

Production of Hydraulic Hose. Industrial and Hydraulic Hoses Manufacturing Industry. Crimp Fittings for Rubber Hydraulic Hose.

Description:

A hydraulic hose is specifically designed to convey hydraulic fluid to or among hydraulic components, valves, actuators, and tools. It is typically flexible, often reinforced, and usually constructed with several layers of reinforcement since hydraulic systems frequently operate at high or very high pressures. Hydraulic hose is used in a variety of industrial hydraulic systems. Dimensions, performance specifications, construction options, and features are important parameters to consider when searching for hydraulic hose.

Important dimensions for the selection of hydraulic hose include the inside diameter, outside diameter, and minimum bend radius. Hydraulic hose sizes are denoted by the inside and outside diameter of the hose.

Types of Hydraulic Hose Construction:

Due to the variety of hydraulic hose applications and the range of chemicals and pressures they will be subjected to, there are likewise a number of hydraulic hose constructions.

Reinforced: This type of hosing resembles the basic three-layer construction, but with extra buffers in the reinforcement layer, most often in the form of textile braid, wire braid, or wire helix material around the inner tube.

Coiled: Coiled hoses are semi-rigid hoses designed for expansion and easy storing. Because the hose is coiled, it can stretch in such a way that does not put unnecessary pressure on the hose materials.

Corrugated: Another method of increasing expansion and flexibility in a hose is to introduce corrugation. Corrugation manifests as small threads or folds in the material of the hose, somewhat like an accordion, that allow the hose to expand and compress without damaging the housing.

Articulated: Articulated hoses are hoses built in sections, with rigid shafts connected by flexible joints. The articulation allows hoses to turn corners or swivel around other components.

Multi-element: Hoses that involve multiple elements listed above are termed "multi-element hoses."

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