

Cam and Groove Design Information

Applications

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.

How does it work

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.

The Dixon range of Cam and Groove (Camlock) couplers and adaptors are manufactured to interchange with all product produced to Mil Spec A-A 59326, which supersedes Mil-C-27487. No Standard exists for the 1/2" (15mm) & 8" (200mm) fittings and generally these sizes do not interchange with other manufacturers.

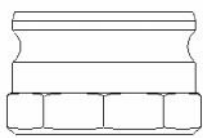
Maximum Pressure Ratings

Designed for use with liquids, consult Dixon for specific recommendations. Recommendations based on the use of mating Dixon fittings at ambient temperature 21°C with standard Buna-N seal installed. For use at elevated temperature or other unusual operating conditions, consult your Dixon representative.

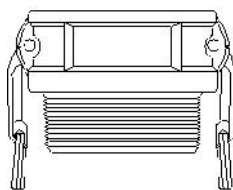
For Aluminium, Bronze, Brass, Stainless Steel & Malleable Camlocks:						
Size mm	15	20-60	65	75	100	125-150
Pressure (psi)	150	250	150	125	100	75

For Polypropylene and Nyglass camlocks:				
Size mm	15-25	32-50	75	100
Pressure (psi)	125	100	75	50

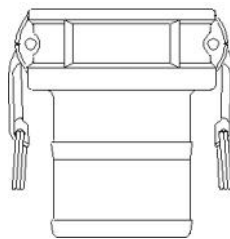
Cam & Groove Line Drawings



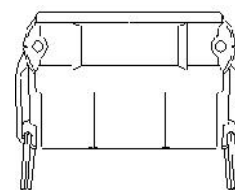
Type A



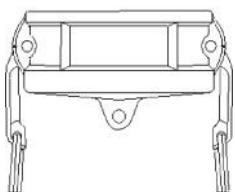
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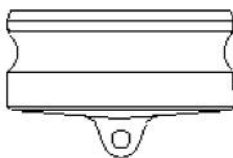
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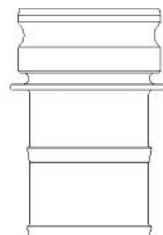
Type D



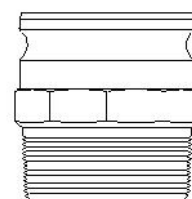
Type DC



Type DP



Type E



Type F