

# CAM & GROOVE



## Specification:

- The components of the Cam & Groove Coupling as follows :
  - > Body Class A: Aluminum alloy - UNS A03560, A07120, or A07130 per ASTM B26. Aluminum alloy - UNS A03560 in T6 Temper, A07120, or A07130 per ASTM B26 for castings and 2011, or 6061 per ASTM B211 for bar stock
  - > Handles: Cam arms will be Copper Alloy UNS C36500, C37700, C46400, C48200, or C48500 per ASTM B124 for forgings, or Stainless Steel UNS S30400, or S31600 per B325 or CF-8, or CF-8M per ASTM A743, or suitable powdered metal per MPIF STD 35, or suitable investment cast metal to ASTM A3 51 or A743.
  - > Gaskets are of Nitrile material for use in temperatures above -20° F. Nitrile gaskets conform to ASTM D 2000, Grade M2BG610 B14EA14EF21F17Z1Z2. Buna-N (Standard) -40 F to 212 F.
  - > Cam Pins: cam pins will be CRES Alloy UNS S30323, S30300 per ASTM A582, or Class S30430 or S31600, condition A, per ASTM A276.
  - > Pull Rings: the pull rings will be CRES Alloy UNS S30400 or S30200 per ASTM A313.

**The surface finish of the coupling assembly will be Class A Aluminum alloy - Anodic coating, non-dyed, 0.0004 inch minimum thickness.**

**Designed/Manufactured as per Mil Spec 27487 tolerances that allows easy interchangeability with all major brands of this type coupling.**

### Maximum Operating Pressure (PSI)

3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
250	250	250	250	250	150	125	100	75	75	50

\* At room temperature

### ENGINEER APPROVAL

#### Cam & Groove

- Type A
- Type B
- Type C
- Type D
- Type E
- Type F
- Type DC
- Type DP

JOB: \_\_\_\_\_ DATE: \_\_\_/\_\_\_/\_\_\_

MEETS DIMENSIONAL SPECIFICATIONS:  YES  NO

MEETS MATERIAL SPECIFICATIONS:  YES  NO

MEETS PRESSURE / TEMPERATURE SPECIFICATIONS:  YES  NO

NOTES: \_\_\_\_\_

ENGINEER NAME: \_\_\_\_\_

ENGINEER SIGNATURE: \_\_\_\_\_

\* Due to the continuous development of our products, design or construction may change without prior notice.

# CAM & GROOVE

## Aluminum BUNA-N Gasket

### Male Adapter X Female NPT



#### TYPE A Weights (LBS) • Dimensions (IN) • QTY (Case Quantity)

ITEM CODE	SIZE	QTY	WEIGHT	LIST PRICE
CL.75AA	¾	200	0.08	
CL1AA	1	200	0.09	
CL1.25AA	1 ¼	100	0.20	
CL1.5AA	1 ½	100	0.24	
CL2AA	2	100	0.33	
CL3AA	3	64	0.60	
CL4AA	4	45	1.21	
CL6AA	6	24	2.14	
CL8AA	8	4	5.22	

### Female Coupler X Male NPT



#### TYPE B Weights (LBS) • Dimensions (IN) • QTY (Case Quantity)

ITEM CODE	SIZE	QTY	WEIGHT	LIST PRICE
CL.75BA	¾	100	0.24	
CL1BA	1	75	0.38	
CL1.25BA	1 ¼	50	0.64	
CL1.5BA	1 ½	50	0.75	
CL2BA	2	50	0.88	
CL3BA	3	27	1.10	
CL4BA	4	15	2.07	
CL6BA	6	8	3.75	
CL8BA	8	NA	NA	

### Female Coupler X Hose Shank



#### TYPE C Weights (LBS) • Dimensions (IN) • QTY (Case Quantity)

ITEM CODE	SIZE	QTY	WEIGHT	LIST PRICE
CL.75CA	¾	100	0.24	
CL1CA	1	50	0.40	
CL1.25CA	1 ¼	50	0.68	
CL1.5CA	1 ½	50	0.93	
CL2CA	2	50	1.10	
CL3CA	3	16	2.16	
CL4CA	4	18	2.78	
CL6CA	6	8	5.51	
CL8CA	8	1	11.13	

### Female Coupler X Female NPT



#### TYPE D Weights (LBS) • Dimensions (IN) • QTY (Case Quantity)

ITEM CODE	SIZE	QTY	WEIGHT	LIST PRICE
CL.75DA	¾	100	0.26	
CL1DA	1	75	0.38	
CL1.25DA	1 ¼	50	0.68	
CL1.5DA	1 ½	50	0.68	
CL2DA	2	50	0.95	
CL3DA	3	27	1.65	
CL4DA	4	15	2.42	
CL6DA	6	8	4.19	
CL8DA	8	4	10.14	

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## Aluminum BUNA-N Gasket

### Male Adapter X Hose Shank



#### TYPE E Weights (LBS) • Dimensions (IN) • QTY (Case Quantity)

ITEM CODE	SIZE	QTY	WEIGHT	LIST PRICE
CL.75EA	¾	200	0.13	
CL1EA	1	100	0.18	
CL1.25EA	1 ¼	72	0.26	
CL1.5EA	1 ½	100	0.42	
CL2EA	2	50	0.62	
CL3EA	3	32	1.26	
CL4EA	4	18	2.20	
CL6EA	6	8	4.47	
CL8EA	8	1	7.27	

### Male Adapter X Male NPT



#### TYPE F Weights (LBS) • Dimensions (IN) • QTY (Case Quantity)

ITEM CODE	SIZE	QTY	WEIGHT	LIST PRICE
CL.75FA	¾	200	0.10	
CL1FA	1	100	0.16	
CL1.25FA	1 ¼	100	0.44	
CL1.5FA	1 ½	75	0.24	
CL2FA	2	75	0.53	
CL3FA	3	48	1.10	
CL4FA	4	27	2.16	
CL6FA	6	16	3.48	
CL8FA	8	4	8.64	

### Dust Cap Coupler



#### TYPE DC Weights (LBS) • Dimensions (IN) • QTY (Case Quantity)

ITEM CODE	SIZE	QTY	WEIGHT	LIST PRICE
CL.75DCA	¾	100	0.24	
CL1DCA	1	100	0.26	
CL1.25DCA	1 ¼	50	0.40	
CL1.5DCA	1 ½	50	0.66	
CL2DCA	2	50	0.77	
CL3DCA	3	30	1.43	
CL4DCA	4	20	2.09	
CL6DCA	6	10	3.31	
CL8DCA	8	5	8.82	

### Dust Plug Adapter



#### TYPE DP Weights (LBS) • Dimensions (IN) • QTY (Case Quantity)

ITEM CODE	SIZE	QTY	WEIGHT	LIST PRICE
CL.75DPA	¾	200	0.09	
CL1DPA	1	200	0.12	
CL1.25DPA	1 ¼	180	0.18	
CL1.5DPA	1 ½	120	0.24	
CL2DPA	2	100	0.35	
CL3DPA	3	64	0.66	
CL4DPA	4	36	1.21	
CL6DPA	6	20	2.20	
CL8DPA	8	6	3.31	