Series 1000H
Hydraulic Speed Reducer

The rugged construction and versatility of the Series 1000H 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.

Up To 24,000 Inch Pounds of Output Torque

Bloom™ Hydraulic Speed Reducers – Standard Features

MOTOR-BRAKE - **DUET-SAFE® Double Action Braking System** combines a powerful spring applied, hydraulic released motor-brake with a double counter balance brake valve to automatically hold loads when hydraulic pressure is released and control speed during lowering operations. Speed Reducer is ideal for high speed lifting and pulling applications or wherever load holding is critical.

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.
MODEL EXAMPLE: 10H-3.0T-SR-RH-20

Gear Case and Shaft Designation
10H = Series 1000H with 1-1/2” Output Shaft

Hydraulic Motor Designation
3.0T, 6.2T, 9.6T
IS - Input Shaft

Shaft Position
RH - Right Hand (Standard)
LH - Left Hand

Gear Ratios
10:1, 20:1, 27:1, 40:1

Speed Reducer
Series 1000H

Bloom Hydraulic Speed Reducers With Hydraulic Safety Brake Model Selection from Performance Data

10:1 RATIO (optional)

20:1 RATIO (standard)

27:1 RATIO (optional)

40:1 RATIO (optional)
1000H Series Model Selection

3.0T MOTOR
10H-3.0T-SR

6.2T MOTOR
10H-6.2T-SR

9.6T MOTOR
10H-9.6T-SR

INPUT SHAFT MODEL
10-IS-SR
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.*

*Winches require ridged mounting plate. See owner’s manual for information about proper mounting plate thickness or call Bloom Sales Engineer at factory.*