

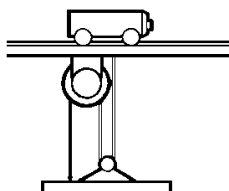
# Selecting Hose Reels

## Hose Specifics

Whether you order the reel with hose installed or plan to put on your own, this is the place you need to start when selecting a Gleason Hose Reel. Will you be using one or two hoses? What is the I.D. and O.D.? What product is passing through the hose? What is the operating temperature of the product? What operating PSI do you require? Please indicate if Gleason is to supply the hose. Hose installation is included in the price of hose purchased with the reel.

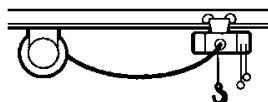
## Application

How you use your Gleason Hose Reel matters a great deal and will affect your model choice. Proper reel application is much more than finding a spool that will hold the amount of hose you have. In addition to the type of application, illustrated below, the proper reel strikes a delicate balance between the length and size of hose, the diameter of the spool core, the width of the spool, and the spring rate. Find your type of application on the illustrations below and use that information on the model charts on the following pages.



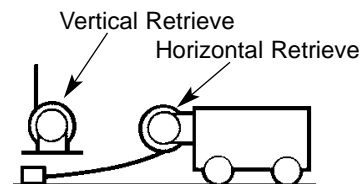
### VERTICAL LIFT

Any application where the hose is hoisted vertically with only the weight of the hose involved. Special consideration must be given to any weight added to the end of the hose, such as pneumatic tools, and to the weight of fluid in the hose.



### HORIZONTAL STRETCH

Stretching hose horizontally requires the greatest amount of tension of any application to maintain a minimum sag. In this catalog, Hose-Master and "U" reel capacities are based on 10% sag while "K" reels are based on a sag of 6%.



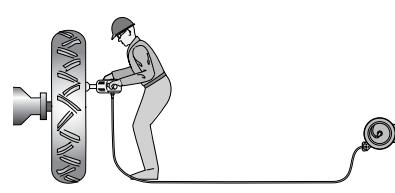
### RETRIEVE

A vertical retrieve application is much the same as a vertical lift except that the reel is located below rather than above. A horizontal retrieve application is identified when the reel is mounted on the moving equipment and pays-out cable into a tray or other support. **NOTE:** If the reel is stationary and the machine pulls the hose off the reel, it is considered a HORIZONTAL STRETCH application, even if the hose is supported.



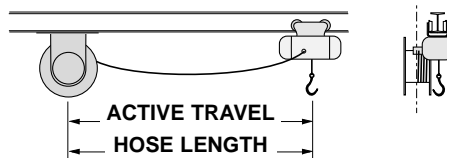
### MACHINE PULL or HAND PULL

Another important application consideration is whether the reel will receive the typically constant and predictable pull of a machine or the somewhat erratic pull of a human. All reels in this catalog are intended for mounting on machinery. Hose-Master Reels and the smaller U-Reels, however, can be equipped with springs and optional accessories designed to make the reels more suitable for hand pull. Generally, LIFT reels equipped with a ratchet lock are used.



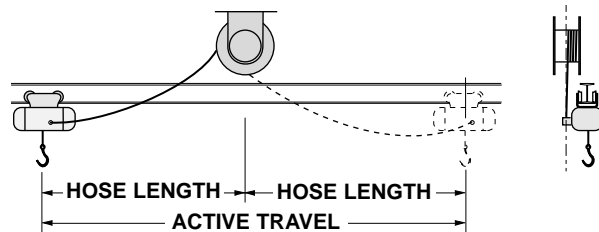
## Hose Length

To determine hose length, you must determine your ACTIVE TRAVEL length and whether the reel will be mounted for END FEED (one-way payout) or CENTER FEED (two-way payout). For end feed, hose length is equal to active travel plus amount needed for hook-up. For center feed (right), hose length is equal to **one half** the active travel length plus hook-up. Note that for a center feed Hose-Master, the standard Roller Guide must be removed. Other models come standard *without* a Roller Guide.



### END FEED (One-way Payout)

$$\text{Hose Length} = \text{Active Travel Length}$$



### CENTER FEED (Two-way Payout)

$$\text{Hose Length} = \frac{\text{Active Travel Length}}{2}$$