

SELECTING THE REEL

Start with the Hose or Cable

Start with the hose/cable: the size, length, and type of hose/cable to be handled are primary factors in selecting the proper reel for your job. The following points should be considered:

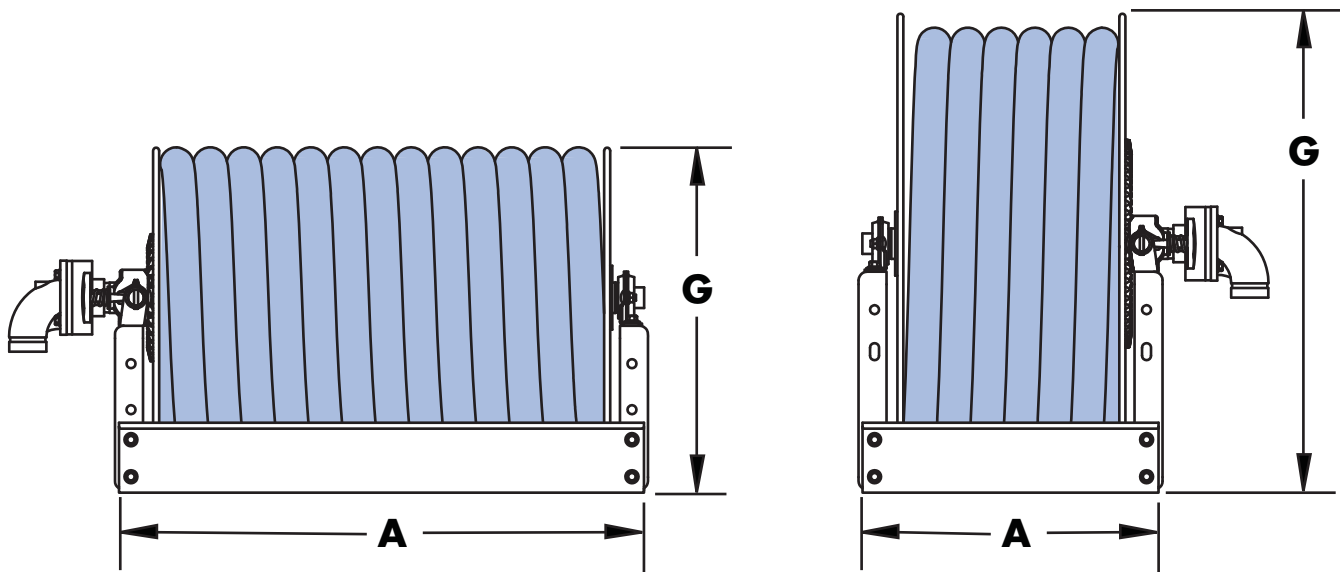
Be sure to use good quality hose rated for the service and operating pressures required. Poor quality hose tends to expand and contract under pressure surges. When this happens, hose remaining on the reel may bind and become difficult to handle. In extreme cases, poor quality hose may expand under pressure to the extent that the reel becomes distorted and is put out of operation.

It is important to use good quality cable, properly sized, with the correct number of conductors to carry the proper amperage and voltage. Consideration should be made for length of cable versus size of conductors as well as local electrical codes.

We have been manufacturing reels since 1933, and the reels listed in all of our catalogs are those found most in demand to handle hose/cable. Because our reels are assembled from a stock of standard components, we can produce many more sizes than are shown.

If the exact reel you need is not shown in any of the catalogs, please contact us with your specific requirements. In most cases we can produce your reel from standard components, at no extra cost to you.

The drawing shows two reels with identical capacity although the **A** and **G** reel dimensions are quite different. In most cases, more than one reel model will handle a particular size and length of hose or cable. Once you determine the size and length of hose or cable you need, you can specify a reel with the dimensions best suited to the available space.



Sample Model Number Configuration EF32-23-24 RT H5M

EF Prefix Type of Reel/Rewind*	32-23-24 Model Number Reel Size	RT Suffix Component Orientation	H5M Pressure Rating (5000 psi) Pressure
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* E = Non-Explosion Proof Motor

A = Air

EPJ = Explosion Proof with Explosion Proof Switch and Junction Box

EP = Explosion Proof Motor

HD = Hydraulic

EF = Non-Explosion Proof Motor (Fire)

C = Cable Storage

AG = Air Governor

INSTALLATION NOTE: For the Hannay Warranty to be valid
A FLEXIBLE CONNECTOR MUST BE USED BETWEEN THE SWIVEL AND THE INLET PIPING.

The Anatomy of a Hannay Hose Reel

1 Bearings

Weight of spool and hose is supported by bearings.

1a Back bearing

1b Front bearing

2 Disc

Rolled edges prevent hose damage and add rigidity to disc. Additional strength is provided by a concentric rib.

3 Drum

Roll formed steel with full-length weld.

4 Tie rods

Join discs and drum to form spool. Reinforced with pipe spacers for rigidity and strength.

5 Chain and sprocket drive

Provides smooth positive rewinding on powered reels.

6 Rewind motor

Electric rewind motor is shown. Compressed air or hydraulic motors can be used.

6a Electric Junction Box

7 Hub assembly

Includes the fluid hub, the outlet riser and the reel axle. Fluid passes from the swivel joint inlet through the hub assembly, to the hose.

7a Outlet riser

Contoured to match the curve of the reel drum so hose will wrap smoothly.

7b Fluid hub

Permits reel to rotate freely while connected to the fluid source. Joint is not used as a bearing. Straight or 90-degree swivel joints are available for most models. (Flexible connector must be used between swivel joint and inlet piping or warranty will be void.)

9 Brake/Rewind Assembly

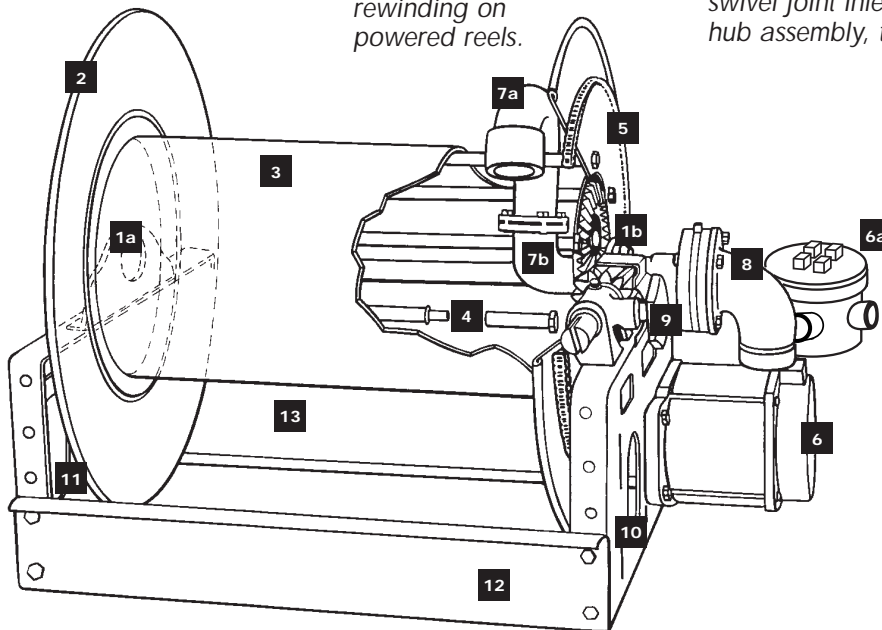
Bevel gear rewind has an adjustable tension brake. Rewind and braking devices vary with different models.

10 Front frame

11 Back frame

12 Front foot

13 Back foot



This cutaway illustration shows a typical power rewind reel with an optional auxiliary crank rewind mechanism. All Hannay Reels are assembled from combinations of the basic components shown here. Since components are taken from a large inventory, each reel is assembled to the buyer's particular requirements.

General Specifications of Hannay Hose Reels

Construction:

Frames, discs and drum are fabricated of heavy gauge steel. Bearings are self-aligning. Malleable iron and steel are used for hose reel hub assembly, outlet riser and swivel joints. Stainless steel, aluminum, and special swivel joint packing, can be supplied to meet special requirements.

Finish:

Standard finish is oven-cured enamel. Finishes other than standard, such as special primers may be specified at extra cost.

Temperatures & Pressures:

Standard reel construction will handle most liquids or gases at temperatures ranging from -20 degrees to +400 degrees F (-29 degrees to +204 degrees C). Operating pressures available up to 10,000 psi (695 BAR) depending on the specific reel series. These operating pressures and temperatures are shown on descriptive pages in each product catalog. Reels to operate at pressures and temperatures other than standard are available at extra cost.

Shipping:

Reels are shipped completely assembled, ready to install. Installation instructions are supplied with each reel.