## DATA SHEET Dixon<sup>™</sup> Aluminium Camlock



The Dixon<sup>™</sup> 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

- Conforms to ASTM B 26/B 26M Grade 356.0 T6
- Body: Die Cast Aluminium
- Levers: Brass
- Pins: Zinc Plated Steel
- Pull Rings: Zinc Plated 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:

#### **Aluminium Camlock Pressure Ratings**

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

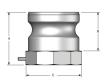
#### Safety Notes:

- 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.

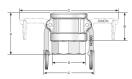
# Dixon<sup>™</sup> Aluminium Camlock Technical Information



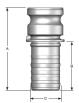
The Right Connection®

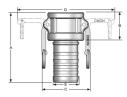




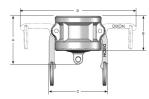












Product Code: AL12

	Type A - Size	20	25	32	40	50	65	80	100	150
A	Overall Length	41.60	50	55.56	54.50	62.70	71.44	70.50	77.78	85.80
В	Adaptor Length	28	35.5	40.08	41.50	48	50.80	54.10	52.78	58.80
С	Distance Across Flat	35	41	48	55	66.50	81.50	96	122.50	181
	Weight (kgs)	0.05	0.07	0.09	0.12	0.17	0.26	0.30	0.51	1.02
	Type B - Size	20	25	32	40	50	65	80	100	150
A	Overall Length	55.20	62.70	68.80	68	75.80	88.64	86	95	100
B	Adaptor Length	36.20	43.70	44.580	46	52	59.64	55	57	62
C	Distance Across Flat	53.40	61.50	82.70	90.50	100	112.50	137.60	165.70	221.30
0	Weight (kgs)	0.11	0.16	0.29	0.31	0.38	0.44	0.64	0.90	1.85
	Weight (kgs)	0.11	0.10	0.29	0.51	0.50	0.44	0.04	0.90	1.00
	Type D - Size	20	25	32	40	50	65	80	100	150
А	Overall Length	52.80	63.50	63.55	71.50	76.50	88.90	88	93.70	100
В	Adaptor Length	32.80	40.50	44.50	46	52	55.30	55	58.70	62
С	Distance Across Flat	53.40	61.50	82.70	90.50	100	112.50	137.60	165.70	221.30
	Weight (kgs)	0.12	0.17	0.26	0.33	0.39	0.49	0.57	0.96	1.81
		1	I	1	J	1	1	1	J	1
	Type F - Size	20	25	32	40	50	65	80	100	150
А	Overall Length	62.60	72.23	75.50	76.70	86.30	104.78	100	107.90	120.50
В	Adaptor Length	28	35.50	40.08	41.50	48	50.80	51	52.78	58.60
С	Distance Across Flat	35	41	48	55	66.70	80	94	121	181
	Weight (kgs)	0.07	0.11	0.15	0.18	0.27	0.42	0.50	0.88	1.58
	1									
	Type E - Size	20	25	32	40	50	65	80	100	150
А	Overall Length	89	106	109.6	114.60	145.23	145.10	163.60	175	238
В	Shank Length	50.80	57.20	57.20	61	85.70	81.50	101.60	108	181.50
С	Distance Across Flat	21	27	33.75	39.88	52.60	66.20	77.79	103.99	154.80
	Weight (kgs)	0.07	0.11	0.16	0.23	0.32	0.41	0.56	0.96	2.03
	Type C - Size	20	25	32	40	50	65	80	100	150
А	Overall Length	85	98	101.70	107	137.70	135.30	156.60	165	223.50
В	Adaptor Length	34.20	40.48	44.50	46	52	55.30	55	57	62
С	Distance Across Flat	53.40	61.50	82.70	90.50	100	112.50	137.60	165.70	237.50
	Weight (kgs)	0.11	0.17	0.30	0.34	0.49	0.50	0.87	1.20	2.41
	Type DD Size	20	25	20	40	50	65	00	100	150
A	Type DP - Size Overall Length	<b>20</b> 38	<b>25</b> 48.50	<b>32</b> 54	<b>40</b> 58.60	<b>50</b> 66	65 68.20	<b>80</b> 71	<b>100</b> 72.79	<b>150</b> 95.53
	Adaptor Length	30.20	36.50	39.70	41.67	48	53		52.78	58.60
R	Auaptor Length	30.20		45.45	53.40	48 63.03	75.78	56 91.47	119.52	175.93
B	Distance Across Elet	32 04	36.70		55.40	05.05		51.41	119.02	110.93
B C	Distance Across Flat	32.04	36.70		012	0.10	በ 25	0 2 2	0.60	1 00
	Distance Across Flat Weight (kgs)	32.04 0.04	36.70 0.05	0.10	0.12	0.18	0.25	0.32	0.60	1.09
					0.12 <b>40</b>	0.18 <b>50</b>	0.25 65	0.32 <b>80</b>	0.60 <b>100</b>	1.09 <b>150</b>
	Weight (kgs)	0.04	0.05	0.10			ų			
С	Weight (kgs) <b>Type DC - Size</b>	0.04 <b>20</b>	0.05 <b>25</b>	0.10 <b>32</b>	40	50	65	80	100	150
C	Weight (kgs) Type DC - Size Overall Length	0.04 <b>20</b> 42	0.05 <b>25</b> 51.50	0.10 <b>32</b> 60	<b>40</b> 63	<b>50</b> 70.50	<b>65</b> 71.20	<b>80</b> 73.50	<b>100</b> 77	<b>150</b> 98

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