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Camlock Fittings Information by Adamina Ada

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To avoid leakages from a container, ensure that the container is tightly packed. Most industries use cam lock fittings to do so. Cam lock fittings are known by various names such as cam and grove couplings or just camlock couplings. These fittings or couplings are popular because they are considered to be a simple and economical way of re-connecting and disconnecting.

A Cam Lock Fitting can be used in a system where rapid filling of chemical drums takes place. It is used by factories that use or make dyes, paints and inks. It is used where frequent changes of hoses are required to find the right mix. It is used in the delivery of fuel to service stations. It is also used on petroleum trucks. Fire departments use camlock fittings to hook hoses to fire hydrants and fire trucks. Even cleaning services use it to connect and disconnect hoses in the event of a blockage.

Precautions to Be Taken While Using a Cam lock Fitting

â€¢ Connect a camlock fitting under low pressure.

â€¢ Another precaution that is to be taken is to match product with proper alloy couplings.

â€¢ Prior to use, you need to test the hose assembly to ensure leak free and tight assembly of hose, clamp and coupling.

â€¢ A coupling needs to be regularly checked for excessive wear and tear and should be replaced when required.

â€¢ To prevent accidental separation of lines and whipping of the hose, tie-off hose ends.

â€¢ It is possible to use devices that have a handle locking system. These devices can be safer.

Applications of Camlock fittings

â€¢ Camlock Fittings are used to handle various things such as chemical, petroleum, rail car unloading, dry bulk handling, water and agriculture.

â€¢ They are used in a variety of processes like in transportation of dry products and liquids.

â€¢ They are also used to tie hoses to tanks and pumps.

â€¢ Not only this, they are used to fix pipes and other hoses.

â€¢ They are used in general winery.

â€¢ They are also used in water pump allocations such as transfer pumps and trash pumps.

Different Types of Camlock Couplings Available

â€¢ Stainless steel camlock fitting: As the name suggests, this type of camlock fitting is made up of stainless steel. It is also made up of aluminum, nylon, brass and cast iron. It is available in different sizes ranging from 0.5â€• to 8â€•.

â€¢ Polypropylene camlock coupling: This type of coupling is available in many sizes and specifications. It can also be customized according to your need and specification.

â€¢ Quick Release coupler: This type of coupling is used in liquid transfer, compressed air line and hydraulic systems. It is available at reasonable price and you can get it designed as per your specifications.

â€¢ Brass couplings: A brass coupling can work under a working temperature ranging from 30 to 60.

Camlock Fittings come in standard sizes that range from 1/2 inch to 6 inch. They are used in various industries and applications. These are available in various categories like Type A, Type B, Type C, Type D, Type E and Type F.

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This article talks all about a Camlock Couplings. It throws light on various aspect of a a Camlock Coupling â€“ its types, size, applications and uses.

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