

BLOOM™ WINCH

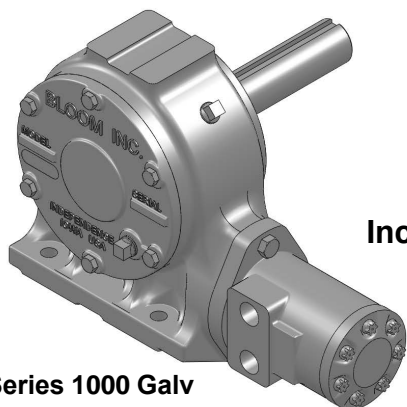


Series 1000 Galv & Series 1100 Galv

Hydraulic Speed Reducer

*"Quality Since
1910"*

The rugged construction and versatility of the **Series 1000 Galv** and **Series 1100 Galv** **Speed Reducer** is ideal for stationary and mobile applications where slow speed, high torque, or variable speed and reversing are needed. Applications include paving and curb forming, ditching, irrigation, and plastic and extruding equipment.

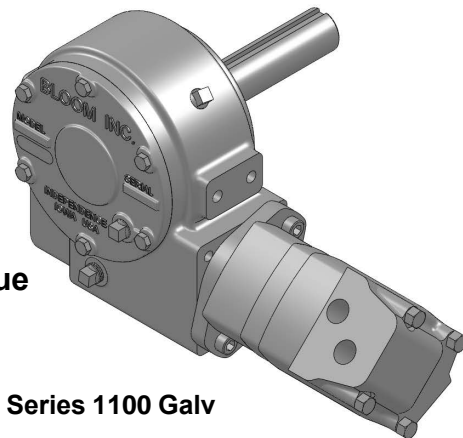


Series 1000 Galv

GALVANIZED

Up To 24,000

Inch Pounds of Output Torque



Series 1100 Galv

Bloom™ Hydraulic Speed Reducers – 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. The hydraulic motor couples direct to the shaft. |
| WORM GEAR | - High tensile aluminum-nickel alloy bronze . Optimum lead and pressure angles transmit maximum power to the drum. |
| GEAR RATIO | - 20:1 standard, optional 10:1, 27:1 and 40:1 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 | - 1-1/2" diameter heat -treated alloy steel minimum tensile strength 150,000 psi. |
| 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

BLOOM™ WINCH

Series 1000 Galv and Series 1100 Galv Model Selection from Performance Data



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MODEL EXAMPLE: 10-E-SR-RH-20-GALV

Gear Case and

Shaft Designation

10 = Series 1000 Galv with 1-1/2" Output

Shaft 11 = Series 1100 Galv with 1-1/2"

Output Shaft

Hydraulic Motor Designation

A, B, C, DD, E, G, 4.9, 6.2, 8.0, 9.6, 11.9

IS - Input Shaft

Galvanized

Gear Ratios

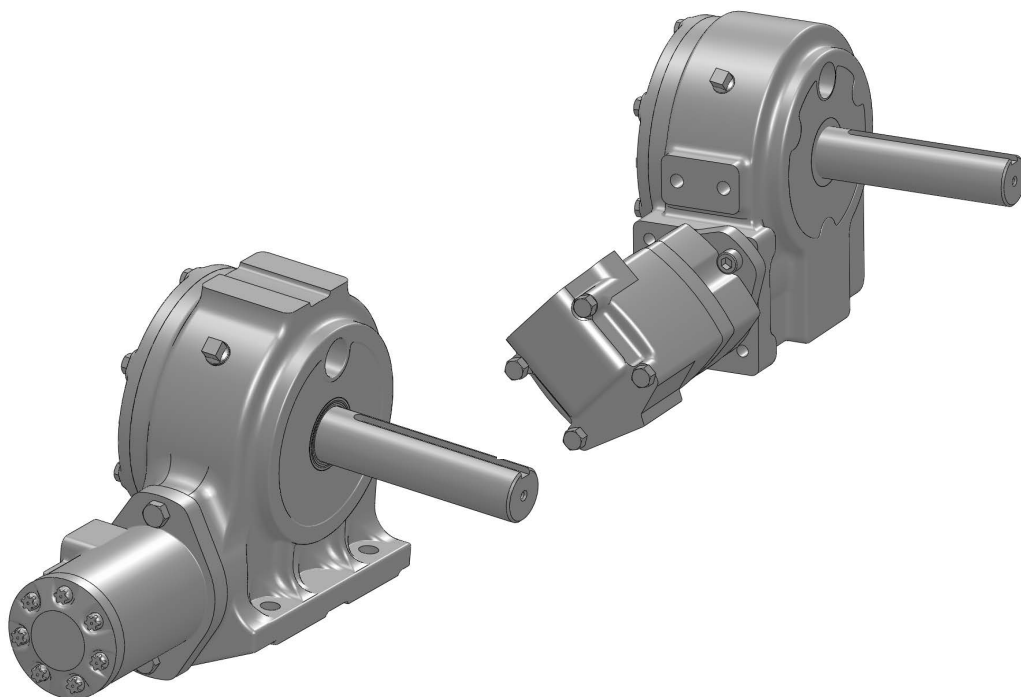
10:1, 20:1, 27:1, 40:1

Shaft Position

RH - Right Hand (Standard)

LH - Left Hand

Speed Reducer



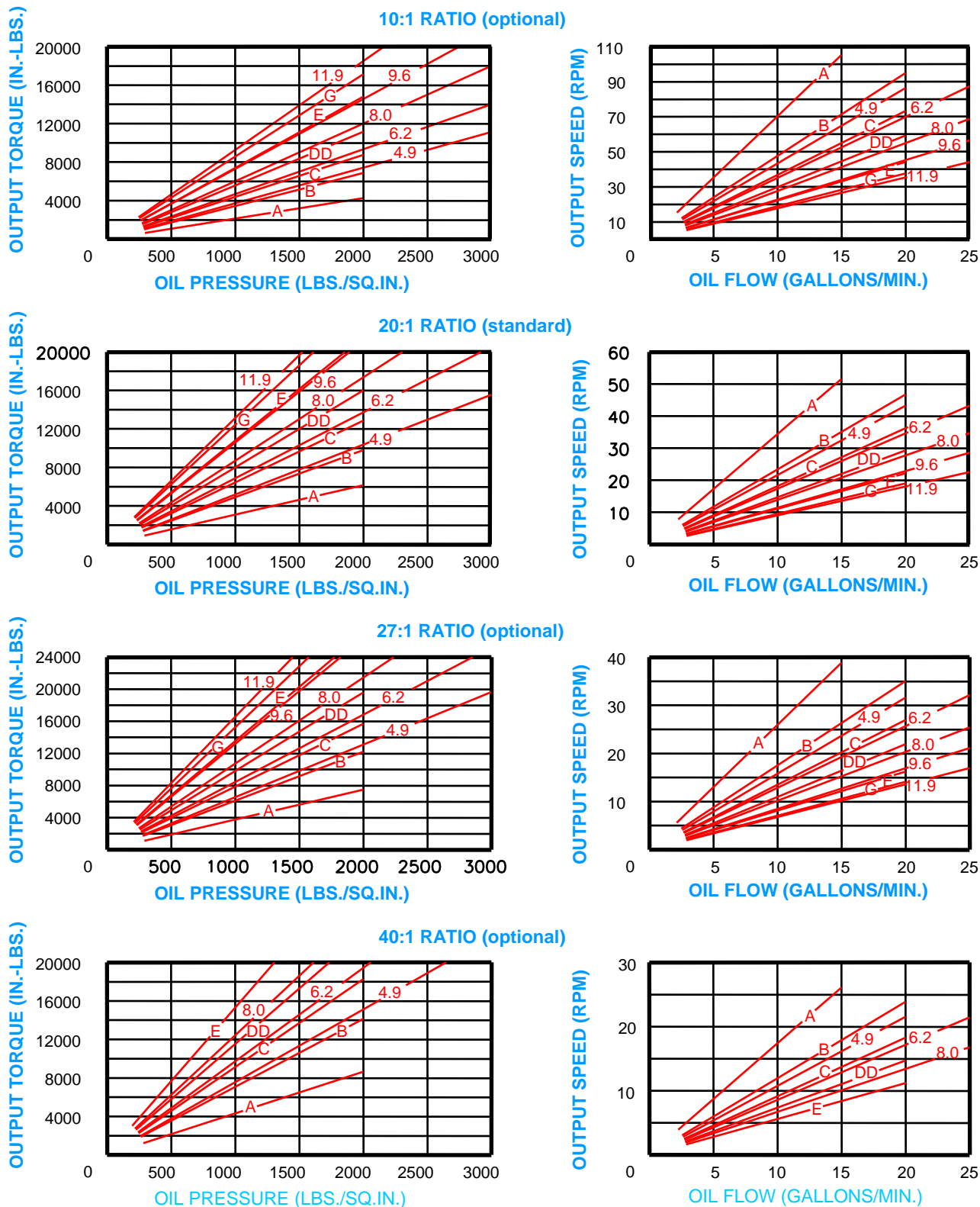
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Series 1000 Galv & Series 1100 Galv

"Quality Since 1910"

Bloom Hydraulic Speed Reducers Model Selection from Performance Data



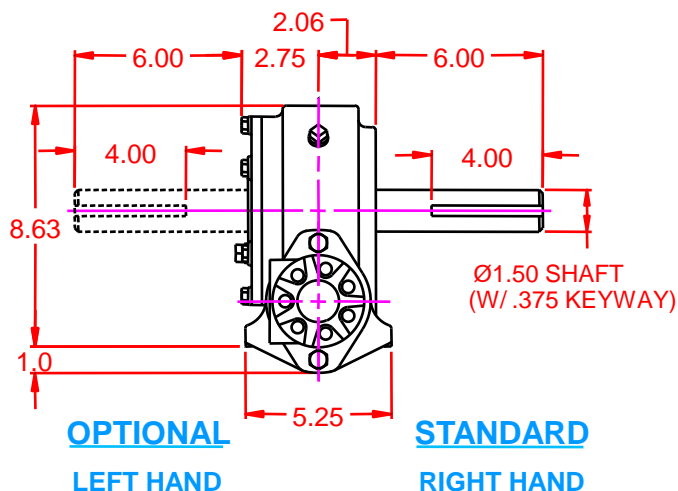
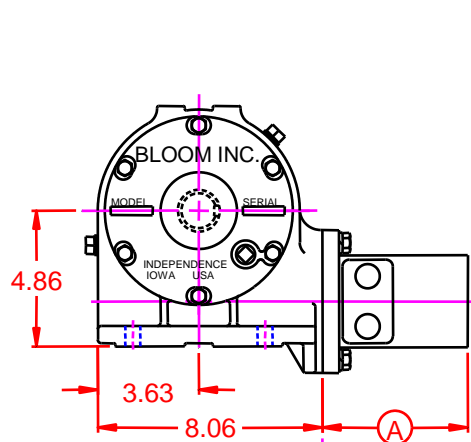
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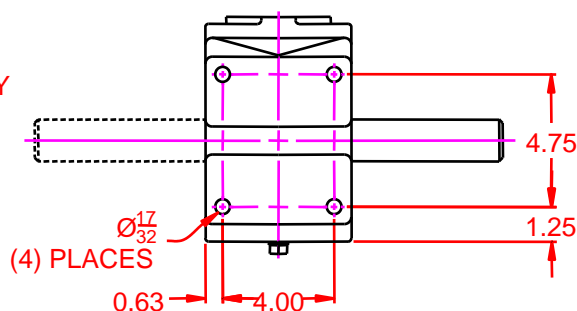
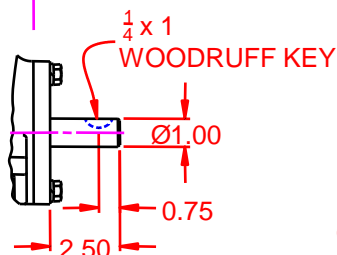
Dimensional Drawings

Series 1000 Galv Speed Reducer

"Quality Since
1910"



INPUT SHAFT MODEL



MOTOR DESIGNATION	A	B	C	DD	E	G
(A) DIMENSION	5.22	5.37	5.49	5.62	5.84	5.97

OVERHUNG LOAD ON OUTPUT SHAFT AT 100 RPM (LB.)	Ø1.50 SHAFT
1" FROM FACE OF GEARCASE	750
2" FROM FACE OF GEARCASE	600
3" FROM FACE OF GEARCASE	500

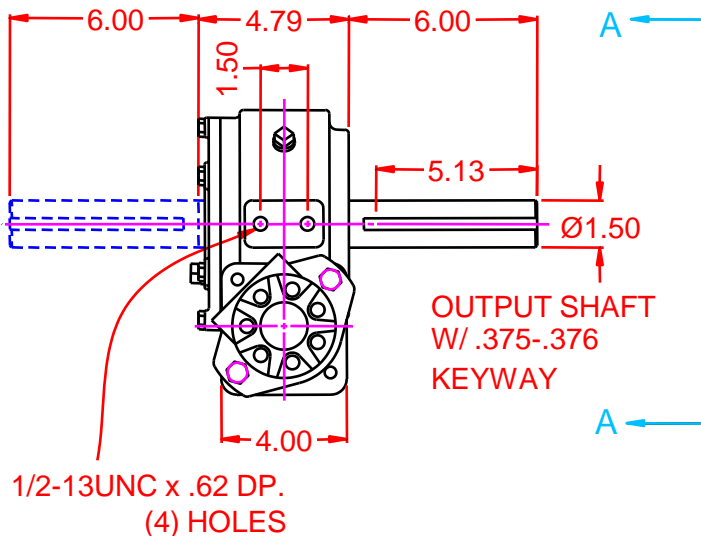
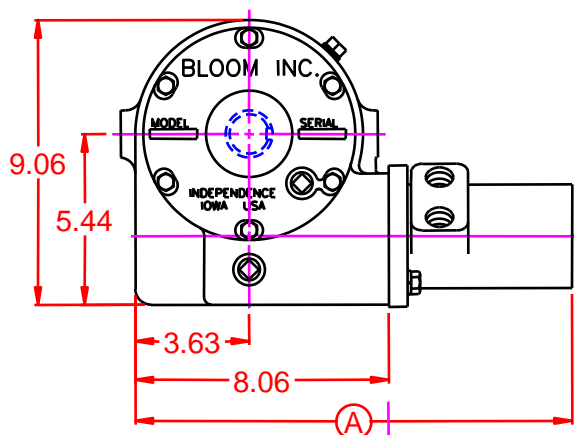
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Dimensional Drawings

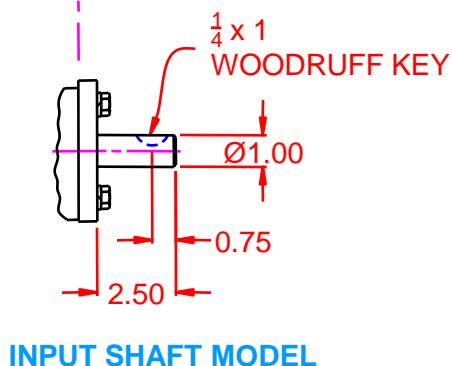
Series 1100 Galv Speed Reducer

"Quality Since 1910"

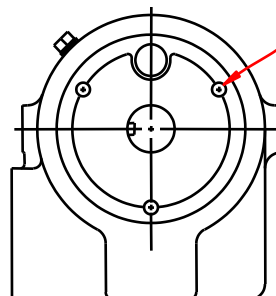


OPTIONAL
LEFT HAND

STANDARD
RIGHT HAND



OPTIONAL
Ø1/2-13 UNC x .75 DEEP
3 HOLES ON Ø5.00 B.C.
EQUALLY SPACED APART
MOUNTING HOLES AND FACED



VIEW 'A-A'

MOTOR DESIGNATION	A	B	C	DD	E	G	4.9	6.2	8.0	9.6	11.9
Ⓐ DIMENSION	13.28	13.43	13.55	13.68	13.90	14.03	15.32	15.50	15.75	15.75	16.02

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 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.



BLOOM Manufacturing Inc. **Winch Division**

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