



The Right Connection™

Cam & Groove style Dry Disconnects

3" couplers

coupler x female NPT

Female NPT	Coupler Size	Seal Material	Aluminum	Stainless Steel
3"	4"	Buna	DBC61-300	DBC71-300
3"	4"	Viton®	DBC62-300	DBC72-300
3"	4"	PTFE encap. Silicone and Kalrez®	DBC63-300	DBC73-300
3"	4"	EPT	DBC64-300	DBC74-300
3"	4"	Kalrez® and PTFE	---	DBC76-300
3"	4"	PTFE encap. Viton® and Kalrez®	DBC67-300	DBC77-300
3"	4"	Viton® B	DBC69-300	DBC79-300



coupler x female NPT - DBC61-300

greaseless coupler x female NPT

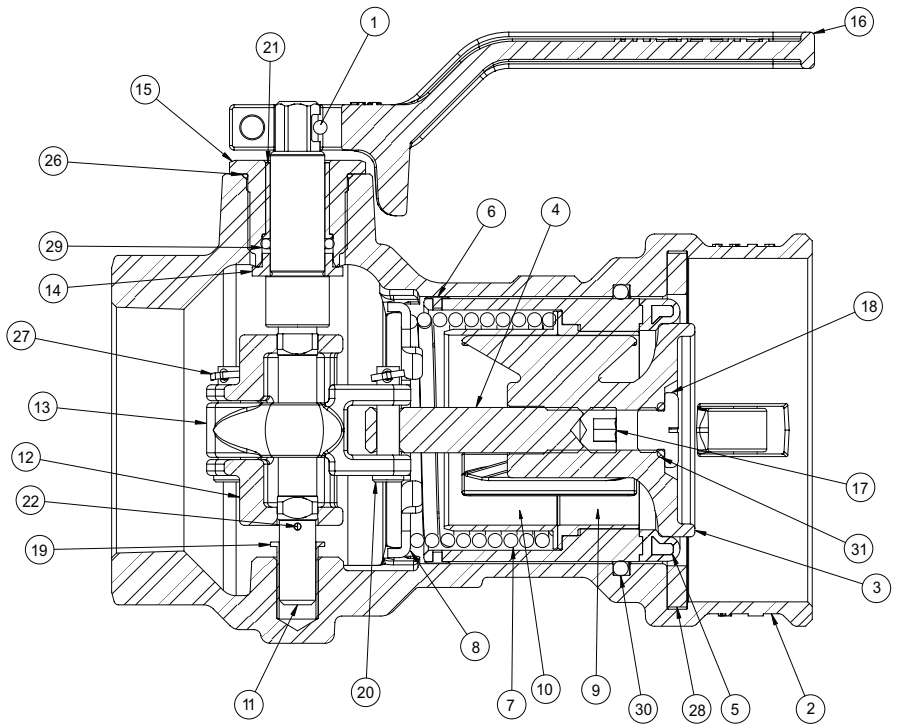
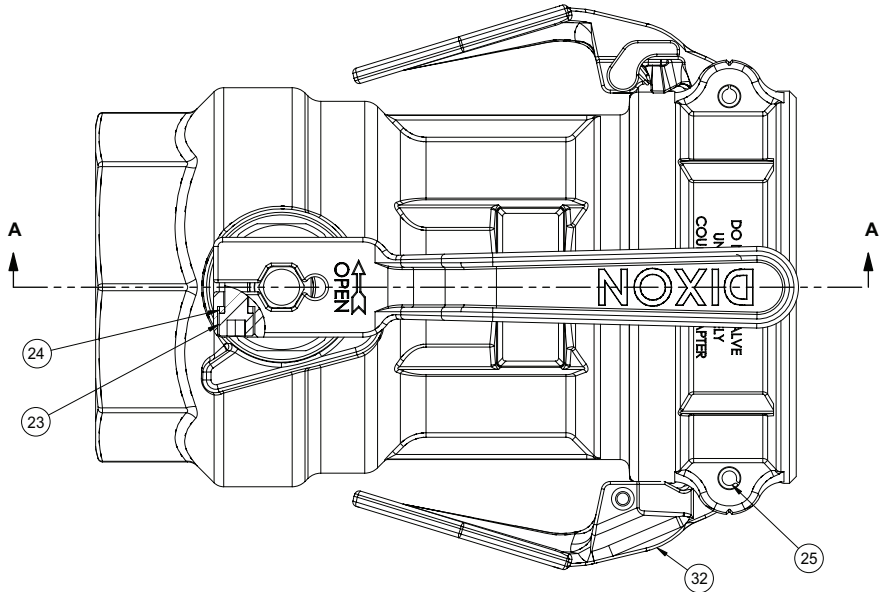
Female NPT	Coupler Size	Seal Material	Aluminum	Stainless Steel
3"	4"	PTFE encap. Viton® and Kalrez®	DBC67-300-GL	DBC77-300-GL

Cam & Groove Style Dry Disconnect Couplers

Bill of Material

3" coupler

Item #	Description	Qty
1	groove pin	1
2	body	1
3	poppet	1
4	stem	1
5	seal cylinder	1
6	PTFE button	8
7	cylinder spring	1
8	poppet spring seat	1
9	PTFE bushing	1
10	poppet spring guide	1
11	shaft	1
12	yoke	1
13	link	1
14	shaft retainer	1
15	stuffing box	1
16	lever (handle)	1
17	set screw	1
18	poppet screw	1
19	PTFE bearing	1
20	clevis pin	2
21	bearing	1
22	cotter pin	1
23	lever (handle) screw	1
24	lever (handle) lock washer	1
25	cam arm pin	2
26	PTFE O-ring	1
27	cotter pin	2
28	coupler gasket	1
29	O-ring	1
30	O-ring	1
31	PTFE O-ring	1
32	lockable paddle arm	2
33	nose seal (for DBC63-300)	1



SECTION A-A

Cam & Groove Style Dry Disconnect Couplers

Repair Kits

- specify seal material and coupling material when ordering kits
- seal material: Buna-N, Viton®, or PTFE and Kalrez®
- coupling material: aluminum or stainless steel

seal kits

Kit #	Size Used On	Material	Included Item #s
DBCX1-300RK1	3"	Buna	26, 28, 29, 30, 31
DBCX2-300RK1		Viton®	
DBCX3-300RK1		PTFE and Kalrez®	

seal cylinder kits

Kit #	Sizes Used On	Material	Included Item #s
DBC61-300RK2	3"	Aluminum and Buna	5, 6, 9
DBC62-300RK2		Aluminum and Viton®	
DBC64-300RK2		Aluminum and EPDM	
DBC69-300RK2		Stainless Steel and Viton®B	
DBC71-300RK2		Stainless Steel and Buna	
DBC72-300RK2		Stainless Steel and Viton®	
DBC74-300RK2		Stainless Steel and EPT	
DBCX3-300RK2	Stainless Steel and PTFE	6, 9, 33	

gasket kits

Kit #	Size Used On	Material	Included Item #s
DBCX1-300RK3	3"	Buna	28
DBCX2-300RK3		Viton®	
DBCX3-300RK3		PTFE encapsulated silicone	
DBCX4-300RK3		EPDM	
DBCX9-300RK3		Viton® B	

link and yoke kit

Kit #	Size Used On	Contains	Included Item #s
DBCXX-300RK4	3"	link and yoke assembly	4, 12, 13, 20, 22

stuffing box kit

Kit #	Size Used On	Contains	Included Item #s
DBCXX-300RK5	3"	stuffing box, bearing, O-ring	15, 21, 26

handle kit

Kit #	Size Used On	Contains	Included Item #s
DBCXX-300RK6	3"	lever assembly	1, 16, 23, 24

cam shaft kit

Kit #	Size Used On	Contains	Included Item #s
DBCXX-300RK7	3"	cam shaft, cotter pin, washer	11, 14, 19, 22

spring kit

Kit #	Size Used On	Contains	Included Item #s
DBCXX-300RK8	3"	spring	7

poppet kit

Kit #	Size Used On	Contains	Included Item #s
DBCXX-300RK9	3"	poppet, poppet screw, set screw, PTFE O-ring	3, 17, 18, 31