Steel Part #
10"	MC22210
12"	MC22212

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Type A

Male x Female 90° Elbows

Feature:

- supplied with gasket

Size	Galvanized Steel Part #
10"	EL21510-90
12"	EL21512-90 ¹

¹ 12" supplied with M20412 lever assist bar on page 256



12"

Industrial Hose
Fittings

Female for Welding to Pipe

Size	Unplated Steel Part #
10"	20410
12"	20412



12"

Males with Ring for Welding

Size	Unplated Steel Part #
10"	21010
12"	21012



Female Plugs

Feature:

- supplied with gasket

Size	Galvanized Steel Part #
10"	FP20910
12"	FP20912 ¹



10"

¹ 12" supplied with M20412 lever assist bar on page 256



Type A

Male Plugs with Ring



Size	Galvanized Steel Part #
10"	MP21010
12"	MP21012

Gaskets



Size	Rubber Part #	EPDM Part #
10"	RG20510	RG20610
12"	RG20512	RG20612

Lever Assist Bar



Size	Galvanized Steel Part #
12"	M20412

Quick Connect Safety Pin



Size	Galvanized Steel Part #
12"	SP290

Type B

Application:

- used primarily on irrigation and suction lines

Features:

- hot dipped, galvanized
- has a double pin locking lever for smooth closing action
- Type B (*Bauer style*) locks on the male side
- Each coupler is equipped with a safety pin to prevent accidental openings.
- *These fittings are not recommended for chemicals or any hazardous type materials where the possibility of leakage would result in health or environmental concerns. Consult Dixon® for recommendations.*

**Male x Hose Shank**

Size	Galvanized Steel Part #
2"	MC3092
3"	MC3093
4"	MC3094
6"	MC3096
8"	MC3098
10"	MC30910 ¹
12"	MC30912 ¹

¹ 10" and 12" supplied with ACB304 lever assist bar on page 261



D

Male with Male NPT

Size	Galvanized Steel Part #
2"	MCM3112
3"	MCM3113
4"	MCM3114
6"	MCM3116
8"	MCM3118

**Female x Hose Shank****Feature:**

- supplied with gasket

Size	Galvanized Steel Part #
2"	FC3102
3"	FC3103
4"	FC3104
6"	FC3106
8"	FC3108
10"	FC31010
12"	FC31012

**Female with Male NPT****Feature:**

- supplied with gasket

Size	Galvanized Steel Part #
2"	FCM3122
3"	FCM3123
4"	FCM3124
6"	FCM3126
8"	FCM3128



Type B

Male with Machined Hose Shank

Features:

- Dixon® combination nipple style hose shank machined from Schedule 40 pipe
- recommended for use with steel King Crimp™ sleeves



Size	Galvanized Steel Part #
2"	MC3092ST25
3"	MC3093ST35
4"	MC3094ST40
6"	MC3096ST60
8"	MC3098ST80

Male x 150# ASA Flange



Size	Galvanized Steel Part #
4"	MC3134
6"	MC3136
8"	MC3138
10"	MC31310 ¹
12"	MC31312 ¹

¹ 10" and 12" supplied with ACB304 lever assist bar on page 261

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Male Weld-On



Size	Unplated Steel Part #
2"	3032
3"	3033
4"	3034
6"	3036
8"	3038
10"	30310
12"	30312

- female and male fittings are commonly used for butt-welding to pipe

Heavy Duty Female x Dixon® Combination Nipple Hose Shank



Size	Galvanized Steel Part #
2"	FC3102ST25
3"	FC3103ST35
4"	FC3104ST40
6"	FC3106ST60
8"	FC3108ST80

Type B

Female x 150# ASA Flange

Feature:

- supplied with gasket

Size	Galvanized Steel Part #
4"	FC3144
6"	FC3146
8"	FC3148
10"	FC31410
12"	FC31412

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.

Industrial Hose
Fittings

Female Weld-On with Gasket

Feature:

- supplied with gasket

Size	Unplated Steel Part #
2"	3022
3"	3023
4"	3024
6"	3026
8"	3028
10"	30210
12"	30212



D

Male x Female 90° Elbow

Feature:

- supplied with gasket

Size	Galvanized Steel Part #
4"	EL3154-90
6"	EL3156-90
8"	EL3158-90
10"	EL31510-90 ¹
12"	EL31512-90 ¹

¹ 10" and 12" supplied with ACB304 lever assist bar on page 261



Male x Female 45° Elbow

Feature:

- supplied with gasket

Size	Galvanized Steel Part #
4"	EL3154-45
6"	EL3156-45
8"	EL3158-45
10"	EL31510-45 ¹
12"	EL31512-45 ¹

¹ 10" and 12" supplied with ACB304 lever assist bar on page 262



Type B

Female x Male Reducer



Feature:

- supplied with gasket

Female Size	Male Size	Galvanized Steel Part #
6"	4"	FMR31864
8"	6"	FMR31886
10"	8"	FMR318108¹
12"	10"	FMR3181210¹

¹ 10" and 12" supplied with ACB304 lever assist bar on page 261

Female x Male Increaser



Feature:

- supplied with gasket

Female Size	Male Size	Galvanized Steel Part #
4"	6"	FMI31946
6"	8"	FMI31968
8"	10"	FMI319810
10"	12"	FMI3191012¹

¹ 10" and 12" supplied with ACB304 lever assist bar on page 261

Male with Male NPT- extra long



Size	Galvanized Steel Part #
2"	MCM3112XL
3"	MCM3113XL
4"	MCM3114XL
6"	MCM3116XL
8"	MCM3118XL

Male Plugs



Size	Galvanized Steel Part #
2"	MP3232
3"	MP3233
4"	MP3234
6"	MP3236
8"	MP3238
10"	MP32310¹
12"	MP32312¹

¹ 10" and 12" supplied with ACB304 lever assist bar on page 261

Type B Female Plugs

Feature:

- supplied with gasket

Size	Galvanized Steel Part #
2"	FP3082
3"	FP3083
4"	FP3084
6"	FP3086
8"	FP3088
10"	FP30810
12"	FP30812


 Industrial Hose
Fittings

Lever Rings

Size	Galvanized Steel Part #
2"	LR3042
3"	LR3043
4"	LR3044
6"	LR3046
8"	LR3048
10"	LR30410
12"	LR30412



D

Lever Assist Bar

Size	Description	Galvanized Steel Part #
10" & 12"	lever assist bar for 10" and 12" Type B fittings	ACB304



Gaskets

Size	Rubber Part #	EPDM Part #
2"	RG3052	RG3062
3"	RG3053	RG3063
4"	RG3054	RG3064
6"	RG3056	RG3066
8"	RG3058	RG3068
10"	RG30510	RG30610
12"	RG30512	RG30612



Quick Connect Safety Clips

Size	Galvanized Steel Part #
2"	SP59
3"	SP76
4"	SP89
6"	SP159
8"	SP159
10"	SP390
12"	SP390



2" - 8"



10" - 12"



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Dixon® Worm Gear Clamps

Features:

- clamp meets SAEJ1508 which supercedes Mil Spec WW-C-440B
- four-piece construction
- screw design: 5/16" slotted hex head
- maximum recommended torque 50 in. lbs.
- **all clamps sold 10 per box**

Style HS material:

- band and housing: SAE 300 series stainless
- screw: SAE 1018 case-hardened, hex-free chrome zinc-plated steel

Style HSS material:

- band and housing: SAE 300 series stainless
- screw: SAE 300 series stainless

Band Width	Hose OD		style HS Part #	Master Case Qty	style HSS Part #	Master Case Qty
1/2"	7/16"	25/32"	HS6	200	HSS6	200
	1/2"	29/32"	HS8	200	HSS8	200
	9/16"	1-1/16"	HS10	500	HSS10	500
	11/16"	1-1/14"	HS12	500	HSS12	500
	13/16"	1-1/2"	HS16	500	HSS16	500
	13/16"	1-3/4"	HS20	500	HSS20	500
	1-1/16"	2"	HS24	500	HSS24	500
	1-5/16"	2-1/4"	HS28	500	HSS28	500
	1-9/16"	2-1/2"	HS32	500	HSS32	500
	1-13/16"	2-3/4"	HS36	500	HSS36	500
	2-1/16"	3"	HS40	200	HSS40	200
	2-5/16"	3-1/4"	HS44	200	HSS44	200
	2-9/16"	3-1/2"	HS48	200	HSS48	200
	2-13/16"	3-3/4"	HS52	200	HSS52	200
	3-1/16"	4"	HS56	200	HSS56	200
	3-5/16"	4-1/4"	HS60	200	HSS60	200
9/16"	3-9/16"	4-1/2"	HS64	200	HSS64	200
	1-7/8"	5"	HS72	100	HSS72	100
	2-1/2"	5-1/2"	HS80	100	HSS80	100
	3-1/8"	6"	HS88	100	HSS88	100
	3-5/8"	6-1/2"	HS96	100	HSS96	100
	4-1/8"	7"	HS104	100	HSS104	100
	5-5/8"	8-1/2"	HS128	100	HSS128	100
	7-1/8"	10"	HS152	100	HSS152	100
	9-3/8"	12-1/4"	HS188	100	HSS188	100
	10-1/8"	13"	HS200	100	HSS200	100
	10-7/8"	13-3/4"	HS212	100	HSS212	100
	11-5/8"	14-1/2"	HS224	100	HSS224	100
	12-3/8"	15-1/4"	HS236	100	HSS236	100
	13-1/8"	16"	HS248	100	HSS248	100
	17-1/8"	20"	HS312	100	HSS312	100



style HSS

Clamps

E

Miniature Worm Gear Clamps

Features:

- meets SAE J1508
- screw design: 1/4" slotted hex head
- maximum recommended torque 15 in. lbs.
- **all clamps sold 10 per box**

Style MH material:

- band and housing: SAE 300 series stainless
- screw: SAE 1018 case-hardened, hex-free chrome zinc-plated steel

Style MAH material:

- band and housing: SAE 300 series stainless
- screw: SAE 300 series stainless

Band Width	Hose OD		style MH Part #	Master Case Qty	style MAH Part #	Master Case Qty
5/16"	7/32"	5/8"	MH4	500	MAH4	500
	7/16"	25/32"	MH6	500	MAH6	500
	1/2"	29/32"	MH8	200	MAH8	200
	9/16"	1-1/16"	MH10	200	MAH10	200
	11/16"	1-1/4"	MH12	200	MAH12	200
	15/16"	1-1/2"	MH16	200	MAH16	200
	1-3/16"	1-3/4"	MH20	200	MAH20	200



style MH

Torque ratings correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp.



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Aero-Seal® Worm Gear Clamps

Features:

- four-piece construction
- band slots designed for strength and smooth action
- saddle interlocks into embossed band to form a true concentric circle
- slotted hex head screw design
- heat treated screws have buttress thread type
- safety collar or thumb screw available on the style 200 series only
- suggested installation torque 30-42 inch pounds, maximum recommended torque 60 in. lbs.
- **all clamps sold 10 per box**
- Torque ratings correspond to the torque rating of the screw of the clamp and *are not an indication of the working pressure of any hose assembly installed with this clamp.* 

Style 100:

- band and housing: 300 SS
- screw: plated carbon steel

Style 200:

- band and housing: 300 SS
- screw: 410 stainless steel

Style 300:

- band and housing: 300 SS
- screw: 305 stainless steel



style 300

Band Width	Hose OD		Style 100 Part #	Style 200 Part #	Style 300 Part #	Pkg Qty
9/16"	7/16"	25/32"	10006	20006	30006	10
	1/2"	29/32"	10008	20008	30008	10
	9/16"	1-1/16"	10010	20010	30010	10
	11/16"	1-1/4"	10012	20012	30012	10
	13/16"	1-1/2"	10016	20016	30016	10
	13/16"	1-3/4"	10020	20020	30020	10
	1-1/16"	2"	10024	20024	30024	10
	1-5/16"	2-1/4"	10028	20028	30028	10
	1-9/16"	2-1/2"	10032	20032	30032	10
	1-13/16"	2-3/4"	10036	20036	30036	10
	2-1/16"	3"	10040	20040	30040	10
	2-5/16"	3-1/4"	10044	20044	30044	10
	2-9/16"	3-1/2"	10048	20048	30048	10
	2-13/16"	3-3/4"	10052	20052	30052	10
	3-1/16"	4"	10056	20056	30056	10
	3-5/16"	4-1/4"	10060	20060	30060	10

Marine Grade Worm Gear Clamps

Features:

- three-piece construction
- clamp meets SAEJ1508 which supercedes Mil Spec WW-C-440B
- 316 stainless steel marine grade: band, screw, housing
- screw design: 5/16" slotted hex head
- suggested installation torque 30-42 inch pounds, maximum recommended torque 60 in. lbs.
- **all clamps sold 10 per box**
- Torque ratings correspond to the torque rating of the screw of the clamp and *are not an indication of the working pressure of any hose assembly installed with this clamp.* 



Band Width	Hose OD		316 Stainless Steel Part #
1/2"	from	to	
	3/8"	7/8"	MGC6
	7/16"	1"	MGC8
	9/16"	1-1/16"	MGC10
	9/16"	1-5/16"	MGC12
	11/16"	1-1/2"	MGC16
	3/4"	1-3/4"	MGC20
	1-1/16"	2"	MGC24
	1-5/16"	2-1/4"	MGC28
	1-9/16"	2-1/2"	MGC32
	1-13/16"	2-3/4"	MGC36
	2-11/16"	3"	MGC40
	2-5/16"	3-1/4"	MGC44
	2-9/16"	3-1/2"	MGC48
	2-13/16"	3-3/4"	MGC52
	3-1/16"	4"	MGC56
	2-1/2"	4-1/2"	MGC64
	3-1/16"	5"	MGC72
	3-1/2"	5-1/2"	MGC80
	4-3/32"	6"	MGC88
	4-1/2"	6-1/2"	MGC96
	5"	7"	MGC104

Aero-Seal® Liner Worm Gear Clamps

Features:

- The integral extension of the band as a liner (no rivets or welds) protects soft surface hose (silicone and others) from damage caused by extrusion or shearing through the band slots.
- screw design: 5/16" hex slotted hex head
- **all clamps sold 10 per box**
- band, saddle, housing: stainless steel

Style DL:

- screw: plated carbon steel

Style DLS:

- screw: 410 stainless steel

Band Width	Hose OD		style DL Part #	Pkg Qty	style DLS Part #	Pkg Qty
	from	to				
1/2"	7/16"	25/32"	DL9206	10	DLS9406	10
	1/2"	29/32"	DL9208	10	DLS9408	10
	9/16"	1-1/16"	DL9210	10	DLS9410	10
	11/16"	1-1/4"	DL9212	10	DLS9412	10
	13/16"	1-1/2"	DL9216	10	DLS9416	10
	13/16"	1-3/4"	DL9220	10	DLS9420	10
	1-1/16"	2"	DL9224	10	DLS9424	10
	1-5/16"	2-1/4"	DL9228	10	DLS9428	10
	1-9/16"	2-1/2"	DL9232	10	DLS9432	10
	1-13/16"	2-3/4"	DL9236	10	DLS9436	10
	2-1/16"	3"	DL9240	10	DLS9440	10
	2-5/16"	3-1/4"	DL9244	10	DLS9444	10
	2-9/16"	3-1/2"	DL9248	10	DLS9448	10



style DLS

Clamps

WaveSeal Clamps

Application:

- provides optimal retention in applications involving thermal cycling and / or high vibration

Features:

- produces a sealing O-ring effect that prevents leakage
- 5/16" head screw
- suggested installation torque 50-70 inch pounds
- **all clamps sold 10 per box**
- construction:
 - band: 300 stainless steel
 - liner and housing: 300 stainless steel
 - screw: 410 stainless steel
- Torque ratings correspond to the torque rating of the screw of the clamp and are *not* an indication of the working pressure of any hose assembly installed with this clamp. 

Band Width	Hose OD		Part #	Pkg Qty
	from	to		
9/16"	1-3/32"	1-5/16"	WSS16	10
	1-1/8"	1-1/2"	WSS19	10
	1-1/8"	1-9/16"	WSS20	10
	1-7/16"	1-11/16"	WSS22	10
	1-1/2"	1-13/16"	WSS24	10
	1-3/4"	2-1/16"	WSS28	10
	1-15/16"	2-5/16"	WSS32	10
	2"	2-7/16"	WSS34	10
	2-1/8"	2-9/16"	WSS36	10
	2-5/16"	2-13/16"	WSS40	10
	2-1/2"	3-1/16"	WSS44	10
	2-11/16"	3-5/16"	WSS48	10
	2-7/8"	3-9/16"	WSS52	10
	3-1/16"	3-13/16"	WSS56	10
	3-1/4"	4-1/16"	WSS60	10
	3-7/16"	4-5/16"	WSS64	10
	3-3/4"	4-13/16"	WSS72	10
	4-3/16"	5-5/16"	WSS80	10
	4-1/2"	5-13/16"	WSS88	10



Constant Torque Worm Gear Clamps

Features:

- A patented Belleville spring mechanism permits the clamp to automatically increase or decrease its own diameter due to changes in operational or environmental temperatures.
- $\frac{3}{8}$ " hex, carbon steel screw
- $\frac{5}{8}$ " wide 300 stainless steel band

Clamps



Band Width	Hose OD		Part #
	from	to	
$\frac{5}{8}$ "	1"	1 $\frac{3}{4}$ "	CT175L
	1 $\frac{1}{4}$ "	2 $\frac{1}{8}$ "	CT200L
	1 $\frac{3}{4}$ "	2 $\frac{5}{8}$ "	CT250L
	2 $\frac{1}{4}$ "	3 $\frac{1}{8}$ "	CT300L
	2 $\frac{3}{4}$ "	3 $\frac{5}{8}$ "	CT350L
	3 $\frac{1}{4}$ "	4 $\frac{1}{8}$ "	CT400L
	3 $\frac{3}{4}$ "	4 $\frac{5}{8}$ "	CT450L
	4 $\frac{1}{4}$ "	5 $\frac{1}{8}$ "	CT500L
	4 $\frac{3}{4}$ "	5 $\frac{5}{8}$ "	CT550L
	5 $\frac{1}{4}$ "	6 $\frac{1}{8}$ "	CT600L
	5 $\frac{3}{4}$ "	6 $\frac{5}{8}$ "	CT650L
	6 $\frac{1}{4}$ "	7 $\frac{1}{8}$ "	CT700L
	6 $\frac{3}{4}$ "	7 $\frac{5}{8}$ "	CT750L
	7 $\frac{1}{4}$ "	8 $\frac{1}{8}$ "	CT800L
	7 $\frac{3}{4}$ "	8 $\frac{5}{8}$ "	CT850L
	8 $\frac{1}{4}$ "	9 $\frac{1}{8}$ "	CT900L
	8 $\frac{3}{4}$ "	9 $\frac{5}{8}$ "	CT950L

HTM Hi Torque Worm Gear Clamps

Features:

- withstands more than three times the SAE torque requirements for worm-driven clamps
- eight screw threads are engaged in the band simultaneously for incredible torquing drive (over 90 in. lbs.), sealing pressure and vibration resistance
- slotted hex head screw design
- Torque ratings correspond to the torque rating of the screw of the clamp and *are not an indication of the working pressure of any hose assembly installed with this clamp.* 

Materials:

- band and housing: 300 series half hard stainless ¹
- screw: 410 stainless steel screw



style HTM



style HP

Band Width	Hose OD		Stainless Steel Part #
	from	to	
$\frac{5}{8}$ "	1 $\frac{1}{4}$ "	2 $\frac{1}{8}$ "	HTM200
	1 $\frac{1}{4}$ "	2 $\frac{5}{8}$ "	HP2 ¹
	1 $\frac{3}{4}$ "	2 $\frac{5}{8}$ "	HTM250
	2 $\frac{1}{8}$ "	4 $\frac{1}{8}$ "	HP3 ¹
	2 $\frac{1}{4}$ "	3 $\frac{1}{8}$ "	HTM300
	2 $\frac{3}{4}$ "	3 $\frac{5}{8}$ "	HTM350
	3 $\frac{1}{2}$ "	4 $\frac{1}{8}$ "	HTM400
	3 $\frac{3}{4}$ "	4 $\frac{5}{8}$ "	HTM450
	4"	6 $\frac{1}{8}$ "	HP4 ¹
	4 $\frac{1}{4}$ "	5 $\frac{1}{8}$ "	HTM500
	4 $\frac{3}{4}$ "	5 $\frac{5}{8}$ "	HTM550
	5 $\frac{1}{4}$ "	6 $\frac{1}{8}$ "	HTM600
	5 $\frac{3}{4}$ "	6 $\frac{5}{8}$ "	HTM650
	6 $\frac{1}{8}$ "	9 $\frac{1}{8}$ "	HP5 ¹
	6 $\frac{1}{4}$ "	7 $\frac{1}{8}$ "	HTM700
	6 $\frac{3}{4}$ "	7 $\frac{5}{8}$ "	HTM750
	7 $\frac{1}{4}$ "	8 $\frac{1}{8}$ "	HTM800
	7 $\frac{3}{4}$ "	8 $\frac{5}{8}$ "	HTM850
	8 $\frac{1}{4}$ "	9 $\frac{1}{8}$ "	HTM900

¹ extended hose OD range

Center Punch Band Clamps

Features:

- install with center punch tools F1, F38, F40 and F100 located on page 271 other manufacturer's punch style tools may also be used
- on stainless clamps, bands are 300 series stainless steel, buckles are 302 series stainless steel
- sold in package quantities only

Pre-formed F Series

Band Width	Clamp ID	Band THK	Stainless Steel Part #	Pkg Qty	Band THK	Galvanized Steel Part #	Pkg Qty
3/8"	13/16"	.020"	FS3	100	.025"	F3	100
	1-3/8"	.020"	FS311	100	.025"	F311	100
5/8"	1"	.022"	FS4	100	.025"	F4	100
	1-1/4"	.022"	FS5	100	.025"	F5	100
	1-1/2"	.022"	FS6	100	.031"	F6	100
	1-3/4"	.022"	FS7	100	.031"	F7	100
	2"	.022"	FS8	100	.031"	F8	100
	2-1/4"	.022"	FS9	100	.031"	F9	100
	2-1/2"	.022"	FS10	50	.031"	F10	50
	2-3/4"	.022"	FS11	50	.031"	F11	50
	3"	.022"	FS12	50	.031"	F12	50
	3-1/2"	.022"	FS14	50	.031"	F14	50
	4"	.022"	FS16	25	.031"	F16	25
	4-1/2"	.022"	FS18	25	.031"	F18	25
	5"	.022"	FS20	25	.031"	F20	25
	6"	.022"	FS24	25	.031"	F24	25
	7"	.022"	FS28	25	.031"	F28	25
	8"	.022"	FS32	25	.031"	F32	25



Clamps

E

Open End FO Series

Band Width	Clamp ID	Band THK	Stainless Steel Part #	Pkg Qty	Band THK	Galvanized Steel Part #	Pkg Qty
3/8"	13/16"	.020"	FOS3	100	.025"	FO3	100
	1-3/8"	.020"	FOS311	100	.025"	FO311	100
	2"	.020"	FOS316	100	.025"	FO316	100
	3-1/8"	.020"	FOS325	100	.025"	FO325	100
5/8"	2"	.022"	FOS8	100	.025"	FO8	100
	2-1/2"	.022"	FOS10	50	.025"	FO10	50
	3"	.022"	FOS12	50	.031"	FO12	50
	3-1/2"	.022"	FOS14	50	.031"	FO14	50
	4"	.022"	FOS16	50	.031"	FO16	50
	4-1/2"	.022"	FOS18	50	.031"	FO18	50
	5"	.022"	FOS20	25	.031"	FO20	25
	6"	.022"	FOS24	25	.031"	FO24	25
	7"	.022"	FOS28	25	.031"	FO28	25
	8"	.022"	FOS32	25	.031"	FO32	25
	9"	.022"	---	---	.031"	FO36	25
	10"	.022"	---	---	.031"	FO40	25
	12"	.022"	---	---	.031"	FO48	25
	14"	.022"	---	---	.031"	FO56	10



Universal Pre-formed K series

Clamps

**Features:**

- on stainless clamps, bands are 300 series stainless steel, buckles are 302 series stainless steel
- can be center punched or rolled over, install with the center punch or roll over tools located on page 271
- Fast-Lok™ tools: F1, F40, F100 page 271
- Super Strap Tools: 51960 screw action with 51970 adapter page 272
- Bandit®: S100 air tool with S180 Jr. head, C-001 hand tool with J001 Jr. adapter, S350 air tool with S260 Jr. head, T-240 for 3/8" only or T-250 for 3/8" and 5/8", S-38 for 3/8" and 5/8", J-102 Pok-It™ for 3/8" only.
- Punch-Lok® tools: P-1000 for 3/8" and 5/8", P-3000 for 3/8" only, P-38 for 3/8" and 5/8"
- **sold in package quantities only**

Band Width	Clamp ID	Band THK	Stainless Steel Part #	Pkg Qty	Band THK	Galvanized Steel Part #	Pkg Qty
3/8"	13/16"	.025"	KS3	100	.025"	K3	100
	1-3/8"	.025"	KS311	100	.025"	K311	100
5/8"	1"	.030"	KS4	100	.031"	K4	100
	1-1/4"	.030"	KS5	100	.031"	K5	100
	1-1/2"	.030"	KS6	100	.031"	K6	100
	1-3/4"	.030"	KS7	100	.031"	K7	100
	2"	.030"	KS8	100	.031"	K8	100
	2-1/4"	.030"	KS9	100	.031"	K9	100
	2-1/2"	.030"	KS10	50	.031"	K10	50
	2-3/4"	.030"	KS11	50	.031"	K11	50
	3"	.030"	KS12	50	.031"	K12	50
	3-1/2"	.030"	KS14	50	.031"	K14	50
	4"	.030"	KS16	25	.031"	K16	25
	4-1/2"	.030"	KS18	25	.031"	K18	25
	5"	.030"	KS20	25	.031"	K20	25
	6"	.030"	KS24	25	.031"	K24	25
	7"	.030"	KS28	25	.031"	K28	25
	8"	.030"	KS32	25	.031"	K32	25

Dixon® Smooth ID - Roll Over Type Clamps

Application:

- for use with industrial hose made of stiffer, thinner thermoplastics

Features:

- provide a uniform, gap-free inside diameter, and strong holding power
- Install with roll over type clamp tools and most common band clamp tools such as the 51960 and 51970 band tools on page 272.
- **sold in package quantities only**

Band Width	Clamp ID	Band THK	201 Stainless Steel Part #	Pkg Qty	Galvanized Steel Part #	Pkg Qty
3/8"	13/16"	.025"	JS201	100	JS301	100
	1"	.025"	JS243	100	JS343	100
	1-3/8"	.025"	JS202	100	JS302	100
	2"	.025"	JS245	100	---	---
1/2"	1"	.030"	JS203	100	JS303	100
	1-1/4"	.030"	JS204	100	JS304	100
	2-3/4"	.030"	JS230	100	JS330 ¹	100
5/8"	1-1/2"	.030"	JS205	100	JS305	100
	1-3/4"	.030"	JS206	100	JS306	100
	2"	.030"	JS207	100	JS307	100
	2-1/4"	.030"	JS208	100	JS308	100
	2-1/2"	.030"	JS209	100	JS309	100
3/4"	2-3/4"	.030"	JS210	50	---	---
	3"	.030"	JS211	50	JS311	50
	3-1/2"	.030"	JS212	50	JS312	50
	4"	.030"	JS213	25	JS313	25
	4-1/2"	.030"	JS214	25	JS314	25
	5"	.030"	JS215	25	JS315	25
	6"	.030"	JS216	25	---	---
	7"	.030"	JS218	25	---	---

¹ stock quantities only

Clamps

E

Dixon® Smooth ID Center Punch Clamps

Application:

- for use in applications where conditions are highly corrosive

Features:

- double wrapped and locked with the conical punch of the F100 tool page 271
- unique dimple design offers excellent sealing strength while maintaining radial compression
- heavy buckle provides optimal holding power
- ideal for thin wall hose
- low profile
- **sold in package quantities only**

Band Width	Clamp ID	Band THK	201 Stainless Steel Part #	Pkg Qty
5/8"	1"	.025"	HBC4S	100
	1 1/4"	.025"	HBC5S	100
	1 1/2"	.025"	HBC6S	100
	1 3/4"	.025"	HBC7S	100
	2"	.025"	HBC8S	100
	2 1/4"	.025"	HBC9S	100
	2 1/2"	.025"	HBC10S	50
	2 3/4"	.025"	HBC11S	50
	3"	.025"	HBC12S	50
	3 1/2"	.025"	HBC14S	50
	4"	.025"	HBC16S	25
	4 1/2"	.025"	HBC18S	25
	5"	.025"	HBC20S	25
	6"	.025"	HBC24S	25
	7"	.025"	HBC28S	25
	8"	.025"	HBC32S	25



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Band & Buckles System

Clamps



Features:

- install with C2 or 51960 band clamp tools
- sold in box quantities only

Band Width	201 Stainless Steel Part #	Pkg Qty	Galvanized Steel Part #	Pkg Qty
3/8"	CS375	100	CG375	100
1/2"	CS500	100	CG500	100
5/8"	CS625	100	CG625	100
3/4"	CS750	100	CG750	50

Strapping

Feature:

- install with C2 or 51960 band clamp tools



Band Width	Band Thickness	Length	201 Stainless Steel Part #	Galvanized Steel Part #
3/8"	.025"	100'	SS375	SG375
1/2"	.031"	100'	SS500	SG500
5/8"	.031"	100'	SS625	SG625
3/4"	.031"	100'	SS750	SG750

Set Screw Buckles

Application:

- Used in applications when a temporary clamp is desired or space limitations do not allow for tool roll-over

Features:

- set screw locks band after tensioning
- sold in box quantities only



Band Width	201 Stainless Steel Part #	Pkg Qty
1/2"	SSB500	25
3/4"	SSB750 ¹	25

¹ 3/4" buckle may be used with 5/8" band

Stainless Steel Banding with Tote

Features:

- resistant to moisture
- built-in handle
- full view of available band
- easy to dispense and recoil



Band Width	Band Thickness	Length	Package Description	201 Stainless Steel Part #
1/2"	.030"	100'	plastic blue tote	ST204B
5/8"	.030"	100'	plastic green tote	ST205G
3/4"	.030"	100'	plastic red tote	ST206R

Band Clamp Hand Tools

Locking Hand Tool

Features:

- for application of punch type $\frac{3}{8}$ " and $\frac{5}{8}$ " band clamps
- for use with F series only

Part #

F38

Clamps

Intermediate Hand Tool

Feature:

- for application of $\frac{3}{8}$ " and $\frac{5}{8}$ " band clamps

Part #

F40Hand Tool for $\frac{5}{8}$ " Clamps

Features:

- for application of $\frac{5}{8}$ " band clamps
- imported

Part #

F1

E

Hand Tool for $\frac{3}{8}$ " & $\frac{5}{8}$ " Clamps

Features:

- for application of $\frac{3}{8}$ " and $\frac{5}{8}$ " band clamps
- Made in the USA

Part #

F100

Adapter for F100 Tool

Feature:

- $\frac{3}{8}$ " clamp adapter for F100 tool only

Part #

F229

Band Clamp Punching Mallet



Part #

F225

Clamps

Clamp Cutter



Part #

F550

Band & Buckle Clamping Tools



Description

Part #

Clamping tool for band and buckles

C2

Note: once stock is depleted product will be obsolete



Description

Part #

Clamping tool for band and buckles

51960

Feature:

- for 51960 tool above



Description

Part #

adapter for 51960 tool to install
preformed clamps**51970**

Pinch-On Clamps

Single Ear

Features:

- band width: .275"
- band thickness: .030"
- sold in package quantities only

Nominal Size	Range		Zinc Plated Steel Part #	304 Stainless Steel Part #	Pkg Qty
	closed	open			
3/8"	.350"	.413"	105	105R	100
7/16"	.382"	.445"	113	113R	100
15/32"	.409"	.484"	123	123R	100
1/2"	.449"	.524"	133	133R	100
35/64"	.469"	.551"	140	140R	100
9/16"	.496"	.571"	145	145R	100
5/8"	.543"	.618"	157	157R	100
11/16"	.595"	.669"	170	170R	100
23/32"	.618"	.728"	185	185R	100
3/4"	.669"	.780"	198	198R	100
13/16"	.717"	.827"	210	210R	100
7/8"	.780"	.890"	226	226R	100
15/16"	.839"	.949"	241	241R	100
1"	.898"	1.008"	256	256R	100
1-1/16"	.945"	1.067"	271	271R	100
1-1/8"	1.004"	1.126"	286	286R	100
1-3/16"	1.063"	1.185"	301	301R	100
1-5/16"	1.181"	1.303"	331	331R	100
1-3/8"	1.240"	1.362"	346	346R	100
1-15/32"	1.358"	1.480"	376	376R	100
1-9/16"	1.437"	1.559"	396	396R	100
1-5/8"	1.492"	1.614"	410	410R	100
1-11/16"	1.551"	1.673"	425	425R	100
1-23/32"	1.610"	1.732"	440	440R	100
1-3/4"	1.669"	1.791"	455	455R	100
1-13/16"	1.728"	1.850"	470	470R	100
1-7/8"	1.787"	1.909"	485	485R	100
1-15/16"	1.847"	1.969"	500	500R	100
2"	1.906"	2.028"	515	515R	100

Clamps



E

Double Ear

Features:

- When ordering double ear clamps, select nominal clamp size nearest to, but always larger than, the OD of material to be clamped after insert has been fitted.
- sold in package quantities only

Nominal Size	Range		Band Width	Zinc Plated Steel Part #	304 Stainless Steel Part #	Pkg Qty
	closed	open				
3/16"	.134"	.197"	.197"	0305	0305R	100
1/4"	.197"	.276"	.236"	0507	0507R	100
5/16"	.276"	.354"	.275"	0709	0709R	100
3/8"	.319"	.433"	.275"	0811	0811R	100
1/2"	.425"	.512"	.275"	1113	1113R	100
9/16"	.492"	.591"	.295"	1315	1315R	100
19/32"	.551"	.669"	.315"	1517	1517R	100
5/8"	.591"	.709"	.315"	1518	1518R	100
3/4"	.638"	.787"	.335"	1720	1720R	100
13/16"	.709"	.866"	.354"	1922	1922R	100
7/8"	.748"	.906"	.354"	2023	2023R	100
15/16"	.827"	.984"	.394"	2225	2225R	100
1"	.886"	1.063"	.394"	2327	2327R	100
1-1/8"	1.035"	1.221"	.394"	2731	2731R	100
1-7/16"	1.260"	1.457"	.394"	3437	3437R	100
1-1/2"	1.378"	1.575"	.394"	3740	3740R	100



Pinch-On Stepless® Ear Clamps

Clamps



Features:

- once installed and clamped tampering is easily visible
- *Clamps are not reusable*; they should not be pried open, doing so renders the clamp nonfunctional. 
- ensured clamping seal
- for low durometer or thin-walled hose/tubing
- for silicon, vinyl, polyurethane or other high-tech materials
- smooth inner band prevents damage to the hose while the tongue-in-groove design provides a 360° seal
- no steps or gaps inside the clamp
- install clamps using 1098 or 1099 clamp tools below
- clamps hold against pressure, vibration and material shrinkage due to temperature changes or aging
- built-in spring action permits the clamp to breathe without loosening
- When ordering, select the nominal size nearest to, but always larger than, the outside diameter of the material to be clamped. The outside diameter should be determined with connection fully assembled.
- **sold in package quantities only**

Nominal Size	Range (inches)		304 Stainless Steel Part #	Pky Qty
	closed	open		
9/32"	.228"	.275"	0983	100
3/8"	.307"	.374"	0986	100
7/16"	.378"	.445"	0989	100
1/2"	.425"	.524"	0993	100
35/64"	.453"	.551"	0997	100
9/16"	.472"	.571"	0999	100
5/8"	.520"	.618"	1005	100
11/16"	.571"	.669"	1009	100
3/4"	.654"	.779"	1021	100
13/16"	.701"	.827"	1029	100

Clamp Service Kit

Includes:

- 15 of part #0709
- 15 of part #0811
- 15 of part #1113
- 15 of part #1315
- 15 of part #1518
- 12 of part #1720
- 12 of part #2023
- 12 of part #2225
- 12 of part #2327
- 1 pair of standard jaw pincers, part # 1098



Part #

SK1098

Standard Jaw Clamp Tool



Part #

1098

Side Jaw Clamp Tool



Part #

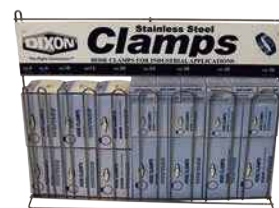
1099

Dixon® Worm Gear Clamp Racks

Features:

- top load metal rack made of nickel plated steel rods with enameled steel sign
- sign identifies each clamp size and diameter range
- rack with clamps contains 9 clamp sizes with diameter ranges from 7/32" - 2-3/4"
- **CRWC**, Clamps included are:
 - 30 of part# MH4
 - 30 of part# MH6
 - 20 of part# HS10
 - 20 of part# HS12
 - 20 of part# HS20
 - 20 of part# HS24
 - 20 of part# HS28
 - 20 of part# HS32
 - 20 of part# HS36

Description	Part #
with 200 clamps	CRWC
without clamps	CR



CRWC



CR

Clamps

Quick Release Worm Gear Clamps

Features:

- suggested installation torque 25-35 inch pounds, maximum recommended torque 50 in. lbs.
- band and housing: 201 series stainless
- screw design: 5/16" slotted hex head
- **Parts showing package quantities are sold in package quantities only.**
- Torque ratings correspond to the torque rating of the screw of the clamp and are *not* an indication of the working pressure of any hose assembly installed with this clamp.



Style LS:

- screw: plated hardened carbon steel

Style LSS:

- screw: SAE 410 series stainless

Band Width	Hose OD		style LS Part #	Pkg Qty	style LSS Part #	Pkg Qty
1/2"	1-1/2"	3-1/2"	LS48	10	LSS48	10
	1"	4"	LS56	10	---	---
	2"	5"	LS72	10	LSS72	10
	2-1/16"	6"	LS88	10	LSS88	10
	3-1/2"	6-9/16"	LS96	---	---	---
	2-7/8"	7"	LS104	10	LSS104	10
	1-3/4"	8-9/16"	LS128	---	LSS128	---
	2"	10"	LS152	---	---	---
	2-1/16"	12-5/16"	LS188	---	LSS188	---
	10-3/16"	14"	---	---	LSS216	---
	1-3/4"	16"	---	---	LSS248	---
	1-7/8"	20"	---	---	LSS312	---



style LS



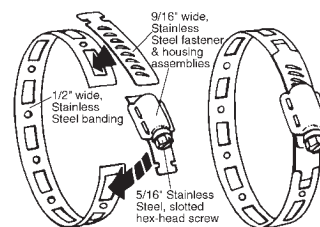
style LSS

E

Worm Gear Make-A-Clamp Kits

Features:

- A maintenance clamp system in a box; by simply cutting off a piece of banding from a continuous roll, you can make any size stainless steel worm-driven clamp from 2" diameter and up. Perfect applications requiring for varying sized large clamps.
- reusable
- band width: 1/2"
- band thickness: .023"
- screw design: 5/16" slotted hex head
- band and housing material: 300 stainless
- screw material: 410 stainless



Contents	Stainless Steel Part #
mini kit: 8 1/2' band, 3 adjustable fasteners, 1 band splice	4000
kit with 100' band, 25 adjustable fasteners, 10 band splices	4001
kit with 50' band, 10 adjustable fasteners, 5 band splices	4002
box with 10 adjustable fasteners: priced per box	4004
box with 100' band, 10 band splices	4005
box with 50' band, 5 band splices	4006
6" demonstrator kit with clamps	4007
box with 10 band splices: priced per box	4008



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T-Bolt Clamps

Features:

Style TBC

- can be applied with a standard 7/16" socket wrench
- ¾" wide, .025" thick, 300 series stainless steel band
- alloy steel bolt, torque rating: 70 in/lbs
- not for use with pneumatic tools



Style STBC

- can be applied with a standard 7/16" socket wrench
- ¾" wide, .025" thick, 300 series stainless steel band
- 300 series stainless steel bolt, torque rating: 50 in/lbs
- not for use with pneumatic tools



Clamps



style TBC



style STBC

Hose OD		style TBC Part #	style STBC Part #	Optional Qty
from	to			
1.250"	1.406"	TBC131	STBC131	25
1.344"	1.562"	TBC150	STBC150	25
1.474"	1.692"	---	STBC163	25
1.594"	1.812"	TBC175	STBC175	25
1.724"	1.942"	TBC188	STBC188	25
1.844"	2.062"	TBC200	STBC200	25
1.964"	2.182"	---	STBC212	25
2.094"	2.312"	TBC225	STBC225	25
2.224"	2.442"	TBC238	STBC238	25
2.344"	2.562"	TBC250	STBC250	25
2.326"	2.622"	TBC256	STBC256	25
2.396"	2.692"	TBC263	STBC263	25
2.516"	2.812"	TBC275	STBC275	25
2.646"	2.942"	TBC288	STBC288	25
2.766"	3.062"	TBC300	STBC300	25
2.886"	3.182"	TBC312	STBC312	25
3.016"	3.312"	TBC325	STBC325	25
3.266"	3.562"	TBC350	STBC350	25
3.386"	3.682"	---	STBC362	25
3.516"	3.812"	TBC375	STBC375	25
3.586"	3.882"	TBC382	STBC382	25
3.766"	4.062"	TBC400	STBC400	25
4.016"	4.312"	TBC425	STBC425	25
4.266"	4.562"	TBC450	STBC450	25
4.516"	4.812"	TBC475	STBC475	25
4.766"	5.062"	TBC500	STBC500	25
5.016"	5.312"	TBC525	STBC525	25
5.266"	5.562"	TBC550	STBC550	25
5.516"	5.812"	TBC575	STBC575	25
5.766"	6.062"	TBC600	STBC600	25
6.016"	6.312"	TBC625	STBC625	25
6.266"	6.562"	TBC650	STBC650	25
6.516"	6.812"	TBC675	STBC675	25
6.766"	7.062"	TBC700	STBC700	25
7.016"	7.312"	---	STBC725	25
7.266"	7.562"	TBC750	STBC750	25
7.766"	8.062"	---	STBC800	25
8.016"	8.312"	---	STBC825	25
8.266"	8.562"	---	STBC850	25
8.646"	8.942"	---	STBC888	25
8.766"	9.062"	---	STBC900	25
9.266"	9.562"	---	STBC950	25
9.766"	10.062"	---	STBC1000	10
10.646"	10.942"	---	STBC1088	10
11.766"	12.062"	---	STBC1200	10
12.646"	12.942"	---	STBC1288	10



Heavy Duty T-Bolt Clamps

Features:

- can be applied with a standard ½" socket wrench.
- ⅞" wide, .040" thick, 300 series stainless steel band
- style HTBC carbon steel bolt, torque rating: 150 in/lbs
- style HSTBC 300 series stainless steel bolt, torque rating: 150 in/lbs
- not for use with pneumatic tools



Hose OD		style HTBC Part #	style HSTBC Part #
from	to		
2.125"	2.4375"	<i>HTBC238</i>	<i>HSTBC238</i>
2.250"	2.5625"	<i>HTBC250</i>	<i>HSTBC250</i>
2.750"	3.0625"	<i>HTBC300</i>	<i>HSTBC300</i>
3.250"	3.5625"	<i>HTBC350</i>	<i>HSTBC350</i>
3.750"	4.0625"	<i>HTBC400</i>	<i>HSTBC400</i>
4.250"	4.5625"	<i>HTBC450</i>	<i>HSTBC450</i>
4.750"	5.0625"	<i>HTBC500</i>	<i>HSTBC500</i>
5.250"	5.5625"	<i>HTBC550</i>	<i>HSTBC550</i>
5.750"	6.0625"	<i>HTBC600</i>	<i>HSTBC600</i>
6.250"	6.5625"	<i>HTBC650</i>	<i>HSTBC650</i>
6.750"	7.0625"	<i>HTBC700</i>	<i>HSTBC700</i>
7.250"	7.5625"	<i>HTBC750</i>	<i>HSTBC750</i>
7.750"	8.0625"	<i>HTBC800</i>	<i>HSTBC800</i>
8.266"	8.562"	---	<i>HSTBC850</i>
8.646"	8.942"	---	<i>HSTBC888</i>
8.766"	9.062"	---	<i>HSTBC900</i>
9.266"	9.562"	---	<i>HSTBC950</i>
9.766"	10.062"	---	<i>HSTBC1000</i>
10.646"	10.942"	---	<i>HSTBC1088</i>
12.646"	12.942"	---	<i>HSTBC1288</i>



style HTBC



style HSTBC

Clamps

E

Long Bolt T-Bolt Clamps

Features:

- can be applied with a standard 7/16" socket wrench.
- ¾" wide, .025" thick, 300 series stainless steel band
- 300 series stainless steel bolt, torque rating: 50 in/lbs
- not for use with pneumatic tools



Clamps



E

Hose OD		300 series Stainless Steel	Optional
from	to	Part #	Qty
2.80"	3.37"	STBC325L	25
3.05"	3.62"	STBC350L	25
3.37"	3.94"	STBC382L	25
3.55"	4.12"	STBC400L	25
3.75"	4.32"	STBC420L ¹	25
3.87"	4.44"	STBC432L	25
4.05"	4.62"	STBC450L	25
4.37"	4.94"	STBC482L	25
4.55"	5.12"	STBC500L	25
4.87"	5.44"	STBC532L	25
5.05"	5.62"	STBC550L	25
5.37"	5.94"	STBC582L	25
5.55"	6.12"	STBC600L ¹	25
5.87"	6.44"	STBC632L	25
6.05"	6.62"	STBC650L	25
6.30"	6.87"	STBC675L	25
6.53"	7.10"	STBC698L	25
6.55"	7.12"	STBC700L ¹	25
6.62"	7.19"	STBC707L	25
8.05"	8.62"	STBC850L	25
8.30"	8.87"	STBC875L	25
8.43"	9.00"	STBC888L	25
8.62"	9.19"	STBC907L	25
10.25"	10.82"	STBC1070L	25
10.43"	11.00"	STBC1088L	25
10.62"	11.19"	STBC1107L ¹	25
10.72"	11.29"	STBC1117L	25
12.20"	12.77"	STBC1265L	25
12.43"	13.00"	STBC1288L	25
12.75"	13.32"	STBC1320L	25
14.20"	14.77"	STBC1465L	25
14.43"	15.00"	STBC1488L	25
14.75"	15.32"	STBC1520L	25
16.20"	16.77"	STBC1665L	25
16.43"	17.00"	STBC1688L	25

¹ stock quantities only

Double Bolt Clamps

Features:

- inner surface has dual gripping ridges
- bolt lugs are reinforced to prevent bending out of alignment
- Torque values for clamps are based on dry bolts.
- The use of lubricant on bolts will adversely effect clamp performance.
- measure hose OD accurately before ordering clamps
- Consult Dixon® when using double bolt clamps on helical wire hose.



Hose OD		Plated Iron	Torque	Optional
from	to	Part #	in ft. lbs.	Qty
1-8/64"	1-12/64"	J48	15	100
1-12/64"	1-24/64"	J49	21	50
1-28/64"	1-34/64"	JX49	21	25
1-40/64"	1-52/64"	DL14	40	25
1-48/64"	2-3/64"	DL20	27	25
2-7/64"	2-19/64"	DL24 ¹	27	25
2-20/64"	2-40/64"	DL32 ¹	40	25
2-32/64"	2-48/64"	DL275	40	25
2-48/64"	3-4/64"	DL306	60	20
3-4/64"	3-24/64"	DL328	60	20
3-16/64"	3-32/64"	DL350	60	20

¹ investment cast carbon steel



Clamps

Double Bolt Clamps with Saddles

Hose OD		Plated Iron	Torque	Optional
from	to	Part #	in ft. lbs.	Qty
3-32/64"	3-52/64"	400	40	25
3-50/64"	4-4/64"	431	40	20
4-2/64"	4-18/64"	463	40	20
4-16/64"	4-60/64"	525	60	10
4-32/64"	5-16/64"	550	60	10
5-8/64"	5-44/64"	600	60	10
5-44/64"	5-60/64"	639	60	10
5-60/64"	6-32/64"	675	60	10
6-32/64"	7-36/64"	769	60	10
7-44/64"	8-12/64"	818	125	5
8-16/64"	8-56/64"	875	125	5
8-60/64"	9-56/64"	988	125	5
9-60/64"	11-24/64"	1125	125	5
11-12/64"	13"	1275	125	3
12-12/64"	14"	1360	200	2
13-12/64"	15"	1450	200	2
15-4/64"	17-32/64"	1700	260	2



Single Bolt Clamps

Features:

- measure hose OD accurately before ordering clamps
- Torque values for clamps are based on dry bolts.
- The use of lubricant on bolts will adversely effect clamp performance.



Clamps



Hose OD		Plated Iron	Torque
from	to	Part #	in ft. lbs.
5/64"	1"	2	6
62/64"	1-8/64"	3	6
1-4/64"	1-12/64"	4	6
1-10/64"	1-16/64"	5	6
1-16/64"	1-24/64"	6	6
1-22/64"	1-28/64"	7	6
1-28/64"	1-36/64"	8	6
1-42/64"	1-48/64"	10	6
1-48/64"	1-56/64"	11	6
1-56/64"	2-2/64"	12	6
2"	2-8/64"	13	12
2-8/64"	2-18/64"	14	12
2-16/64"	2-26/64"	15	12
2-24/64"	2-32/64"	16	12
2-32/64"	2-40/64"	17	12
2-40/64"	2-56/64"	18	12
2-56/64"	3-4/64"	19	12
3-4/64"	3-16/64"	20	12
3-16/64"	3-28/64"	21	12
3-28/64"	3-40/64"	22	21
3-40/64"	3-52/64"	23	21
3-52/64"	4-8/64"	24	21
4-8/64"	4-20/64"	25	21
4-16/64"	4-32/64"	26	21
4-28/64"	4-40/64"	27	21
4-40/64"	4-56/64"	X27	21
4-56/64"	5-16/64"	28	21



Spiral Clamps

Features:

- more than one clamp may be needed per size, contact the hose manufacturer for more information
- due to fluctuations in the OD of hose each individual installation should be checked
- for use on convoluted cover hose
- To determine which style clamp is needed for your hose look at the end of the hose; if the helix spirals in a clockwise direction away from you (along the hose), a clockwise clamp is needed. If the helix spirals in a counterclockwise direction away from you, a counterclockwise clamp is needed. Examples include, but are not limited to: Kuriyama convoluted hose uses counter clockwise clamps; Pacific Echo and Kana Flex use clockwise clamps; Goodyear uses both counter clockwise and clockwise.



Clamps

Clockwise

Size	Hose OD		Plated Steel, Right Hand Part #
	from	to	
1½"	1-34/64"	1-52/64"	SC150
2"	2-18/64"	2-32/64"	SC200
2½"	2-46/64"	3-8/64"	SC250
3"	3"	3-32/64"	SC300
4"	4"	4-32/64"	SC400
5"	5-6/64"	5-32/64"	SC500
6"	6-16/64"	7"	SC600
8"	8-32/64"	9-16/64"	SC800
10"	10-40/64"	11-16/64"	SC1000
12"	11-52/64"	12-61/64"	SC1200



E

Counter Clockwise

Size	Hose OD		Plated Steel, Left Hand Part #
	from	to	
1½"	1-34/64"	1-52/64"	SCCW150
2"	2-18/64"	2-32/64"	SCCW200
2½"	2-46/64"	3-8/64"	SCCW250
3"	3"	3-32/64"	SCCW300
4"	4"	4-32/64"	SCCW400
5"	5-6/64"	5-32/64"	SCCW500
6"	6-16/64"	7"	SCCW600
8"	8-32/64"	9-16/64"	SCCW800
10"	10-40/64"	11-16/64"	SCCW1000
12"	11-52/64"	12-61/64"	SCCW1200



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⚠ WARNING

The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple. Connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection. The whip hose should remain permanently connected to the tool.



Air King™

WARNING

- The use of an Air King™ safety clip or wire type retainer is necessary to ensure Air King™ universal couplings will not become accidentally disconnected. This guarantees the fittings are properly connected because the safety pin will not go through the holes in mating flanges until couplings are locked in place. Only one Air King™ safety clip or wire type retainer is required for each Air King™ universal coupling.

Features:

- can be used with Air King™ ferrules
- supplied with safety clip
- pressure rating: **150 PSI** at ambient temperature **70°F (21°C)**
- supplied with rubber washers, part # **AWR4**
- meets pressure requirements as specified in A-A-59553 commercial item description superseding Mil Spec.WWC-633D

2-Lug Hose Ends

Size	Iron Part #	Optional Qty	Brass Part #	Optional Qty	316 Stainless Steel Part #
3/8"	AMH ¹	25	ABH	25	RAMH
1/2"	AM1	50	AB1 ¹	50	RAM1
5/8"	AM5	50	AB5	50	---
3/4"	AM6	50	AB6 ¹	50	RAM6
1"	AM11	50	AB11 ¹	50	RAM11

**2-Lug Male NPT Ends**

Size	Iron Part #	Optional Qty	Brass Part #	Optional Qty	316 Stainless Steel Part #
1/4"	AMB1	25	ABB1	25	---
3/8"	AMB	25	ABB	25	RAMB
1/2"	AM2	50	AB2 ¹	50	RAM2
3/4"	AM7	50	AB7 ¹	50	RAM7
1"	AM12	50	AB12 ¹	50	RAM12

**2-Lug Female NPT Ends**

Size	Iron Part #	Optional Qty	Brass Part #	Optional Qty	316 Stainless Steel Part #
1/4"	AMC1	25	ABC1	25	---
3/8"	AMC	25	ABC	25	RAMC
1/2"	AM3	50	AB3 ¹	50	RAM3
3/4"	AM8	50	AB8 ¹	50	RAM8
1"	AM13	50	AB13 ¹	50	RAM13

¹global investment cast

Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.



Air King™

2-Lug Blank Ends



<i>Iron</i> Part #	<i>Optional</i> Qty	<i>Brass</i> Part #	<i>Optional</i> Qty	<i>316 Stainless Steel</i> Part #
AM0	25	AB0 ¹	25	RAM0

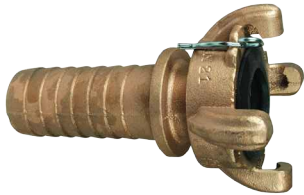
2-Lug Triple Connections



<i>Iron</i> Part #	<i>Optional</i> Qty	<i>Brass</i> Part #	<i>Optional</i> Qty
AM10	25	AB10 ¹	25

¹ global investment cast

4-Lug Hose Ends



Size	<i>Iron</i> Part #	<i>Brass</i> Part #	<i>Optional</i> Qty
1¼"	AM16	AB16 ¹	25
1½"	AM21	AB21 ¹	25
2"	AM26	AB26	10

¹ item will be discontinued when stock is depleted

4-Lug Female NPT Ends



Size	<i>Iron</i> Part #	<i>Brass</i> Part #	<i>Optional</i> Qty
1¼"	AM18	AB18 ¹	25
1½"	AM23	AB23 ¹	25
2"	AM28	AB28	10

¹ item will be discontinued when stock is depleted

Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.

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Features:

- supplied with safety clip and rubber washers
- pressure rating: **150 PSI** at ambient temperature **70°F (21°C)**
- use with Boss™ clamps, see pages 75 to 76
- not to be used for steam service 
- must use safety clips, safety clips are same size for both 2-lug and 4-lug Air King™ couplings, see page 289

2-Lug Hose Ends

Size	Plated Steel Part #	Pkg Qty
1/2"	GAM1	25
3/4"	GAM6	50
1"	GAM11	50

**2-Lug Male NPT Ends**

Size	Plated Steel Part #	Pkg Qty
1/2"	GAM2	25
3/4"	GAM7	50
1"	GAM12	50

**2-Lug Female NPT Ends**

Size	Plated Steel Part #	Optional Qty
1/2"	GAM3	25
3/4"	GAM8	50
1"	GAM13	50

**2-Lug Blank End**

Plated Steel Part #	Optional Qty
GAM0	25

**2-Lug Triple Connection**

Plated Steel Part #	Optional Qty
GAM10	25



Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.



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Global Air King™

4-Lug Hose Ends



Size	Plated Steel Part #	Optional Qty
1¼"	GAM16	25
1½"	GAM21	25
2"	GAM26	10

4-Lug Female NPT Ends



Size	Plated Steel Part #	Optional Qty
1¼"	GAM18	25
1½"	GAM23	25
2"	GAM28	20

Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.

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Air King™ with Ferrule

Features:

- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- design provides quick, easy and effective coupling of air hose
- interlocking ferrule can be crimped or swaged to achieve maximum coupling sealing and retention with a low profile streamline appearance, for crimp or swage diameter recommendations go to dixonvalve.com
- for air and water service only

Size	Hose OD		Iron Part #	316 Stainless Steel Part #
	From	To		
1/2"	5/4"	1-2/64"	AM1WF	RAM1WF
3/4"	1-4/64"	1-22/64"	AM6WF	RAM6WF
1"	1-18/64"	1-34/64"	AM11WF-1	---
1"	1-30/64"	1-46/64"	AM11WF	---
2"	2-28/64"	2-40/64"	AM26WF 	---



Air King™ with Gauge Port

Features:

- drilled with 1/4" NPT port for mounting a gauge
- gauge sold separately

Size	Iron Part #	316 Stainless Steel Part #
3/4"	AM7T	RAM7T



Air King™ Couplings

Swivel Hose End

Features:

- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- interchanges with other Air King™ fittings
- includes a heavy-duty, free-turning joint that swivels under pressure to prevent hose kinking
- for air and water service only

Size	Iron Part #
3/4"	AM6SWIV



Swivel Male NPT Ends

Size	Iron Part #
1/2"	AM2SWIV
3/4"	AM7SWIV



Swivel Female NPT End

Size	Iron Part #
3/4"	AM8SWIV



Air King™ is for air and water service only Warning: Never use any Air King™ coupling for steam service! None of Dixon®'s catalog information is to be interpreted to mean that this type of coupling is suitable for use on steam hose.



LIBERTY EXHIBIT 1012, Page 289



Global Air King™ Ferrules

Features:

- low profile streamline appearance with maximum retention
- lightweight
- can be crimped
- designed for use with global Air King™ fittings on pages 283 to 284
- reference dixonvalve.com for crimp recommendations and ferrule OD ranges

Size	Ferrule ID	Plated Steel Part #
1/2"	0.906"	CCF0906
3/4"	1.120"	CCF1120
	1.149"	CCF1149
	1.190"	CCF1190
	1.218"	CCF1218
	1.246"	CCF1246
1"	1.438"	CCF1438
	1.469"	CCF1469
	1.500"	CCF1500
	1.531"	CCF1531

Air King™ Clamps



Features:

- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely effect clamp performance.
- for use with Air King™ ends on page 283 to 284



Hose ID	Hose OD		Plated Iron Part #	Torque ft. lbs.	Optional Qty
	from	to			
1/2"	1"	1-12/64"	A4	6	50
3/4"	1-8/64"	1-20/64"	A9 ²	21	50
1"	1-20/64"	1-32/64"	A10 ^{1, 2}	21	50
1"	1-32/64"	1-52/64"	A14	21	50

¹ can be used with **AM6** and **AM11**

² global investment cast carbon steel

Air King™ Accessories

Features:

- The use of an Air King™ safety clip or wire type retainer is necessary to ensure couplings will not become accidentally disconnected. This guarantees the fittings are properly connected as the pin will not go through the holes in the mating flanges until couplings are locked in place.
- only one Air King™ safety clip or wire type retainer is required for each Air King™ universal coupling
- sold in package quantities only

Standard Safety Clip

Feature:

- same size clip can be used for all coupling sizes

Wire Diameter	Part #	Pkg Qty
.080	AC1	25



Safety Pins

Feature:

- heavy duty, oversized

Wire Diameter	Part #
.058	AKSP1
.091	AKSP25



Synthetic Lanyard

Features:

- synthetic cord
- same size for all coupling sizes

Part #	Pkg Qty
ACL8	25



2-Lug Washers

Features:

- 2 lug couplings use the same size washer, part #'s **AWR4**, **AWS6**
- rubber temperature range: **-20°F to 160°F (-29°C to 71°C)**
- neoprene temperature range: **-20°F to 190°F (-29°C to 88°C)**
- neoprene is oil resistant

Material	Style	Part #	Pkg Qty
<i>rubber</i>	2 lug	AWR4 ¹	50
<i>neoprene</i>	2 lug	AWS6	50

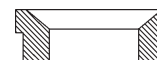
¹ made from Styrene-butadiene (SBR)



AWR4



AWS6



4-Lug Washer

Features:

- rubber temperature range: **-20°F to 160°F (-29°C to 71°C)**
- 4 lug couplings use the same size washer, part # **AWR14**

Material	Style	Part #
<i>rubber</i>	4 lug	AWR14



Sand Blast Couplings

Features:

- designed for use on sand blast hose
- supplied with screws
- nozzle holders have 1¼" NPSM thread
- pressure: 110 PSI at ambient temperature **70°F (21°C)**
- abrasive blasting equipment must have hose safety cables (page 362) or hose coupling safety locks installed to read safety clips



Installation:

- 1) Ends of hose must be cut square to fit snug against metal end.
- 2) Holding hose tight to end of fitting, insert screws and turn in full, putting screw 180° from first to ensure best centering.
- 3) After all screws have been placed, check tube opposite screws to be sure screws have not penetrated completely through.
- 4) On quick couplings, insert safety clips

Hose Ends



Hose Size	Hose OD	Brass Part #	Aluminum Part #
¾"	1-1/2"	BSB75	ASB75
1"	1-7/8"	BSB100	ASB100
1¼"	2-5/32"	BSB125	ASB125
1½"	2-3/8"	BSB150	ASB150

Nozzle Holders



Hose Size	Hose OD	Brass Part #	Aluminum Part #
¾"	1-1/2"	BNH75	ANH75
1"	1-7/8"	BNH100	ANH100
1¼"	2-5/32"	BNH125	ANH125
1½"	2-3/8"	BNH150	ANH150

Female Threaded Ends



Hose Size	Brass Part #	Aluminum Part #
1¼"	BSC125	ASC125
1½"	BSC150	ASC150

- does not include screws

Replacement Parts



black nitrile



urethane

Description	Part #
black nitrile replacement gasket	SBG
urethane replacement gasket	USBG
replacement screws for sand blast couplings (sold in package quantity of 8 only)	SBCS

Surelock™ Couplings

Applications:

- multi-purpose coupling for water and air, commonly used in construction and mining; excels in services where ease, economy, safety and speed are paramount

Features:

- pressure activated gasket allows for easy coupling (less than 15 lbs. of force is required to connect the coupling gaskets seal upon introduction of line pressure)
- working pressure: **200 PSI** at ambient temperature **70°F (21°C)**
- body: SG iron AS1831 400-250-12
- bellow seal: natural rubber (patent pending), other seal material available upon request
- safety pin is supplied with each coupling and is required as a safety precaution



Hose Ends

Head	Size	Part#	Optional Qty
small	3/8"	SL038H	50
	1/2"	SL050H	50
	3/4"	SL075H	50
	1"	SL100H	50
medium	1 1/2"	SL150H	15
	2"	SL200H	10



Male NPT Ends

Head	Size	Part#	Optional Qty
small	3/8"	SL038M	50
	1/2"	SL050M	50
	3/4"	SL075M	50
	1"	SL100M	50
medium	1 1/2"	SL150M	15
	2"	SL200M	15



Female NPT Ends

Head	Size	Part#	Optional Qty
small	3/8"	SL038F	50
	1/2"	SL050F	50
	3/4"	SL075F	50
	1"	SL100F	50
medium	1 1/2"	SL150F	15
	2"	SL200F	15



Hose End with Ferrules

Features:

- design provides quick, easy and effective coupling of air hose
- interlocking ferrule can be crimped or swaged to achieve maximum coupling sealing and retention with a low profile streamline appearance, visit dixonvalve.com for crimp recommendations
- Dixon® recommends that all hose assemblies be tested in accordance with ARPM testing procedures.
- working pressure: **200 PSI** at ambient temperature **70°F (21°C)**
- for air and water service only



Head	Size	Hose OD		Part #
		From	To	
small	1/2"	1/2"	1-1/32"	SL050CR
	3/4"	3/4"	1-11/32"	SL075CR
	1"	1"	1-23/32"	SL100CR



Surelock™ Couplings

Blank Ends



small blank end

medium blank end ¹

Head	Size	Part #	Optional Qty
small	½" to 1"	SL00	15
medium	1½" to 2"	SL01	3

¹ medium blank end comes with 1" NPT pipe plug

Three Way Connectors



small three way connector

medium three way connector ¹

Head	Size	Part #	Optional Qty
small	½" to 1"	SL09	15
medium	1½" to 2"	SL10	3

¹ medium three way connector comes with 1" NPT pipe plug

Safety Locking Pin

The use of a safety locking pin is necessary to ensure that Surelock™ couplings will not become accidentally disconnected. This guarantees that the fittings are properly connected as the pin will not go through the holes in both couplings until the couplings are locked into place.



Part #	Optional Qty
SLP1	25

Replacement Seals



medium

Head	Size	Part #
small	½" to 1"	SLR1
medium	1½" to 2"	SLR2

Dix-Lock™ N-Series Interchange Pneumatic Couplings

Features:

- temperature range: -40°F to 250°F (-40°C to 121°C)
- pressure rating: 300 PSI in brass, 500 PSI in steel and 303 stainless steel at ambient temperature 70°C (21°C)
- Bowes Interchange Bayonet Style
- Interchangeable with Bowes 51000-Series, National Series 'B', MacDonald Quick-Action, Campbell Single-Lock
- conforms to MIL-C-3486 and A-A-50431A standards

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety cables and check valves see pages 362 and 556.



Female Head x Female Threaded End Couplers

Body Size	Threads	Brass		Steel		303 Stainless Steel		316 Stainless Steel
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	Part #
1/2"	3/8"-18 NPTF	QB101	4NF3-B	QM101	4NF3	---	---	---
	3/8"-19 BSPP	---	---	---	4NBF3	---	---	---
	1/2"-14 NPTF	QB102	4NF4-B	QM102	4NF4	---	---	---
	1/2"-14 BSPP	---	4NBF4-B	---	4NBF4	---	---	---
	3/4"-14 NPTF	QB103	4NF6-B	QM103	4NF6	QSS103	4NF6-S	4NF6-SS NEW
	3/4"-14 BSPP	---	4NBF6-B	---	4NBF6	---	---	---
	1"-11 1/2 NPTF	QB105	4NF8-B	QM105	4NF8	---	---	4NF8-SS NEW
	1"-11 BSPP	---	4NBF8-B	---	4NBF8	---	---	---



brass



steel



303/316 stainless

Male Head x Female Threaded End Plugs

Body Size	Threads	Brass		Steel		303 Stainless Steel		316 Stainless Steel
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	Part #
1/2"	3/8"-18 NPTF	QB81	N4F3-B	QM81	N4F3	---	---	---
	3/8"-19 BSPP	---	---	---	N4BF3	---	---	---
	1/2"-14 NPTF	QB82	N4F4-B	QM82	N4F4	---	---	---
	1/2"-14 BSPP	---	N4BF4-B	---	N4BF4	---	---	---
	3/4"-14 NPTF	QB83	N4F6-B	QM83	N4F6	QSS83	N4F6-S	N4F6-SS NEW
	3/4"-14 BSPP	---	N4BF6-B	---	N4BF6	---	---	---
	1"-11 1/2 NPTF	QB85	N4F8-B	QM85	N4F8	---	---	N4F8-SS NEW
	1"-11 BSPP	---	N4BF8-B	---	N4BF8	---	---	---



brass



steel



303/316 stainless

Male Head x Female Threaded End Safety Lock Plugs

Body Size	Threads	Brass Part #
1/2"	1/2" - 14 NPTF	N4F4-B-LS
	3/4" - 14 NPTF	N4F6-B-LS



Dix-Lock™ N-Series Interchange Pneumatic Couplings

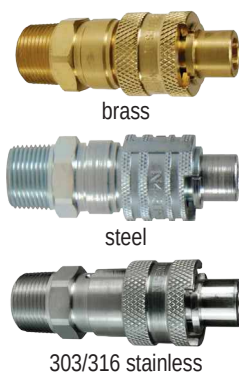
Female Head x Male Threaded End Couplers



303/316 stainless

Body Size	Threads	Brass		Steel		303 Stainless Steel		316 Stainless Steel
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	
3/8"	1/2" - 14 NPTF	---	---	QM60	3NM4	---	---	---
	1/2" - 14 BSPT	---	---	---	3NBM4	---	---	---
1/2"	3/8" - 18 NPTF	QB61	4NM3-B	QM61	4NM3	---	---	---
	3/8" - 19 BSPT	---	---	---	4NBM3	---	---	---
	1/2" - 14 NPTF	QB62	4NM4-B	QM62	4NM4	---	---	---
	1/2" - 14 BSPT	---	4NBM4-B	---	4NBM4	---	---	---
	3/4" - 14 NPTF	QB63	4NM6-B	QM63	4NM6	QSS63	4NM6-S	4NM6-SS
	3/4" - 14 BSPT	---	4NBM6-B	---	4NBM6	---	---	---
	1" - 11 1/2 NPTF	QB65	4NM8-B	QM65	4NM8	---	---	4NM8-SS
	1" - 11 BSPT	---	4NBM8-B	---	4NBM8	---	---	---

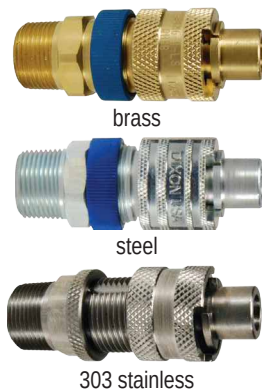
Male Head x Male Threaded End Plugs



303/316 stainless

Body Size	Threads	Brass		Steel		303 Stainless Steel		316 Stainless Steel
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	
3/8"	1/2" - 14 NPTF	---	---	QM40	N3M4	---	---	---
	1/2" - 14 BSPT	---	---	---	N3BM4	---	---	---
1/2"	3/8" - 18 NPTF	QB41	N4M3-B	QM41	N4M3	---	---	---
	3/8" - 19 BSPT	---	---	---	N4BM3	---	---	---
	1/2" - 14 NPTF	QB42	N4M4-B	QM42	N4M4	---	---	---
	1/2" - 14 BSPT	---	N4BM4-B	---	N4BM4	---	---	---
	3/4" - 14 NPTF	QB43	N4M6-B	QM43	N4M6	QSS43	N4M6-S	N4M6-SS
	3/4" - 14 BSPT	---	N4BM6-B	---	N4BM6	---	---	---
	1" - 11 1/2 NPTF	QB45	N4M8-B	QM45	N4M8	---	---	N4M8-SS
	1" - 11 BSPT	---	N4BM8-B	---	N4BM8	---	---	---

Male Head x Male Threaded Safety Lock End Plugs



303 stainless

Body Size	Threads	Brass		Steel		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2" - 14 NPTF	QB66	N4M4-B-LS	QM66	N4M4-LS	---	---
	1/2" - 14 BSPT	---	---	---	N4BM4-LS	---	---
	3/4" - 14 NPTF	QB88	N4M6-B-LS	QM88	N4M6-LS	---	N4M6-S-LS
	3/4" - 14 BSPT	---	---	---	N4BM6-LS	---	---

Female Head x Standard Hose Barb Couplers



303/316 stainless

Body Size	Hose ID	Brass		Steel		303 Stainless Steel		316 Stainless Steel
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	
3/8"	1/2"	---	---	QM20	3NCS4	---	---	---
1/2"	3/8"	QB21	4NS3-B	QM21	4NS3	---	---	---
	1/2"	QB22	4NS4-B	QM22	4NS4	---	---	---
	3/4"	QB23	4NS6-B	QM23	4NS6	QSS23	4NS6-S	4NS6-SS
	1"	QB25	4NS8-B	QM25	4NS8	---	4NS8-S	4NS8-SS

Dix-Lock™ N-Series Interchange Pneumatic Couplings

Male End x Hose Barb Plugs

Body Size	Hose ID	Brass		Steel		303 Stainless Steel		316 Stainless Steel
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #	Part #
3/8"	1/2"	---	---	QM1	N3CS4	---	---	---
1/2"	3/8"	QB2	N4S3-B	QM2	N4S3	---	---	---
	1/2"	QB3	N4S4-B	QM3	N4S4	---	---	---
	3/4"	QB4	N4S6-B	QM4	N4S6	QSS4	N4S6-S	N4S6-SS
	1"	QB5	N4S8-B	QM5	N4S8	---	N4S8-S	N4S8-SS



brass



steel



303/316 stainless

Pneumatic Fittings

Male End x Hose Barb Safety Lock Plugs

Body Size	Hose ID	Previous Part #	Brass	Previous Part #	Steel	303 Stainless Steel Part #
			Part #		Part #	
1/2"	1/2"	QB33	N4S4-B-LS	QM33	N4S4-LS	---
	3/4"	QB44	N4S6-B-LS	QM44	N4S6-LS	N4S6-S-LS



brass



steel



303 stainless

Gender Change Union

Body Size	Configuration	Previous Part #	Steel
			Part #
1/2"	coupler to coupler	QM0	4N4N



Caps

Body Size	Cap Lanyard	Previous Part #	Brass	Previous Part #	Steel
			Part #		Part #
1/2"	steel cable	QBCAP	N4DC-B	QMCAP	N4DC



Seals

Body Size	Coupler Style	Previous Part #	Nitrile	FKM Part #
			Part #	
3/8"	all	QBM1	3N-SKIT	---
1/2"	all	QBM2	4N-SKIT	F-4N-SKIT



Dix-Lock™ N-Series Interchange Pneumatic Coupler with Ferrule

Features:

- working pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- for crimp recommendations visit dixonvalve.com
- also available in stainless steel, contact Dixon® for further information

Materials:

- machined components are manufactured using solid steel, brass, or 303 stainless steel bar stock
- stainless steel retaining ring and spring maximize corrosion resistance and extend service life
- steel componentry is plated using ROHS Compliant Trivalent Chrome

Interchange Data:

- Bowes Interchange Bayonet Style
- interchangeable with Bowes 51000-Series, National Series 'B', MacDonald Quick-Action, Campbell Single-Lock

Seal Components:

- Nitrile (Buna-N) pneumatically energized seals are standard, temperature range **-40°F to 250°F (-40°C to 121°C)**

Female Head with Ferrule

Body Size	Hose ID	Hose OD		Plated Steel		Brass	
		From:	To:	Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	54/64"	1-2/64"	QM22WF	4NS4-WF	QB22WF	4NS4-B-WF
	3/4"	1-10/64"	1-22/64"	QM23WF	4NS6-WF	QB23WF	4NS6-B-WF

Male Head with Ferrule

Body Size	Hose ID	Hose OD		Plated Steel		Brass	
		From:	To:	Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	54/64"	1-2/64"	QM3WF	N4S4-WF	QB3WF	N4S4-B-WF
	3/4"	1-10/64"	1-22/64"	QM4WF	N4S6-WF	QB4WF	N4S6-B-WF

Male Locking Head with Ferrule

Body Size	Hose ID	Hose OD		Plated Steel		Brass	
		From:	To:	Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	54/64"	1-2/64"	QM33WF	N4S4-LS-WF	QB33WF	N4S4-B-LS-WF
	3/4"	1-10/64"	1-22/64"	QM44WF	N4S6-LS-WF	QB44WF	N4S6-B-LS-WF

Dual-Lock™ P-Series Pneumatic Couplings

Features:

- interchanges with National A type, Campbell Double-Lock and Thor PHC series couplings
- spring loaded interlocking engagement
- optional locking key prevents sleeve retraction
- working pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- Nitrile (Buna-N) seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**
- steel componentry is plated using ROHS compliant trivalent chrome

Female Thread Couplers

Body Size	Threads	Brass		Steel		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #
1/2"	3/8" - 14 NPTF	---	---	PFL8	4PF4	---	---
	3/4" - 14 NPTF	---	4PF6-B	PFL12	4PF6	PFL12SS	4PF6-S



brass



steel



303 stainless

Female Thread Plugs

Body Size	Threads	Brass		Steel		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #
1/2"	3/8" - 18 NPTF	---	---	PF6	P4F3	---	---
	1/2" - 14 NPTF	PFB8	P4F4-B	PF8	P4F4	---	---
	3/4" - 14 NPTF	PFB12	P4F6-B	PF12	P4F6	PF12SS	P4F6-S
	3/4" - 14 NPTF	---	---	---	P4F6-9¹	---	---
	1" - 11 1/2 NPTF	PFB16	P4F8-B	PF16	P4F8	---	---

¹ steel/PTFE coating

brass



steel



303 stainless

Male Thread Couplers

Body Size	Threads	Steel		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #
1/2"	3/8" - 18 NPTF	PML6	4PM3	---	---
	1/2" - 14 NPTF	PML8	4PM4	---	---
	3/4" - 14 NPTF	PML12	4PM6	PML12SS	4PM6-S
	3/4" - 14 NPTF	---	4PM6-9¹	---	---
	1" - 11 1/2 NPTF	---	4PM8	---	---

¹ steel/PTFE coating

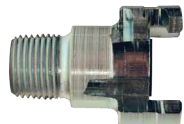
steel



303 stainless



brass



steel



303 stainless

Dual-Lock™ P-Series Pneumatic Couplings

Male Thread Plugs

Body Size	Threads	Brass		Steel		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #
1/2"	3/8"-18 NPTF	---	---	PM6	P4M3	---	---
	1/2"-14 NPTF	PMB8	P4M4-B	PM8	P4M4	---	---
	3/4"-14 NPTF	PMB12	P4M6-B	PM12	P4M6	PM12SS	P4M6-S
	3/4"-14 NPTF	---	---	---	P4M6-9¹	---	---
	1"-11 1/2 NPTF	PMB16	P4M8-B	PM16	P4M8	---	---

¹ steel/PTFE coating

Hose Barb Couplers



brass



steel



303 stainless

Body Size	Hose ID	Brass		Steel		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #
1/2"	3/8"	---	---	PHL6	4PS3	---	---
	1/2"	---	4PS4-B	PHL8	4PS4	---	---
	3/4"	PHLB12	4PS6-B	PHL12	4PS6	PHL12SS	4PS6-S
	3/4"	---	---	---	4PS6-9¹	---	---
	1"	PHLB16	4PS8-B	PHL16	4PS8	---	---

¹ steel/PTFE coating

Hose Barb Coupler with Knurled Flanged Sleeves

Feature:

- large, raised collar sleeve permits easier handling when wearing gloves



Body Size	Hose ID	Trivalent Chrome Plated Steel	
		Previous Part #	Part #
1/2"	3/8"	PHL6FS	4PS3-FS
	1/2"	PHL8FS	4PS4-FS
	3/4"	PHL12FS	4PS6-FS
	3/4"	---	---

Male Thread Coupler with Knurled Flanged Sleeves



Body Size	Threads	Trivalent Chrome Plated Steel	
		Previous Part #	Part #
1/2"	3/8"-18 NPTF	PML6FS	4PM3-FS
	1/2"-14 NPTF	PML8FS	4PM4-FS
	3/4"-14 NPTF	PML12FS	4PM6-FS
	3/4"-14 NPTF	---	---

Female Thread Couplers with Knurled Flanged Sleeves



Body Size	Threads	Trivalent Chrome Plated Steel	
		Previous Part #	Part #
1/2"	1/2"-14 NPTF	PFL8FS	4PF4-FS
	3/4"-14 NPTF	PFL12FS	4PF6-FS