

Safety Break-away Coupling - Breaking Bolt Series Marine Version

Applications:

- designed to minimize spillage and damage associated with pull-away incidents
- typical applications include: ship-to-offshore platform and ship-to-ship product transfer operations
- designed to be installed within a hose string where the coupling will have a length of hose attached to both sides**

Features:

- coupling automatically senses an excessive load, closes the valves and disconnects, release is executed when force causes bolts to break
- working pressure: **360 PSI** at ambient temperature (70°F)
- 316T1 stainless steel body with FKM (FPM) O-rings
- female NPT is standard, optional ANSI / DIN flanges or male NPT are available



Size	Width	Length	Weight in Lbs.	Flow Rate/GPM
2"	4.5"	7"	5.7	200
3"	6.8"	11"	18.8	650
4"	8.3"	12"	34.1	800
5"	10.6"	14"	71	1100
6"	12"	16"	101	1500
8"	13.5"	17.7"	157	3700

Female NPT x Female NPT



Size	DN Size	316 Stainless Steel	
		Part #	Price/E
2"	50	MSBC200SS	\$4400.20
3"	80	MSBC300SS	7781.65
4"	100	MSBC400SS	11958.30
5"	125	MSBC500SS	21927.00

Male NPT x Male NPT



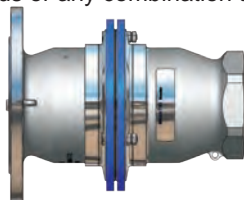
Size	DN Size	316 Stainless Steel	
		Part #	Price/E
2"	50	MSBC200SSMNPT	\$4408.00
3"	80	MSBC300SSMNPT	8238.40
4"	100	MSBC400SSMNPT	11716.00
5"	125	MSBC500SSMNPT	21927.00
6"	150	MSBC600SSMNPT	42640.00

150# Flange x 150# Flange

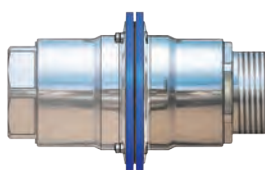


Size	DN Size	316 Stainless Steel	
		Part #	Price/E
2"	50	MSBC200SSFL	\$6212.80
3"	80	MSBC300SSFL	12722.00
4"	100	MSBC400SSFL	19406.00
5"	125	MSBC500SSFL	24142.00
6"	150	MSBC600SSFL	38693.00
8"	200	MSBC800SSFL	87475.00

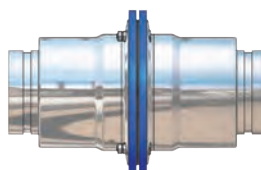
Industrial and marine safety break-away couplings are also available in BSP thread, DN Flange, 300# ASA Flange, Grooved Ends or any combination thereof, contact Dixon for more information.



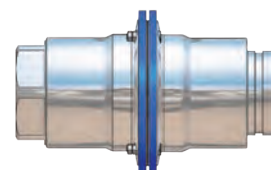
flange / thread
(BSP/NPT female / male or grooved)



NPT female thread / NPT male thread
(also available with BSP)



grooved / grooved



NPT female thread / grooved

Safety Break-away Coupling - Breaking Bolt Series Industrial Version

Application:

- designed to minimize spillage and damage associated with pull-away incidents
- typical applications: loading rack
- designed to be installed between a fixed point (pipe, pump, manifold) and a hose**

Features:

- coupling automatically senses an excessive load, closes the valves and disconnects
- high flow rate / low pressure drop
- working pressure: stainless steel **360 PSI** and aluminum **230 PSI** at ambient temperature (70°F)
- FKM (FPM) is standard seal
- female NPT is standard, optional ANSI / DIN flanges or male NPT are available



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Size	Width	Length	Weight in Lbs.		Flow Rate/GPM
			Stainless	Aluminum	
2"	4.5"	7"	5	3	200
3"	6.8"	11"	18	8	650
4"	8.3"	12"	34	14	800
5"	10.6"	14"	71	27	1100
6"	12"	16"	101	35	1500
8"	13.5"	17.7"	157	66	3700

Female NPT x Female NPT

Size	DN Size	316 Stainless Steel		Aluminum	
		Part #	Price/E	Part #	Price/E
2"	50	SBC200SS	\$3667.85	SBC200AL	\$1711.90
3"	80	SBC300SS	6484.90	SBC300AL	3324.85
4"	100	SBC400SS	9960.10	SBC400AL	5085.10
5"	125	SBC500SS	18798.00	SBC500AL	11746.00
6"	150	SBC600SS	33608.90	SBC600AL	24709.70



Male NPT x Male NPT

Size	DN Size	316 Stainless Steel		Aluminum	
		Part #	Price/E	Part #	Price/E
2"	50	SBC200SSMNPT	\$3850.80	SBC200ALMNPT	\$1891.30
3"	80	SBC300SSMNPT	7044.00	SBC300ALMNPT	3610.70
4"	100	SBC400SSMNPT	10818.00	SBC400ALMNPT	5523.40
5"	125	SBC500SSMNPT	19352.00	SBC500ALMNPT	10744.00
6"	150	SBC600SSMNPT	36453.00	SBC600ALMNPT	24043.00



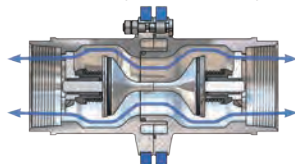
150# Flange x 150# Flange

Size	DN Size	316 Stainless Steel		Aluminum	
		Part #	Price/E	Part #	Price/E
2"	50	SBC200SSFL	\$5181.35	SBC200ALFL	\$3512.40
3"	80	SBC300SSFL	10602.00	SBC300ALFL	4512.70
4"	100	SBC400SSFL	16172.00	SBC400ALFL	5576.30
5"	125	SBC500SSFL	21566.00	SBC500ALFL	12832.00
6"	150	SBC600SSFL	35420.00	SBC600ALFL	25912.00
8"	200	SBC800SSFL	76732.20	---	---



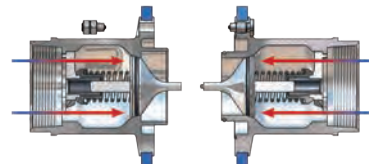
How it Works

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



BEFORE emergency disconnect

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



AFTER emergency disconnect

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

Optional Non-Closure Design

The non-closure design is an economical alternative which allows the coupling to break away due to pull-away/drive-away incidents thus protecting piping systems and equipment. This design allows spillage of product in these instances due to the lack of valving in the coupling. Useful in applications where non-hazardous product is being conveyed and where there are no environmental concerns. Available in both Industrial and Marine versions. Consult Dixon for more information.

Dry Disconnect Couplings

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Applications:

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

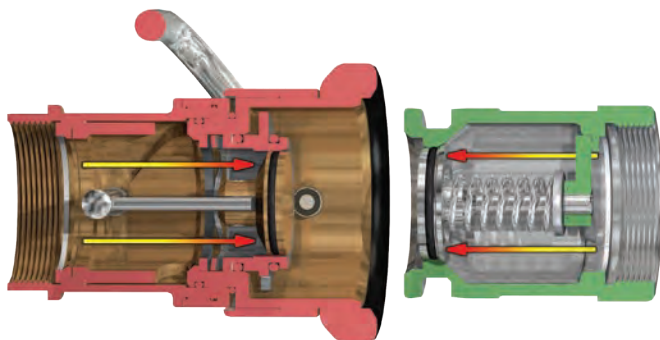
Features:

- easy to handle - push and turn - free flow, turn and pull - closed
- time saving - no need to drain hoses or pipe systems
- economical - no loss or spillage of liquids at connection or disconnection
- safety - the valve cannot be opened until the unit is coupled
- environmental friendly - accidental spillage eliminated when proper used
- safe and reliable - due to rugged construction
- product life - uncomplicated design and high quality materials ensures long product life
- selectivity - To avoid product contamination caused by connecting a coupler to the wrong adapter, selective versions of the adapters are available. Contact Dixon for further information.
- produced according to NATO standard STANAG 3756 and ATOFINA SGM 2049.TUY.C.
- working pressure (at ambient temperature (70°F):
 - aluminum: **300 PSI**, up to 4"
 - brass/ gunmetal¹: **300 PSI**, up to 4"
 - stainless steel: **360 PSI**
- optional seals:
 - EPDM
 - NBR - nitrile
 - Kalrez®
 - Chemraz®
 - FFKM
- seal kits are available
- interchanges with Avery Hardoll and Todo-matic®

¹ produced to US government bronze specification G

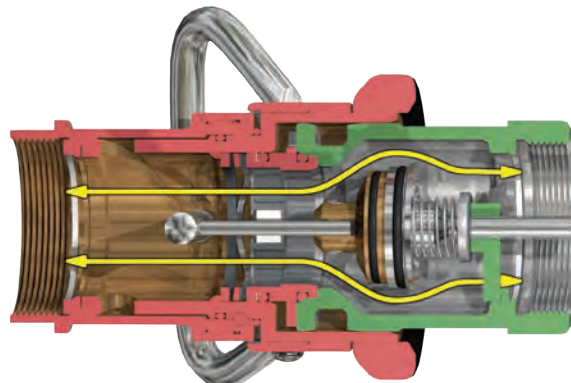
How it Works

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



Closed:

- Turn and pull
it's released - no spillage



Open:

- Push and turn
it's coupled - full flow

Dry Quick Disconnect Couplers

Features:

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

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Coupler - Hose Unit



3/4" and 1"



1 1/2" and 2"



3"



3" with flange



4"



6"

coupler x female NPT with FKM (FPM) seals

Female NPT	Body Size	316 Stainless Steel		Aluminum		Brass / Gunmetal ¹	
		Part #	Price/E	Part #	Price/E	Part #	Price/E
3/4"	56 mm	DDC075SS	\$2197.65	DDC075AL	\$1147.30	DDC075BR	\$1606.80
1"	56 mm	DDC100SS	2197.65	DDC100AL	1147.30	DDC100BR	1606.80
1 1/2"	70 mm	DDC150SS	3378.10	DDC150AL	1667.50	DDC150BR	2002.35
2"	70 mm	DDC200SS	3378.10	DDC200AL	1667.50	DDC200BR	2002.35
3"	105 mm	DDC300SS105	5855.10	DDC300AL105	1869.60	DDC300GM105	2649.70
3"	119 mm	DDC300SS	5884.20	DDC300AL	1885.50	DDC300GM	2957.05
4"	164 mm	DDC400SS	10138.40	DDC400AL	3958.40	DDC400GM	5372.75
6"	238 mm	DDC600SS	26951.50	DDC600AL	16356.30	---	---

¹ produced to US government bronze specification G

coupler x 150# ASA flange with FKM (FPM) seals

150# Flange	Body Size	316 Stainless Steel	
		Part #	Price/E
2"	70 mm	DDC200SSFL	\$5280.30
3"	119 mm	DDC300SSFL	8185.50
4"	164 mm	DDC400SSFL	12896.15
6"	238 mm	DDC600SSFL	26951.50
8"	272 mm	DDC800SSFL	98020.00



2"



3" only

coupler x TTMA flange with FKM (FPM) seals

TTMA Flange	Body Size	Aluminum	
		Part #	Price/E
4"	164 mm	DDC400AL164TTMA	\$5141.00



NEW
2014

Dust Plugs for Couplers

Size	Body Size	Polyeten PE-HD 300	
		Part #	Price/E
3/4" and 1"	56 mm	DDDP075	\$108.40
1 1/2" and 2"	70 mm	DDDP150	112.40
3"	105 mm	DDDP300105	116.00
3"	119 mm	DDDP300	116.00
4"	164 mm	DDDP400	232.40
6"	238 mm	DDDP600 ¹	700.00

¹ 6" dust plug is aluminum



Dry Quick Disconnect Adapters

Application:

- usually installed on the tank or manifold

Features:

- conical valve seat reduces the risk for piston blow out
- PTFE bearing between piston shaft and guide eliminates risk of seizure
- aluminum adapter: aluminum poppet, stainless steel internal parts
- stainless steel adapter: stainless steel poppet, stainless steel internal parts
- brass / gunmetal ¹ adapter: brass poppet, brass and stainless steel internal parts
- available in female NPT, 150# ASA flange or TTMA
- composite (Polyeten PE-HD 300) cap to provide good protection in harsh environments
- FKM (FPM) gaskets standard on polyeten caps

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female NPT x adapter



150# flange x adapter



TTMA flange x adapter

Adapter - Tank Unit

adapter x female NPT with FKM (FPM) seals

Female NPT	Body Size	316 Stainless Steel		Aluminum		Brass / Gunmetal ¹	
		Part #	Price/E	Part #	Price/E	Part #	Price/E
3/4"	56 mm	DDA075SS	\$800.10	DDA075AL	\$576.70	DDA075BR	\$654.40
1"	56 mm	DDA100SS	800.10	DDA100AL	576.70	DDA100BR	654.40
1 1/2"	70 mm	DDA150SS	1185.80	DDA150AL	526.95	DDA150BR	592.40
2"	70 mm	DDA200SS	1185.80	DDA200AL	526.95	DDA200BR	592.40
3"	105 mm	DDA300SS105	1639.50	DDA300AL105	637.60	DDA300GM105	855.50
3"	119 mm	DDA300SS	1558.60	DDA300AL	652.05	DDA300GM	896.50
4"	164 mm	DDA400SS	2941.45	DDA400AL	1283.95	DDA400GM	2017.00
6"	238 mm	DDA600SS	11513.70	DDA600AL	7465.20	---	---

adapter x 150# ASA flange with FKM (FPM) seals

150# Flange	Body Size	316 Stainless Steel		Aluminum		Brass / Gunmetal ¹	
		Part #	Price/E	Part #	Price/E	Part #	Price/E
3/4"	56 mm	DDA075SSFL	\$1489.10	---	---	---	---
1"	56 mm	DDA100SSFL	1489.10	DDA100ALFL	\$1024.95	DDA100BRFL	\$1164.90
1 1/2"	70 mm	DDA150SSFL	1568.85	DDA150ALFL	814.65	DDA150BRFL	1144.50
2"	70 mm	DDA200SSFL	1568.85	DDA200ALFL	814.65	DDA200BRFL	1144.50
3"	105 mm	DDA300SS105FL	1725.65	DDA300AL105FL	947.15	DDA300GM105FL	1255.25
3"	119 mm	DDA300SSFL	2128.65	DDA300ALFL	1076.30	DDA300GMFL	1368.45
4"	164 mm	DDA400SSFL	3565.35	DDA400ALFL	1510.35	DDA400GMFL	2459.10
6"	238 mm	DDA600SSFL	11513.70	DDA600ALFL	5318.55	---	---
8"	272 mm	DDA800SSFL	42008.00	---	---	---	---

¹ produced to US government bronze specification G

adapter x TTMA flange with FKM (FPM) seals

TTMA Flange	Body Size	Aluminum	
		Part #	Price/E
3"	105 mm	DDA300AL105TTMA	\$976.20
3"	119 mm	DDA300AL119TTMA	1076.30
4"	164 mm	DDA400AL164TTMA	1510.35

Dust Caps for Adapters



dust cap - composite



dust cap - rubber

Size	Body Size	Polyeten PE-HD 300	
		Part #	Price/E
3/4" and 1"	56 mm	DDDC075	\$175.80
1 1/2" and 2"	70 mm	DDDC150	192.55
3"	105 mm	DDDC300105	212.60
3"	119 mm	DDDC300	236.40
4"	164 mm	DDDC400	444.70
6"	238 mm	DDDC600 ¹	1650.55

¹ 6" dust cap is aluminum

Size	Body Size	Rubber	
		Part #	Price/E
2"	71 mm	DGDC200	\$100.85
3"	119 mm	DGDC300	119.60

Dry Aviation Couplings

Applications:

- designed for use in aviation refueling systems

Features:

- body: high strength aluminum
- coupling ring: gunmetal (*procured to U.S. government bronze specification G*)
- bayonet flange and inner parts: stainless steel, aluminum
- all wetted parts are aluminum and stainless steel
- working pressure: **150 PSI** at ambient temperature (70°F)
- composite (Polyeten PE-HD 300) plug to provide good protection in harsh environments
- accepts international standard 2½" point bayonet, hose end refueling nozzles according to: ISO45 / MS24484 / STANAG 3105 / British Aerospace Spec. 2C14, **they are not configured for under-wing refueling**

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Coupler - Hose Unit

Features:

- stainless steel ball bearings
- gunmetal coupling ring minimizes the risk of seizure
- stainless steel shaft journal embedded in PTFE to eliminate seizure
- PTFE bearings between the driving plate and the piston guide eliminate the risk of seizure
- riveted piston pin minimizes the risk of failure under extreme pressure conditions
- the protective ring is a specially formulated, weather resistant and electrically conductive rubber compound

coupler x female NPT with FKM (FPM) seals

Female NPT	Body Size	Aluminum	
		Part #	Price/E
2½"	ISO 45	DAC250AL	\$2204.90
3"	ISO 45	DAC300AL	2204.90

coupler x female BSP with FKM (FPM) seals

Female BSP	Body Size	Aluminum	
		Part #	Price/E
2½"	ISO 45	DAC250ALBSP	\$2204.90
3"	ISO 45	DAC300ALBSP	2204.90



female thread x coupler

Sight Flow Indicator with Filter / Screen

Features:

- filter / screen can be inspected through the sight glass and is easily removed if cleaning is required
- screen is 100 mesh

aviation sight flow indicator with filter / screen

Female Thread	Male Thread	Aluminum	
		Part #	Price/E
2½" NPT	2½" BSP	ASFI25T25B	\$1313.75
3" NPT	3" BSP	ASFI30T30B	1313.75
2½" NPT	2½" NPT	ASFI25T25T	1313.75
3" NPT	3" NPT	ASFI30T30T	1313.75



Dust Plug for Couplers

Size	Body Size	Polyeten PE-HD 300	
		Part #	Price/E
2½"	ISO 45	DADP250	\$272.85



Dry Aviation Couplings

Application:

- designed for use in aviation refueling systems

Features:

- body: high strength aluminum
- coupling ring: gunmetal
- bayonet flange and inner parts: stainless steel, aluminum
- all wetted parts are in aluminum and stainless steel
- working pressure: **150 PSI** at ambient temperature (70°F)
- composite (Polyeten PE-HD 300) cap to provide good protection in harsh environments
- accepts international standard 2½" point bayonet hose end refueling nozzles according to: ISO45 / MS24484 / STANAG 3105 / British Aerospace Spec. 2C14, **not configured for under-wing refueling**

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Adapter - Tank Unit

Features:

- gunmetal coupling ring minimizes the risk of seizure
- PTFE bearings between the piston shaft and the piston guide eliminate the risk of seizure
- conical valve seat eliminates the risk of piston blow out when extreme pressure is used



female thread x adapter

adapter x female NPT with FKM (FPM) seals

Female NPT	Body Size	Aluminum	
		Part #	Price/E
2½"	ISO 45	DAA250AL	\$1305.50
3"	ISO 45	DAA300AL	1305.50



150# flange x adapter

adapter x 150# ASA flange with FKM (FPM) seals

150# Flange	Body Size	Aluminum	
		Part #	Price/E
2½"	ISO 45	DAA250ALFL	\$1513.05
3"	ISO 45	DAA300ALFL	1513.05

Dust Cap for Adapters



Size	Body Size	Polyeten PE-HD 300	
		Part #	Price/E
2½"	ISO 45	DADC250	\$186.90

Dry Break Cam and Groove Dry Disconnect Couplers

Features:

- automatic closing poppet assembly
- must be used with a DBA style adapter for coupler to operate, sold separately
- fully interchangeable with Kamvalok (OPW trademark) fittings
- maximum operating pressure at 70°F:
 - 1½" - 210 PSI
 - 2" - 150 PSI
 - 3" - 120 PSI
- aluminum fittings have stainless internals comparable to 304 stainless
- stainless handle allows exposure to corrosive chemicals or wash down service
- heavy duty handle attachment prevents bending of crank assembly
- one piece stainless crank and link provide long service life
- 1½" and 2" sizes have EZ Boss-Lock cam arms - prevent accidental opening caused by vibration or snagging
- 3" has large paddle type cam arms allowing an easy grip

coupler x female NPT

Female NPT	Coupler Size	Seal	Aluminum		Stainless Steel ¹	
			Part #	Price/E	Part #	Price/E
1½"	2"	Buna	DBC61-150	\$753.40	DBC71-150	\$1668.00
2"	2½"		DBC61-200	792.55	DBC71-200	1855.75
3"	4"		DBC61-300	1650.70	DBC71-300	3983.20
1½"	2"	FKM	DBC62-150	816.85	DBC72-150	1731.90
2"	2½"		DBC62-200	887.90	DBC72-200	1951.65
3"	4"		DBC62-300	1842.45	DBC72-300	4194.95
1½"	2"	PTFE Encapsulated Silicone & FFPM	DBC63-150	1853.75	DBC73-150	2427.10
2"	2½"		DBC63-200	2124.15	DBC73-200	2838.60
3"	4"		DBC63-300	3413.85	DBC73-300	5627.20
1½"	2"	EPT	DBC64-150	1174.65	DBC74-150	1731.90
2"	2½"		DBC64-200	1303.75	DBC74-200	1951.65
3"	4"		DBC64-300	2115.95	DBC74-300	4194.95
1½"	2"	FFPM and PTFE ²	---	---	DBC76-150	5193.75
2"	2½"		DBC66-200	4888.10	DBC76-200	5633.25
3"	4"		---	---	DBC76-300	11649.90
1½"	2"	PTFE Encapsulated FKM & FFPM	---	---	DBC77-150	2486.25
2"	2½"		---	---	DBC77-200	2455.65
3"	4"		---	---	DBC77-300	5215.75
3"	4"	FKM-B	DBC69-300	2223.30	DBC79-300	4592.50

greaseless coupler x female NPT

Female NPT	Coupler Size	Seal	Stainless Steel ¹	
			Part #	Price/E
1½"	2"	PTFE Encapsulated	DBC77-150-GL	\$2764.70
2"	2½"	FKM & FFPM	DBC77-200-GL	2950.45

¹ stainless steel corrosion resistance is comparable to 304 stainless steel

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

coupler x 90° swivel female NPT

Female NPT	Coupler Size	Seal	Aluminum	
			Part #	Price/E
2"	2½"	Buna	DBS61-200	\$960.85
2"	2½"	FKM	DBS62-200	1108.30
2"	2½"	PTFE Encapsulated FKM & FFPM	DBS63-200	2251.45

Dust Plugs for Couplers

Size	Aluminum		316 Stainless Steel	
	Part #	Price/E	Part #	Price/E
2"	G200-DP-AL	\$6.55	G200-DP-SS	\$33.55
2½"	G250-DP-AL	9.70	G250-DP-SS	60.10
4"	G400-DP-AL	17.50	G400-DP-SS	86.85

Locking Kits for Couplers

Description	Aluminum	
	Part #	Price/E
for use with 1½" and 2" dry disconnect couplers	DBCL-200	\$182.85
for use with 3" dry disconnect couplers	DBCL-300	182.85



coupler x 1½" and 2" female NPT



coupler x 3" female NPT



DBCL-200

Dry Break Cam and Groove Dry Disconnect Couplings Adapters

Features:

- compatible with most cam and groove style dry disconnects
- helps prevent spillage from normal or accidental disconnects
- spring loaded sealing device snaps closed should valve become disconnected with the poppet open
- contact Dixon at 800-355-1991 for chemical compatibility, size, material selection and special configurations

Features:

- two-piece adapter design for easy rebuilding of adapters
- fully interchangeable with Kamvalok (OPW trademark) style fittings
- aluminum fittings have aluminum nose piece and brass piston
- for pressure ratings at other temperatures, contact Dixon

adapter x female NPT

Female NPT	Adapter Size	Seal	Max PSI at 70°	Aluminum		Stainless Steel ¹	
				Part #	Price/E	Part #	Price/E
1½"	2"	Buna	210	DBA11-150	\$205.70	DBA71-150	\$500.90
2"	2½"		150	DBA11-200	222.95	DBA71-200	573.85
3"	4"		120	DBA11-300	435.55	DBA71-300	1284.45
1½"	2"	FKM	210	DBA12-150	210.10	DBA72-150	500.90
2"	2½"		150	DBA12-200	229.40	DBA72-200	643.75
3"	4"		120	DBA12-300	449.45	DBA72-300	1302.45
1½"	2"	PTFE Encapsulated Silicone	210	DBA63-150	276.85	DBA73-150	506.35
2"	2½"		150	DBA63-200	319.60	DBA73-200	648.15
3"	4"		120	DBA63-300	479.45	DBA73-300	1510.20
1½"	2"	EPT	210	DBA64-150	255.70	DBA74-150	519.40
2"	2½"		150	DBA64-200	291.70	DBA74-200	573.85
3"	4"		120	DBA64-300	559.30	DBA74-300	1416.25
1½"	2"	FFPM	210	DBA66-150	878.90	DBA76-150	1174.60
2"	2½"		150	DBA66-200	1084.05	DBA76-200	1298.45
3"	4"		120	DBA66-300	1877.70	DBA76-300	2876.40
1½"	2"	PTFE Encapsulated FKM	210	---	---	DBA77-150	557.35
2"	2½"		150	---	---	DBA77-200	679.20
3"	4"		120	---	---	DBA77-300	1376.35
3"	4"	FKM-B	120	DBA69-300	687.20	---	---



adapter x 1½" and 2" female NPT



adapter x 3" female NPT

jump size adapter x female NPT

Female NPT	Adapter Size	Seal	Max PSI at 70°	Aluminum	
				Part #	Price/E
2"	2"	Buna	150	DBA11-1520	\$214.75
2"	2"	FKM	150	DBA12-1520	224.15

adapter x 150# ASA flange

Flange Size	Adapter Size	Body Size	Seal	Max PSI at 70°	Stainless Steel ¹	
					Part #	Price/E
2"	2"	1½"	FKM	150	DBAF72-1520	\$1172.35
		1½"	PTFE Encapsulated Silicone		DBAF73-1520	1184.00
		1½"	EPT		DBAF74-1520	1184.00
		1½"	FFPM		DBAF76-1520	1717.55
2"	2½"	2"	FKM	150	DBAF72-200	1210.85
		2"	PTFE Encapsulated Silicone		DBAF73-200	1221.10
		2"	EPT		DBAF74-200	1221.10
		2"	FFPM		DBAF76-200	1928.50
3"	4"	3"	FKM	120	DBAF72-300	1928.60
		3"	PTFE Encapsulated Silicone		DBAF73-300	2010.15
		3"	EPT		DBAF74-300	2010.15
		3"	FFPM		DBAF76-300	3175.10



vapor adapter x female thread

Female NPSM	Adapter Size	Seal	Max PSI at 70°	Stainless Steel ¹	
				Part #	Price/E
2"	3"	PTFE	150	DBAV73-2030	\$685.45

¹ stainless steel corrosion resistance is comparable to 304 stainless steel

Dust Cap for Adapters

Size	Aluminum		316 Stainless Steel	
	Part #	Price/E	Part #	Price/E
2"	G200-DC-AL	\$12.40	G200-DC-SS	\$56.90
2½"	G250-DC-AL	20.70	G250-DC-SS	78.45
4"	G400-DC-AL	29.25	G400-DC-SS	126.05



Cam and Groove Actuator Style Couplers

Applications:

- suited for vapor recovery, suction pump line and other applications where it is necessary to easily drain the hose or pipe for cleaning
- can also be used when product retention in a hose or pipe is desired and damage from accidental spill from an open coupler is not a concern
- couplers work with the DBA (Dry Break Cam and Groove) popped adapters on page 92 in applications where automatic closure for the coupler is not desired

Features:

- 316 stainless steel body
- 304 stainless steel internal components
- EZ Boss-Lock cam arms
- stainless steel locking lever standard
- available with Buna, FKM, FKM-B, EPDM, FFPM, PTFE encapsulated silicone and PTFE encapsulated FKM seals
- use with standard cam and groove dust plugs sized one size larger than the dry disconnect size
- prevents spillage from normal and accidental disconnection of the connection
- replacement parts are available, contact Dixon for more information

Female NPT	Coupler Size	Seal Material	Stainless Steel	
			Part #	Price/E
1½"	2"	Buna	D2C71-150	\$1030.85
2"	2½"		D2C71-200	1135.10
1½"	2"	FKM	D2C72-150	1051.40
2"	2½"		D2C72-200	1156.90
1½"	2"	PTFE Encapsulated Silicone	D2C73-150	1272.75
2"	2½"		D2C73-200	1347.35
1½"	2"	EPDM	D2C74-150	1030.85
2"	2½"		D2C74-200	1135.10
1½"	2"	PTFE Encapsulated FKM	D2C77-150	1272.75
2"	2½"		D2C77-200	1347.35
1½"	2"	FKM-B	D2C79-150	1102.90
2"	2½"		D2C79-200	1214.60



Dry Gas Couplings

Applications:

- Designed for safe loading and discharge of bobtails or intermediate bulk delivery trucks and transfer to and from rail cars. Quick and easy to connect, can be connected to a tank unit with pressures up to **225 PSI** at ambient temperature (70°F). 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 for dry gas couplings is in the handling of LPG - Propane and Butane.

D

Features:

- safe handling of LPG
- easy to use and saves time
- reliable and easy to maintain
- can be coupled to a tank unit with pressures up to 225 PSI
- minimizes the risk of cold burns
- minimizes spillage and product loss
- minimizes health risks
- keeps the environment free of hazardous vapors and liquids
- compatible with existing dry disconnect couplings
- stainless steel and brass / gunmetal (*produced to US government bronze specification G*)
- FKM (FPM) seals
- female NPT, female ACME and ASA flanges
- working pressure: **360 PSI** at ambient temperature (70°F)
- composite (Polyeten PE-HD 300) plug to provide good protection in harsh environments



Coupler - Hose Unit

coupler x female NPT with FKM (FPM) seals

Female NPT	Body Size	316 Stainless Steel	
		Part #	Price/E
1"	56 mm	DGC100SS	\$2783.10
2"	71 mm	DGC200SS	4193.15
3"	119 mm	DGC300SS	5918.45

Dust Plugs for Couplers



Size	Body Size	Polyeten PE-HD 300	
		Part #	Price/E
1"	56 mm	DGDP100	\$100.85
2"	71 mm	DGDP200	115.90
3"	119 mm	DGDP300	115.90

Adapter - Tank Unit

adapter x female NPT with FKM (FPM) seals



female NPT x adapter

Female NPT	Body Size	316 Stainless Steel	
		Part #	Price/E
1"	56 mm	DGA100SS	\$999.20
2"	71 mm	DGA200SS	1301.95
3"	119 mm	DGA300SS	1439.95



female Acme x adapter

adapter x female ACME thread with FKM (FPM) seals

Female ACME	Body Size	316 Stainless Steel	
		Part #	Price/E
1 3/4"	56 mm	DGA100SS175	\$1217.25
3 1/4"	71 mm	DGA200SS325	1612.80



150# flange x adapter

adapter x 150# ASA flange with FKM (FPM) seals

150# Flange	Body Size	316 Stainless Steel	
		Part #	Price/E
1"	56 mm	DGA100SSFL	\$1637.70
2"	71 mm	DGA200SSFL	1742.80
3"	119 mm	DGA300SSFL	2010.60

Dust Caps for Adapters



Size	Body Size	Material	Part #	Price/E
1"	56 mm	polyeten PE-HD300	DGDC100	\$94.65
2"	71 mm	rubber	DGDC200	100.85
3"	119 mm	rubber	DGDC300	119.60

FloMAX Part Number Cross-reference

Standard Series Connectors

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

Fuel Vent Series

Dixon Part #	Caterpillar Part #	Wiggins Part #
VT	6G7803	ZV10
VT7	---	---
VT9	---	---
VTT	SV6106	ZV10C

R Series Connectors

Dixon Part #	Caterpillar Part #	Wiggins Part #
<i>Engine Oil Nozzles</i>		
R-EN	126-7539	R15
R-EN-P	---	---
R-EN-PLUG	---	---
<i>Engine Oil Receivers</i>		
R-ER	---	R16
R-ER-C	---	---
R-ER-CAP	110-8826	---
<i>Coolant Fluid Nozzles</i>		
R-CN	127-9087	R11
R-CN-P	---	---
R-CN-PLUG	---	---
<i>Coolant Fluid Receivers</i>		
R-CR	---	R12
R-CR-C	---	---
R-CR-CAP	---	---
<i>Hydraulic Oil Nozzles</i>		
R-HN	127-9088	R17
R-HN-P	---	---
R-HN-PLUG	---	---
<i>Hydraulic Oil Receivers</i>		
R-HR	118-0166	R18
R-HR-C	---	---
R-HR-CAP	118-0165	---
<i>Transmission Fluid Nozzles</i>		
R-TN	126-7538	R13
R-TN-P	---	---
R-TN-PLUG	---	---
<i>Transmission Fluid Receivers</i>		
R-TR	---	R14
R-TR-C	---	---
R-TR-CAP	110-8318	---

Diesel Fueling System

Dixon Part #	Caterpillar Part #	Wiggins Part #
<i>Nozzles</i>		
FN600	---	ZZF150
FN600BL	4C6716	ZZ9A1
FN600B-PLUG	---	---
FN600B	---	---
<i>Receivers</i>		
FRS	2G9000	ZN2A
FRS-C	---	ZNC2A
FRA	269000	ZN2A
FRA-C	---	ZNC2A
FR-CAP	9D0630	ZC20P
FR-RS	---	---
FR-RS-C	---	---
FR-RS-R	---	---
GFR-0	---	ZN6A
GFR-45	---	---
GFR-90	---	ZN6B
GFR1-0	---	ZN6B
GFR1-45	---	---
GFR1-90	---	ZN6B
FNS	---	ZS9
FNS2	---	---
FN600S	---	---
FNSID	---	---

FloMAX Diesel Fueling System

Application:

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

Diesel Fuel Nozzles

Features:

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



Description	Part #	Price/E
dog latch mechanism with sealing plug	FN600	\$2443.65
ball lock with sealing plug	FN600BL	2443.65
sealing plug for FN600	FN600B-PLUG	174.55
sealing plug for FN600BL	FN600B	174.55

Diesel Fuel Receivers

Features:

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

one-piece body

Description	Material	Part #	Price/E
one-piece receiver without cap	nickel-plated steel	FRS	\$340.40
one-piece receiver with cap	nickel-plated steel	FRS-C	392.75
one-piece receiver without cap	anodized aluminum	FRA	340.40
one-piece receiver with cap	anodized aluminum	FRA-C	392.75
cap for receiver	anodized aluminum	FR-CAP	117.85

two-piece body

Description	Part #	Price/E
two piece receiver with removable stainless sleeve without cap	FR-RS	\$584.75
two piece receiver with removable stainless sleeve with cap	FR-RS-C	637.10
removable sleeve replacement for two piece receiver	FR-RS-R	192.00
cap for receiver	FR-CAP	117.85



2" Diesel Fuel Nozzles

Features:

- 2" female NPT
- integrated high flow swivel and sealing plug available
- stainless steel ball lock design
- tested to 400 gallons per minute

Materials:

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



Description	Part #	Price/E
2" fuel nozzle - no swivel, no plug	FX1500	4352.75
2" fuel nozzle - no swivel, with plug	FX1500P	4501.10
2" fuel nozzle - with swivel, no plug	FX1500S	4570.95
2" fuel nozzle - with swivel, with plug	FX1500SP	4719.30
2" sealing plug for FX1500	FX1500PLUG	207.30

2" Diesel Fuel Receivers



Description	Part #	Price/E
2" diesel fuel receiver	FRX	\$652.40
2" fuel receiver with cap	FRX-C	761.50
2" cap for receiver	FRXCAP	152.75

FloMAX Diesel Fueling System

Diesel Fuel Gravity Fill Receivers

Feature:

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

Size	Description	Anodized Aluminum	
		Part #	Price/E
1 $\frac{3}{8}$ "	straight	GFR-0	\$440.75
1 $\frac{3}{8}$ "	45°	GFR-45	466.95
1 $\frac{3}{8}$ "	90°	GFR-90	466.95
1"	straight	GFR1-0	466.95
1"	45°	GFR1-45	488.75
1"	90°	GFR1-90	488.75

**D**

FloMAX Fuel Vents

Features:

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

Description	Part #	Price/E
vent with 5" tube	VT	\$405.85
vent with 7" tube	VT7	418.95
vent with 9" tube	VT9	432.00
vent with 5" tube and threaded outlet	VTT	453.85



High Flow FloMAX Fuel Vents

Feature:

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

Description	Part #	Price/E
high flow fuel vent with 5" tube	VTX	\$754.95
high flow fuel vent with 9" tube	VTX-9	789.85

Diesel Fuel Swivels

Features:

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

Thread Size	Description	Part #	Price/E
1 $\frac{1}{2}$ " male NPT x 1 $\frac{1}{2}$ " female NPT	standard	FNS	\$314.20
2" male NPT x 1 $\frac{1}{2}$ " female NPT	standard	FNS2	327.30
1 $\frac{1}{2}$ " female NPT x 1 $\frac{1}{2}$ " female NPT	double	FNSID	353.50
1 $\frac{1}{2}$ " male NPS x 1 $\frac{1}{2}$ " female NPT	standard	FN600S¹	314.20

¹ used with FN600 or FN600BL



standard



double

FloMAX Service Box

Features:

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

Part #	Price/E
FSB	\$1669.85



receivers sold separately

FloMAX Standard Series Connectors

Features:

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

D

Engine Oil (red)

Features:

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

Nozzles

Male Thread	Description	Anodized Aluminum Part #	Price/E
3/4" NPT	engine nozzle ball lock	ENBL	\$558.55
3/4" NPT	engine nozzle ball lock with plug	ENBL-P	610.95
---	engine nozzle plug	ENBL-PLUG	96.00



Receivers

Male Thread	Description	Anodized Aluminum Part #	Price/E
3/4" NPT	engine receiver	ERS	\$240.00
3/4" NPT	engine receiver with cap	ERS-C	296.75
---	engine receiver cap	ERS-CAP	96.00
3/4" JIC	engine receiver with JIC bulkhead base	ERJ	309.85
3/4" JIC	engine receiver with JIC bulkhead base and cap	ERJ-C	362.20



ERJ-C

Coolant Fluid (teal)

Features:

- nickel-plated nozzle nose and base
- standard roll-pin locking mechanism
- ergonomically engineered pullbacks and caps
- bright teal anodized aircraft grade aluminum

Nozzles

Male Thread	Description	Anodized Aluminum Part #	Price/E
1/2" NPT	coolant nozzle ball lock	CN	\$370.95
1/2" NPT	coolant nozzle ball lock with plug	CN-P	423.30
---	coolant nozzle plug	CN-PLUG	96.00



Receivers

Male Thread	Description	Anodized Aluminum Part #	Price/E
1/2" NPT	coolant receiver	CR-S	\$213.85
1/2" NPT	coolant receiver with cap	CR-C	266.20
---	coolant receiver cap	CR-CAP	96.00



FloMAX Standard Series Connectors

Features:

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

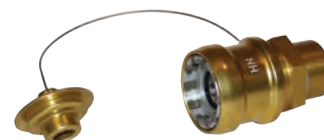
Hydraulic Oil (gold)

Features:

- nickel-plated wear components
- 10 steel dog latching mechanism
- ergonomically engineered pullbacks and caps
- bright gold anodized aircraft grade aluminum

Nozzles

Female Thread	Description	Anodized Aluminum Part #	Price/E
3/4" NPT	hydraulic nozzle	HN	\$558.55
3/4" NPT	hydraulic nozzle with plug	HN-P	610.95
---	hydraulic nozzle plug	HN-PLUG	96.00



Receivers

Male Thread	Description	Anodized Aluminum Part #	Price/E
3/4" NPT	hydraulic receiver	HR	\$449.50
3/4" NPT	hydraulic receiver with cap	HR-C	506.20
---	hydraulic receiver cap	HR-CAP	96.00



Transmission Fluid (violet)

Features:

- nickel-plated nose and base
- 6 steel dog latching mechanism
- ergonomically engineered pullbacks and caps
- bright violet anodized aircraft grade aluminum

Nozzles

Male Thread	Description	Anodized Aluminum Part #	Price/E
1/2" NPT	transmission nozzle	TN	\$501.85
1/2" NPT	transmission nozzle with plug	TN-P	554.20
---	transmission nozzle plug	TN-PLUG	96.00



Receivers

Female Thread	Description	Anodized Aluminum Part #	Price/E
3/8" NPT	transmission receiver	TR	\$261.85
3/8" NPT	transmission receiver with cap	TR-C	318.55
---	transmission receiver cap	TR-CAP	96.00



FloMAX R Series Connectors

Features:

- fully compatible and interchangeable with industry standards
- all-metal construction using anodized aircraft grade aluminum non-wear components

Engine Oil (red)

Features:

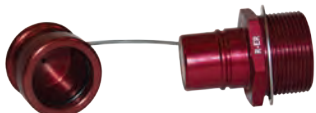
- all metal construction
- standard roll-pin locking mechanism
- ergonomically engineered pullbacks and caps
- bright red anodized aircraft grade aluminum

Nozzles



Female Thread	Description	Anodized Aluminum Part #	Price/E
3/4" NPT	R-series engine nozzle	R-EN	\$432.00
3/4" NPT	R-series engine nozzle with plug	R-EN-P	484.40
---	R-series engine nozzle plug	R-EN-PLUG	96.00

Receivers



Male Thread	Female Thread	Description	Anodized Aluminum Part #	Price/E
1.625-12 UN-2A	1.312-12 UN-2B	R-series engine receiver	R-ER	\$187.65
1.625-12 UN-2A	1.312-12 UN-2B	R-series engine receiver with cap	R-ER-C	244.40
---	---	R-series engine receiver cap	R-ER-CAP	96.00

Coolant (teal)

Features:

- all metal construction
- standard roll-pin locking mechanism
- ergonomically engineered pullbacks and caps
- bright teal anodized aircraft grade aluminum

Nozzles



Female Thread	Description	Anodized Aluminum Part #	Price/E
1/2" NPT	R-series coolant nozzle	R-CN	\$405.85
1/2" NPT	R-series coolant nozzle with plug	R-CN-P	458.20
---	R-series coolant nozzle plug	R-CN-PLUG	96.00

Receivers



Male Thread	Female Thread	Description	Anodized Aluminum Part #	Price/E
1.187-12 UN-2A	.875-14 UN-2B	R-series coolant receiver	R-CR	\$157.10
1.187-12 UN-2A	.875-14 UN-2B	R-series coolant receiver with cap	R-CR-C	213.85
---	---	R-series coolant receiver cap	R-CR-CAP	96.00

FloMAX R Series Connectors

Features:

- fully compatible and interchangeable with industry standards
- all-metal construction using anodized aircraft grade aluminum non-wear components

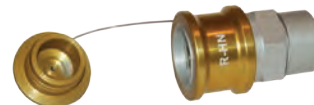
Hydraulic Oil (gold)

Features:

- all metal construction
- standard roll-pin locking mechanism
- ergonomically engineered pullbacks and caps
- bright gold anodized aircraft grade aluminum

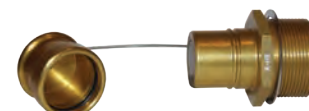
Nozzles

Female Thread	Description	Anodized Aluminum Part #	Price/E
1" NPT	R-series hydraulic nozzle	R-HN	\$471.30
1" NPT	R-series hydraulic nozzle with plug	R-HN-P	528.00
---	R-series hydraulic nozzle plug	R-HN-PLUG	96.00



Receivers

Male Thread	Female Thread	Description	Anodized Aluminum Part #	Price/E
1.875-12 UN-2A	1.625-12 UN-2B	R-series hydraulic receiver	R-HR	\$235.65
1.875-12 UN-2A	1.625-12 UN-2B	R-series hydraulic receiver with cap	R-HR-C	292.40
---	---	R-series hydraulic receiver cap	R-HR-CAP	96.00



Transmission Fluid (violet)

Features:

- all metal construction
- standard roll-pin locking mechanism
- ergonomically engineered pullbacks and caps
- bright violet anodized aircraft grade aluminum

Nozzles

Female Thread	Description	Anodized Aluminum Part #	Price/E
3/4" NPT	R-series transmission nozzle	R-TN	\$384.00
3/4" NPT	R-series transmission nozzle with plug	R-TN-P	436.40
---	R-series transmission nozzle plug	R-TN-PLUG	96.00



Receivers

Male Thread	Female Thread	Description	Anodized Aluminum Part #	Price/E
1.312-12 UN-2A	1.062-12 UN-2B	R-series transmission receiver	R-TR	\$174.55
1.312-12 UN-2A	1.062-12 UN-2B	R-series transmission receiver with cap	R-TR-C	231.30
---	---	R-series transmission receiver cap	R-TR-CAP	96.00



FloMAX ¾" Series

Features:

- 6 nozzle and receiver sets color coded for quick identification of mating parts; each color nozzle and receiver only couples with matching color component providing complete protection against cross contamination
- maximum flow rate: 45 GPM at 70 PSI
- working pressure rating: **200 PSI**

D



Nozzles

Male Thread	Description	Anodized Aluminum Part #	Price/E
¾" NPT	red nozzle with plug	ENBL-P	\$610.95
	gold nozzle with plug	ENBL-P2	610.95
	teal nozzle with plug	ENBL-P3	610.95
	violet nozzle with plug	ENBL-P4	610.95
	navy nozzle with plug	ENBL-P5	610.95
	copper nozzle with plug	ENBL-P6	610.95

Receivers

Male Thread	Description	Anodized Aluminum Part #	Price/E
¾" NPT	red receiver with cap	ERS-C	\$296.75
	gold receiver with cap	ERS-C2	296.75
	teal receiver with cap	ERS-C3	296.75
	violet receiver with cap	ERS-C4	296.75
	navy receiver with cap	ERS-C5	296.75
	copper receiver with cap	ERS-C6	296.75

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

FloMAX High Flow 1" Series

Features:

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



Nozzles

Female NPT	Description	Anodized Aluminum Part #	Price/E
1"	red nozzle with plug	HFN-P1	\$685.10
	gold nozzle with plug	HFN-P2	685.10
	teal nozzle with plug	HFN-P3	685.10
	violet nozzle with plug	HFN-P4	685.10
	navy nozzle with plug	HFN-P5	685.10
	copper nozzle with plug	HFN-P6	685.10
	blue/gray nozzle with plug	HFN-P7	685.10

Receivers

Male NPT	Description	Anodized Aluminum Part #	Price/E
1"	red receiver with cap	HFR-C1	\$432.00
	gold receiver with cap	HFR-C2	432.00
	teal receiver with cap	HFR-C3	432.00
	violet receiver with cap	HFR-C4	432.00
	navy receiver with cap	HFR-C5	432.00
	copper receiver with cap	HFR-C6	432.00
	blue/gray receiver with cap	HFR-C7	432.00

