

CONVOLUTED
TECHNOLOGIES PTY LTD

CT LOCK Camlocks & Accessories 316 Stainless Steel



Features

- High quality
- Two-stage locking mechanism
- Choice of seal materials
- Comprehensive range in stock
- Increased wall thickness for durability
- Extra long locking arms for ease of use
- Industrial crimp ferrules available
- Conforms to federal MIL A-A-59326B / EN 14420-7 / DIN 2828 standards



Index

- *About CT LOCK Camlocks & Fittings.....Page 3*
- *Product Range.....Pages 4-5*
- *Performance & Specifications.....Page 6*
- *Parts & Accessories.....Page 7*

Convuluted Technologies is an Australian owned company, servicing the industry with high quality flexible metal hoses, interlocked hoses, composite hoses and thermal protective sleeving. We also supply an extensive range of products, fittings, accessories and provide a pressure pipe fabrication service.

Our state of the art manufacturing facility in western Sydney enables us to supply the industry with high quality standard products, and also gives us the flexibility to manufacture products to meet your custom requirements.

Our dedicated team is highly experienced & takes great pride in the quality, range and flexibility of products and services that our company offers. Contact us now to discuss your needs – we're here to help!



About CT LOCK Camlocks & Fittings

Standards

These standards guarantee the interchangeability of cam & groove couplings with other brands of couplings made to the same specification.

They also set out the required specifications relating to the materials, dimensions, tolerances, pressure ratings & castings.

All our CT Lock Camlocks & Fittings are precision engineered to conform to the following industry standards:

- Federal Mil A-A-59326B Sep 12 2005
- EN 14420-7 Sep 2004
- DIN 2828

"CT LOCK" – What's the difference?

- **Longer, Stronger Arms** – easy to use, with less force needed to operate, but designed & built stronger to last.
- **"Two-Stage" Cam** – added safety feature which prevents accidental uncoupling, as the second stop position prevents the arms from releasing until almost fully open.
- **Thicker Casting, Longer Threads** – designed to higher spec's than cheaper products in the market, provides greater strength & durability to last in the harsh conditions these products must endure.
- **Drop & Crush Resistant** – increased wall thickness helps prevent damage or "out-of-round" conditions to components.
- **Quality Materials Guaranteed** – all castings, seals & components are designed & made to withstand the harshest environments.
- **Milled Tails & Bores** – precision engineered with tighter tolerances for better fit & grip



Product Range – Male Camlocks

633A Camlock Style A - Male		
Size mm	Size inch	PART NUMBER
12	1/2"	CMLKASS-012
20	3/4"	CMLKASS-020
25	1"	CMLKASS-025
32	1 1/4"	CMLKASS-032
40	1 1/2"	CMLKASS-040
50	2"	CMLKASS-050
65	2 1/2"	CMLKASS-065
80	3"	CMLKASS-080
100	4"	CMLKASS-100
150	6"	CMLKASS-150



633E Camlock Style E - Male		
Size mm	Size inch	PART NUMBER
12	1/2"	CMLKESS-012
20	3/4"	CMLKESS-020
25	1"	CMLKESS-025
32	1 1/4"	CMLKESS-032
40	1 1/2"	CMLKESS-040
50	2"	CMLKESS-050
65	2 1/2"	CMLKESS-065
80	3"	CMLKESS-080
100	4"	CMLKESS-100
150	6"	CMLKESS-150



633F Camlock Style F - Male		
Size mm	Size inch	PART NUMBER
12	1/2"	CMLKFSS-012
20	3/4"	CMLKFSS-020
25	1"	CMLKFSS-025
32	1 1/4"	CMLKFSS-032
40	1 1/2"	CMLKFSS-040
50	2"	CMLKFSS-050
65	2 1/2"	CMLKFSS-065
80	3"	CMLKFSS-080
100	4"	CMLKFSS-100
150	6"	CMLKFSS-150



634A Camlock Style P – Dust Plug Male		
Size mm	Size inch	PART NUMBER
12	1/2"	CMLKDPSS-012
20	3/4"	CMLKDPSS-020
25	1"	CMLKDPSS-025
32	1 1/4"	CMLKDPSS-032
40	1 1/2"	CMLKDPSS-040
50	2"	CMLKDPSS-050
65	2 1/2"	CMLKDPSS-065
80	3"	CMLKDPSS-080
100	4"	CMLKDPSS-100
150	6"	CMLKDPSS-150



Product Range – Female Camlocks

633B Camlock Style B – Female		
Size mm	Size inch	PART NUMBER
12	1/2"	CMLKBSS-012
20	3/4"	CMLKBSS-020
25	1"	CMLKBSS-025
32	1 1/4"	CMLKBSS-032
40	1 1/2"	CMLKBSS-040
50	2"	CMLKBSS-050
65	2 1/2"	CMLKBSS-065
80	3"	CMLKBSS-080
100	4"	CMLKBSS-100
150	6"	CMLKBSS-150



633C Camlock Style C – Female		
Size mm	Size inch	PART NUMBER
12	1/2"	CMLKCSS-012
20	3/4"	CMLKCSS-020
25	1"	CMLKCSS-025
32	1 1/4"	CMLKCSS-032
40	1 1/2"	CMLKCSS-040
50	2"	CMLKCSS-050
65	2 1/2"	CMLKCSS-065
80	3"	CMLKCSS-080
100	4"	CMLKCSS-100
150	6"	CMLKCSS-150



633D Camlock Style D – Female		
Size mm	Size inch	PART NUMBER
12	1/2"	CMLKDSS-012
20	3/4"	CMLKDSS-020
25	1"	CMLKDSS-025
32	1 1/4"	CMLKDSS-032
40	1 1/2"	CMLKDSS-040
50	2"	CMLKDSS-050
65	2 1/2"	CMLKDSS-065
80	3"	CMLKDSS-080
100	4"	CMLKDSS-100
150	6"	CMLKDSS-150



634B Camlock Style K – Dust Cap Female		
Size mm	Size inch	PART NUMBER
12	1/2"	CMLKDCSS-012
20	3/4"	CMLKDCSS-020
25	1"	CMLKDCSS-025
32	1 1/4"	CMLKDCSS-032
40	1 1/2"	CMLKDCSS-040
50	2"	CMLKDCSS-050
65	2 1/2"	CMLKDCSS-065
80	3"	CMLKDCSS-080
100	4"	CMLKDCSS-100
150	6"	CMLKDCSS-150

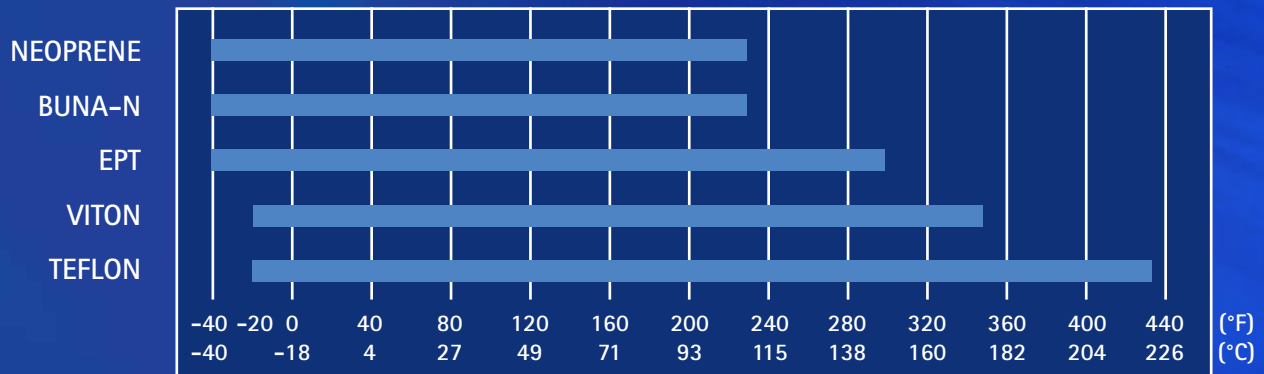


Performance & Specifications

Working Pressure

Maximum Working Pressure – Based on Ambient Temperature										
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
Bar	18	18	18	18	18	18	10	10	10	5
kPa	1800	1800	1800	1800	1800	1800	1000	1000	1000	500
Psi	250	250	250	250	250	250	150	150	150	75

Operating Temperature Range for Different Camlock Seal Materials



Accessories

Spare Parts

Convulated Technologies also supply a full range of individual spare parts, should you ever need them:

Spare Parts		Part Numbers		
Size mm	Size inch	Pin	Arm	Finger Ring
12	1/2"	CMLKPINSS-012-020	CMLKARMSS-012-020	CMLKRINGSS
20	3/4"			
25	1"	CMLKPINSS-025	CMLKARMSS-025	
32	1 1/4"	CMLKPINSS-032-065	CMLKARMSS-032-065	
40	1 1/2"			
50	2"			
65	2 1/2"			
80	3"	CMLKPINSS-080-100	CMLKARMSS-080-100	
100	4"			
150	6"	CMLKPINSS-150-200	CMLKARMSS-150-200	

Seals

We have many different seal types available (including Nitrile, Viton, Rubber, Silicon, PTFE, Neoprene, EPDM) – to suit a wide range of applications.

Related Products

In addition to our Stainless Steel CT LOCK Products, we also carry an extensive range of Crimp Ferrules in Stainless Steel 304.

Crimp Ferrules		Internal Diameter (mm)	Length (mm)	Convulated Part Number
Size mm	Size inch			
20	3/4"	35	45	CHFERSS-020
25	1"	47	51	CHFERSS-025
32	1 1/4"	51	52	CHFERSS-032
40	1 1/2"	58	62	CHFERSS-040
50	2"	70	74	CHFERSS-050
65	2 1/2"	88	74	CHFERSS-065
80	3"	101	104	CHFERSS-080
100	4"	128	122	CHFERSS-100

With a choice of quality fittings & seal materials available, we've got you covered!

"CT LOCK" - Your guarantee of quality



Unit 2/163 Prospect Highway, Seven Hills, NSW, 2147
Phone: 02 9838 9599 Fax: 02 9838 9611
Email: admin@convolutedtechnologies.com.au
www.convolutedtechnologies.com.au