

Dixon® Cam & Groove Handles

Features:

- stainless steel pins standard with all assemblies
- roll pins are 302 stainless, solid pins are 303 stainless
- pull rings are standard on sizes 1¼" thru 6", optional on other sizes
- Domestic Dixon® standard handle assemblies are only to be used with standard Dixon® parts (not global). Handles do not interchange with other manufacturer's handles or couplers. 

Coupler Size	Description	Brass Part #	316 Sintered Stainless Steel Part #
½"	cam arm and pin	---	50-HP-SP
¾"	cam arm and pin	---	75-HP-SP
1"	cam arm and pin	---	100-HP-SP
1¼" - 2½"	cam arm, ring and pin	200-HRP-BR	200-HRP-SP
3" - 5"	cam arm, ring and pin	300-HRP-BR	300-HRP-SP
6"	cam arm, ring and pin	600-HRP-BR	---
8"	cam arm and pin	800-HNP-BR	---



brass



316 sintered stainless steel



316 investment stainless steel

Cam & Groove

C

Coupler Size	Description	316 Investment Stainless Steel Part #
2"	cam arm, ring and pin	200-HSCR-SP
3"	cam arm, ring and pin	300-HSCR-SP
6"	cam arm, ring and pin	600-HRP-SP

Dixon® Cam & Groove Locking Handles for Dust Caps

Features:

- Dixon® locking handles are only to be used with standard Dixon® parts (not global). Handles do not interchange with other manufacturer's handles or couplers. 
- not supplied with pins

Coupler Size	Hole Diameter	Brass Part #	316 Investment Stainless Steel Part #
2"	9/32"	200-LH-BR	200-LH-SI
3"	5/16"	300-LH-BR	300-LH-SI
4"	¾"	400-LH-BR	400-LH-SI



200-LH-SI



300-LH-BR

Boss-Lock™ Cam & Groove Handles

Feature:

- Boss-Lock™ handles should only be used with Boss-Lock™ parts. Handles do not interchange with other manufacturer's handles or couplers. 

Coupler Size	Brass Part #	316 Investment Stainless Steel Part #	Plated Iron Part #
¾" - 1"	BHSC175	RHSC175	---
1¼" - 2½"	BHSC152	RHSC152	IHSC152
3" and 4"	BHSC34	RHSC34	IHSC34



IHSC152



IH6

Coupler Size	Brass Part #	Plated Iron Part #
6" and 8"	BH6	IH6



Cam & Groove

EZ Boss-Lock™ Cam & Groove Handles

Features:

- investment cast stainless steel cam arm and lever
- 316 stainless steel spring
- stainless steel pin, washer, plated carbon steel pull ring



Coupler Size	Brass Part #
3/4" - 1"	RHEZ175
1 1/4" - 2 1/2"	RHEZ152
3" - 5"	RHEZ34
6" and 8"	RHEZ6

*Under no circumstances should the EZ Boss-Lock™ cam arms be used on any fitting not specifically produced for their use. The aluminum, brass and iron are made from sand castings. To ensure proper functioning of the EZ Boss-Lock™ cam arm assemblies, we sort the castings to ensure there is sufficient length and orientation on the lugs on the main casting to engage the lever. We also buff or grind the rougher sand cast surface to ensure that the lever will move freely. **The EZ Boss-Lock™ cam arms cannot be retrofitted onto existing aluminum, brass or plated iron Boss-Lock™ already in service.***



Dixon® Coupling Paddle Handles



316 investment cast stainless steel



brass

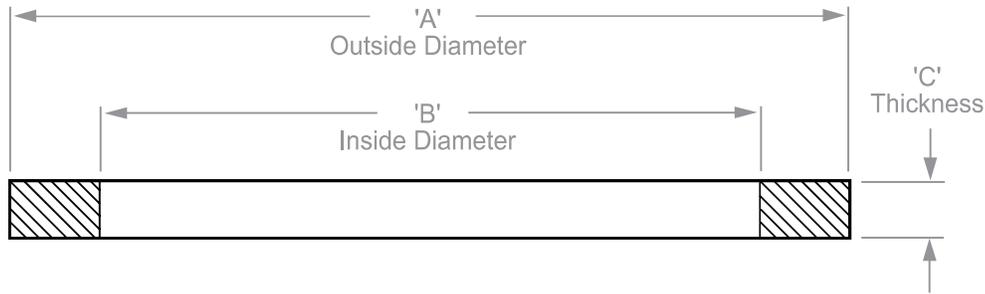
Features:

- Dixon® paddle handles are only to be used with standard Dixon® parts (not global). Handles do not interchange with other manufacturer's handles or couplers.
- not supplied with pins



Coupler Size	Brass Part #	316 Investment Cast Stainless Steel Part #
3" and 4"	300H-PADBR	300H-PADSS

Cam & Groove Gasket Dimensions



- nominal dimensions for elastomeric cam & groove gaskets are listed
- ID's of the PTFE envelope gaskets and the PTFE accordion gaskets are 1/16" smaller than the ID's for the elastomeric gaskets shown below
- thickness of PTFE accordion gaskets may vary from chart below

Size	Part #	Dimensions		
		A	B	C
1/2"	50-G ¹	1-1/32"	11/16"	.156"
3/4"	75-G	1-3/8"	7/8"	.218"
1"	100-G	1-9/16"	1-1/16"	.250"
1 1/4"	125-G	1-15/16"	1-23/64"	.250"
1 1/2"	150-G	2-3/16"	1-5/8"	.250"
2"	200-G	2-5/8"	2"	.250"
2 1/2"	250-G	3-1/8"	2-3/8"	.250"
3"	300-G	3-23/32"	3"	.250"
4"	400-G	4-7/8"	4"	.250"
5"	500-G	5-15/16"	4-7/8"	.250"
6"	600-G	7-1/16"	6"	.250"
8"	800-G ¹	9-5/16"	8-1/8"	.343"

¹ No interchange standard exists for the 1/2" and 8" fittings. Generally, these sizes do not interchange with other manufacturer's products. As such, the gaskets in these sizes are not suitable for use in other manufacturers' couplings.



Cam & Groove Gasket Color Codes

Gasket Code ¹	Material	Color	Color code stripes (appear on the OD of the gasket or filler)
-BU	<i>Buna-N</i> (standard in all metal fittings)	black	1 blue
-BF	<i>Buna</i> (formulated for fuel service)	black	1 green
-VI	<i>FKM</i>	black	1 yellow
-THK	<i>Extra Thick Buna</i>	black	2 blue
-EPR	<i>Ethylene Propylene</i>	black	1 white
-NE	<i>Neoprene</i>	black	1 red
-WNE	<i>White Neoprene</i> , FDA approved material	white	none
-WB	<i>White Buna-N</i> , FDA approved material	white	blue
-SIL	<i>Silicone</i>	red	none
-TF	<i>PTFE (TFE) envelope with Buna-N filler</i>	white / black	1 blue
TFVI	<i>PTFE (TFE) envelope with FKM filler</i>	white / black	1 yellow
TFWB	<i>PTFE (TFE) envelope with White Buna-N filler</i> , FDA approved materials	white / white	blue
TFEP	<i>PTFE (TFE) envelope with Ethylene Propylene filler</i>	white / black	1 white stripe
-TES	<i>PTFE (FEP) encapsulated Silicone core</i> , FDA approved materials	translucent / red	none
-TEV	<i>PTFE (FEP) encapsulated FKM core</i>	translucent / black	none
TFACC	<i>PTFE (TFE) accordion</i> , FDA approved materials	white	none

¹ part number suffix

Since other manufacturer's coding systems vary, this chart should not be used as a reference in identifying gaskets of unknown origin.





Cam & Groove Gaskets

Cam & Groove



Buna-N



FKM

Size	Buna-N Part #	FKM Part #
1/2"	50-G-BU	50-G-VI
3/4"	75-G-BU	75-G-VI
1"	100-G-BU	100-G-VI
1 1/4"	125-G-BU	125-G-VI
1 1/2"	150-G-BU	150-G-VI
2"	200-G-BU	200-G-VI
2 1/2"	250-G-BU	250-G-VI
3"	300-G-BU	300-G-VI
4"	400-G-BU	400-G-VI
5"	500-G-BU	500-G-VI
6"	600-G-BU	600-G-VI
8"	800-G-BU	800-G-VI



extra thick Buna-N



ethylene propylene

Size	extra thick Buna-N Part #	Ethylene Propylene Part #
3/4"	---	75-G-EPR
1"	100GTHK	100-G-EPR
1 1/4"	125GTHK	125-G-EPR
1 1/2"	150GTHK	150-G-EPR
2"	200GTHK	200-G-EPR
2 1/2"	250GTHK	250-G-EPR
3"	300GTHK	300-G-EPR
4"	400GTHK	400-G-EPR
6"	600GTHK	---

NEW

neoprene



white neoprene

Size	Neoprene Part #	white Neoprene ¹ Part #
3/4"	75-G-NE	---
1"	100-G-NE	---
1 1/4"	125-G-NE	---
1 1/2"	150-G-NE	150-G-WNE
2"	200-G-NE	200-G-WNE
2 1/2"	250-G-NE	---
3"	300-G-NE	300-G-WNE
4"	400-G-NE	400-G-WNE
5"	---	500-G-WNE
6"	---	600-G-WNE

¹ white neoprene gaskets contain FDA approved materials

white Buna-N



silicone

Size	white Buna-N ¹ Part #	Silicone Part #
1 1/2"	---	150-G-SIL
2"	---	200-G-SIL
3"	300-G-WB	300-G-SIL
4"	400-G-WB	400-G-SIL

¹ white Buna-N gaskets contain FDA approved materials

Fuel Gaskets

Size	Material	Part #
1½"	Buna	150-G-BF
2"	Buna	200-G-BF
3"	Buna	300-G-BF
4"	Buna	400-G-BF
3"	extra thick Buna-N	300GTHKBF
4"	extra thick Buna-N	400GTHKBF



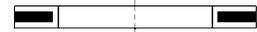
Cam & Groove

Cam & Groove Envelope Gaskets

Features:

- PTFE white Buna filler (TFWB) contains FDA approved materials
- maximum operating temperatures for specific chemicals may be lower, contact Dixon® for specific recommendations

Size	PTFE (TFE) with Buna-N filler Part #	PTFE (TFE) with FKM filler Part #
½"	50-G-TF	50-G-TF-VI
¾"	75-G-TF	75-G-TF-VI
1"	100-G-TF	100GTFVI
1¼"	125-G-TF	125GTFVI
1½"	150-G-TF	150GTFVI
2"	200-G-TF	200GTFVI
2½"	250-G-TF	250GTFVI
3"	300-G-TF	300GTFVI
4"	400-G-TF	400GTFVI
6"	600-G-TF	600GTFVI



envelope

Size	PTFE (TFE) with white Buna-N filler Part #	PTFE (TFE) with Ethylene Propylene filler Part #
1½"	---	150GTFEP
2"	200GTFWB	200GTFEP
3"	300GTFWB	300GTFEP
4"	400GTFWB	---
5"	500GTFWB	---

The torque (force) required to close the handles on a pair of cam and groove fittings will vary according to the gasket chosen. Due to the nature of the PTFE material, the various PTFE gasket designs will require the most torque, increasing as you go from envelope to encapsulated, and finally, accordion.



Cam & Groove Encapsulated Gaskets

Features:

- *PTFE encapsulated silicone* (TES) gaskets contain FDA approved materials
- encapsulated gasket pressure ratings are reduced to **125 PSI** for ¾" - 4" at ambient temperature **70°F (21°C)**
- *PTFE encapsulated FKM* (TEV) gaskets - maximum operating temperature **200°F (93°C)**
- *PTFE encapsulated silicone* (TES) gaskets - maximum operating temperature **225°F (107°C)**
- maximum operating temperatures for specific chemicals may be lower, contact Dixon® for specific recommendations

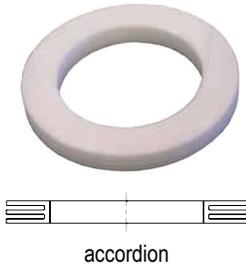


Size	<i>PTFE (FEP) encapsulated silicone</i> Part #	<i>PTFE (FEP) encapsulated FKM</i> Part #
¾"	75-G-TES	75-G-TEV
1"	100-G-TES	100-G-TEV
1¼"	125-G-TES	125-G-TEV
1½"	150-G-TES	150-G-TEV
2"	200-G-TES	200-G-TEV
2½"	250-G-TES	250-G-TEV
3"	300-G-TES	300-G-TEV
4"	400-G-TES	400-G-TEV

Cam & Groove Accordion Gaskets

Features:

- *PTFE* accordion gaskets (TFACC) are recommended for use with viscous (thick) fluids only 
- maximum operating temperatures for specific chemicals may be lower, contact Dixon® for specific recommendations



Size	<i>PTFE (TFE)</i> Part #
¾"	75GTFACC
1"	100GTFACC
1¼"	125GTFACC
1½"	150GTFACC
2"	200GTFACC
3"	300GTFACC

The torque (force) required to close the handles on a pair of cam & groove fittings will vary according to the gasket chosen. Due to the nature of the PTFE material, the various PTFE gasket designs will require the most torque, increasing as you go from envelope to encapsulated, and finally, accordion.



Witches Hat Strainers

Features:

- used with female cam and groove couplings
- pre-attached Buna-N gasket

Size	304 Stainless Steel Part #
3"	WH300-A
4"	WH400-A



Cam & Groove

Gaskets for Witches Hat Strainers

Size	Buna-N Gasket Part #
3"	WH300-G
4"	WH400-G



Disk Strainers

Feature:

- threads into bottom of female NPT fitting to protect equipment from large contaminants

Size	Hole Size	6061T6 Aluminum	304 Investment Cast
		Part #	Stainless Steel Part #
2"	1/4"	SDA200	SDS200
3"	1/4"	SDA300	SDS300
4"	1/4"	SDA400	SDS400



Pull Ring Safety Clips for Boss-Lock™

Coupler Size	Carbon Steel	316 Stainless Steel
	Part #	Part #
3/4" - 1"	---	100PRSCSS
1 1/4" - 2 1/2"	200PRSCCS	200PRSCSS
3" and 4"	300PRSCCS	300PRSCSS



Pull Rings

304 Stainless Steel Part #
R200SS



Sash Chain with Pull Rings

Feature:

- brass chain, plated steel pull ring

Length	Part #
4 1/2"	J125
6 1/2"	J150
8 1/2"	J300
12 3/4"	J500



Abrasion Resistant Inserts



Cam & Groove



400-A-INSERT



400-C-INSERTAL

Features:

- extends the life of adapters when transferring proppant to storage tanks
- available for multiple adapter and multiple coupler materials

Description	UHMW Polyethylene Part #
to be used with 400-A-AL , 400-A-BR , 400-A-MI , 400-A-SS	400-A-INSERT
to be used with 400-C-AL	400-C-INSERTAL
to be used with 400-C-MI	400-C-INSERTMI

Clip for Boss-Lock™ Couplings



Feature:

- .072 stainless steel wire

Stainless Steel Part #
AC7

Clip Assembly



Features:

- for use with Boss-Lock™ couplings
- includes pull ring, chain and AC3 clip

CarbonSteel Part #
BLCA152CS

Jack Chain with S-Hook



Length	Material	Part #	Optional Qty
6"	brass	CH-B-6	10
12"	brass	CH-B-12	10
24"	brass	CH-B-24	---
12"	carbon steel	CH-C-12	10
6"	stainless	CH-SS-6	10
12"	stainless	CH-SS-12	10
24"	stainless	CH-SS-24	10

Locking Cam Arm Velcro® Straps

Application:

- use with cam & groove couplers to prevent spills, secure from damage, and hold in place during transport

Features:

- used on the female end of a cam & groove coupler
- high visibility orange hook and loop with metal buckle provides strength, durability and long life
- temperature range: **-70°F to 200°F (-57°C to 93°C)**



coupler sold separately

Length	Used On	Part #
12"	fits up to 1½" coupler	CVS12
18"	fits up to 3" coupler	CVS18
24"	fits up to 5" coupler	CVS24
36"	fits up to 8" coupler	CVS36

Lanyards with Clip for Boss-Lock™ Couplings

Materials:

- clip: carbon steel
- lanyard: nylon

Coupler Size	Part #
3/4" - 1"	ACL4
1 1/4" - 4"	ACL2
6"	ACL3



Cam & Groove

PVC Coated Lanyards

Material:

- PVC coated carbon steel with aluminum crimp sleeves

Feature:

- one end factory crimped, one end uncrimped for field installation

Length	Part #
15"	CAL15
25"	CAL25



Lanyard for Boss-Lock™ Couplings

Feature:

- breaking strength: 160 lbs.

Overall Length	304 Stainless Part #
7"	LR7

