



Solutions.
Service.
Selection.

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OUR PATH TO UNCOMMON EXCELLENCE

MISSION TO DELIGHT

Working together to delight our customers and generate profit.

VISION FOR TODAY AND TOMORROW

- Lead in our chosen markets by setting and achieving ambitious goals.
- Provide quality products, rapid delivery, and superior customer service worldwide.
- Encourage and assist all employees to reach their full potential with opportunities to influence the decision making process.
- Be accountable for executing our plans.

**ENDURING
VALUES
SINCE
1916**

*"As long as we
focus on people,
product and service,
everything else will
fall into place and
we will achieve*

**Uncommon
Excellence."**

- R.L. Goodall



**RESPECT
CITIZENSHIP
RESPONSIBILITY
CARING
FAIRNESS**



Real Solutions for Real Challenges

Dixon Valve

A History

In 1916, Howard W. Goodall founded Dixon Valve and Coupling Company after observing the hose and coupling needs of construction sites.

With a passion for coupling design, Goodall created the company to manufacture durable product solutions for the mining, oil and construction industries.

Goodall's most remarkable achievements were the patented "BOSS" and "ROTARY HOSE COUPLING" in 1917. Today, Dixon is headquartered in Chestertown, Maryland, and has become a leading innovator and provider of hose and coupling solutions worldwide.

Now under its 5th Generation of Goodall leadership and operating for over a century, Dixon has built an unsurpassed reputation for producing safe and leak-free products.

Over the years, Dixon has expanded its product line through acquisitions, thus consolidating its position as a market leader. The Group now offers one of the broadest range of products across a plethora of industries, backed by a global network of distribution centres.

Dixon's commitment to product innovation, customer service, and evolving technologies remains at the core of its values.

Dixon Group Europe

A Leading Manufacturer and Supplier of fluid transfer solutions

Since 1975, Dixon Europe has been providing top-quality material transfer products across a variety of industries, including mining, oil & gas, agriculture, food & beverage, petrochemical, civil engineering, and construction.

Our sales, manufacturing and distribution centres can be found in the UK, Germany, Middle East and the Caspian, with manufacturing and engineering facilities approved to BSI ISO 9001.

Drawing on our practical knowledge and cutting-edge technologies, we strive to create innovative products that solve a wide range of material transfer challenges.

Our goal at Dixon Europe is to provide the ideal hose and coupling solutions to meet the specific needs of all industries.

We are committed to delivering "the right connection" to our customers through our technical support, training, and advice to ensure that the correct specifications of bespoke hose assemblies and couplings are met.



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The Right Connection®

The Petrochemical Life Cycle

Dixon Products for
Safe & Reliable Fluid Transfer



TERMINAL



ROAD



RETAIL

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Cam & Groove

The Dixon cam & groove coupling is a reliable quick connect coupling for use on hose, pipe, tubing and tanks conveying a wide variety of liquids, dry bulk materials, and vapours, including cooling water, fuels, chemicals, cosmetics, food products, adhesives, dyes, pharmaceuticals, pellets and much more.



Specifications on Dixon® Cam & 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 1/2", 5", and 8" fittings, and generally these sizes do not interchange with other manufacturers' products.
- 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 **21°C (70°F)** with standard nitrile rubber 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 pressures are as follows:



Size	1/2"	3/4" thru 2"	2-1/2"	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

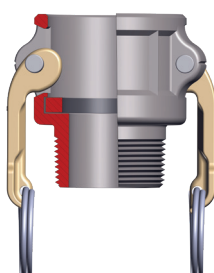
Under no circumstances should cam & groove couplings be used for compressed air or steam service!

Cam & Groove Configurations

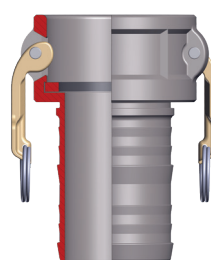
Configurations are representative of the Dixon® line of cam & groove.



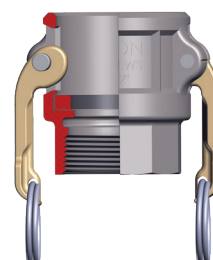
Type A
adapter x female NPT



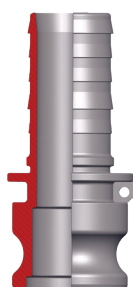
Type B
coupler x male NPT



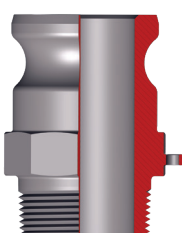
Type C
coupler x hose shank



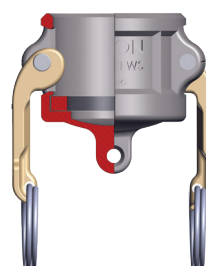
Type D
coupler x female NPT



Type E
adapter x hose shank



Type F
adapter x male NPT



Type DC
dust cap



Type DP
dust plug

Dixon® Cam & Groove Styles



Dixon

Features

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



Dixon Global

Features

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



Boss-Lock

Features

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



EZ Boss-Lock

Features

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

Dixon® Cam & Groove Styles



Vent-Lock® Safety

Features

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

New



Venting EZ Boss-Lock

Features

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

New



Swivel

Features

- Live swivel is capable of 360-degree rotation under pressure
- Nitrile rubber X-ring seals for reduced friction and high stability in dynamic applications
- Couplers include EZ Boss-Lock cam arms

King Crimp System

Dixon's King Crimp system helps eliminate improper crimp dimensions as the proper hose O.D. and crimp recommendations are etched on the sides of most Dixon ferrules and sleeves, making it far easier and quicker to grab the right ones for the job, without using a crimp chart. For further details on the benefits of the King Crimp System visit our website



Applications

Fittings suitable for chemical and slurry transfer, bottom unloading rail cars and the transfer of crude oil and by products among other petrochemical applications.

King Crimp EZ Boss-Lock Type C Couplers



Features

- When used with King crimp sleeves and ferrules, creates assembly reliability
- Positive lock handles - prevent accidental uncoupling
- Handles lock automatically when closed
- Handles available in forged brass or investment cast stainless steel to meet chemical requirements

Material

316 stainless steel

Sizes

Available in 1" - 6".

King Crimp Type C Couplers and Adapters



Features

- When used with King crimp sleeves and ferrules, creates assembly reliability
- Handles offered in forged brass or investment cast stainless steel to meet chemical requirements

Material

Aluminium, brass or 316 stainless steel

Sizes

Available in 1" - 6".

King Crimp King Combination Nipples



Features

- Recommended for low-pressure discharge and suction service
- Working pressure varies with size
- Available in combinations including male NPT, beveled and grooved

Material

Aluminium, brass or 316 stainless steel

Sizes

Available in 1" - 6".

Crimp Style Sleeves & Ferrules



Features

- For use with the King crimp system.

Material

Carbon steel or 304 stainless steel

Sizes

Available in 1" - 12".

Air King™ Universal Couplings Air Hose Couplings



This form of energy can be one of the most dangerous because it is used in so many applications and when mishandled, can have more serious results than fluids. Air, as a gas, is compressible (fluids press only against hose or vessel walls and lose little volume under pressure). When pressurised air releases suddenly, it does so with explosive force and can cause rapid hose whip, which can do serious physical harm to personnel or damage to nearby objects.

This is why the selection of proper hose and couplings for air-lines is so important, along with their proper installation and maintenance. Never take for granted that a coupling is installed properly or a clamp fully tightened on an air hose – check it regularly and use safety devices (see King Cable Hose Restraint Section).



Air King™ universal couplings can be recommended for 10 bar (150psi) working pressure at ambient temperature (21°C / 70°F). It is recommended that an Air King™ safety clip or wire restrainer is used to avoid accidental disconnection.

Also a King cable should be standard practice on the supply end of the hose. Boss or Air King™ interlocking type bolt clamps should be used and both components of an Air King™ assembly should be Dixon products standard Air King™ fittings are fitted with AWR4 washers.

Air King™ is also available to meet MIL spec. WWC-633D.

4-lug King quick-acting couplings may only be used in conjunction with an Air King™ Safety Clip.



Note: Air King™ is for Air and Water service only.
NEVER use any "Air King™" for STEAM SERVICE.



Dixon Quick Couplings Blow Out Prevention (BOP)



Application

- Designed specifically for blowout prevention systems on drilling rigs. The couplers are used to attach hydraulic hoses from the accumulator to the BOP stack

Features

- Fire tested and Lloyd's certified to **700°C (1300°F)** in accordance with API 16D, certificate available upon request
- Certified at a test pressure of **5,000 PSI**
- Red powder-coated components and external seals provide easy BOP-approved identification
- Critical seals are FKM

VEP-BOP-Series:

Thread-to-connect flushface interchange
3/8" to 1-1/2" in steel

H-BOP-Series:

ISO-B interchange
3/8" to 1" in steel and
316 stainless

WS-BOP-Series:

Snap-tite/Parker 75 Interchange,
DNP VFF-HD BOP Series
3/4" to 2" in steel and
316 stainless steel

WS Series (High Pressure Wingstyle)



Application

Extensively used in oilfield and off shore oil rig applications where higher pressures may be present

Features

- Sleeve is cast using a unique process that provides improved surface finishes, tighter tolerance control and excellent repeatability
- Heavy duty hammer lugs are designed to provide optimum durability during connection and disconnection
- Seals are easily field replaceable, including the valve seal, which can be replaced without replacing the whole valve
- Comply with applicable Det Norske Veritas North Sea standards for coupling applications

Material

Coupler and nipple: steel, 316 stainless.
Dust plug and cap: Aluminium body with stainless steel bead chain.

Sizes

Available in 3/4", 1", 1 1/4", 1 1/2" and 2".

VEP Series (High Pressure Threaded Flushface)

Application

Used in a variety of drilling rig applications and hydraulic power units where the ability to connect and disconnect under pressure is necessary

Features

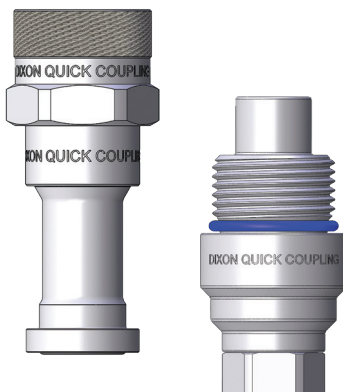
- No spill, threaded, flush face design
- Connectable under pressure
- Patented valve retention system minimised pressure drop and maximises disconnected pressure performance
- Corrosion resistant

Material

ROHS compliant Trivalent chrome plated steel

Sizes

Available in 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" and 2".





H Series (ISO16028 Flushface Interchange)

Application

Double shut-off coupling used in a wide variety of hydraulic applications where fluid transfer lines need to be connected and disconnected with minimal fluid loss

Features

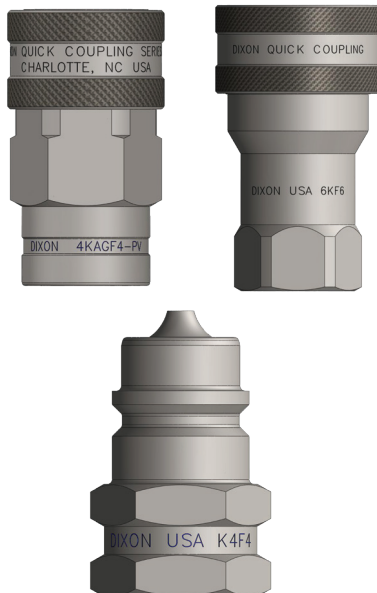
- Couplers and nipples comply with ISO7241, Series B
- Wide variety of body and seal materials and thread configurations maximise compatibility in a variety of applications
- Large diameter heavy duty knurled sleeves are designed to resist brinelling and maximise performance under impulse conditions

Material

Coupler and nipple: steel, brass, 303 stainless, 316 stainless.

Sizes

Available in 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1 1/4" and 1 1/2"



K Series (ISO7241 Series A Interchange)

Application

One of the most popular hydraulic coupling styles worldwide, a general purpose double shut-off used to connect hydraulic tools.

Features

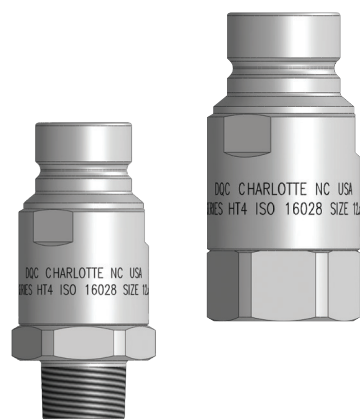
- Couplers and nipples comply with ISO7241 Series A
- Couplers have a high concentration of locking balls to reduce incidents of brinelling during operation
- Heavy duty knurled sleeves are designed to resist brinelling (to create round indentations in a metal surface) and maximise performance under impulse conditions
- Wide variety of thread configurations maximise compatibility in a variety of applications

Material

Coupler and nipple: steel
Dust plug and cap: elastomer body and lanyard

Sizes

Available in 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" and 2"



HT Series (ISO16028 Flushface Interchange)

Application

No-spill flush face design eliminates air inclusion during connection on various hydraulic tools and other hydraulic systems

Features

- Patented coupler-stem retention system provides optimum performance during surge flow, burst and impulse pressure
- Couplers have a high concentration of locking balls to reduce incidents of brinelling during operation
- Couplings designed to exceed 1,000,000 cycles during impulse testing, making them ideal for hammers
- Heavy duty grooved sleeves are versatile, rugged and ideal for bulkhead mounting
- Wide selection of seal and body materials provides optimum versatility in a variety of applications

Material

Coupler and nipple: steel, 316 stainless
Dust plug and cap: elastomer body and lanyard

Sizes

Available in 3/8", 1/2", 5/8", 3/4" and 1"

ST Series (Snap-tite® 71 Interchange)

Application

Use in hydraulic applications where a no-spill coupling with higher working pressures and toughness is required

Features

- Heavy duty grooved sleeves provide bulkhead mounting options and reduce instances of brinelling
- Designed to exceed 1,000,000 cycles during impulse pressure conditions
- Couplings comply with applicable Det Norske Veritas North Sea standards for coupling applications
- Available in a wide variety of materials, including high pressure stainless steel configurations upon request

Material

Coupler and nipple: steel, 316 stainless
Dust cap: aluminium body with stainless steel bead chain

Sizes

Available in ¼", ⅜", ½", ¾", 1" and 2"



W Series (Wing Style Interchange)

Application

Widely used to connect hydraulic lines on oilfield equipment such as tongs, swivels, and other drill rig applications

Features

- Threaded wing or hex sleeves enable easy connection and disconnection while under pressure
- O-ring connected marker is highly visible during connection, and helps keep contaminants out of the threads while connected
- Coupler has a high flow tubular valve designed to reduce pressure drop and turbulence while improving flow performance bulkhead mounting kits available to secure nipples for simplified connection and disconnection
- Flanged bonded seal prolongs coupling life and is integral in the reduction of spillage and air inclusion

Material

Coupler and nipple: brass, steel wing nut
Dust plug and cap: brass body with stainless steel bead chain.
Nipple mounting flange: steel.

Sizes

Available in ¾", 1", 1¼" and 1½"



T Series (High Pressure Screw-Together Interchange)

Application

Designed for extreme high pressure applications such as hydraulic rams and pumps where PSI up to 10,000 is possible

Features

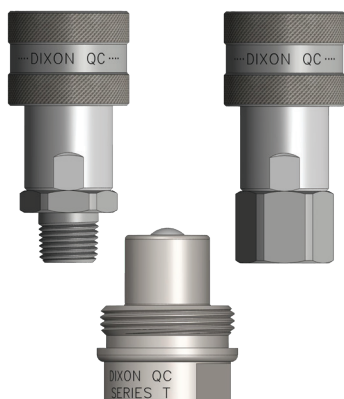
- Threaded sleeve allows connection and disconnection while coupler and/or nipple are under pressure
- Urethane seal resists extrusion under high pressure during connection and disconnection

Material

Coupler and nipple: steel, 316 stainless
Dust plug and cap: steel body with steel chain lanyard

Sizes

Available in ¼" and ⅜"





V/VH Series (Snap-tite® H / IH Interchange)

Application

Used for hydraulic as well as pneumatic oil and gas applications where there is a high rate of impulse, such as pneumatic tools

Features

- Couplers have a high concentration of locking balls to reduce incidents of brinelling during operation
- Couplers and nipples comply with MIL-C-51234
- Large diameter heavy duty knurled sleeves are designed to maximise performance under impulse conditions
- Available in single shut-off, double shut-off, or straight through configurations with a wide selection of end connections

Material

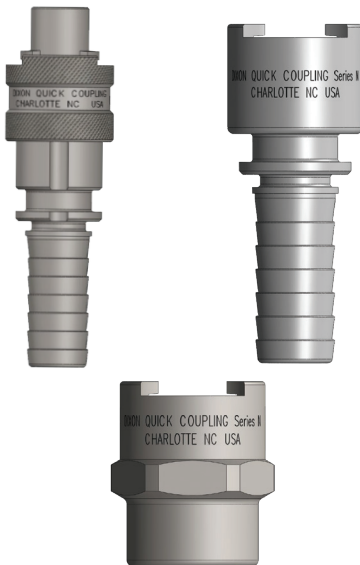
Coupler and nipple: steel, brass, 316 stainless.

Rigid dust plug and cap: aluminium body with stainless steel bead chain.

Sizes

Available in ¼", ⅜", ½", ¾", 1" and 2"

N Series (Bowes 51000 and MacDonald Interchange)



Application

Designed for applications such as compressed air or inert gas at Oil Refineries and Chemical Plants for Nitrogen Service. Other application usages are Pneumatic tools and fire hose service

Features

- Smooth collar connection and disconnection
- Pneumatically energised seal provides an airtight seal at all working pressure
- 'Push-Twist and Click' sleeve action
- Optional safety lock-ring for accidental disconnection
- Hose Barb and Staked Ferrule options available

Material

Coupler and nipple: steel, 316 stainless, brass.

Dust plug and cap: steel body with steel chain lanyard

Sizes

Body Sizes: ⅜" and ½"

Thread Sizes: ⅜", ½", ¾", 1", 1½"

P Series (Thor Finger Lock Interchange)

Application

Designed for applications such as compressed air systems at Oil Refineries and Chemical Plants. Other application usages are Pneumatic tools and fire hose service

Features

- Interlocking connection with single or dual locking sleeves for security
- 'Push-Twist' connection provides positive locking
- Optional safety-lock clip protects against accidental disconnection

Material

Coupler and nipple: steel, 316 stainless, brass.

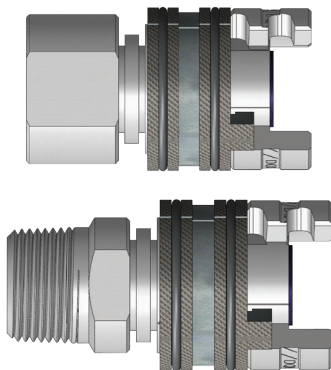
Dust plug and cap: steel body with steel chain lanyard

Sizes

Body Size: ½"

Thread Sizes: ⅜", ½", ¾", 1", 1½"

Hose barb and Staked Ferrules are optional. Sleeve option for Sleeve Flange



Modular Connection System (MCS)

Applications

- Agricultural, automotive, demolition, die casting, mobile construction equipment, oil & gas, railroad, snow & ice removal, steel, forestry, and mining

Sizes

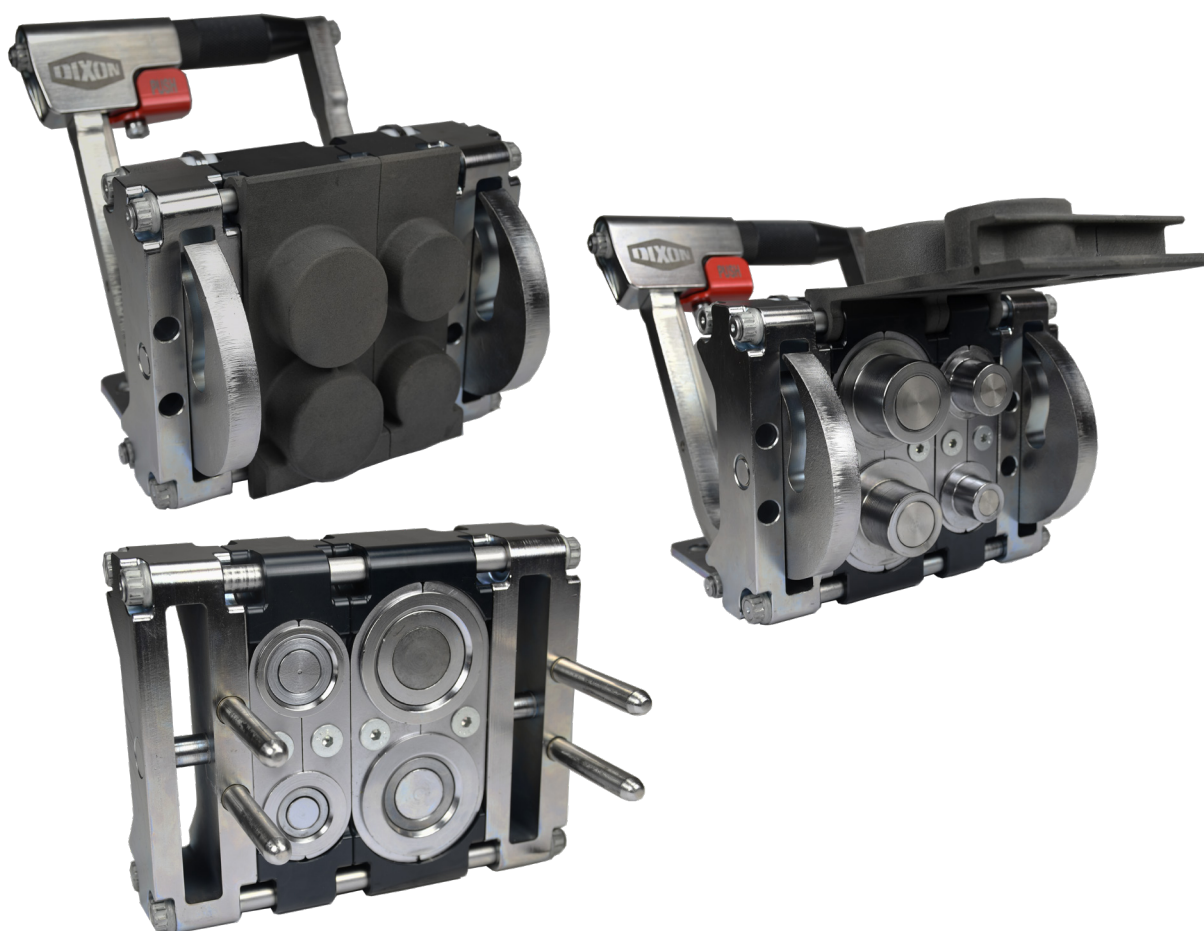
- 3/8", 1/2", 3/4", and 1"

Features

- A single system that holds multiple hydraulic quick couplings
- Modularity: Blocks can be configured to meet customer needs (patent pending)
- Innovative coupling retention system for easy field repair (patent pending)
- Versatile: Up to 10 couplings can be used at once depending on size
- 450+ configurations possible
- 17-4 stainless steel alignment pins maximize corrosion resistance
- Cam-style latching mechanism helps provide a smooth connection
- HTE (male) and HTZ (female) coupling technology enables connections under residual pressure

Approvals

- All working configurations approved **3000 PSI** working pressure



Dixon Clamps

Dixon™ Worm Gear Clamps



Features

- Clamp meets SAEJ1508, which supercedes Mil Spec WW-C-440B
- Four-piece construction
- Screw design: 8mm slotted hex head
- Maximum recommended torque: 30 in./lbs.
- All clamps sold 10 per box

Material

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

Dixon™ 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

Material

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

Dixon™ HTML 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

Material

- Band and housing: 300 series half hard stainless
- Screw: 410 stainless steel screw

Quick Release Worm Gear Clamps



Features

- Suggested installation torque 25-35 in./lbs.; maximum recommended torque 50 in./lbs.
- Band and housing: 201 series stainless
- Screw design: 5/16" slotted hex head

Material

Style LS material:

- Screw: plated hardened carbon steel

Style LSS material:

- Screw: SAE 410 series stainless

Dixon Clamps

Single Bolt Super Clamp



Material

- Band and bridge: carbon steel
- Screw: 8.8 grade steel
- Zinc plate
- Also available in stainless steel

K Series Band Style Clamps



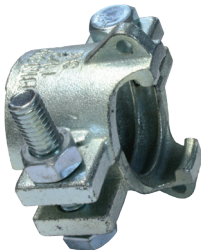
Features

- Can be center punched or rolled over; install with the center punch or roll over tools
- Fast-Lok™ tools: F1, F40, F100
- Super Strap Tools: 51960 screw action with 51970 adaptor
- Bandit®: S100 air tool with S180 Jr. head, C-001 hand tool with J001 Jr. adaptor, 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"

Material

On stainless clamps, bands are 300 series stainless steel, buckles are 302 series stainless steel

Minsup™ Safety Claw Clamps



Material

- SG Iron ISO 1083

Protection

- Zinc plated

Protection

- Inserts in 1/2", 3/4" and 1" clamps are made from nylon

Air King™ Double Bolt 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

Clockwise Wound Spiral Clamps



Features

- For use on convoluted cover hose
- Clockwise & Counter Clockwise options available
- 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.

Dixon Clamps

Two Bolt Saddle Clamp



Material

- 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.

Double Bolt Super Clamp



Material

- 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 affect clamp performance

Safety Clamps BS EN 14420-3:2004



Material

- Available in aluminium and stainless.
- Hose safety clamps forged to DIN 2817 specifications.

Boss™ Clamps



Material

- Recommended for steam service up to 232°C (450°F)
- Recommended torque rating in ft./lbs.
- 2 Bolt and 4 bolt styles
- Replacement nuts and bolts are available

Clever Clamp

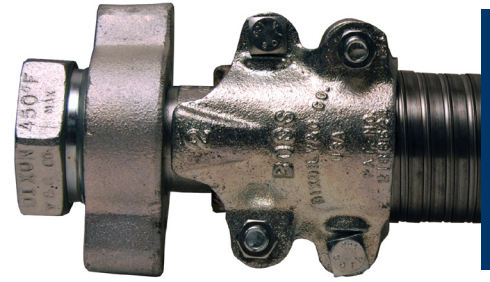


Material

- Consistent, controlled compression of gasket with every use
- For use on sanitary clamp connections
- Adjustable for both rubber and PTFE style gaskets
- ASME BPE capable
- Fast installation, no torquing tools required
- Lockout ready design
- Self-locking lever and color-coding options available

Boss™ Coupling System

Boss™ couplings are all-purpose hose couplings, universally recommended for steam hose connections. They are also widely used for air, water, fluid petroleum chemicals, and liquid petroleum gas up to 1" ID. Boss™ couplings can be applied to many types of rubber, synthetic, plastic, metallic, or semi-metallic hose.



Application

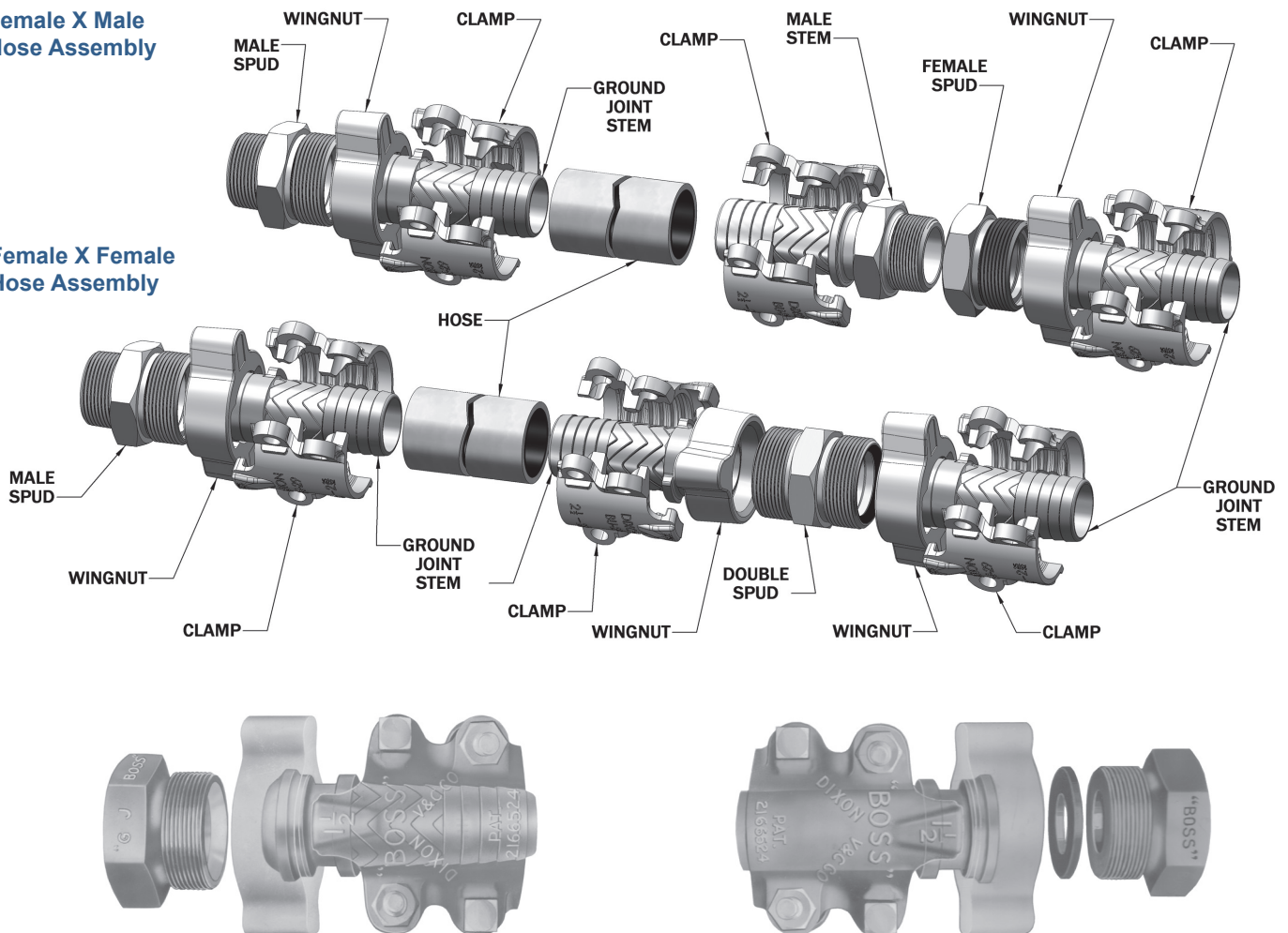
- Boss™ couplings supply a convenient threaded fitting needed to connect two lengths of hose, or a single length to a male or female threaded (NPT/ BSP) outlet.

Features

- The spud part of the coupling serves as one half of the connection and is usually fixed to the equipment. The stem part that is clamped to the hose is the other half. The two halves are connected or disconnected by rotating the wing nut on the spud. When connected, they achieve a mechanical as well as a pressure seal.

Female X Male Hose Assembly

Female X Female Hose Assembly



GROUND JOINT Positive Metal-to-Polymer Seal

- A leakproof seal is formed when the metal head of the stem makes contact with the patented polymer seat in the spud
- The non-metallic polymer seat resists most chemicals found in manufacturing facilities
- Recommended for steam service up to **230°C (446°F)**
- Easy to seal
- Plated steel and/or malleable iron
- Use with Dixon™ Boss™ clamps, refer to pages 109-110

Washer Type

- A Klinger washer is inserted between the stem and spud
- A leak proof seal is formed by rotating the wing nut and hammering it tight
- Plated steel and/or malleable iron

Boss® Crimp Steam Fittings

Designed and tested by Dixon®, the company that's been manufacturing Boss system fittings since 1916.

Applications

- Safe and reliable steam fittings designed, tested, and Dixon approved for use for delivering steam to process equipment, steam heating, and heat trace: Continental Flexsteel® 250, Gates Plant Master® Steam, and Texcel® Tex-Steam

Sizes

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

Features

- No-skive fitting system for ease of fabricating hose assemblies
- Bite-the-wire crimp ferrules for long-lasting fitting retention
- Positive metal-to-polymer seal in ground joint couplings
- Non-metallic polymer seal resists most chemicals found in manufacturing facilities
- Leak-proof seal forms when metal head of the stem makes contact with the patented polymer seat in the spud

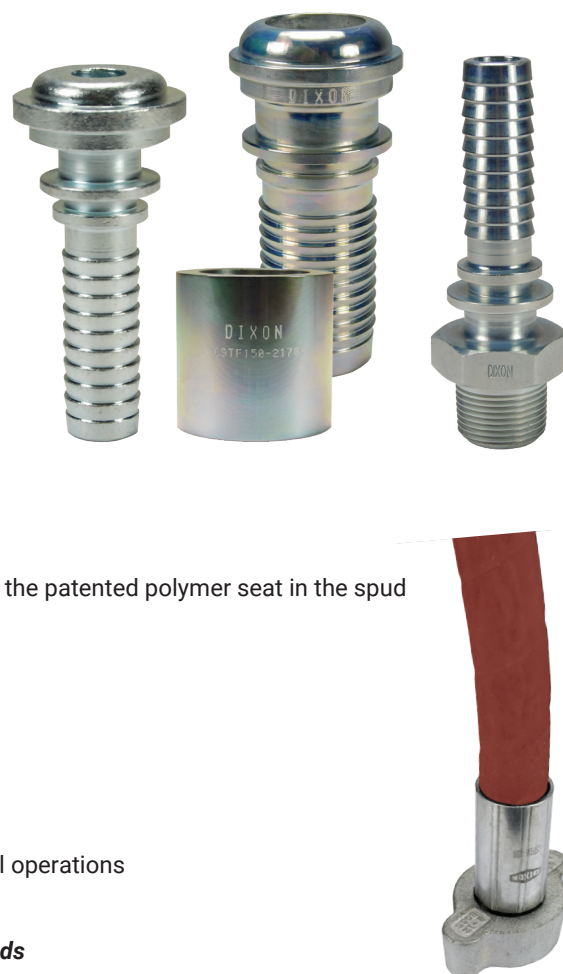
Materials

- Stem: zinc plated carbon steel
- Ferrules: zinc plated carbon steel
- Stainless steel stems and ferrules available on made-to-order requests

Specifications

- Temperature range: -40°C to 232°C (-440°F to 450°F)
- Tested per ISO 6134:2017
- Test methodology simulates transfer applications as defined in industrial operations
- Dixon steam test methodology and parameters available on request

NOTE: Boss Crimp steam fitting coupling procedures for specific hose brands are available on europe.dixonvalve.com



Agri-lock Quick Connect Fittings

Applications

- Used in the transfer of crude oil, drilling mud, brine water and other liquids used in various oilfield applications

Features

- Hot dipped galvanised quick connect fittings have a double pin locking lever for smooth closing action
- Each coupler is equipped with a safety pin to prevent accidental openings
- Available configurations include 45° and 90° elbows, ASA flange, hose shank, NPT, butt-weld, plugs and gaskets. Also available in extra long
- 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 the factory for recommendations

Material

- Galvanised Steel

Sizes

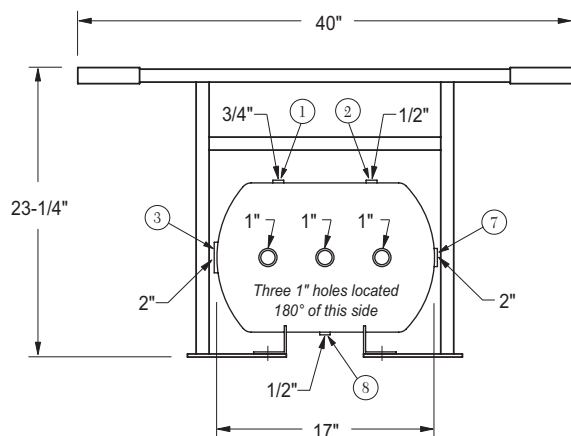
- Available from 2" - 12"



ASME Air Receiver Manifold

Features

- Built to ASME Code, National Board registered
- Conforms to OSHA standards 1910.169 and 1926.306
- 7 gallon capacity
- All openings are female NPT thread
- 200 PSI working pressure
- Painted safety orange



Swivel Joints

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™'s 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 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

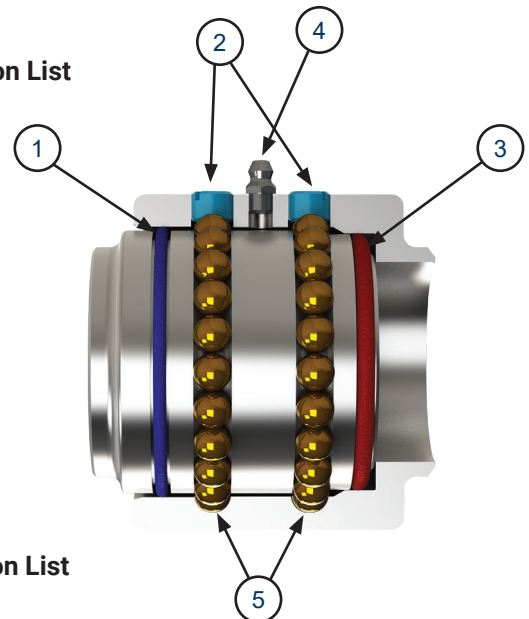
- End configurations: female NPT, 150# flanges, TTMA flange, grooved, weld end, and many other variations
- Seal options: Buna, FKM, PTFE, EPDM, FDA Buna, FFKM
- Ball bearing materials: carbon steel, 440 stainless steel, and 316 stainless steel
- Grease materials: Lithium, FDA approved/food grade and 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

O-ring Swivel Joints - Parts Identification List

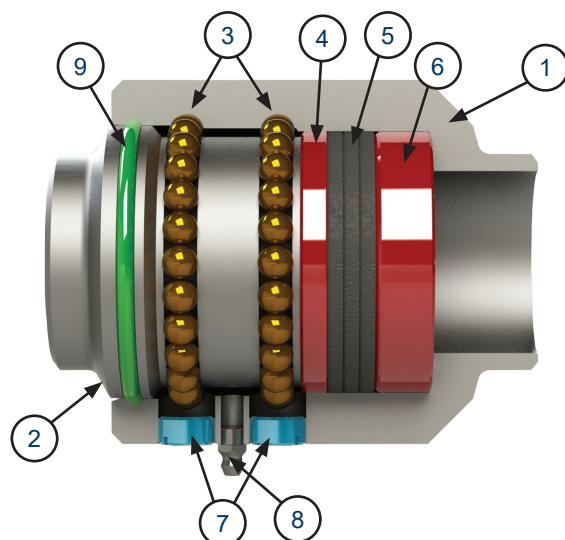
1. O-ring (dust) seal
2. Ball retainer screw
3. O-ring (pressure) seal
4. Grease fitting
5. Ball bearings

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 (6900 kPa)
- Available in carbon steel, 316L stainless steel, aluminium, brass, and malleable iron



V-ring Swivel Joints - 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

O-ring Features

- Sizes: 2"-12"
- 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 (6900 kPa)
- Available in carbon steel, 316L stainless steel, and limited aluminium

Swivel Joints Style Planes of Rotation

Single Plane Style 20



female NPT x female NPT



150# ASA flange x 150# ASA flange

Single Plane Style 30



female NPT x female NPT



150# ASA flange x 150# ASA flange

Single Plane Style 40



female NPT x female NPT



150# ASA flange x 150# ASA flange

Single Plane Style 50



female NPT x female NPT



150# ASA flange x 150# ASA flange

Double Plane Style 60



female NPT x female NPT

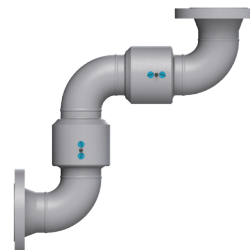


150# ASA flange x 150# ASA flange

Double Plane Style 70



female NPT x female NPT

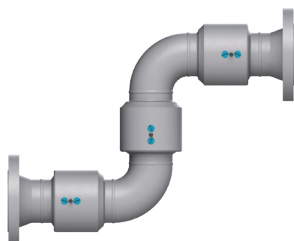


150# ASA flange x 150# ASA flange

Triple Plane Style 10



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

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°C to 232°C (-40°F to 449°F) depending on seal material (with standard seals: 177°C (350°F))
- Wide set bearing race for higher moment loads
- Compact design for low profile applications

Material

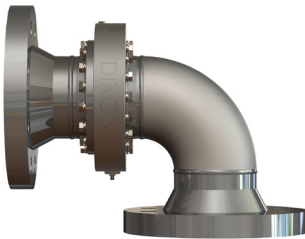
- Bearing pack: through hardened forged high carbon alloy
- Material contact surfaces: stainless steel or carbon steel nose pieces

Sizes

- Available from 2" - 4"

Options

- Stock end configurations: 150 lb. and 300 lb. flanges, FNPT, butt weld, others on request
- Stock seals: Baylast™, FKM, PTFE, others per request
- Full penetration weld



Torsion Spring Counter Balance

Application

- Used with a loading arm, spring balances allow for a variety of arm configurations, as well as a wide range of applications including bulk chemicals, food & beverage, and petroleum

Options

- Multiple spring rates available for different load requirements
- Ball screw adjustment mechanism for easy and safe adjustment
- Multiple grease ports for ease of service

Description

- Bearing pack: through hardened forged high carbon alloy
- A helical torsion spring inside a metal housing mounted on a loading arm base swivel
- When a load pushes the spring downward, the spring exerts an upward balancing force to support the loading arm
- Can be stored in various positions based on arm configuration and space requirements

Adjustment

- The balancing force can be precisely adjusted for various load applications by tightening or loosening the adjustment bolt
- Multiple spring rates are available to accommodate various reach and load applications



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
- Steel counterbalance housing

Features

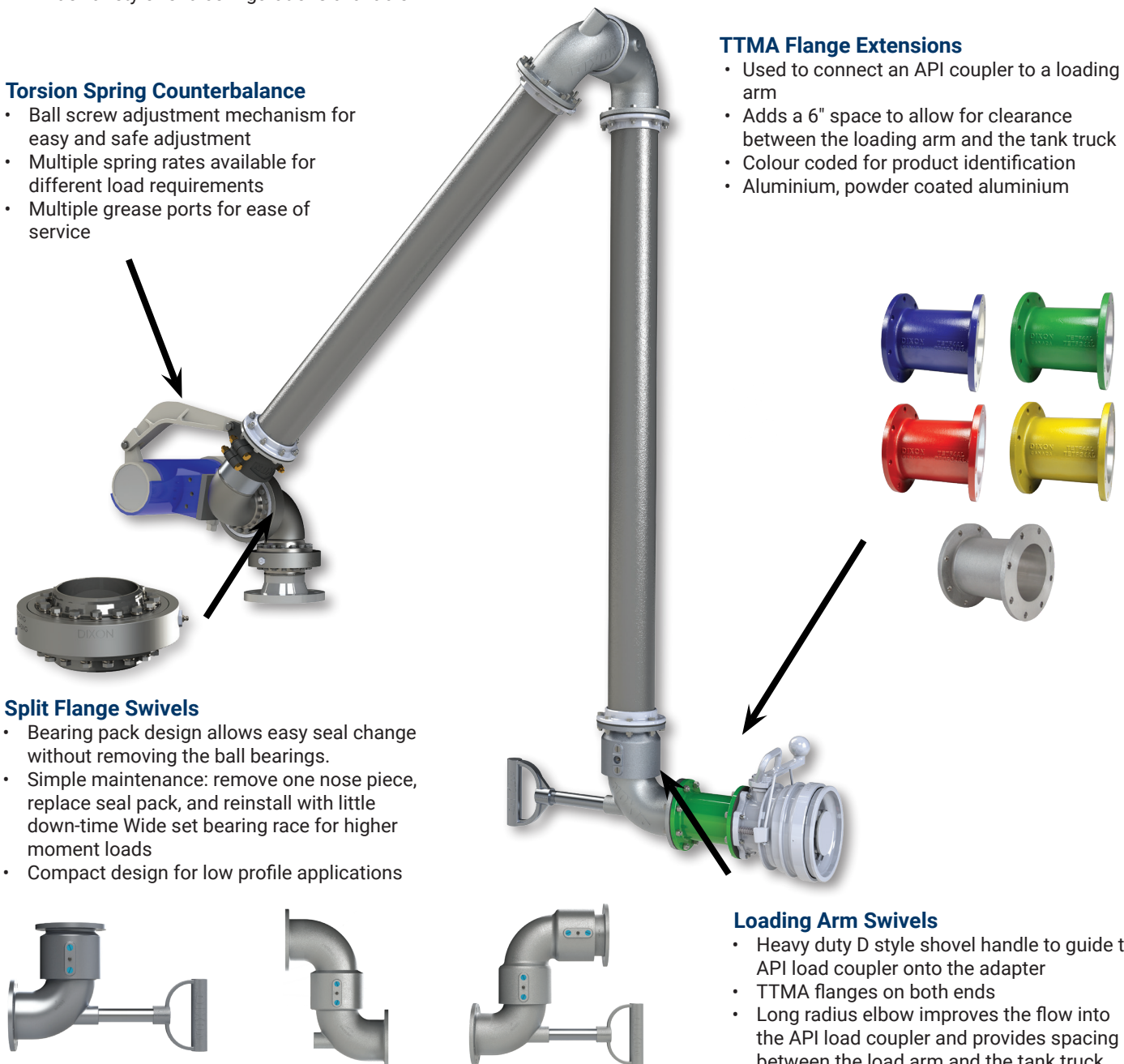
- Three options for sealing swivels: O-ring, V-ring and Split Flange
- Engineered with easy service in mind
- Wide variety of end configurations available

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

TTMA Flange Extensions

- Used to connect an API coupler to a loading arm
- Adds a 6" space to allow for clearance between the loading arm and the tank truck
- Colour coded for product identification
- Aluminium, powder coated aluminium

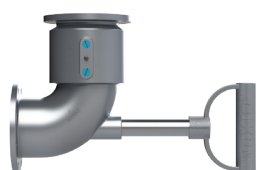


Split Flange Swivels

- Bearing pack design allows easy seal change without removing the ball bearings.
- Simple maintenance: remove one nose piece, replace seal pack, and reinstall with little down-time Wide set bearing race for higher moment loads
- Compact design for low profile applications

Loading Arm Swivels

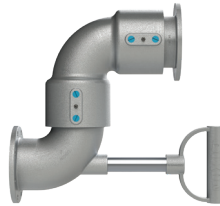
- Heavy duty D style shovel handle to guide the API load coupler onto the adapter
- TTMA flanges on both ends
- Long radius elbow improves the flow into the API load coupler and provides spacing between the load arm and the tank truck
- Can be used with flange extensions



Style 30,
long/ short radius



Style 40



Style 50

Valves

Brass Ball Valve Female x Female BSP - AGA Approved



Applications

- Recommended for control of air, water, oil, and gas in hose or pipe lines

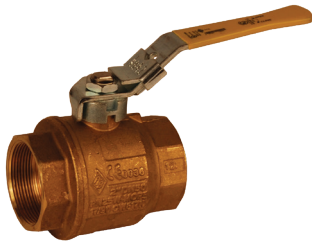
Materials

- Nickel plated brass with stainless steel handle
- PTFE seat, seal and thrust washer; Chrome plated brass ball; Plated steel handle

Features

- Full bore, blow-proof stem
- Maximum temperature: 186°C (366°F);
- Pressure rating: 600 PSI WOG 150 PSI working steam pressure
- Female x Female BSP/NPT

Lockable Ball Valves



Applications

- Recommended for control of air, water, oil, and gas in hose or pipe lines

Materials

- Brass, chrome-plated brass ball and plated steel handle
- PTFE seat, seal and thrust washer

Features

- Lever operated, C/W Locking device to lock open or closed; Blowout-proof stem
- Screwed Female BSP
- Maximum temperature: 186°C (366°F)
- Pressure ratings: 600 PSI WOG; 150 PSI working steam pressure

Safety Vented Ball Valves



Applications

- For air service only

Materials

- Bronze body; adjustable packing gland
- RTFE seats and stuffing box ring; chromium plated ball

Features

- Blowout-proof stem
- Female x Female NPT, Also available in BSP
- Maximum temperature: 232°C (450°F)
- Pressure rating: 0-125 PSI; vent downstream air in accordance with OSHA regulation 1910.147 for pneumatic systems

3-Way 'L' Port Ball Valve



Applications

- For use with gasoline and diesel fuel

Materials

- Bronze; chromium-plated ball; stainless steel handle and nut; vinyl sleeve
- Trim: 316 stainless steel; Seats and stuffing box ring: RPTFE

Features

- Lever-operated anti-static device with Blowout-proof stem, ASTM A351-CF8M. ISO 5211
- Female x Female x Female NPT/BSP
- Pressure rating: 400 PSI WOG



Stainless Steel One-Piece Ball Valve

Applications

- For use with water, oil, and gas

Materials

- 316 stainless steel body, ball, and stem
- PTFE seat, joint gasket, and thrust washer

Features

- Standard full port; Blowout-proof stem design
- Female NPT or BSP
- 29°C to 230°C (-20°F to 446°F) as long as the valve is run fully open/closed
- ¼" - 2" rated to 1000 PSI WOG (CWP) ; 2½" - 3" rated to 800 PSI WOG (CWP)
100 PSI saturated steam



Two-Piece Stainless Steel Ball Valve

Applications

- For use with air, water, oil, gas, and most chemicals, locking device standard

Materials

- 316 stainless steel
- PTFE seat

Features

- Full bore
- Female x Female NPT or BSP
- 15mm to 40mm rated to 800 PSI
- 50mm rated to 600 PSI



Three-Piece Stainless Steel Ball Valve

Applications

- For use with air, water, oil, gas, and most chemicals. Locking device standard

Materials

- 316 stainless steel
- PTFE seat

Features

- Full bore
- Female x Female NPT (various end connections available upon request)
- 15mm to 40mm rated to 800 PSI
- 50mm to 100mm rated to 600 PSI



Wafer



Lugged

316 Stainless Steel Wafer & Lugged Butterfly Valves

Applications

- Petro-chemical, oil and gas, marine, and industrial applications

Materials

- 316 stainless steel (CF8M)
- Stem: 316 stainless steel, seat: PTFE (EPDM encapsulated)

Features

- Butterfly valve, wafer and fully lugged, lever operated
- Wafer type fits between Table E, lugged valve is to AS2129 table E
- PN10 or 1000KPA
- Lugged ANSI Class 150 available on request
- Gear operators, pneumatic and electric actuators
- ISO top for direct mounting of actuators and stainless steel lever and notch plate



Class 800 Forged Steel Gate - BSP & NPT

Applications

- Can be used for steam service

Materials

- Forged steel - ASTM A 105N
- Seat- ASTM A276 420, wedge and stem- ASTM A182 F6a

Features

- Class 800; ASTM A105; ANSI B120.1
- Screwed Female: BSP or NPT
- 1975 PSI; maximum temperature 427°C (800°F)
- Socket weld in forged steel, 316 stainless steel available in screwed NPT
- OS&Y, bolted bonnet, F/bore, solid wedge
- Class 1500 available in NPT ends



Stainless Steel OS&Y Gate Valves

Applications

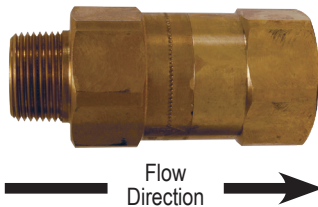
- Can be used for industrial applications

Materials

- 316 stainless steel (CF8M)

Features

- To API 603 / ASME B1634
- Flanged ANSI 150LB is standard
- 285 PSI for water, oil and gas, and corrosive fluids
- 316 stainless steel valves drilled to table E



Safety Check Valves

Applications

- Used in temporary plant/factory air lines, construction sites, shipyards, or utilities
- Automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip

Materials

- Solid brass body and valve
- Stainless steel spring and roll pin

Features

- High-flow valve provides optimum performance
- Controls excess air flow (SCFM) in only one direction
- Maximum operating pressure: 350 PSI
- Maximum temperature: 121°C (250°F)
- Conforms to OSHA regulation 1926.302 (b) (7)

Bellow Seal Gate & Globe Valves

Applications

Bellows seal valves reduce fugitive emissions of toxic or regulated fluids, minimize maintenance and reduce life cycle costs in process plants including steam, cryogenic, heat transfer oil and vacuum systems. Low E technology tested to API 622.

Materials

- Inconel
- Stainless Steel

Features

- Provide long life and maximum corrosion resistance
- Zero stem leakage eliminates media loss and satisfies environmental regulations
- Zero maintenance results in lower operating costs / no downtime
- Forged and cast versions available



Flomax Fluid Management System

Application

Nozzles and receivers are used together to make refueling and adding maintenance liquids to vehicles easier and safer; essential when production cannot be stopped to add fluids.

Features

- Colour coding is used for engine oil, diesel fuel, coolant, transmission and hydraulic oils
- Colour coding helps eliminate cross contamination
- Fully compatible and interchangeable with industry standards
- Standard and high flow series available
- Service box housing also available

Material

- All-metal construction with stainless steel wear components and anodized aircraft grade aluminum non-wear components



Flomax Standard Series

Hydraulic Oil (Gold)



Transmission Fluid (Violet)



Engine Oil (Red)



Coolant (Teal)



Diesel Fuel Nozzle



Diesel Fuel Receiver



High flow series also available.

Flomax Service Box

Designed to enclose receivers for diesel fuel, hydraulic oil, transmission fluid and coolant reducing contamination and weather related problems

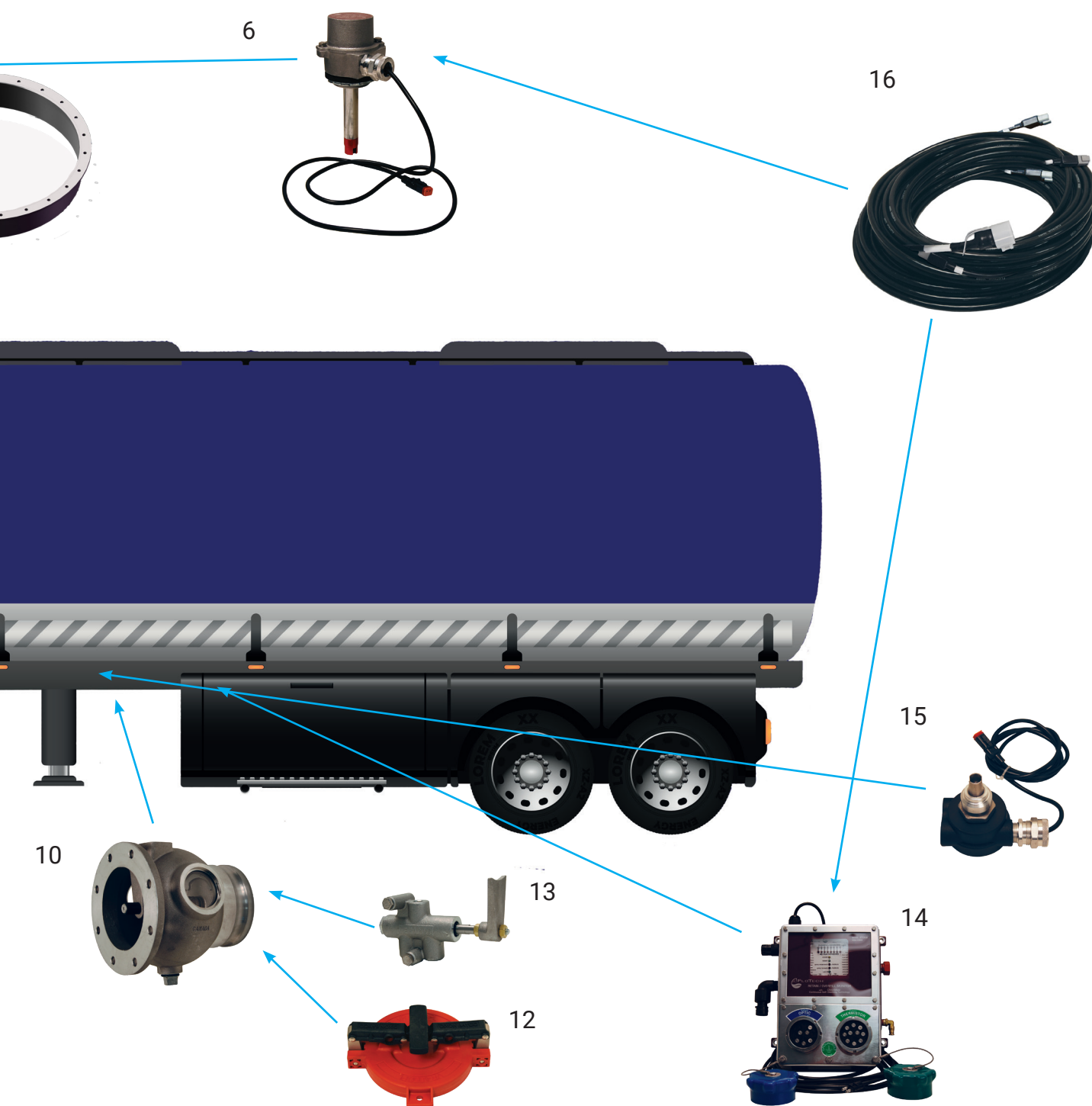
- normally installed on heavy duty earth mover equipment and drill rigs
- 12 gauge steel construction with heavy duty hinges
- painted white - Imron® Primer



Fuel Distribution Products



Item	Description
1	3" Sequential compartment vent valve
2	3 " Dump Vent
3	1.25" PV vent valve
4	ADR Man lid
5	500mm Aluminium neck ring
6	2 Wire optic plug & play probe



Item	Description
9	4" API valve
10	Vapour recovery valve
11	Cap for API valve
12	Cap for vapour recovery valve
13	Interlock for vapour valve
14	Checkmate monitor
15	Retain sensor

**EXCLUSIVE
5-YEAR
MECHANICAL
WARRANTY***

Fuel Distribution Products

5500 Series API Coupler

Application

- Suitable for rail car and tank truck loading or unloading

Features

- Locking five-cam design provides easy alignment and tight connection
- Replaceable nose seal can be changed without removing coupler from loading arm
- Nose seal design tested to 450 PSI without seal ejection
- Fully interlocked collar prevents fitting from opening when disconnected and from being disconnected while opened
- 4" TTMA inlet mounting flange connection
- Two piece break-away design, ball-end handle for easy and comfortable operation to allow for continued operation should the handle to sheared away
- 10 stainless steel coiled springs put more pressure on the nose seal-to-truck API adapter to help prevent leaks.
- No special tools needed for maintenance

Couplers are completely modular so they can be built with various face seal combinations to be compatible with different alternative fuels, performance levels and applications



API Load/ Unload Adapter

Application

- Combined with couplers, these valves are suitable for rail car and tank truck loading or unloading

Features

- When used with an API coupler (above) can be used as a high volume dry-disconnect connection
- Unique fluid flow sight level on load only models
- Chemical resistant crank seals
- Rotate nose for a new connection surface
- 4" TTMA inlet mounting flange connection
- Ergonomically curved handles operate on a short 62° degree stroke
- Can be rebuilt without removing from tanker

Load/Unload



Ball Nozzles for Bulk Delivery

Application

- Delivery of bulk liquids

Features

- Hardened chrome steel roller balls and hardened carbon steel ball race provide long service life.
- Uses a full port ball valve for high flow rate
- Unique swivel design permits low temperature operation without leakage around the O-ring seals
- Internal flow path is designed to provide low pressure drop across the nozzle
- Lower pressure drop permits higher flow rates at lower pressure



FT555 Truck Tester

Application

- Fully automatic truck tester capable of testing API 5 and 2 wire systems

Features

- One man "wet test" feature will sound an audible alarm when probe is wetted
- LCD screen displays the final test results and a pass/fail indication for easy rapid testing of the overfill system
- API plug can be reconfigured for both socket options



Overfill Prevention Probes



Application

- Overfill detection sensors are intended to detect a pending overfill condition inside the fuel tank compartment.

Features

- Manufactured in accordance with EN13922
- Unique prism sealing design prevents product and vapour entering the electronics and causing probe failure
- Probes are available in 7", 12" & 18" lengths. Custom lengths available
- ATEX Approved
- Fully compatible with installed industry standard rack monitors
- Option: Pre-wired and factory tested with Plug-n-Play cabling and plugs

Overfill Prevention Sockets



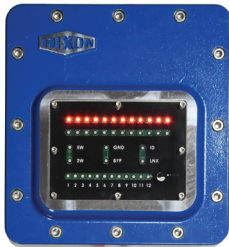
Application

- Sockets allow for the transfer of the electronic signal from the terminal control monitor to the tanker.

Features

- Socket options include 6 pin, 3 J slot and 10 pin, 4 J slot
- Sockets can include a brake interlock to prevent drive away, vapour recovery interlock or both
- Patented nose ring that permits replacement without the need to disconnect the wiring.

Rack Monitor



Application

- Installed on the gantry to control the loading process of petroleum fuels or other hazardous liquid into cargo tanks

Features

- Automatically detects and switches between 2-wire or 5-wire type sensor operation
- Compatible with analog 2-wire thermistor type sensors
- Redundant relay outputs prevent single point failures
- Data management via RS485 port
- Wireless bypass key system
- Ground verification
- Reads trailer identification modules

Approvals

- Meets API RP1004 and EN13922 standards
- Suitable for Class I, Division 1, Group CD and Class I, Zone 1, Group IIB

ADS Outalarm



Application

- Specifically designed for liquid terminal operation on batch loading and overfill protection, unloading, tank cars, tank trucks, and 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
- 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
- Wetted materials: 316 stainless steel, PTFE standard, other materials available

Break-Away Couplers

Safety Break-Away Couplings - Breaking Bolt Series Industrial Version



Application

- The breaking bolt industrial breakaway coupling is designed to minimise spillage and damage associated with drive away and pull away incidents.

Design

Coupling automatically senses an excessive load, closes the valves and disconnects. Simple mechanism, no loose components lost after release. High flow rate / low pressure drop. Female NPT & BSP is standard, optional ANSI / DIN flanges are available. FKM is standard seal

Working Pressure

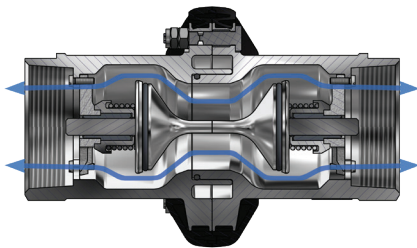
- SS - 360 PSI @ 21°C (70°F)
- AL - 230 PSI @ 21°C (70°F)

Material

- Stainless steel or aluminium; others on request

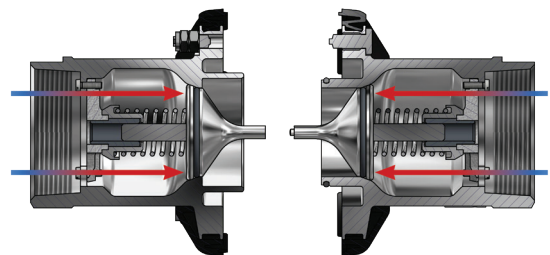
How it Works

Safety break-away couplings have three external break bolts. In the case of axial tension all 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 an O-ring seal.



AFTER Emergency Disconnect

When the safety break-away couplings separate, the valves are able to close. The two valves close rapidly, minimising exposure to personnel and the environment.

Safety Break-Away Couplings - Cable Release Series

Design

The cable release series break-away couplings are designed to minimise spillage and damage associated with drive-away and pull-away incidents. Couplings feature a simple mechanism and no loose components to lose after release. In some applications the necessary force of the breaking bolts may be too high to prevent damage to loading arms or other pipe and equipment; under these conditions the use of cable release safety break-aways may be more suitable. Coupling automatically senses an excessive load, closes the valves and disconnects. Release is executed by pulling out the locking bolts with the help of a cable. When the coupling separates, the poppets close.

Working Pressure

- 360 PSI

Material

- 316T1 stainless steel body with FKM O-rings



Dry Disconnect Couplers

Dry disconnect couplings are designed for quick and spill-free connection and disconnection of hoses and pipelines.

When your product is:

- Expensive
- Expensive to clean up
- Expensive to reprocess or dispose
- Hazardous to workers or the environment
- Prone to accidental spillage and product loss



Application

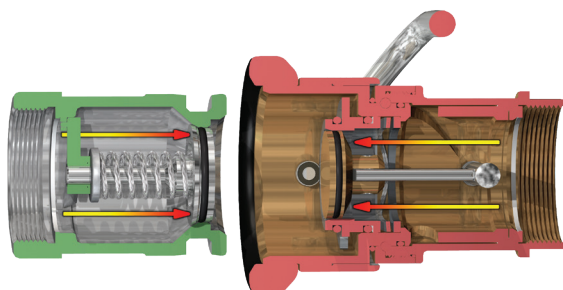
- Used by producers of ink, adhesives, fatty acids, pharmaceuticals, liquid soaps, petroleum, chemicals, agricultural products, and a wide variety of common caustic and specialty acids
- Designed for the quick and spill-free connection and disconnection of hoses and pipelines

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
- Environmentally friendly: accidental spillage eliminated when properly 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 adaptors 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 21°C (70°F):
 - aluminium: 230 PSI, up to 4"
 - brass/ gunmetal: 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®

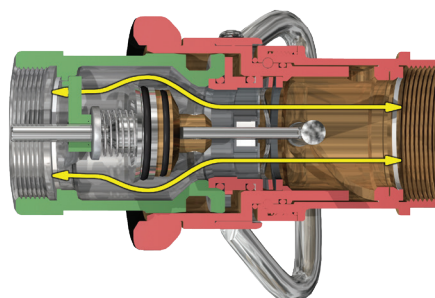
How it Works

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

Dry Quick Disconnect Coupler - Hose Unit

Design

Coupler has built-in swivel and riveted piston pin to minimise the risk for failure under extreme pressure conditions.

Material

- Stainless steel ball bearings, shaft journal in stainless steel embedded in PTFE to eliminate seizure
- Protecting ring is weather-resistant rubber, electrically conductive
- All wetted parts are stainless steel, rollers for the stainless steel units are Hastelloy™ C276 on the stainless steel shaft
- Rollers for the aluminium and brass units are aluminium-bronze on the stainless steel shaft
- Composite plugs provide very good protection against corrosion and withstand hot and cold environments



Dry Quick Disconnect Adaptor - Tank Unit

Application

- The adaptor is usually typically on the tank or manifold
- Available in male and female BSP, NPT, or 150# ASA flange (ANSI)

Design

- Conical valve seat to eliminate the risk of “piston blow out”
- PTFE bearing between the piston shaft and the piston guide to eliminate the risk for seizure

Material

- Aluminium adaptor - aluminium poppet, stainless steel internal parts
- Stainless steel adaptor - stainless steel poppet, stainless steel internal parts
- Brass / gunmetal adaptor - brass poppet, brass and stainless steel internal parts
- Composite caps provide very good protection against corrosion and withstand hot and cold environments



Dry Disconnect Fittings for Steam Service

Application

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

Design

- Coupling housing and all inner parts are stainless steel
- Seals are EPDM (standard);

Features

- Unintentional separation is eliminated, preventing accidents and avoiding unintended down time.
- Performance unaffected by surface rust.
- Lockable versions are available



Dry Gas Couplings

Design

Dry gas couplings are designed for safe loading and discharge of bobtails or intermediate bulk delivery trucks. They are quick and easy to connect and can be connected to a tank unit with pressures up to 225 PSI. If the pressure is higher you can equip the couplings with a pressure relief valve. The easy-to-connect pressure relief valve dissipates trapped fluid pressure into the hose coupler without spillage. The primary application of dry gas couplings is in the handling of LPG - propane and butane.



Working Pressure

- 360 PSI

Material

- Stainless steel and brass / gunmetal
- NBR90 seals
- Female NPT and ASA (ANSI) flanges
- Caps and plugs in composite provide a very good protection against corrosion and withstand both hot and cold environments

Dry Break Cam & Groove Dry Disconnect Couplings - Couplers

Application

- Fully interchangeable with Kamvalok (OPW trademark) style fittings

Design

Dixon™ 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, allowing for an easy grip. Dry disconnect coupler has automatic closing poppet assembly. Strong handle attachment prevents bending of crank assembly



Material

- Heavy-duty stainless steel crank and link
- Stainless steel investment cast handles
- Aluminium fittings have stainless steel 3 internals

Dry Break Cam & Groove Dry Disconnect Couplings - Couplers

Application

- Compatible with most cam & groove style dry disconnects. Fully interchangeable with Kamvalok (OPW trademark) style fittings

Design

The Bayco™ dry disconnect helps prevent spillage from normal or accidental disconnects. It has a spring-loaded sealing device designed to "snap" closed should the valve become disconnected with the poppet open, significantly limiting liquid loss. Two-piece adaptor design for easy rebuilding of adaptors



Material

- Aluminium fittings have aluminium nose piece and brass piston

Bayonet Style

Application

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

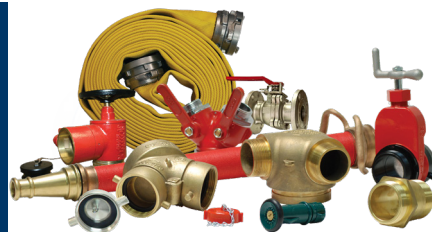
Features

- 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 @ 21°C (70°F),



Fire Service Products

Dixon's fire protection products include solutions for the architectural, general industrial, and municipal fire sectors. We manufacture and supply a diverse line of products covering interior sprinkler and standpipe components, valves, adapters, nozzles, fire hose, racks and reels, fire department connections, and Storz fittings.



Valves



- Hose valves
- Pressure reducing
- Pressure regulating
- Globe valves
- Gate valves
- Ball valves
- Angle valves
- Pressure restricting angle valves
- Wharf hydrants
- UL and FM approved

Fire Department Connections



- Single, double, and triple clappers
- Angled and straight bodies
- Polished and/or chromed
- Concealed and reversible
- Sidewalk connections (2, 3, and 4 way)
- Roof connections
- Special threads in stock
- UL and FM approved where required

Hydrant Adapters



- Brass and aluminium
- Caps and plugs
- Reducers
- Hex, pin and rocker lug, swivels and long handle
- Most threads in stock others available
- Polished and/or chromed
- Spanners for Storz, pin and rocker lug

Hydrant Nozzles



- Brass fog
- Heavy duty
- Electrical
- Pow-R-Fog
- Plain tips
- Play pipes
- Rack nozzles
- Garden hose twist
- Thermoplastic
- Monitors
- Aluminium constant and adjustable fog

Hose Couplings



- Brass and aluminium expansion rings
- Forestry rocker lug and forged 1/4 turn forestry
- Booster hose fitting and installation kit
- Storz
- Instantaneous Couplings & adapters
- Suction Hose Couplings

Hammer Unions

Features

- Temperature rating: -32°C to 93°C (25°F to 199°F)
- Non-shocking cold water pressure means that the rated value is the maximum pressure at ambient temperature 21°C (70°F)
- No spikes higher than this pressure
- No instantaneous pressure increases (0-2000 PSIG in ¼ of a second)

100 Series



Application

- Used on low-pressure manifolds and lines and in applications running air, water, oil, or gas up to 1000 PSI NSCW (non-shock cold working pressure)

Design

- Butt weld ends are schedule 80

Colour

- Yellow sub, black nut

200 Series



Application

- Used in general service applications running air, water, oil, or gas up to 2000 PSI NSCW (non-shock cold working pressure)

Design

- Butt weld ends are schedule 80

Colour

- Grey sub, blue nut

206 Series



Application

- Runs air, water, oil or gas up to 2000 PSI NSCW (non-shock cold working pressure)

Design

- O-ring mounted sub provides excellent sealing properties

Colour

- Grey sub, blue nut

400 Series



Application

- Used on manifold and line connections, pump, suction and mud service. Up to 4000 PSI NSCW (non-shock cold working pressure)

Design

- Works at extremely high pressures

Colour

- Red sub, black nut

602 Series



Application

- For use in mud, manifold service, and truck mounting applications running air, water, oil, gas, or mud up to 6000 PSI NSCW (non-shock cold working pressure)

Design

- Lip type seal ring minimises fluid flow turbulence while creating a pressure seal

Colour

- Orange sub, black nut

1002 Series



Application

- For use in high-pressure systems and truck mounting applications running air, water, oil, gas, or mud up to 10000 PSI NSCW (non-shock cold working pressure)

Design

- Lip type seal ring minimises fluid flow turbulence while creating a pressure seal

Colour

- Blue sub, red nut

1502 Series



Application

- For use in extreme high-pressure applications running air, water, oil, gas, or mud up to 15000 PSI NSCW (non-shock cold working pressure)

Design

- Lip type seal ring minimises fluid flow turbulence while creating a pressure seal

Colour

- Red sub, blue nut

Butt weld configurations and other materials are available, contact Dixon™ for further information

Dixon Frac Fittings

Applications

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

Features

- One-piece design eliminates leak path experienced with two-piece threaded systems
- Interchangeable with current fittings; phase them into your current operation
- Long-lasting and dependable hammer nut is forged to ASTM 105N standards
- Machined malleable iron stems to ASTM A47 standard
- Durable and safe with reliable hose retention when crimped as specified
- 400 PSI working pressure at 21°C (70°F)
- 400 PSI working pressure with a minimum 4:1 safety factor (hose burst: hose working pressure) is only achieved with specific Dixon™ carbon steel ferrules

Material

- All stems are zinc plated

Complete Male/Female Assembly



Female



Male with Nut



Suction Service Fittings Fig 206



Figure 206 O-Rings



King Crimp Style Frac Ferrules



Dixon™ One-Piece Hammer Union Nuts

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

Material

- Forged steel meeting AISI standards



Dixon™ Two-Piece Hammer Union Nuts

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
- Interchangeable with reliable brands

Material

- Forged steel meeting AISI standards





Dixon™ One-Piece Hammer Union Nuts

Applications

- Used in the transfer of water, brine, water-based chemicals, water-based acids, and gelatinous proppant (sand) slurry used at hydraulic fracturing sites

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
- Interchangeable with reliable brands

Material

- Forged steel meeting AISI standards
- Iron adaptors meet ASTM standards



Hammer Union Caps and Plugs

Applications

- Prevents leakage of hydraulic fracturing fluids from hammer union connections.
- Used in pressurized service on site or when transferring equipment.

Features

- Forged steel construction ensures longevity, reliability, and performance
- Designed with larger handle for easier installation and disassembling
- Design includes a handle hole to attach chain or cable

Material

- Forged steel meeting AISI standards

Holedall® Coupling System

Exceptional coupling retention, durability, and safety



Externally Swaged Stems

Ends

- NPT
- Beveled
- Grooved
- Female

Materials

- Carbon steel
- 316 stainless steel

Sizes

- 1¼" - 10" ID hose



Externally Swaged Notched Fittings

Materials

- Carbon steel
- 316 stainless steel

Sizes

- 1½" - 4" hose ID

- For a hose OD less than 24/64", couplings must be crimped
- For a hose OD larger than 25/64", couplings can be swaged or crimped

Note: Stem can be reused after proper removal from assembly and inspection. It can be attached to a new hose using a new ferrule.



Externally Swaged Assemblies

Styles

- High pressure
- Flanged
- Uni-Range

Materials

- Carbon steel
- 316 stainless steel
- 304 stainless steel
- Plated steel

Sizes

- Call Dixon for sizes



Externally Swaged Ferrules

Styles

- High pressure
- Standard
- Notched
- Long

Materials

- Carbon steel
- 316 stainless steel
- 304 stainless steel

Sizes

- 1½" - 10"



Internal Expansion Stems

Ends

- NPT (IXM)
- California (IXH)
- Grooved (IXV)

Materials

- Carbon steel

Sizes

- 1" - 4" hose

Internal Expansion Ferrules

Styles :

- Standard

Materials

- Carbon steel

Sizes

- 1" - 6" hose



External Swage high Pressure Couplings



Applications

- For services requiring extremely high pressure (up to 3,000 PSI) applications such as on small and medium size drilling rigs: used for slim hole, core drill, workover, seismograph, water well, blast or shot holes, etc

Features

- Long, rugged fittings machined from seamless pipe and tubing with specially designed serrations mating ferrules machined from heavy wall material with matching serrations to ensure better coupling retention
- Couplings are shipped with matching ferrules.
To ensure receipt of a properly sized ferrule please provide hose OD when ordering. Make sure both ends of the hose are measured for OD
- Interchangeable API & NPT sizes

Material

- Zinc plated steel

Sizes

- Available in 2", 2½" and 3"

Rotary Hose Couplings

Dixon Holedall® Rotary Hose Couplings are available in API Line Pipe Thread and Butt Weld end terminations in nominal bore sizes 2½", 3", 3½" & 4" grades C, D & E, and are available to suit most Rotary Hose manufacturers' hose.

Couplings are also available with threads to suit Russian Gast Standard 6211-81. Other end terminations are available; e.g. Hammer Lug Unions, Flanges, Hubs etc

Two different classes of coupling are available: 'API 7K' and 'Standard'. All 'API 7K' couplings, are identified by a unique serial number, low stress stamped on the coupling and are supplied with a full certification dossier which includes Material, NOE and Welding Certification in accordance with ASME IX. 'Standard' Couplings are supplied with material certification only.



Applications

- Couplings are used for both land-based and offshore drilling operations involving down linking, directional drilling, negative pressure pulses and other applications

Features

- Complies with API 7K specifications
- Working pressure: 5,000 PSI
- Independent, elevated temperature tested to 82°C (180°F)
- 47.5 tons end pull test
- 15,000 cycle test at full working pressure

Material

- Stainless steel or carbon steel

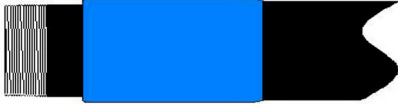
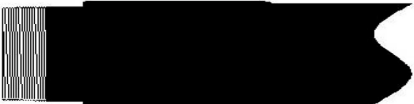
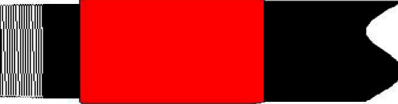
Sizes

- Available in 2½", 3" and 3½" ID

Holedall Ferrule Colour Coding

Internal Swage Ferrules can be supplied in either, natural, Yellow Zinc Plated or Powder Coat Painted finishes in accordance with Oil & Gas UK colour coding scheme (UKOOA) or to suit specific requirements.



Yellow Ferrule Application: Dry Cement	Orange Ferrule Application: Dry Baryte	Blue Ferrule Application: Potable Water
		
Brown Ferrule Application: Fuel	Red Ferrule Application: Base Oil	Green Ferrule Application: Drill Water
		
Black Ferrule Application: Oil Based Mud	Red Ferrule Application: Brine	Purple Ferrule Application: Glycol
		
Pink Ferrule Application: Base/Fuel Oil	No Colour Application: Scale Inhibitor	
		



Holedall High Pressure & Custom Couplings

Dixon Group Europe Ltd, whilst being the manufacturer and distributor of the standard range of Holedall® High Performance Hose Couplings are also able to supply a variety of custom designed couplings with a wide range of end configurations and service applications. Design variables of coupling length, materials, wall thickness and serration detail provide for installations ranging from lightweight industrial hose to high pressure hoses used in hazardous environments offshore.

Holedall High Pressure Coupling Assembly



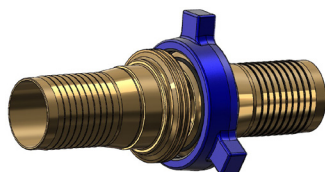
The Holedall® High Pressure Coupling Assembly can be supplied for either Internal Expansion or External Swage for working pressures of up to 2,500 psi (170 bar) in size 2" through 10". The assembly is supplied as a one-piece unit with the ferrule being welded to the stem. The assembly can be supplied in various materials including: Stainless Steel and Carbon Steels with Charpy Impact Testing conforming to NACE STD MR-01-75 for both Sour and Non-Sour services.

Holedall Composite Hose Scroll Tail



Composite Hose Tails are produced for leading Composite Hose Manufacturers in both Carbon and Stainless Steels with fixed and swivel flanged, grooved and threaded end terminations for External Crimping and Swaging in nominal bore sizes up to 10"

Holedall Hammer Lug Union End Termination



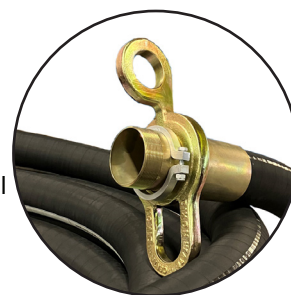
Holedall® IX stem with integral 4" fig 206 hammer lug union end termination.
Holedall® EC stem with integral 4" fig 206 hammer lug union end termination for UHMWPE, XLPE and chemical hose.

Hookie - Hook Hose Lifter

Hose lifters specifically designed for use with Bulk Loading Hose/ Hookie Hook Stems.

Features

- For use with hammer unions
- Safe working load is 4 tons, with a proof load test of 8 tons
- Supplied complete with retaining clamp
- Manufactured in forged carbon steel.
- All Hoselifters are supplied with proof load test and material (3.1) certificates
- Available in bore sizes 3", 4" and 5"



Holedall Hookie - Hook Stem & Ferrules



Hookie - Hook Stems & Ferrules are predominantly used for Bulk Loading/Rig Supply Hose operations on Offshore applications. Stems are supplied Yellow Zinc Plated in accordance with BS1706: 1990 as standard, with threads to API Standard 5B: 1988. (NPT)

Hose Accessories King Cable™

Applications

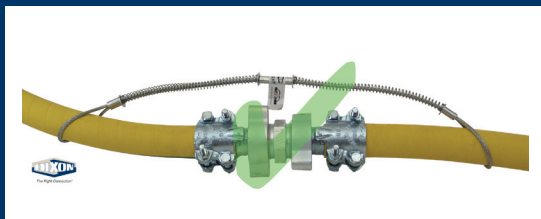
- These strong steel cables prevent hose whip in case of accidental separation of coupling or clamp device. King Cable™ reaches across the hose fittings to provide standby safety for hose. Spring-loaded loops in the cable ends open easily to pass over the couplings for a firm grip on the hose. Thoroughly tested with years of service.

Materials

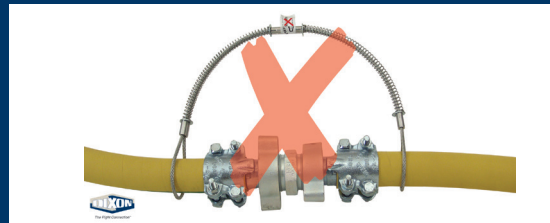
- Galvanised steel wire rope, aluminium ferrules, galvanised carbon steel springs

Features

- Must be installed in the extended position (no slack)
- Use King Cable™ to help prevent accidents or injuries resulting from hose or coupling failure
- A positive safeguard for air hose connections - helps you meet today's safety standards
- Cable reaches across hose fittings to provide standby safety for hose
- No tools needed - easy to install and remove
- Highly resistant to rust and corrosion
- Hose-to-hose or hose-to-rigid outlet
- Maximum operating pressure: 200 PSI



Correct Installation
King Safety Cable installed in the extended position (no slack)



Incorrect Installation
King Safety Cable is not installed in the extended position (too much slack)

King™ Safety Whipsock

Applications

- Ideally suited for applications where the media being transferred is under higher working pressures such as air, water, hydraulic, and slurry

Materials

- Wire rope: galvanised carbon steel
- Ferrules: aluminium

Features

- King™ Safety Whipsocks keep the hose under control in the event of a high-pressure hose assembly failure
- Galvanised steel woven stockings extend down the hose to grip securely over a larger area preventing whip, abrasion, and wear
- Securing both eye-to-rigid or eye-to-eye anchor points reduces whip in the event of a hose connection failure



King™ Safety Shackles

Applications

- Two shackles are used to anchor the King™ Safety Whipsock
- Securing both eyes to a rigid anchor point to reduce whip in the event of a hose or connection failure



Nylon King Cable™

Applications

- Pneumatic, hydraulic, and water hoses

Materials

- Strap: nylon
- Grommets: rubber

Features

- Strong, flexible nylon webbing
- Superior corrosion and spark resistance over metal restraints
- Rubber grommets securely choke eyes around hose
- Must be installed in the extended position (no slack)
- Maximum working temperature: 93°C (200°F)



Rapp-it Repair Bandages

Applications

- On-site emergency pipe repair in varied industrial applications: mining, processing, oil and gas, petrochemical, manufacturing, marine, and agricultural industries; for use with steel, polypipe, PVC, fiberglass, or copper

Materials

- Bandage: woven fiberglass
- Resin: water-activated polyurethane resin

Features

- No mixing or measuring required; easy to apply
- Quickly contains leaking substances, keeping a workplace safe
- Tenacious bond: 5 to 10 min.; functional cure: approx. 30 min
- Suitable for use on acid lines, gas, most diluted chemicals, sea water, fuels, and oil
- Resistant to hydrocarbons, ketones, esters, alcohols, halocarbons, aqueous salt solutions, and dilute acids/bases
- Suitable for wet or dry pipe: apply under fresh and saltwater

Approval

- NATO Certification 4730-66-1257893



B.E.S.A.F.E

We encourage you to share this information with anyone who may be affected by the selection, installation, maintenance, or use of any hose assembly. Always use quality products to BE SAFE.

Hose assemblies must be inspected prior to each use. Worn out fittings, attachment devices, hose, and accessory items must be replaced. Retaining and safety devices such as clips, cables, or chains must be used. Clamps must be checked regularly to the specified torque found in the Dixon™ literature. Under no circumstance should any coupling be disconnected while under pressure unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death and destruction of property and equipment.

For all hose assemblies in use:

B.E. S.A.F.E

Beware:

Hose assemblies can be dangerous when used improperly or in the wrong application. The maximum working pressure shown on the hose is not an indication of the working pressure of the assembly.

Based on the hose, fittings, and attachment method used, all assemblies should be permanently marked with the designed working pressure and the intended media. The assembly working pressure should be permanently displayed.

Hose assemblies must be used for the intended service only. Never alter manufactured product or substitute component parts.

Eliminate:

Eliminate hazardous conditions by inspecting, maintaining, and testing hose assemblies.

Dixon™ recommends that all hose assemblies be tested in accordance with the hose manufacturers' specifications. The application determines the regularity of the re-testing schedule.

Secure:

Secure and inspect hose, fittings, clamping devices, and safety accessories before each use. Never take for granted that the coupling or attachment devices are properly installed.

Always:

Always inspect and re-tighten the bolts of any bolt-style clamping device to the manufacturers' torque specifications.

Fittings:

Hose and clamping devices that are worn out or damaged must be removed from service.

Educate:

Educate your employees about the proper use, care, and potential hazards of hose assemblies.

S.T.A.M.P.E.D

When fabricating and specifying hose assemblies, ask the following questions:

S.T.A.M.P.E.D

Size:

What is the I.D. (Inside Diameter) of the hose? What is the O.D. (Outside Diameter) of both ends of the hose? What is the overall length of the assembly required?

Temperature:

What is the temperature range of the media (product) that is flowing through the hose assembly?
What is the temperature range of the environment that surrounds the outside of the hose assembly?

Application:

How is the hose assembly actually being used? Is it a pressure application? Is it a vacuum (suction) application? Is it a gravity flow application? Are there any special requirements that the hose assembly is expected to perform? Is the hose being used in a horizontal or vertical position? Are there any pulsations or vibrations acting on the hose assembly?

Media:

What is the media/material that is flowing through the hose assembly?
Being specific is critical. Check for: Abrasive materials, chemical compatibility, etc.

Pressure:

What is the maximum pressure including surges (or maximum vacuum) that this hose assembly will be subjected to? Always rate the maximum working pressure of your hose assembly by the lowest rated component in the system.

Ends:

What couplings have been requested by the user? Are they the proper fittings for the application and hose selected?

Dixon™:

Dixon™ recommends that, based on the hose, fittings, and attachment method used, all assemblies be permanently marked with the designed working pressure and intended media. Do not use other manufacturers' fittings or ferrules with Dixon™ products due to the differences in dimensions and tolerances. We also recommend that all hose assemblies be tested frequently.



All hose assemblies compliant with Pressure Equipment Directive 2014/68/EU

Premium Provider of Fluid Transfer Solutions

Dixon is a leader in recommending and providing the correct components for material transfer scenarios across various industries. With a wealth of knowledge and expertise, Dixon stands out from other suppliers and stays up-to-date with the latest in liquid, air and bulk material transfer.

Furthermore, Dixon has a global presence, offering customers and distributors access to a comprehensive range of resources. These include customized hose assemblies and fabrications, technical assistance, best practice recommendations, site visits, testing, and more.

Knowledge, Experience & Partnerships

With over a century of experience in the fluid transfer industry, Dixon has earned a reputation as a trusted supplier to its customers and key distributors. We have established long-lasting relationships and helped recommend and provide real solutions for numerous industrial challenges.

Our global presence provides our clients with a local and dedicated point of contact, and access to a network of manufacturing and distribution centers. Dixon collaborates closely with our distributors and end-user partners across these regions, providing essential support, technical product advice, training, and problem-solving recommendations for a wide range of material transfer applications.

Quality Standards

Dixon products can be relied upon, as quality control starts at the innovative design stage, and is further supported with technologically advanced engineering and manufacturing processes.

Dixon will not compromise on quality control, utilising standards and inspection procedures at each critical step of the production process. Our exacting standards are underpinned by the following international standards and certifications.

- ISO: 9001
- Pressure Equipment Directive 2014/68/EU
- ISPM15 Certifications



Manufacturing & Welding

For over 40 years, Dixon Europe has been at the forefront of specifying, assembling and manufacturing fluid transfer products. Ranging from bespoke fabrications and hose assemblies, to custom end fittings, ensuring that we can meet your specific onsite requirements.

All our expertly trained welders have extensive experience in the safe welding of pipework, hoses and pressurised systems and are coded to ASME IX in the following materials:

- Stainless Steel
- Carbon Steel
- Carbon to Stainless Steel
- Hastelloy N10675 & N10276
- Alloy 825
- Super Duplex

Engineering & Design

Dixon draws from a large pool of expertise when it comes to our engineering and design capabilities. Working closely with customers, our teams are able to work specify and design innovative solutions by offering:

- Technical specification & applied knowledge
- In-house engineering and production design
- Design & technical drawings
- Full SolidWorks facilities
- 3D modelling & printing



Test & Inspection

Dixon is a manufacturing and test facility using state of the art equipment operated by experienced personnel. As part of our commitment to effective quality management, all hose assemblies undergo strict testing and inspection before dispatch.

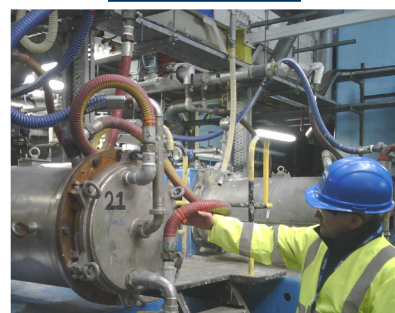
The facility can assist with routine maintenance testing and hose management through our Hose Connect Asset Management system. Our hose inspection and test capabilities include:

- Hose Failure Diagnostics
- Pneumatic & Hydrostatic
- NDT (Non Destructive Testing)
- Liquid Dye Penetration
- Passivation / Pickling
- PMI (Positive Material Identification)

Hose Management

Today, plant safety is an ongoing endeavour where it is impossible to be an expert in every field. The use of damaged, wrongly specified or incorrectly installed hose assemblies, couplings and related items does occur. Without the proper training these hazards may continue to exist increasing the risk of an accident threatening not only plant machinery but also the well-being of personnel.

Dixon can assist in your efforts to make the facilities you service as safe, efficient and productive as possible. We recognise the need for onsite safety and the importance that hose management holds. As a result, Dixon now offer hose integrity management inspection surveys along with our web based hose management platform Dixon Hose Connect.



Market Knowledge

Dixon Group Europe is a leading manufacturer and supplier of material transfer products to a wide variety of market sectors. and understands the technical intricacies across global markets and industries.

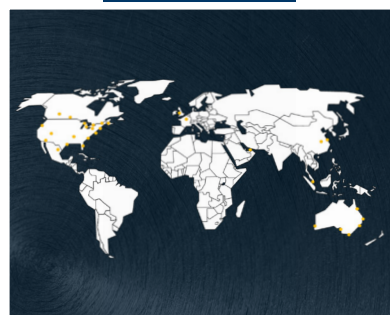
The vast product portfolio enables our engineers to recommend and specify the correct components for material transfer applications. Very few suppliers have this depth of knowledge, experience and expertise. Dixon always has its finger on the pulse with liquid, air and bulk material transfer along with the varying requirements from clients in different markets.



Global Footprint

With sales and distribution throughout the United Kingdom, Europe, the Middle East and Asia Pacific along with manufacturing and engineering facilities approved to ISO 9001, Dixon utilises its application based knowledge and current technologies to create products to solve challenges across a wide range of material transfer applications.

Our expanding global footprint ensures a 'local' and dedicated point of contact and access to a network of manufacturing and distribution centres. Dixon has value add centres in multiple locations where customers have access to made to order hose assemblies, actuated valves, manifold assemblies and bespoke fittings for a wide variety of applications.





Rubber Hose Assemblies



Metallic & PTFE Hose Assemblies



Hose & Pipe Fittings



Quick Disconnect Couplings



Engineered Fluid Transfer Couplings



Valves



Cam & Groove



Liquid Level Sensing



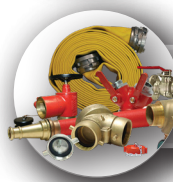
Sanitary/Hygienic Fittings



Actuation



Crimp & Swage Fittings



Fire Protection



Manifold Assemblies



Terminal & Tank Truck Equipment

Hose Assembly Applications



Additional Applications include:

- Fuel Transfer
- High & low pressure
- Zero cross contamination
- Leak prevention
- Volatile organic compounds
- Deadly & flammable gases
- Zero omissions
- LNG processing

Dixon's products are used in many applications across numerous markets. The main market industries we serve include: agriculture, chemical processing, construction, fire protection, food and beverage processing, forestry, general maintenance and repair, mining, oil and gas, pharmaceutical, steel processing, and transportation. If you need assistance with a particular application challenge please contact us.



Agriculture



Chemical Processing



Construction



Energy



Fire Protection



Food & Beverage



Marine



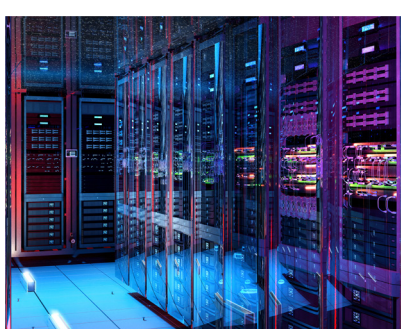
Mining



Oil & Gas



Steel Processing



Thermal Management



Transport & Terminals

Dixon™ Deutschland

Dixon™ Middle East

Dixon™

Dixon™ Valve (Singapore) Pte. Ltd

Dixon™ (Asia Pacific) Pty Ltd



Dixon™ Group Europe Limited



