

Series 1000 and 1100V



"Quality Since
1910"

HYDRAULIC CAPSTAN WINCHES



Bloom Hydraulic Capstan Winches – Standard Features

- GEAR CASE** - Made of high strength cast iron. Completely sealed for oil enclosed operation and to keep dirt out.
- WORM SHAFT** - One piece alloy steel hardened and ground to insure long service.
- WORM GEAR** - High tensile aluminum-nickel alloy bronze. Use of optimum lead and pressure angles transmit maximum power to the drum efficiently.
- GEAR RATIO** - 20:1 and 10:1 ratios provide optimum efficiency in power and speed.
- BEARINGS** - Worm gear and worm shaft run on tapered roller bearings in an oil enclosed gear case.
- OUTPUT SHAFT** - 1.50" diameter heat -treated alloy steel minimum tensile strength 150,000 psi.
- CAPSTAN** - Cast aluminum - keyed to shaft.
- MOTOR MOUNT** - SAE(A) 2-bolt flange. 1" woodruff keyed motor shaft. Motor is directly coupled into worm shaft. No separate coupling required.



www.bloommfg.com

BLOOM

Manufacturing Inc.

Winch Division

"Custom Engineered Solutions"

**Lifting
Pulling
Hoisting**

Toll Free Number: 1-800-394-1139

1443 220th Street., Independence, Iowa 50644 • FAX: 319-827-1140 • PHONE: 319-827-1139

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Industry Applications

Utility - Series 1000 is specifically designed to handle the daily needs of the utility industry

Fishing & Marine – both the Series 1000 and Series 1100V provide optimum performance in marine applications and environments. The Series 1000 is commonly used as pot and net haulers, and the Series 1100V for dock and barge applications



Four Models Available

MODEL 10-A-SR-CAP-10-GALV

10:1 RATIO. Pulls 1500 pounds at 110 feet per minute.

MODEL 11V-A-SR-CAP-10-GALV

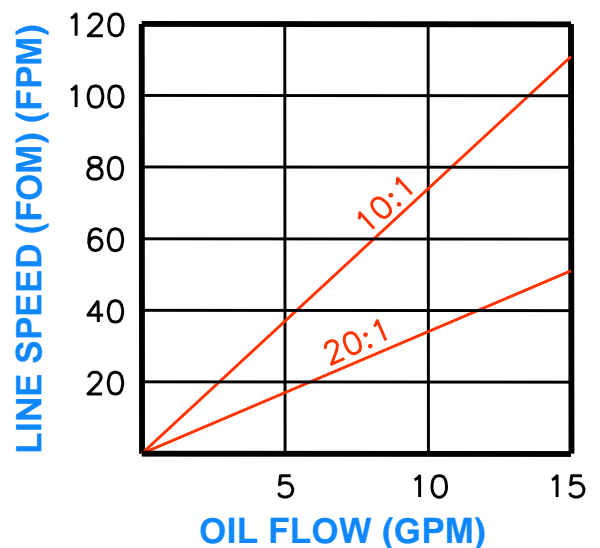
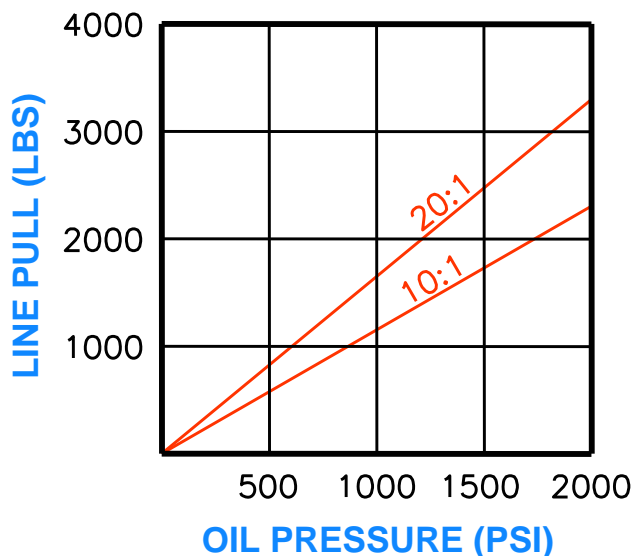
10:1 RATIO. Pulls 1500 pounds at 110 feet per minute.

MODEL 10-A-SR-CAP-20-GALV

20:1 ratio. Pulls 3000 pounds at 55 feet per minute.

MODEL 11V-A-SR-CAP-20-GALV

20:1 ratio. Pulls 3000 pounds at 55 feet per minute.

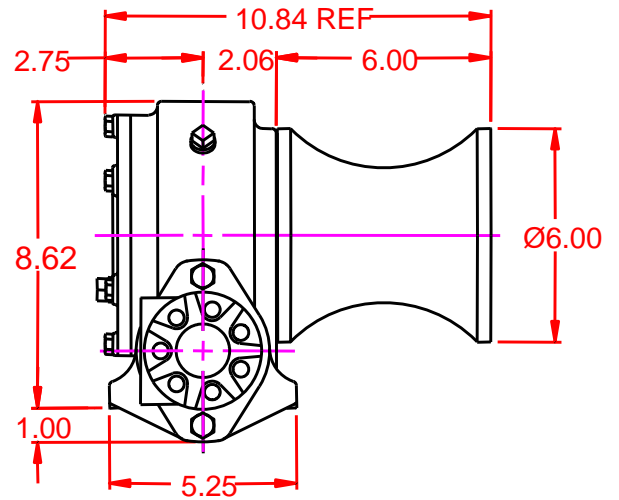




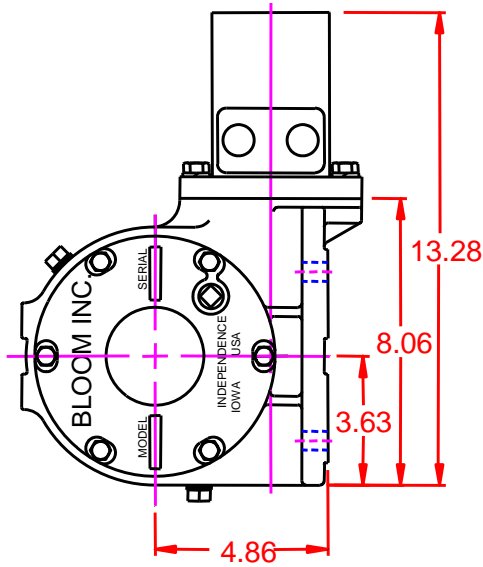
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Dimensional Drawings

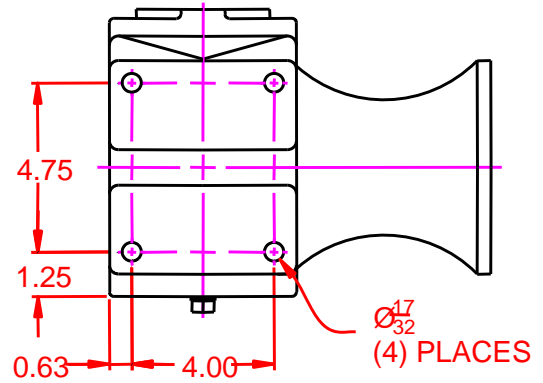
Series 1000 Capstan



FRONT VIEW

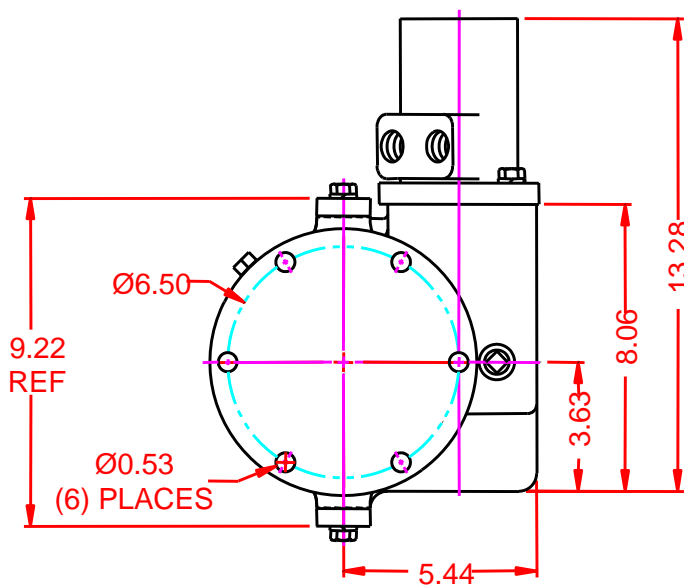


SIDE VIEW

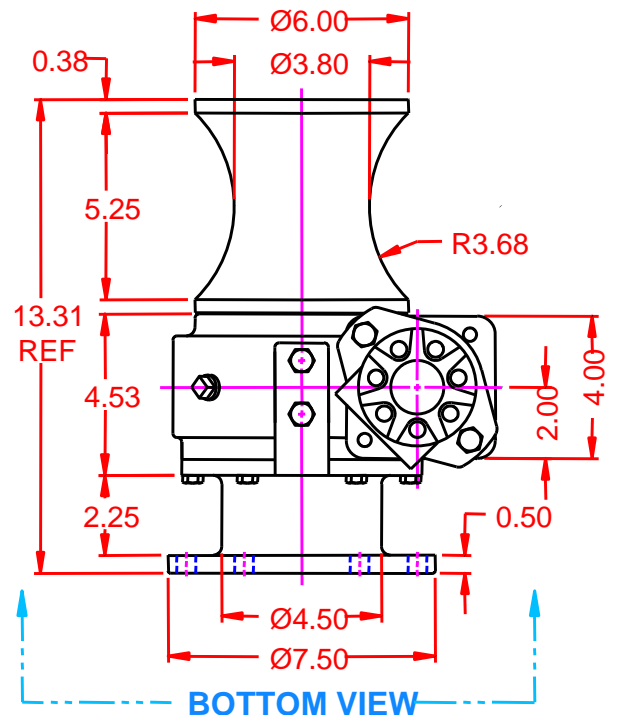


BOTTOM VIEW W/O MOTOR

Series 1100V Capstan



BOTTOM VIEW



BOTTOM VIEW

Correct choice of Directional Control Valves for Bloom Winches

Motor Spool Valve – Work Ports are **open** to tank in neutral position

Use on all winches that use Counter Balance Valves to hold load.

Some winches may use a combination of CB Valve and Hydraulic Brake.

Tandem Center Spool Valve – Work Ports are **blocked** in neutral position

Use on all winches that use motor only to hold load.

*Winches require ridged mounting plate.

See owner's manual for information about proper mounting plate thickness or call Bloom Sales Engineer at factory

WARNING!

Goods are not intended for use in the moving or lifting of persons!

The winches described herein are neither designed nor intended for use or application to equipment used in the lifting or moving of persons and it is understood that all such use shall be at the sole risk of the user.

The cable clamps on winches are not designed to hold rated loads. A minimum of 5 wraps of cable must be left on drum barrel to guarantee holding of rated load.

Applications of winch where life would be endangered by any event are not recommended.



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