

Cam & Groove Couplings

We provide quick-disconnect Cam-Lock in diversified fields of industries. They are produced in either casted and forged aluminum alloys, brass alloys, stainless steel series, polypropylene compound and nylon reinforced fibre combination.

Cam-Lock couplings are available as the basic of type A, B, C, D, E, F, DC & DP, as well as couplings with double connections on both ends, German-specified range and more variant cam and groove type of couplings.

They are generally in the range from ½" to 8". Superior clamps, banding clamps and safety clamps are usually offered in package which is used for rubber hose assemblies per US, military and German industrial requirements.

The series are made according to basically A-A-59326 superseding Military MIL-C-27487, German EN / DIN standards and tailored dimensions per specific demands for equipments.

A Comprehensive Range

Fully interchangeable with A-A-59326 / MIL-C-27487 Custom-made alloys, auto-locking system, shank details and constructions.



Enhanced w. T6 Heat Treatment

Camlock is one of the most popular quick couplings in the world. Among all materials aluminum alloy takes the

dominant market share because it has the advantage of being light-weighted and physically durable.

But the fact is there are plenty of low-quality productions that are working against that spirit. In order to secure sufficient strength achieving the least chance of breaking accident we are applying T6 heat treatment process to every single piece of aluminum alloyed camlocks.



Heat Treatment is the process whereby controlled heating and cooling is used to alter the physical and mechanical properties of metals without affecting any change in the shape of the objects. Heat treatment process is used to increase material strength and also to improve machining, formability and restore ductility.

We made a type test performed in a thir-party laboratory to testify that the mechanical strength of our couplings caps that from seven other companies without T6. Our aluminum alloy castings were snatched between 27.6 ~ 31.1 kN proving to be of the greatest strength.

Pressure Ratings (psi)

Cam and groove couplings are one of the most recognized types of quick disconnect fittings in industry. They are fast and reliable.

They are tempted to be used in so many different industries by unpredictable fashions of connection that

the benchmark of pressure rating is set up for the allowances per materials and sizes.

½", 5" and 8" ranges being out of standard specification, they intended by our engineers to be interchangeable with high-profiled Dixon company's.

The pressure recommendations are based on mating couplings at ambient temperature (21 °C / 70 °F).

Size inch	Pressure Ratings (psi)				
	AL	BR	SS	PP	NY
½"	150	150	150	75	100
¾"	250	250	250	75	100
1"	250	250	250	75	100
1¼"	250	250	250	75	100
1½"	250	250	250	75	100
2"	250	250	250	75	100
2½"	150	150	225	75	100
3"	125	125	200	50	50
4"	100	100	100	50	50
5"	75	75	100	-	-
6"	75	75	100	-	-
8"	50	50	50	-	-

Note: Rating for Polypropylene's is valued according to in-house type test results which is likely to vary from other manufacturers'.

Pressure and temperature duration may vary on different sealing materials are used. Overly hot temperature from either the passing media or the surroundings should cause a slip-away thus leakage if using the seals improperly.

Complex sealing materials, like PTFE plus NBR fully-closure gaskets, would be recommended for the capacity to endure aggressive chemicals without losing elasticity because of using so hard material as PTFE.