

# Dry Disconnects

## Cam and Groove Style Dry Disconnect Couplings

<b>Application:</b>	Dry disconnects help prevent spillage from normal or accidental disconnection of the connection. A spring loaded sealing device is designed to snap closed should the valve become disconnected with the poppet open, significantly limiting liquid loss.
<b>Standards:</b>	Manufactured to interchange with other cam and groove type dry disconnect couplings. Canadian registration number CRN #OH14044 all provinces, 3" size rated to 80 PSI for CRN required applications.
<b>Materials:</b>	Zinc, aluminum or stainless steel bodies with buna <sup>1</sup> , FKM <sup>1</sup> , FKM-B <sup>1</sup> , PTFE encapsulated silicone <sup>1</sup> , EPT (EPDM) <sup>1</sup> , FFKM, PTFE encapsulated FKM and PTFE seals, see part number chart for full seal selection. Contact Dixon® at 877-963-4966 for working pressures at temperatures other than <b>70°F (21°C)</b> and for chemical compatibility, size and material selection. Stainless steel corrosion resistance is equivalent to 304 stainless steel
<b>Features &amp; Benefits:</b>	<ul style="list-style-type: none"> <li>• Helps eliminate the possibility of costly spills</li> <li>• Compatible with most other brands of cam and groove style dry disconnects</li> <li>• Special configurations can be designed for your application</li> <li>• Female NPT or 150# flanged connections</li> </ul> <p><b>DBA Adapters</b></p> <ul style="list-style-type: none"> <li>• Two-piece adapter design for easy rebuilding of adapters</li> <li>• Stainless steel parts have a stainless steel piston.</li> <li>• Adapters below are used with the DBC or D2C couplers shown on pages 36 and 37.</li> <li>• Use standard cam and groove dust caps sized one size larger than the dry disconnect size, see chart below for dust cap size selection.</li> </ul> <p><b>DBC Couplers</b></p> <ul style="list-style-type: none"> <li>• Large paddle type locking cam arms standard on 3" fittings, allow for an easy grip</li> <li>• DBC series have automatic closing poppet assembly.</li> <li>• Heavy duty stainless steel crank and link provide long service life.</li> <li>• Stainless steel handle assembly allows exposure to corrosive chemicals or wash down service.</li> <li>• Strong handle attachment prevents bending of crank assembly.</li> <li>• Aluminum couplers have stainless steel internal parts.</li> <li>• EZ Boss-Lock™ cam arms standard on all 1½" and 2" fittings, provide high security from accidental opening due to vibration or snagging. Very easy to use, just close the arms and they lock, to open simply lift the lever (possible even with gloves on).</li> </ul>

<sup>1</sup> Dependent upon part #, see part number list below for more details



DBA71-200



DBA11-300

### Female NPT Adapters

Female NPT Size	Adapter Size	Seal Material	Max PSI @ 70°F (21°C)	Aluminum Part #	Zinc/Aluminum Part #	Competitor Part #	Stainless Steel Part # <sup>2</sup>	Competitor Part #
1½"	2"	Buna	210	---	<b>DBA11-150</b>	1611AN-AL15	<b>DBA71-150</b>	1671AN-SS15
2"	2½"	Buna	150	<b>DBA61-200</b>	<b>DBA11-200</b>	1611AN-AL20	<b>DBA71-200</b>	1671AN-SS20
3"	4"	Buna	120	---	<b>DBA11-300</b>	1611AN-AL30	<b>DBA71-300</b>	1671AN-SS30
1½"	2"	FKM	210	---	<b>DBA12-150</b>	1612AN-AL15	<b>DBA72-150</b>	1672AN-SS15
2"	2½"	FKM	150	<b>DBA62-200</b>	<b>DBA12-200</b>	1612AN-AL20	<b>DBA72-200</b>	1672AN-SS20
3"	4"	FKM	120	---	<b>DBA12-300</b>	1612AN-AL30	<b>DBA72-300</b>	1672AN-SS30
1½"	2"	PTFE encapsulated silicone	210	<b>DBA63-150</b>	---	1613AN-AL15	<b>DBA73-150</b>	1673AN-SS15
2"	2½"	PTFE encapsulated silicone	150	<b>DBA63-200</b>	---	1613AN-AL20	<b>DBA73-200</b>	1673AN-SS20
3"	4"	PTFE encapsulated silicone	120	<b>DBA63-300</b>	---	1613AN-AL30	<b>DBA73-300</b>	1673AN-SS30
1½"	2"	EPDM	210	<b>DBA64-150</b>	---	1614AN-AL15	<b>DBA74-150</b>	1674AN-SS15
2"	2½"	EPDM	150	<b>DBA64-200</b>	---	1614AN-AL20	<b>DBA74-200</b>	1674AN-SS20
3"	4"	EPDM	120	<b>DBA64-300</b>	---	1614AN-AL30	<b>DBA74-300</b>	1674AN-SS30
1½"	2"	FFKM	210	<b>DBA66-150</b>	---	1616AN-AL15	<b>DBA76-150</b>	1676AN-SS15
2"	2½"	FFKM	150	<b>DBA66-200</b>	---	1616AN-AL20	<b>DBA76-200</b>	1676AN-SS20
3"	4"	FFKM	120	<b>DBA66-300</b>	---	1616AN-AL30	<b>DBA76-300</b>	1676AN-SS30
1½"	2"	PTFE encapsulated FKM	210	<b>DBA67-150</b>	---	1617AN-AL15	<b>DBA77-150</b>	1677AN-SS15
2"	2½"	PTFE encapsulated FKM	150	<b>DBA67-200</b>	---	1617AN-AL20	<b>DBA77-200</b>	1677AN-SS20
3"	4"	PTFE encapsulated FKM	120	<b>DBA67-300</b>	---	1617AN-AL30	<b>DBA77-300</b>	1677AN-SS30
2"	2½"	FKM-GFLT	150	---	---	---	<b>DBA78-200</b>	---
3"	4"	FKM-B	120	<b>DBA69-300</b>	---	1619AN-AL30	<b>DBA79-300</b>	1679AN-SS30

<sup>2</sup> Stainless steel corrosion resistance is comparable to 304 stainless steel.

See pages 108 and 109 for repair kits and replacement parts  
 Product instruction sheets and technical data can be viewed on our website at [dixonvalve.com](http://dixonvalve.com)

# Dry Disconnects

## Jump Size Female NPT Adapters

Female NPT Size	Adapter Size	Dry Disconnect Body Size	Seal Material	Max PSI @ 70°F (21°C)	Zinc/Aluminum Part #	Competitor Part #
2"	2"	1½"	Buna	150	<b>DBA11-1520</b>	-
2"	2"	1½"	FKM	150	<b>DBA12-1520</b>	-

See pages 108 for replacement parts.



DBA12-1520

## Female NPS Vapor Adapter

Female NPSM Size	Adapter Size	Dry Disconnect Body Size	Seal Material	Max PSI @ 70°F (21°C)	Stainless Steel Part #	Competitor Part #
3"	2½"	2"	PTFE	150	<b>DBAV73-2030</b>	2173AVN

See page 110 for replacement parts.



DBAV73-2030

## 150# Flange Adapters

Flange Size	Adapter Size	Dry Disconnect Body Size	Seal Material	Max PSI @ 70°F (21°C)	Stainless Steel Part #	Competitor Part #
2"	2"	1½"	Buna	150	<b>DBAF71-1520</b>	1671ANF-SS15
2"	2½"	2"	Buna	150	<b>DBAF71-200</b>	1671ANF-SS20
3"	4"	3"	Buna	120	<b>DBAF71-300</b>	1671ANF-SS30
2"	2"	1½"	FKM	150	<b>DBAF72-1520</b>	1672ANF-SS15
2"	2½"	2"	FKM	150	<b>DBAF72-200</b>	1672ANF-SS20
3"	4"	3"	FKM	120	<b>DBAF72-300</b>	1672ANF-SS30
2"	2"	1½"	PTFE encapsulated silicone	150	<b>DBAF73-1520</b>	1673ANF-SS15
2"	2½"	2"	PTFE encapsulated silicone	150	<b>DBAF73-200</b>	1673ANF-SS20
3"	4"	3"	PTFE encapsulated silicone	120	<b>DBAF73-300</b>	1673ANF-SS30
2"	2"	1½"	EPDM	150	<b>DBAF74-1520</b>	1674ANF-SS15
2"	2½"	2"	EPDM	150	<b>DBAF74-200</b>	1674ANF-SS20
3"	4"	3"	EPDM	120	<b>DBAF74-300</b>	1674ANF-SS30
2"	2"	1½"	FFKM	150	<b>DBAF76-1520</b>	1676ANF-SS15
2"	2½"	2"	FFKM	150	<b>DBAF76-200</b>	1676ANF-SS20
3"	4"	3"	FFKM	120	<b>DBAF76-300</b>	1676ANF-SS30
2"	2½"	2"	FKM-GFLT	150	<b>DBAF78-200</b>	---

Note: Stainless steel corrosion resistance is comparable to 304 stainless steel.

See page 109 for replacement parts.



DBAF72-200

Product instruction sheets and technical data can be viewed on our website at [dixonvalve.com](http://dixonvalve.com)

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## Cam and Groove Style Dry Disconnect Couplings



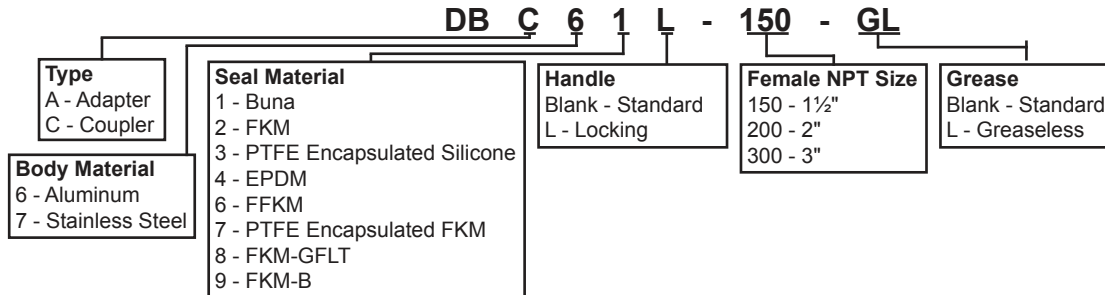
DBC61-150



DBC61-300

### Female NPT Couplers

Female NPT Size	Coupler Size	Seal Material	Max PSI @ 70°F (21°C)	Aluminum Part #	Competitor part # (New & Old)	Stainless Steel Part #	Competitor Part # (New & Old)
1½"	2"	Buna	210	<b>DBC61-150</b>	1711DL-AL15 / 1761D-AL15	<b>DBC71-150</b>	1771DL-SS15 / 1771D-SS15
2"	2½"	Buna	150	<b>DBC61-200</b>	1711DL-AL20 / 1761D-AL20	<b>DBC71-200</b>	1771DL-SS20 / 1771D-SS20
3"	4"	Buna	120	<b>DBC61-300</b>	1711DL-AL30 / 1761D-AL30	<b>DBC71-300</b>	1771DL-SS30 / 1771D-SS30
1½"	2"	FKM	210	<b>DBC62-150</b>	1712DL-AL15 / 1762D-AL15	<b>DBC72-150</b>	1772DL-SS15 / 1772D-SS15
2"	2½"	FKM	150	<b>DBC62-200</b>	1712DL-AL20 / 1762D-AL20	<b>DBC72-200</b>	1772DL-SS20 / 1772D-SS20
3"	4"	FKM	120	<b>DBC62-300</b>	1712DL-AL30 / 1762D-AL30	<b>DBC72-300</b>	1772DL-SS30 / 1772D-SS30
1½"	2"	PTFE encapsulated silicone	210	<b>DBC63-150</b>	1713DL-AL15 / 1763D-AL15	<b>DBC73-150</b>	1773DL-SS15 / 1773D-SS15
2"	2½"	PTFE encapsulated silicone	150	<b>DBC63-200</b>	1713DL-AL20 / 1763D-AL20	<b>DBC73-200</b>	1773DL-SS20 / 1773D-SS20
3"	4"	PTFE encapsulated silicone	120	<b>DBC63-300</b>	1713DL-AL30 / 1763D-AL30	<b>DBC73-300</b>	1773DL-SS30 / 1773D-SS30
1½"	2"	(EPDM)	210	<b>DBC64-150</b>	1714DL-AL15 / 1764D-AL15	<b>DBC74-150</b>	1774DL-SS15 / 1774D-SS15
2"	2½"	(EPDM)	150	<b>DBC64-200</b>	1714DL-AL20 / 1764D-AL20	<b>DBC74-200</b>	1774DL-SS20 / 1774D-SS20
3"	4"	(EPDM)	120	<b>DBC64-300</b>	1714DL-AL30 / 1764D-AL30	<b>DBC74-300</b>	1774DL-SS30 / 1774D-SS30
1½"	2"	FFKM	210	<b>DBC66-150</b>	1716DL-AL15 / 1766D-AL15	<b>DBC76-150</b>	1776DL-SS15 / 1776D-SS15
2"	2½"	FFKM	150	<b>DBC66-200</b>	1716DL-AL20 / 1766D-AL20	<b>DBC76-200</b>	1776DL-SS20 / 1776D-SS20
3"	4"	FFKM	120	<b>DBC66-300</b>	1716DL-AL30 / 1766D-AL30	<b>DBC76-300</b>	1776DL-SS30 / 1776D-SS30
1½"	2"	PTFE encapsulated FKM	210	<b>DBC67-150</b>	1717DL-AL15 / 1767D-AL15	<b>DBC77-150</b>	1777DL-SS15 / 1777D-SS15
2"	2½"	PTFE encapsulated FKM	150	<b>DBC67-200</b>	1717DL-AL20 / 1767D-AL20	<b>DBC77-200</b>	1777DL-SS20 / 1777D-SS20
3"	4"	PTFE encapsulated FKM	120	<b>DBC67-300</b>	1717DL-AL30 / 1767D-AL30	<b>DBC77-300</b>	1777DL-SS30 / 1777D-SS30
2"	2½"	FKM-GFLT	150	-	-	<b>DBC78-200</b>	-
3"	4"	FKM-B	120	<b>DBC69-300</b>	1719DL-AL30 / 1769D-AL30	<b>DBC79-300</b>	1779DL-SS30 / 1779D-SS30



### Greaseless Female NPT Couplers

Female NPT Size	Coupler Size	Seal Material	Max PSI @ 70°F (21°C)	Stainless Steel Part #	Competitor Part # (New and Old)
1½"	2"	PTFE Encapsulated FKM	210	<b>DBC77-150-GL</b>	1777DL-SS15-GL / 177D-SS15-GL
2"	2½"	PTFE Encapsulated FKM	150	<b>DBC77-200-GL</b>	1777DL-SS20-GL / 177D-SS20-GL

Note: Stainless steel corrosion resistance is comparable to 304 stainless steel.

### Female NPT Swivel Couplers



DBS61-200

Female NPT Size	Coupler Size	Seal Material	Max PSI @ 70°F (21°C)	Aluminum Part #	Competitor Part # (New and Old)
2"	2½"	Buna	150	<b>DBS61-200</b>	1711ESL-AL20 / 1711ES-0200
2"	2½"	FKM	150	<b>DBS62-200</b>	1712ESL-AL20 / 1712ES-0200
2"	2½"	PTFE encapsulated silicone	150	<b>DBS63-200</b>	-

See pages 114 - 124 for repair kits and replacement parts  
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# Dry Disconnects

## Valve Handle Locking Kits

Part #	Description
<b>DBCL-200</b>	valve handle locking kit for 1½" & 2" couplers
<b>DBCL-300</b>	valve handle locking kit for 3" couplers



DBCL-200

## Cam and Groove Style Dry Disconnect D2C Couplings

<b>Application:</b>	Dry disconnects help prevent spillage from normal or accidental disconnection of the connection. D2C series couplings are similar to the DBC series as shown on page 23, except the D2C do not have an internal seal cylinder, therefore the couplings do not automatically close. The D2C couplers are suited to vapor recovery, suction pump and applications where it is necessary to easily drain the hose or piping for cleaning. They can also be used when product retention in hose or pipe is desired, but environmental damage from an open coupling is not a threat.
<b>Standards:</b>	Use with Dixon Bayco DBA series adapters. Manufactured to interchange with other cam and groove type dry disconnect couplings.
<b>Materials:</b>	316 Stainless steel bodies with Buna <sup>1</sup> , FKM <sup>1</sup> , FKM-B <sup>1</sup> , PTFE encapsulated silicone <sup>1</sup> , EPT (EPDM) <sup>1</sup> , FFKM, PTFE encapsulated FKM seals, see part number chart for full seal selection. Contact Dixon® at 877-963-4966 for working pressures at temperatures other than 70°F (21°C) and for chemical compatibility, size, and material selection.
<b>Features &amp; Benefits:</b>	<ul style="list-style-type: none"> <li>• Helps eliminate the possibility of costly spills</li> <li>• Compatible with most other brands of cam and groove style dry disconnects</li> <li>• Special configurations can be designed for your application</li> <li>• Female NPT</li> <li>• Couplers below are used with the DBA adapters shown on pages 21 and 22.</li> <li>• Use standard cam and groove dust plugs, sized one size larger than the dry disconnect size, see chart below for dust plug size selection.</li> <li>• Stainless steel valve handle locking kit included on valve handle.</li> <li>• EZ Boss-lock™ automatic locking cam arms provide added security from accidental opening due to cam arms getting snagged or vibration. Very easy to use, just close the arms and they lock, to open simply lift the lever (possible even with gloves on).</li> </ul>

<sup>1</sup> Dependent upon part #, see part number list below for more details.

## Female NPT Couplers

Female NPT Size	Coupler Size	Seal Material	Max PSI @ 70°F (21°C)	Stainless Steel Part #	Competitor Part #
1½"	2"	Buna	210	<b>D2C71-150</b>	2271D-SS15
2"	2½"	Buna	150	<b>D2C71-200</b>	2271D-SS20
1½"	2"	FKM	210	<b>D2C72-150</b>	2272D-SS15
2"	2½"	FKM	150	<b>D2C72-200</b>	2272D-SS20
1½"	2"	PTFE encapsulated silicone	210	<b>D2C73-150</b>	2273D-SS15
2"	2½"	PTFE encapsulated silicone	150	<b>D2C73-200</b>	2273D-SS20
1½"	2"	EPDM	210	<b>D2C74-150</b>	2274D-SS15
2"	2½"	EPDM	150	<b>D2C74-200</b>	2274D-SS20



D2C71-150



D2C71-200

See page 122 for repair kits and replacement parts  
Product instruction sheets and technical data can be viewed on our website at [dixonvalve.com](http://dixonvalve.com)



# Dry Disconnects

## Bayonet Style Dry Disconnect Couplings

<b>Application:</b>	Bayonet dry disconnect fittings are ideally suited for the spill-less transfer of petroleum products such as fuel oil, lube oil blending, and tank truck delivery. The design of the Bayco bayonet dry disconnect system ensures a spill free connection, fluid cannot flow until couplings are connected together and the valve is opened. The coupling can then not be disconnected until the valve handle is closed.
<b>Standards:</b>	Manufactured to interchange with other brands of bayonet type dry disconnect couplings. Canadian registration number CRN #OH14055 all provinces.
<b>Materials:</b>	Adapters have anodized aluminum <sup>1</sup> , brass <sup>1</sup> or stainless steel <sup>1</sup> bodies with either anodized aluminum <sup>1</sup> or brass <sup>1</sup> poppet valves. Couplers are aluminum. Adapters and couplers are available with either buna or FKM seals. <sup>1</sup> Dependent upon part #, see part number list below for more details.
<b>Features &amp; Benefits:</b>	<ul style="list-style-type: none"> <li>• Helps eliminate the possibility of costly spills</li> <li>• Compatible with most other brands of bayonet style dry disconnects</li> <li>• Female NPT</li> <li>• Rubber dust caps and plugs with stainless steel chains are available to protect the adapters and couplers from contamination and damage</li> <li>• Maximum operating pressure: <b>85 PSI at 75°F</b>, for pressure ratings at other temperatures contact Dixon®.</li> </ul>



BA32-200



BA62-300

### Female NPT Adapters

Female NPT Size	Seal Material	Description	Part #	Competitors Part #	Rubber Dust Cap Part #
2"	Buna	stainless steel body with brass poppet valve	<b>BA31-200</b>	J72A-BBN0-B / J72A-ABN0-B	<b>BAC-200</b>
2"	FKM	stainless steel body with brass poppet valve	<b>BA32-200</b>	J72A-BVN0-B / J72A-AVN0-B	<b>BAC-200</b>
3"	Buna	brass body and poppet valve	<b>BA31-300</b>	J73A-BBN0-B	<b>BAC-300</b>
3"	FKM	brass body and poppet valve	<b>BA32-300</b>	J73A-BVN0-B	<b>BAC-300</b>
3"	Buna	anodized aluminum body and poppet valve	<b>BA61-300</b>	J73A-ABN0-B	<b>BAC-300</b>
3"	FKM	anodized aluminum body and poppet valve	<b>BA62-300</b>	J73A-AVN0-B	<b>BAC-300</b>

See page 123 for replacement parts.



BC61-200



BSS61-300



BS61-300

### Female NPT Couplers

Female NPT Size	Seal Material	Description	Part #	Competitors Part #	Rubber Dust Plug Part #
2"	Buna	anodized aluminum body with straight non-swiveling NPT connection	<b>BC61-200</b>	J72C-ABNO-B	<b>BCP-200</b>
2"	FKM	anodized aluminum body with straight non-swiveling NPT connection	<b>BC62-200</b>	J72C-AVNO-B	<b>BCP-200</b>
2"	Buna	aluminum body with straight swiveling NPT connection	<b>BSS61-200</b>	J72C-ABN1-B	<b>BCP-200</b>
2"	FKM	aluminum body with straight swiveling NPT connection	<b>BSS62-200</b>	J72C-AVN1-B	<b>BCP-200</b>
2"	Buna	aluminum body with 90° swiveling NPT connection	<b>BS61-200</b>	J72C-ABN2-B	<b>BCP-200</b>
2"	FKM	aluminum body with 90° swiveling NPT connection	<b>BS62-200</b>	J72C-AVN2-B	<b>BCP-200</b>
3"	Buna	aluminum body with straight swiveling NPT connection	<b>BSS61-300</b>	J73C-ABN1-B	<b>BCP-300</b>
3"	FKM	aluminum body with straight swiveling NPT connection	<b>BSS62-300</b>	J73C-AVN1-B	<b>BCP-300</b>
3"	Buna	aluminum body with 90° swiveling NPT connection	<b>BS61-300</b>	J73C-ABN2-B	<b>BCP-300</b>
3"	FKM	aluminum body with 90° swiveling NPT connection	<b>BS62-300</b>	J73C-AVN2-B	<b>BCP-300</b>

See pages 124 - 126 for repair kits and replacement parts  
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