

**Mills Machine Company, Inc.**  
Custom Manufacturing, Customer Service and Rapid Response.

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## Misc. Drilling Accessories - Section 15

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Please call for custom options and other accessories.

Visit our web site:  
[www.MillsMachine.com](http://www.MillsMachine.com)

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## Float Valves, Poppet Style

The Poppet (plunger) Style Float Valve provides positive and instantaneous shut-off against high or low pressure, assuring continuous flow of the fluid during drilling. It prevents flow-back when adding joints and keeps cuttings out of the drill pipe, preventing plugging while making connections.

## Float Valves, Flapper Style

The Flapper Style Float Valve incorporates a specially designed flapper which opens quickly and fully to provide a completely unrestricted bore through the hole. When circulation stops the flapper closes instantly to prevent cuttings from entering the drill string and plugging the bit. The flapper style valve compliments primary blowout prevention equipment.

## Water Swivels

Available are the top mounted swivels or the side inlet swivels. The top mounted swivel comes with a U-bolt bail for conventional drilling or with studs when used as a rotating head. The lower NPT connection can be right or left hand, depending on the drill rig, while the top connection is the standard right hand thread, straight up or with a goose neck.

The side feed swivels is used with hydraulic, top-head drive rigs to insure the prevention of contamination of the hydraulic fluid. They are also used with auger rigs to convert them to circulating, rotary drilling rigs. The bottom connection will be matched to your specific requirements while the side connection is a standard NPT thread. The top is a 1 5/8 or 2" hex pin.

Please specify the bottom connection, water connection and, for side feed, the tops drive connection. These connections will determine the water course diameter.

## Drive Shoes

Steel Drive Shoes are available in threaded or weld on design. They are designed to be attached to the bottom of the casing enabling it to be driven into bedrock at the bottom of the hole. We will need to know the size, weight per foot, thread and inner or outer taper design.

## Centralizers

The Centralizers are designed to attach to the casing or pipe and keep it centered in the hole to insure even distribution during the grouting process. Please specify the pipe diameter and carbon or stainless steel.

## Pipe Thread Compound

Pipe Thread Compound is carried in stock in one gallon buckets but other sizes are available. The different types available are; JLS ?multi purpose tool joint compound, Z-40 or Z-50 Zinc base tool joint compounds. We also stock Pipe Dope Brushes for application of the pipe thread compounds.

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## Pipe Thread Protectors

We stock both plastic and steel thread protectors in a broad range of thread types and sizes. We use this product to protect the threads on our hole openers, stabilizers, etc. during shipping.

## Pipe Wipers

Pipe wipers come in a range of styles and diameters and include reinforced steel rings for rigidity and strength. Many sizes are available on request. Please let us know if you need the solid or split style.

## Pipe Packers

Packers with either single or multiple sealing flanges are available with the expander tool assembly. Please call for price and availability.

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