



Technical Description

- Camlock Couplings are also known as Cam & Groove Couplings and Quick Connect & Disconnect Couplings.
- The connection consists of a male and a female coupler, that when coupled forms a fixed joint connection between pipes and hoses.
- The quick connect and disconnect couplings will remain joined together until both the handles are pulled upwards releasing the connection.
- There is a recessed gasket in the female coupler, which forms an air tight seal when connected with the male adaptor. Safety pins are provided to keep handles locked in place.

WORKING PRESSURES (PSI) At - 40 Degree to 250 Degree Celsius

Material	Size in Inches						
	1/2	3/4	2 1/2	3	4	5	6
Brass	150	250	150	125	100	75	75
Aluminium	150	250	150	125	100	75	75
Carbon Steel (WCB)	150	250	225	200	100	100	100
Stainless Steel 304	150	250	225	200	100	100	100
Stainless Steel 316	150	250	225	200	100	100	100
Polypropylene	75	100	-	50	-	-	25

Industries



End Connection

Female thread | Male thread | Hose shank | Socket weld | Flange

Materials Available

Carbon Steel A105 |
SS 304 and 304 L |
SS 316 / 316 L |
Brass |
Aluminium |
Polypropylene

Application

Camlock Couplings are used to connect and disconnect Hoses and installation on Gantry and Storage Tanks.

Key Features

- All KFI Camlock Couplings are made according to **MIL Spec A-A-59326 Specification**, which supersedes old MIL STD C-27487 and DIN 2828 standard
- KFI Teflon lined Camlock couplings are compatible for chemical applications
- KFI Camlock Couplings are also available with self-sealing valve arrangement
- KFI range also includes customized types of reducing Camlock Pipe Fittings, Spool Adapters and KC nipples.

Accessories - Gaskets

PTFE | Viton | Silicon | EPDM | BUNA -N - NITRILE



Accessories - CAM Arms and Pins



TYPES OF CAMLOCK COUPLINGS

TYPE A	TYPE B	TYPE C	TYPE D
Male Adaptor with Female Thread	Female Camlock with Male Thread	Female Camlock with Hose Barb End	Female Camlock with Female Thread
TYPE E	TYPE F	TYPE DC	TYPE DP
Cam Adaptor with Hose Barb End	Camlock Adaptor with Male Thread	Dust Caps for Male Adaptors	Dust Plugs for Female Couplings

Camlock Thread	Male Adaptor Female	Female Camlock Male	Female Camlock Hose Bard End	Female Camlock Female													
CAD Design																	
Size	Type A			Type B			Type C					Type D					
INCHES	MM	A	B	C	A	B	C	A	B	D	E	G	A	B	C	E	G
1/2	13	13	37	26	14	47	39	10	73	15	31	39	14	48	26	32	39
3/4	19	20	41	35	19	54	54	13	87	21	35	54	21	53	34	35	54
1	25	24	46	38	23	62	60	19	97	27	40	60	25	60	40	39	59
1 1/4	32	28	55	47	30	68	80	26	104	33	46	79	30	70	51	46	70
1 1/2	40	35	58	56	36	72	81	32	109	41	47	86	36	74	57	47	80
2	50	45	62	69	47	79	89	43	125	53	53	97	46	81	68	54	89
2 1/2	65	55	89	82	60	87	105	56	136	68	56	105	56	87	82	57	105
3	75	72	71	101	72	91	90	66	160	76	58	121	73	90	98	59	121
4	100	97	80	126	100	99	148	90	170	103	62	148	101	100	124	61	150
5	125	121	85	150	123	103	175	106	187	130	65	175	121	102	152	63	180
6	150	145	89	182	150	113	220	144	256	155	66	220	141	108	181	68	220

Camlock Thread	Male Adaptor Female	Female Camlock Male	Female Camlock Hose Bard End	Female Camlock Female										
CAD File														
Size	Type E					Type F				Type DC		Type DP		
inches	mm	A	B	C	D	E	A	B	C	E	B	C	B	E
1/2	13	14	64	29	15	29	13	56	26	37	43	39	36	27
3/4	19	20	84	35	21	34	21	59	35	41	46	54	38	25
1	25	25	93	38	27	37	25	68	38	45	52	59	46	34
1 1/4	32	28	104	49	34	46	28	78	47	54	60	70	53	41
1 1/2	40	36	110	58	40	49	36	81	56	58	63	80	55	41
2	50	45	128	76	53	57	45	87	68	62	70	89	63	49
2 1/2	65	55	135	79	66	57	55	101	79	69	73	105	68	53
3	75	72	160	98	78	58	72	103	101	71	78	121	66	52
4	100	96	168	122	102	60	96	118	126	79	90	150	70	54
5	125	120	193	162	126	71	124	127	150	82	105	180	75	53
6	150	143	243	178	152	76	151	121	181	78	113	220	88	90