### **DATA SHEET**

# **Dixon™ Stainless Steel Camlock**



The Dixon™ Cam & Groove coupling is a reliable quick connect coupling for use on hose, pipe, tubing and tanks conveying a wide variety of liquids, dry bulk materials and vapours including cooling water, fuels, chemicals, cosmetics, food products, adhesives, dyes, pharmaceuticals, pellets and much more.



#### **Applications**

- Liquids
- Dry bulk materials and vapours
- Fuel and Fuel Oil
- Chemical
- Cosmetics
- Food and Beverage products
- Adhesives
- · Paint and Dyes
- Pharmaceuticals

#### **Specifications**

Interchangeable with all product produced to commercial description A-A-59326D

#### **Materials**

- · In accordance with the requirements of ASTM-A351
- · Body: Stainless steel grade CF8M
- · Levers: 210 Stainless steel
- · Pins: 303 Stainless steel
- · Pull Rings: 316 Stainless steel
- Seal: Nitrile Rubber

#### **Connections**

- · BSP Female and Male
- · Camlock Adaptor and Coupler
- Hosetail

Note: Click on the product image and you will be linked to the relevant product information.

#### How It Works

The coupling is connected by simply opening the coupler arms and inserting the adapter into the coupler. The two cam arms are then closed under normal hand pressure to complete the joint. Uncoupling is as quick and simple as coupling, just lift the cam arms and remove the adapter.

#### **Pressure Ratings:**

- Recommendations based on the use of mating Dixon fittings at ambient temperature 21°C (70°F) with standard nitrile rubber seal installed. For use at elevated temperature or other unusual operating conditions, consult Dixon.
- Dixon couplers and adapter's maximum working pressure are as follows:

#### **Stainless Steel Camlock Pressure Ratings**

Sizes (mm)	15	20-50	65	75	100	125-150	200
Pressure (PSI)	150	250	150	125	100	75	50

#### **Safety Notes:**

- · Under no circumstances should cam and groove couplings be used for compressed air or steam service.
- Pressure rating recommendations are based on the use of mating Dixon fittings at ambient temperature 70°F / 21°C with a standard seal installed. For use at elevated temperature or other unusual operating conditions, consult Dixon.
- · Pressure rating is based on the seal of the mating part.
- Couplings made using the die cast process must not be welded.

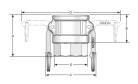
## Dixon™ Stainless Steel Camlock Technical Information



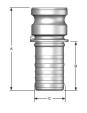
The Right Connection®

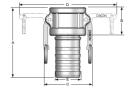




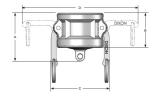












Product Code: AL05

	Type A - Size	20	25	32	40	50	65	80	100	150
Α	Overall Length	40	49	55	55	63	79	83	86.5	82
В	Adaptor Length	28	35	42	41.5	48	50	51.5	53	56
С	Distance Across Flat	33	41	50	52	68	83	96	125.5	178
	Weight (kgs)	0.11	0.19	0.25	0.35	0.49	0.91	1.05	1.64	2.69

	Type B - Size	20	25	32	40	50	65	80	100	150
Α	Overall Length	52	59.5	68	69.5	75	83.5	88	92	100
В	Adaptor Length	32.5	68	43.5	44.5	51	53	55	56	62
С	Distance Across Flat	52	61.5	83	89.5	101.5	110	132.5	165	231
	Weight (kgs)	0.21	0.34	0.60	0.69	0.82	1.05	1.38	2.17	3.89

	Type D - Size	20	25	32	40	50	65	80	100	150
Α	Overall Length	51.5	59	67.5	68	75	82	84	91.5	94
В	Adaptor Length	32.5	38	44	44	50.5	53	54	55.5	63
С	Distance Across Flat	52	61.5	82.5	90	99	113	133	165	232
	Weight (kgs)	0.21	0.34	0.60	0.69	0.82	1.05	1.38	2.17	3.89

	Type F - Size		25	32	40	50	65	80	100	150
Α	Overall Length	62.58.5	69.5	79	79	90	99	104	111	116
В	Adaptor Length	27	34	43	42	48	49.5	51.5	56.5	57
С	Distance Across Flat	33	41	50	57.5	68	82.5	95.5	124	178
	Weight (kgs)	0.18	0.26	0.42	0.52	0.69	0.98	1.33	2.09	4.19

	Type E - Size	20	25	32	40	50	65	80	100	150
Α	Overall Length	91.5	108	113	115.5	128	134	156.5	177	213
В	Shank Length	53	60.5	62	62	76	78.5	101	111	143
С	Distance Across Flat	21	27	34	41	53.5	66	78.5	105	157
	Weight (kgs)	0.16	0.27	042	0.52	0.71	1.05	1.54	2.45	5.33

	Type C - Size	20	25	32	40	50	65	80	100	150
Α	Overall Length	86	100	107	110	128	134	160	168	205
В	Adaptor Length	54	62	64	66	77	83	106	112	140
С	Distance Across Flat	52	60	83	90	99	113	132.5	165	233
	Weight (kgs)	0.23	0.36	0.57	0.64	0.96	1.10	1.89	2.60	5.55

	Type DP - Size	20	25	32	40	50	65	80	100	150
Α	Overall Length	39.5	44	50	54	60	64	66	68.5	73.5
В	Adaptor Length	28	33	40	38	46	49.5	50	53	56
С	Distance Across Flat	32	36.5	45	53	63	76	91.5	119.5	176
	Weight (kgs)	0.09	0.13	0.25	0.27	0.40	0.66	0.77	1.09	3.01

	Type DC - Size	20	25	32	40	50	65	80	100	150
Α	Overall Length	44	51	58	61	63	69.5	68	72	80
В	Adaptor Length	33	38	42	45	51	52	54	58	65
С	Distance Across Flat	52	60	83	90	100	111	133	165	231
	Weight (kgs)	0.19	0.28	0.45	0.51	0.69	0.80	1.20	1.68	4.13

#### Dixon

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