

BLOOM™ WINCH



Series 1100VSS

Hydraulic Capstan Winches

*"Quality Since
1910"*



***Fast Dependable
Bloom Winches***

***A Pull Above
the Rest***

Bloom™ Hydraulic Capstan Winches – Standard Features

- | | |
|---------------------|--|
| GEAR CASE | - Made of high strength cast iron and Electroless Nickel Plated for corrosion resistance. 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 | - Shaft is supported by two heavy duty oil lubricated bearings in gear case. |
| OUTPUT SHAFT | - 1-1/2" diameter heat -treated alloy steel minimum tensile strength 150,000 psi. |
| CAPSTAN | - Stainless Steel - 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 1100VSS is specifically designed to handle the daily needs of the utility industry

Fishing & Marine – The Series 1100VSS provides optimum performance in marine applications and environments. Bloom Capstan Winches are commonly used as pot and net haulers, and for dock and barge applications



Four 1100V Series Capstan Models Available

MODEL 11V-C2.95-SR-CAP-20-GALV-5834
20:1 RATIO. Pulls 3000 pounds at 100 feet per minute.

MODEL 11V-C2.95-SR-CAP-10-GALV-5834
10:1 RATIO. Pulls 2000 pounds at 190 feet per minute.

Based on 2000 PSI and 25 GPM

MODEL 11V-A-SR-CAP-20-GALV-5834
20:1 Ratio. Pulls 3000 pounds at 50 feet per minute.

MODEL 11V-A-SR-CAP-10-GALV-5834
10:1 RATIO. Pulls 2000 pounds at 110 feet per minute.

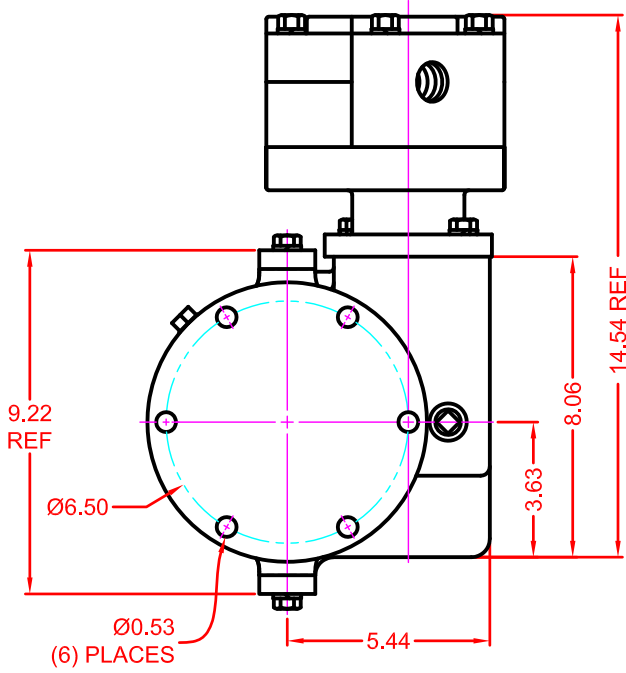
Based on 2000 PSI and 15 GPM

BLOOM™ WINCH

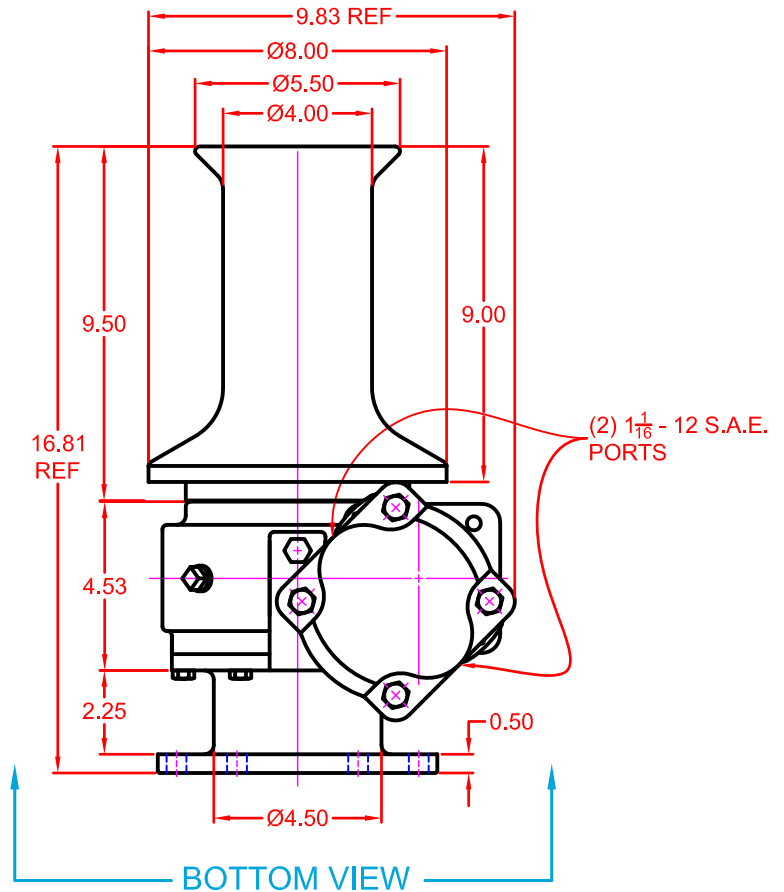
Dimensional Drawings



"Quality Since 1910"

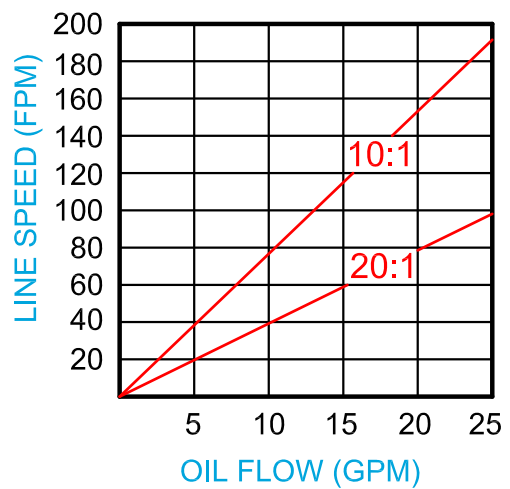
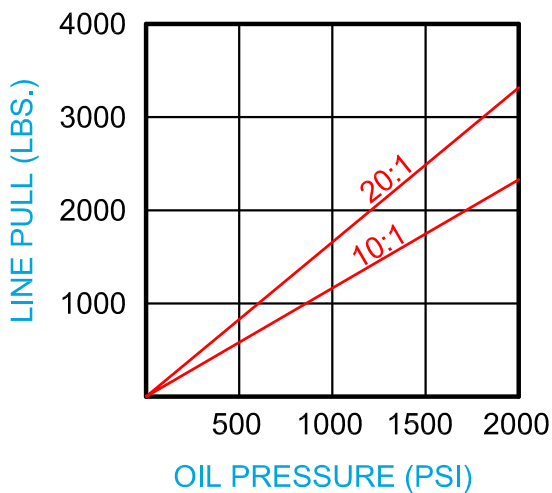


BOTTOM VIEW



BOTTOM VIEW

C2.95 MOTOR

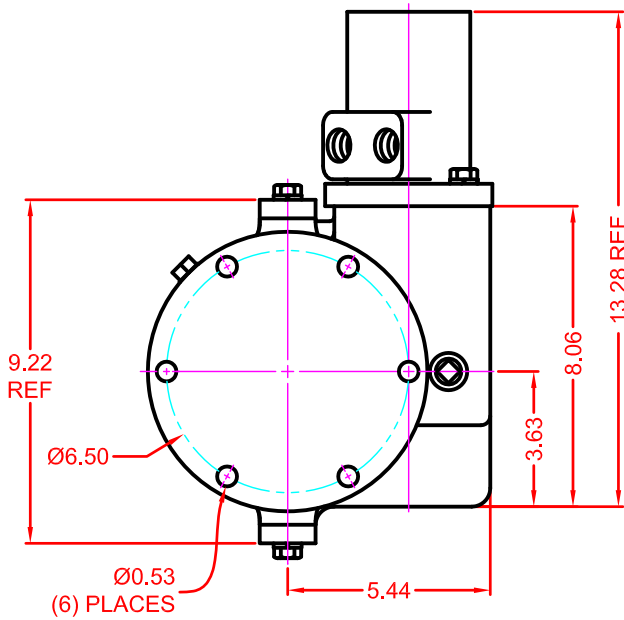


BLOOM™ WINCH

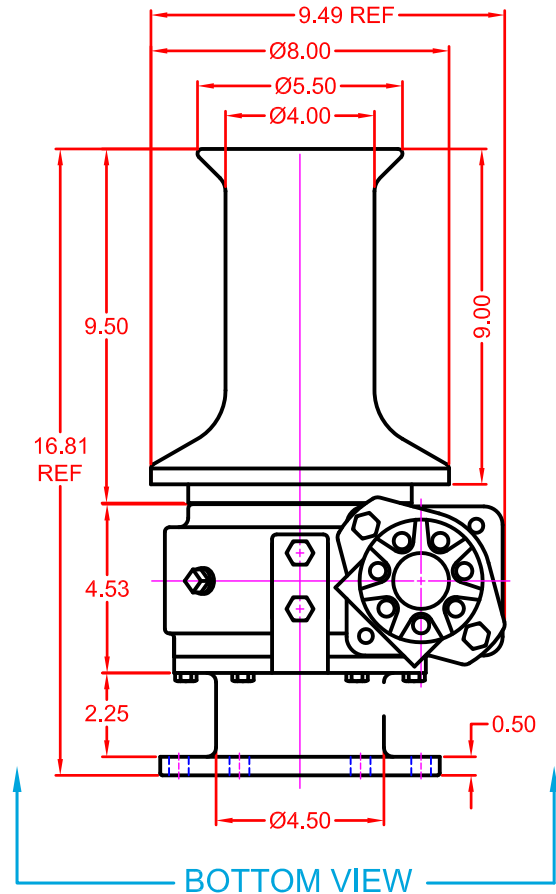
Dimensional Drawings



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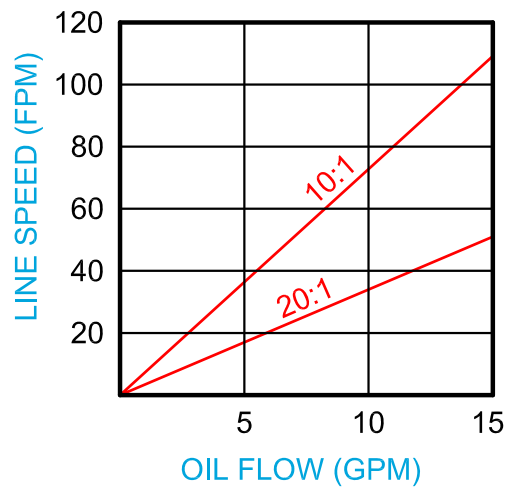
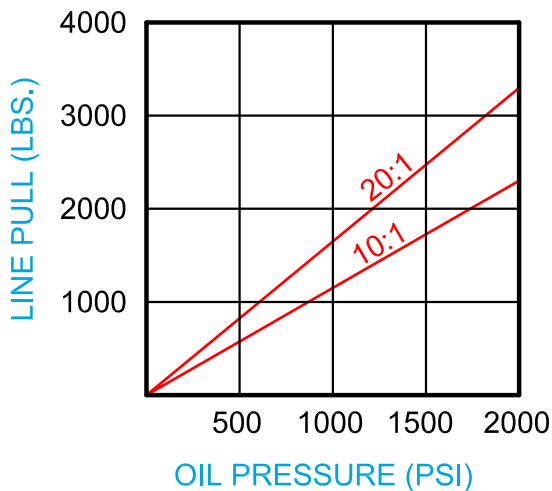


BOTTOM VIEW



BOTTOM VIEW

A MOTOR



BLOOM™ WINCH

Correct choice of Directional Control Valves for Bloom Winches

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

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

*Capstans 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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