

We are in the Business of
Solving Problems!

The MGS Group



MGS
Manufacturing
HALL
Industries



HALL CATERPILLAR CAPSTANS

HALL Industries Caterpillar Capstan, in sizes 10-inch through 60-inch, was developed to meet industry needs and has many outstanding features.

SPECIAL FEATURES:

- The traction belts are special timing belts. These are extra thick belts of 50-to-60 durometer. Special belt durometers are available for individual applications.
- Belts are backed up and continuously supported with a special material to provide an even contact pressure.
- For high-speed applications, belts are backed up and supported by a series of bearing mounted timing belt pulleys to provide an even contact pressure.
- The belts have zero stretch, and therefore, the Capstan can be used as an accurate measuring unit.
- The upper track is at a fixed height. The lower track is moveable and articulated to allow lumps or splices to go through while maintaining a grip on the product.
- Very accurate squeeze pressure is maintained through a precision regulator and gauge.
- The design is such that the front frame is open, allowing the cable to be put in directly without threading.
- A front Lexan guard with safety limit switch is provided. Inlet guide rollers are included.
- Special configurations are also available, such as double stacked, inverted or angled.



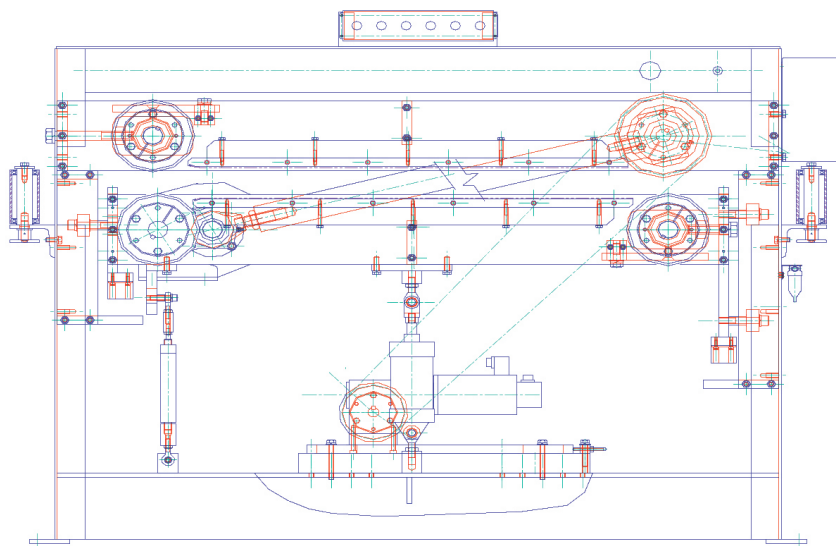
24-Inch High Speed Model



40-Inch Model

SPECIFICATIONS

Capstan Size	Maximum Pull (Pounds)	Maximum Speed (Feet Per Minute)	Belt Width	Maximum Cable Diameter	Dimensions L x W x H (Approximate)
10"	50	500	1"	2"	20" x 20" x 54"
24"	500	500	2"	3" to 6"	47" x 23" x 54"
24" High Speed	500	1000	2"	3" to 6"	47" x 23" x 54"
40"	1000	500	3"	4" to 6"	72" x 31" x 57"
60"	1000	500	4"	4" to 6"	86" x 31" x 57"



MGS / HALL designs and manufactures product handling solutions which include Payoffs, Takeups, Dancers, Accumulators, Measuring Machines, and Capstans to handle most any product from sensitive optical fiber to 1000MCM (507-mm²) power cable. We also can handle odd shapes, tubing, ribbon, and tape.

Our Automatic and Semiautomatic Takeups are extremely reliable for on-line packaging of a wide range of products and reels at high speeds, resulting in significant cost savings.

Machines that are built to meet the specifications of the individual customer is a characteristic of MGS/HALL systems. Comprehensive design and engineering capabilities together with meticulous manufacturing techniques and careful testing assure customer satisfaction. Some say we design machines with the user in mind. We like to think we're in the business of solving problems for other business – like yours!

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