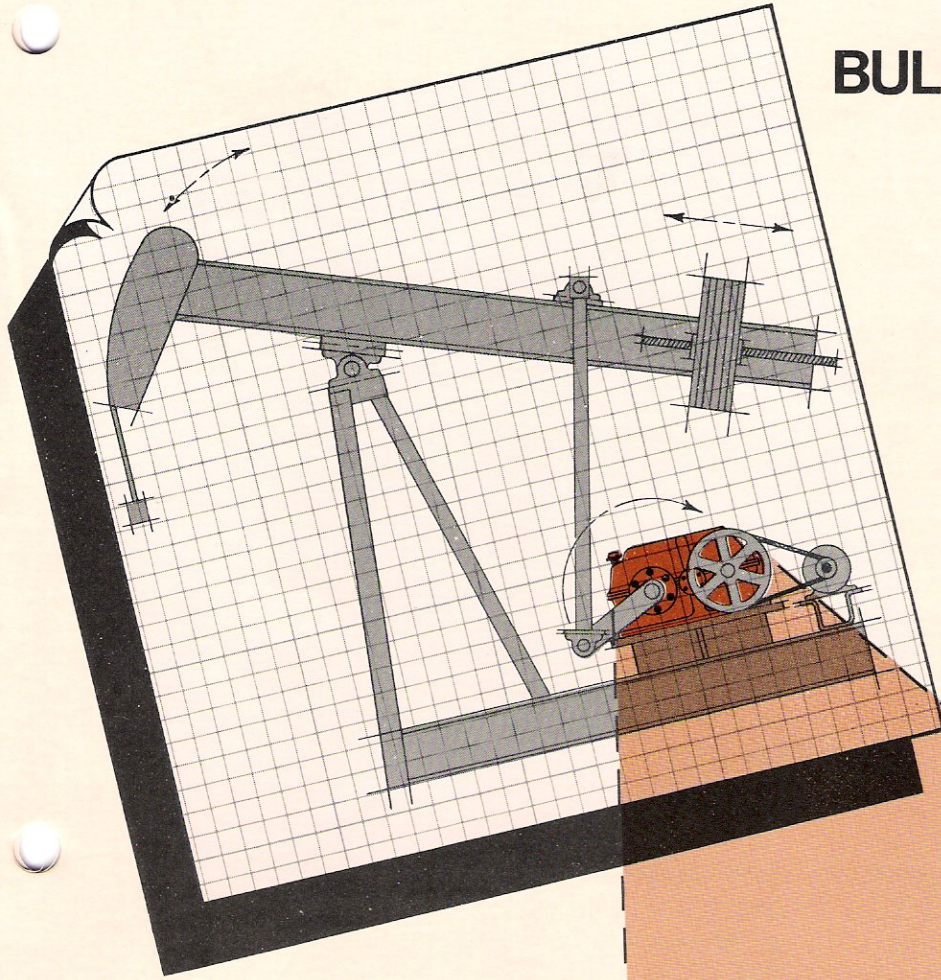


# Terrell

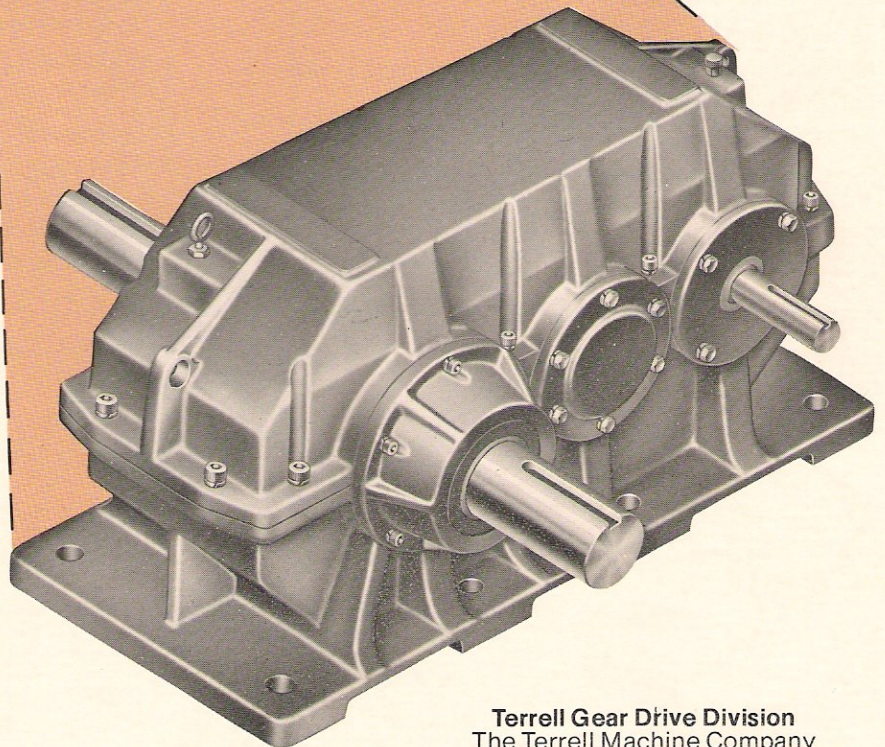
## BULLETIN GL, GP, GS, GT Pump Jack Gear Drives



**Rugged Dependability**

**Minimum Maintenance**

**Terrell...a design standard**



**Terrell Gear Drive Division**  
The Terrell Machine Company  
3000 South Boulevard  
P.O. Box 240868, Charlotte, N.C. 28224  
Telephone 704/525-7240

## Terrell Products

The Terrell name on a gear drive assures the user that the unit is engineered and manufactured to industry recognized standards.

Years of engineering and successful field experience are the basis for Terrell design practice for gear drives, which includes computer programs for gear strength and durability, torsional and bending shaft stresses and bearing life.

Rugged dependability is synonymous with our gear drives. The Terrell name is on thousands of gear units operating successfully on applications ranging from golf cars to mine tractors, from power mowers to power shovels and from agricultural machinery to construction equipment.

## Pump Jack Gear Drives

Terrell has developed an extremely rugged family of gear drive products for use on pump jacks. These conservatively rated gear drives are designed with minimum maintenance and rugged dependability in mind. When maintenance is necessary, the machine's down time is minimized by Terrell design features such as split housings.

The major features of our pump jack drives are:

- Class 30 Gray Iron Castings.
- AISI 8620 Forgings or barstock for gears, carburized to Rockwell C-58 minimum.
- AISI 8620 Shaft Material, carburized to Rockwell C-58 minimum, or AISI C-1144 stress relieved.
- Buna N Dual Lip Seals.
- Tapered Roller Bearings.
- Helical Gears, crowned and shaved for quiet operation and high performance.
- AGMA class 7 precision gears.
- Individual computerized analysis of each design.

## Thermal Capacity

The thermal capacity is defined as the power a gear drive will transmit continuously without overheating. Terrell gear drives are used in such a wide variety of operating conditions that only mechanical ratings are shown. Under conditions such as restricted air circulation, high speeds and high loads, the thermal capacity may be less than the mechanical rating. Checking the thermal capacity is extremely important during the first few hours of operation. If heat is being generated faster than it can be dissipated, severe damage may result and provisions for additional cooling should be provided. This may be accomplished by additional air circulation around the unit or by a recirculating oil system. If additional cooling is not possible a larger capacity unit should be used. The heat dissipation problem is virtually non-existent in the pump jack application because of the low speeds required.

## Lubrication and Velocity Limits

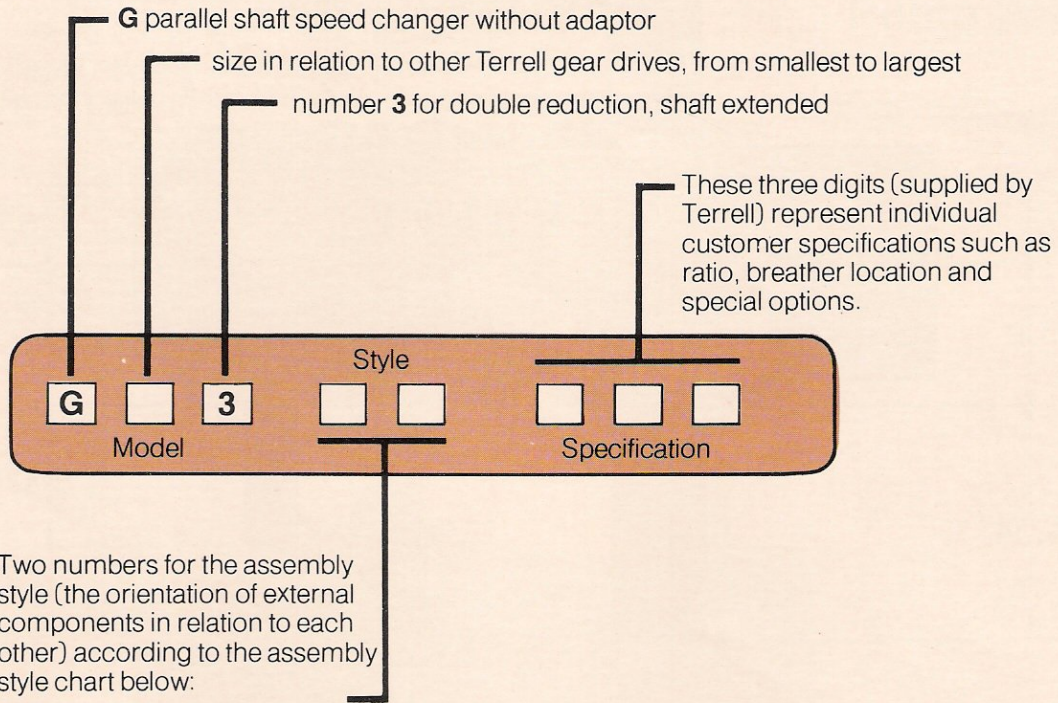
Terrell gear drives are shipped dry and are so identified. Before use each unit should be filled with a lubricant to the proper oil level. All Terrell pump jack gear drives are designed for splash lubrication.

## Servicing Information

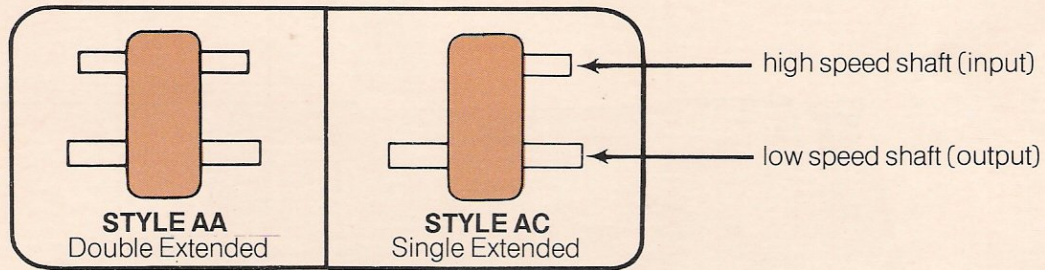
Each Terrell gear drive is thoroughly checked at the factory prior to shipment. Before operating the unit, check the oil level and fill the unit to the level shown on the dip stick or oil level plug.

After the first month of operation, drain and flush the unit and refill with fresh oil. Thereafter check the static oil level periodically and add oil if needed. Oil changes are suggested every six months or 2000 hours, whichever occurs first.

If a unit is to be placed into storage, spray all internal parts with rust preventing lubricant and coat unpainted external parts with a rust preventing compound and store in a dry atmosphere. If a gear drive is to be inoperative over a prolonged period of time, run the unit once a month to circulate the oil and prevent rust.



**Assembly Style Chart**

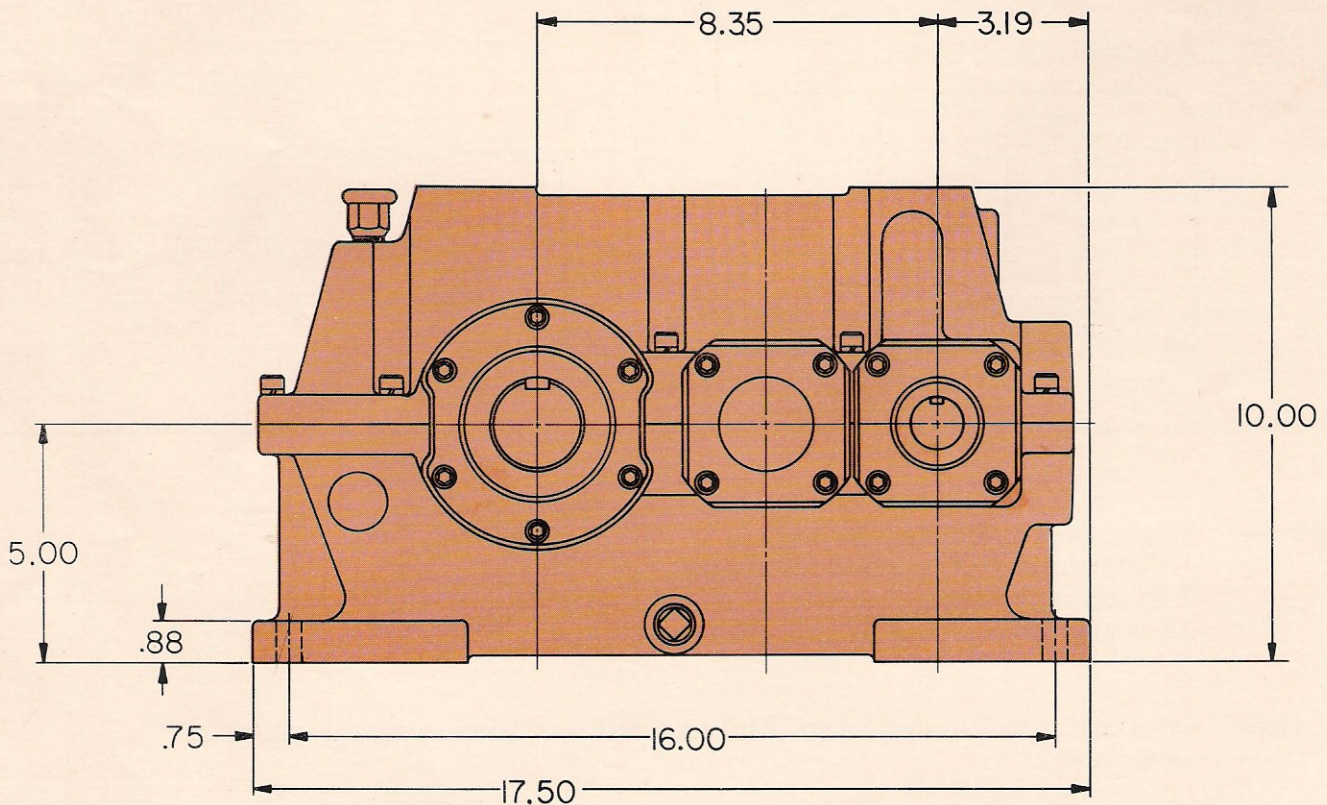
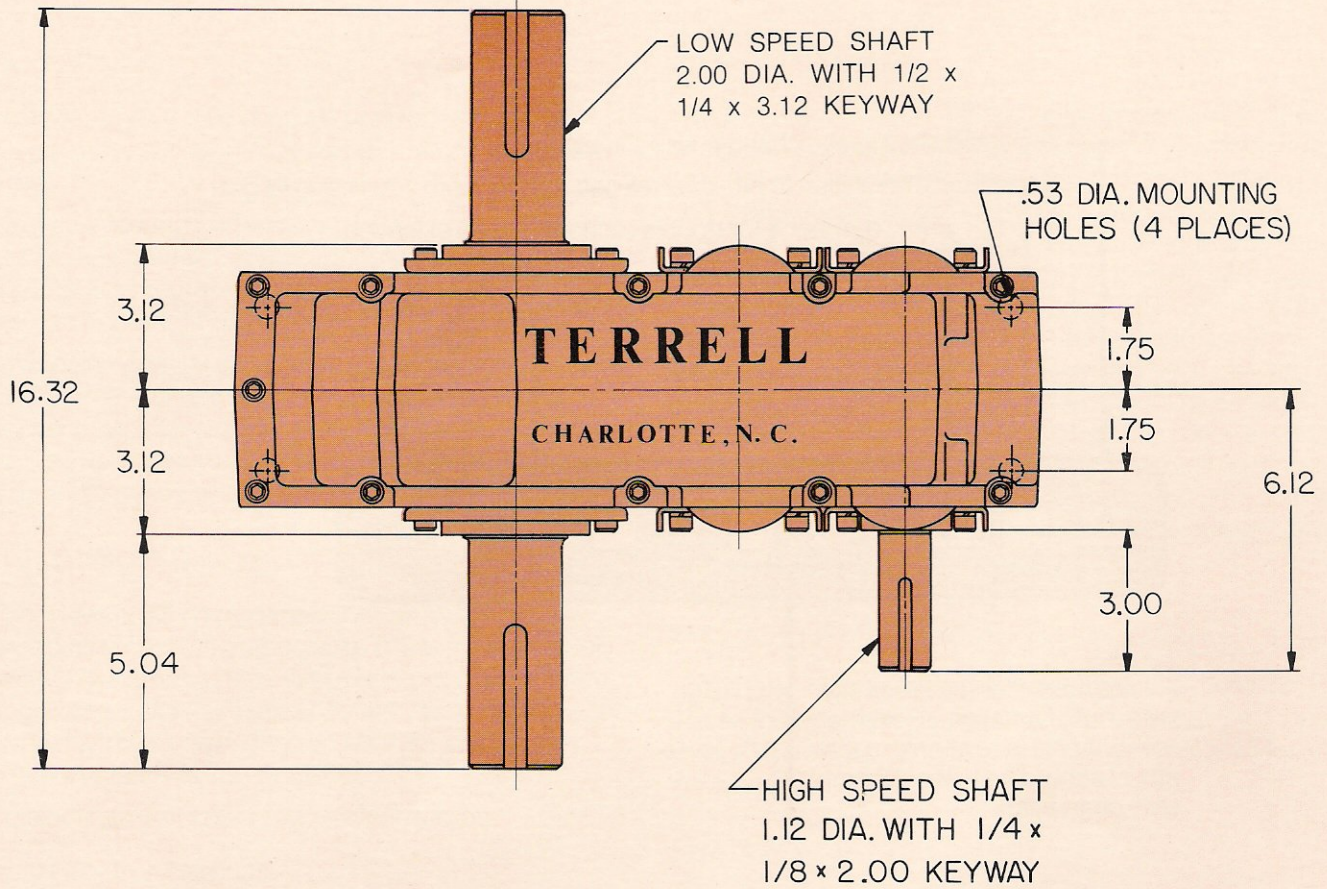


- How to Order:** Specifications needed for order entry:
1. Complete description of input specification.
  2. Specify size and ratio.
  3. Complete description of output specification.

**Note:** Other options such as shaft lengths may be available upon special order. Consult factory for availability.

**Important:** For splash lubrication purposes, all gear drive models in this catalog should be installed with shafts in the horizontal plane.

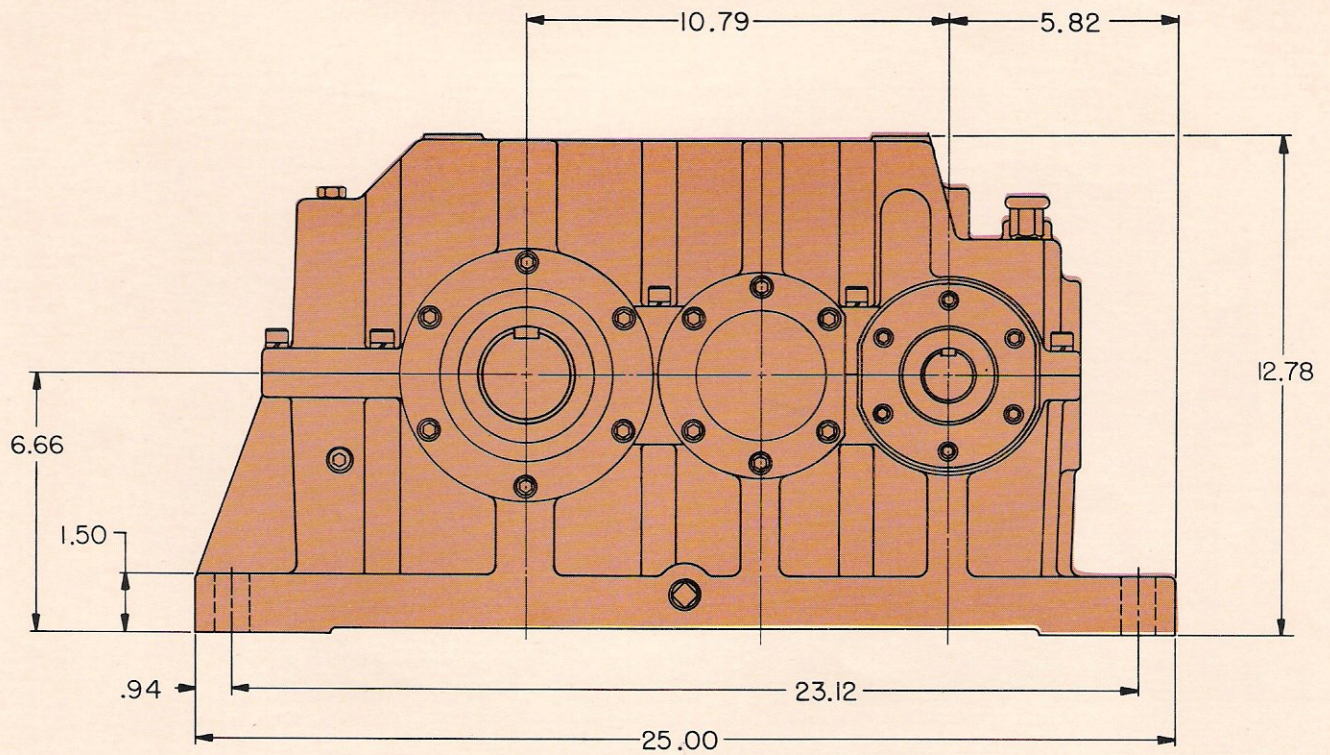
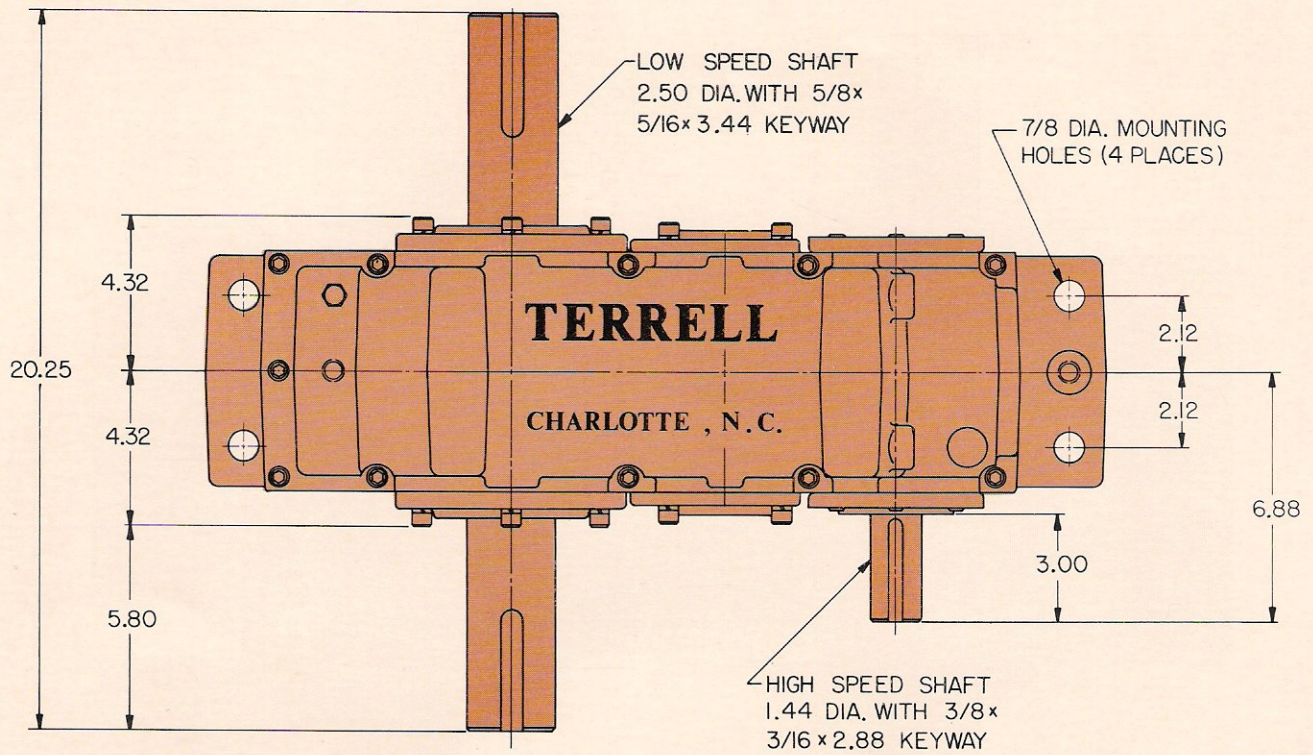
**Size 6.4 and Size 10—Model GL3  
(6,400 and 10,000 In. Lbs. Rating)**



**Ratio: 39.68 to 1**

**Shipping Weight (Shipped Dry) = 105 Lbs.**

**Size 16—Model GP3  
(16,000 In. Lb. Rating)**



**Ratio: 36.7 to 1**  
**Shipping Weight (Shipped Dry) = 255 Lbs.**

# NEW

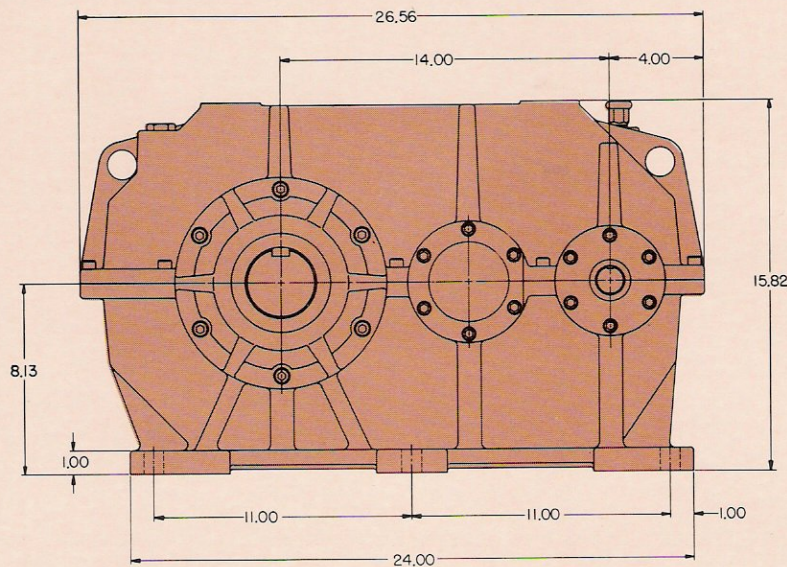
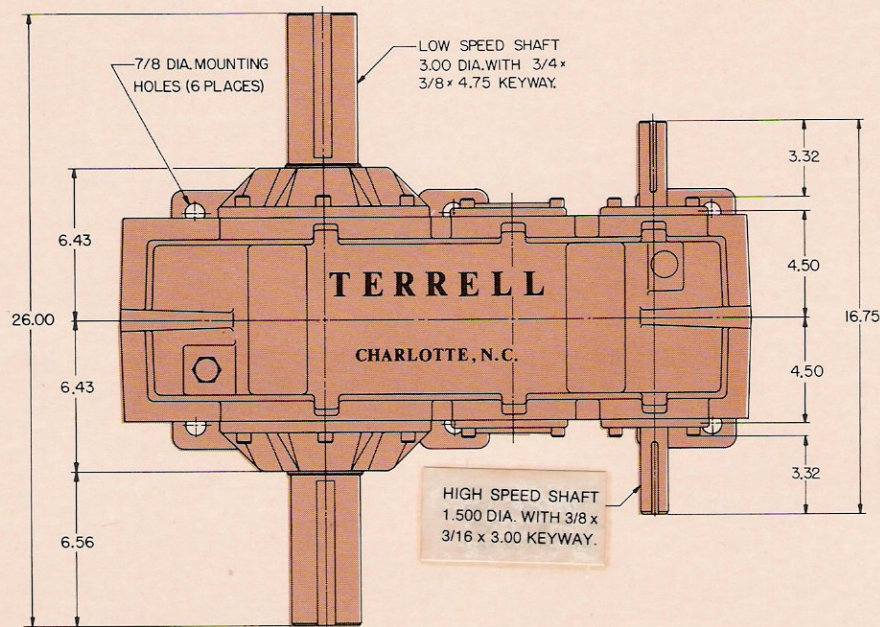
# Terrell

## Size 25 - (Model GR3) Pump Jack Drive

Because of customer demand, Terrell Gear Drives has developed a size 25 oil well pumping reducer. This new addition expands the Terrell pump jack drive line from size 6.4 through size 57.

With over three thousand pumping unit drives sold, the new size 25 offers the same field-tested design integrity as its brothers. After all, why tamper with success?

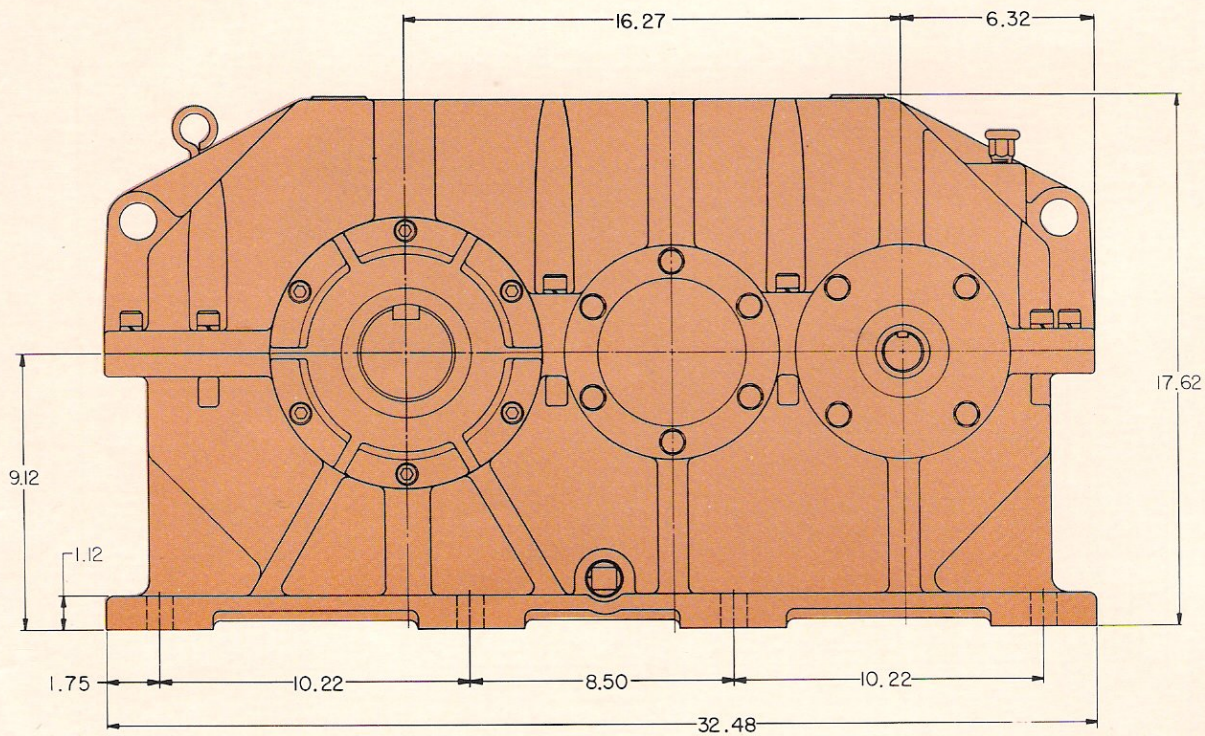
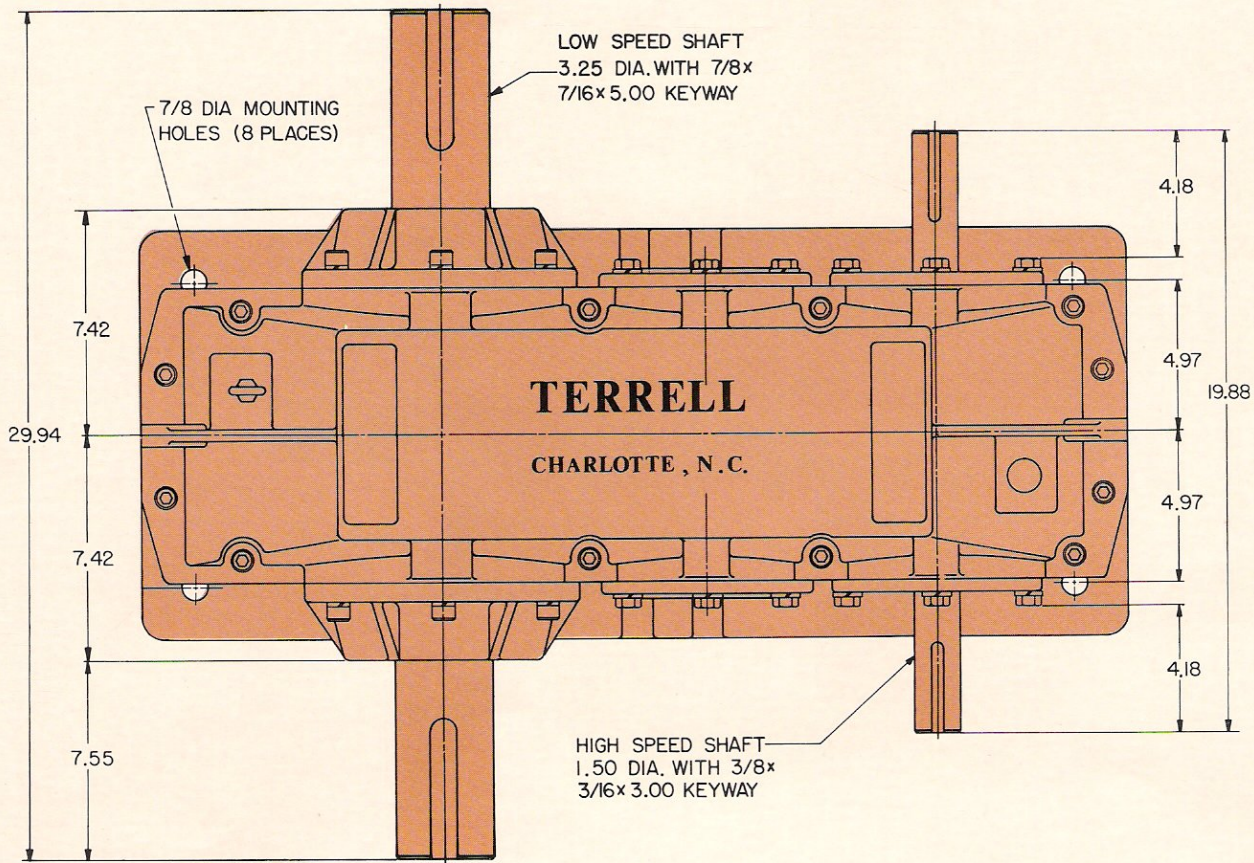
To discuss this unit with a factory sales engineer call toll free **800/438-1371**.



Ratio: 34.3 to 1  
Shipping Weight (Shipped Dry) = 405 Lbs.

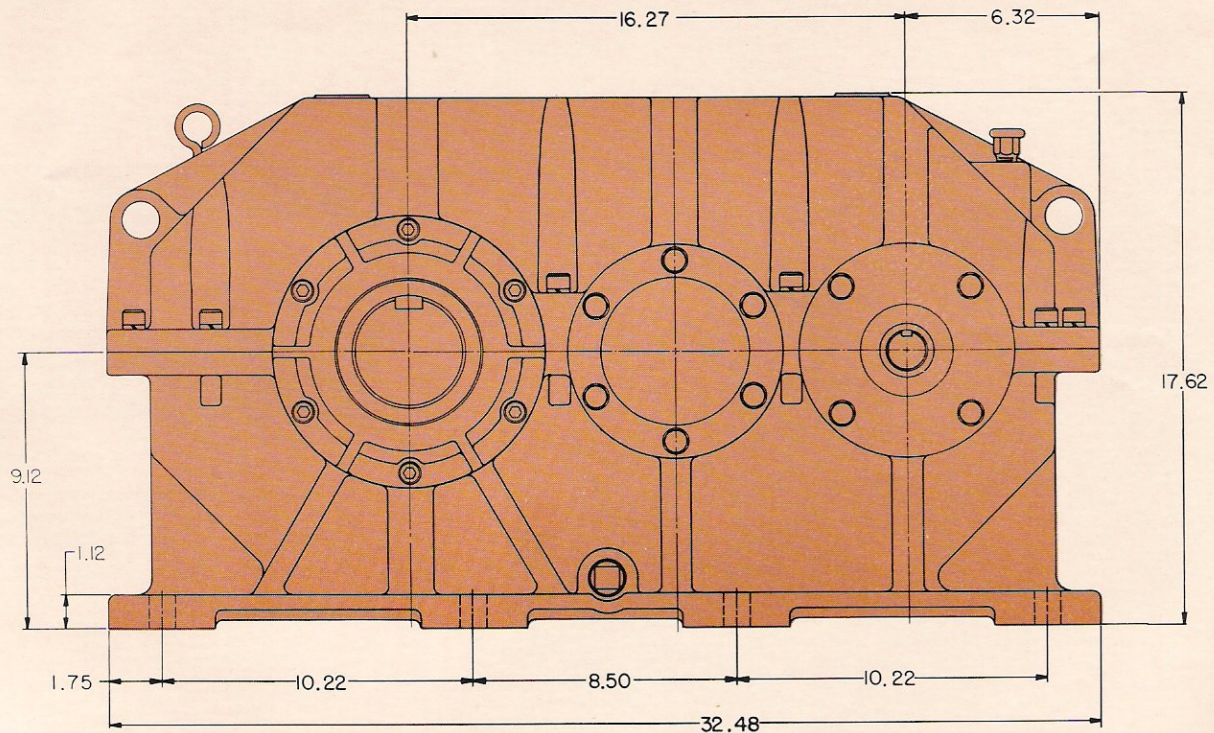
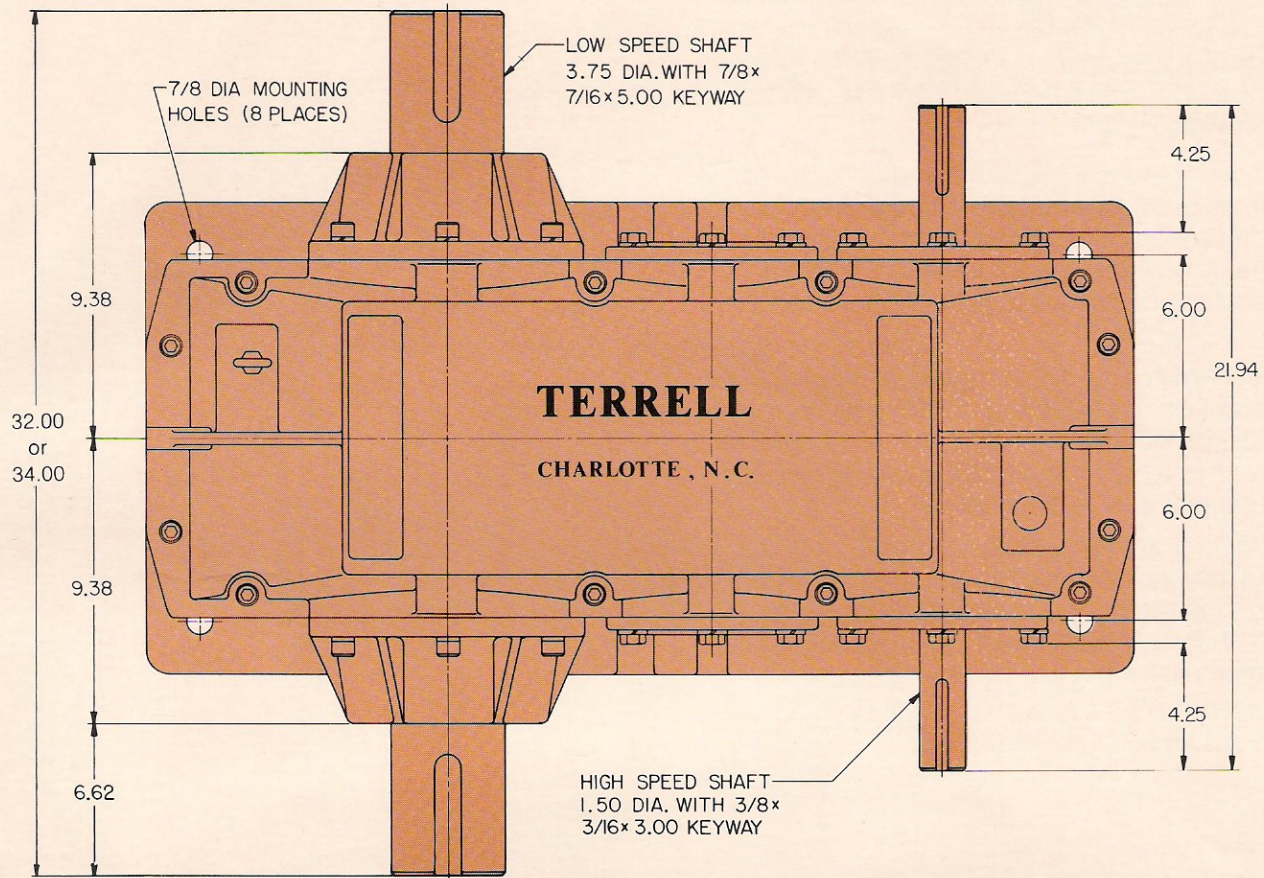
Terrell Gear Drives  
3000 South Boulevard  
P.O. Box 240868, Charlotte, N.C. 28224  
Telephone 800/438-1371

**Size 40—Model GS3  
(40,000 In. Lb. Rating)**



**Ratio: 30.0 to 1**  
**Approximate Shipping Weight (Shipped Dry) = 750 Lbs.**

**Size 57—Model GT3  
(57,000 In. Lb. Rating)**



**Ratio: 29.5 to 1**

**Approximate Shipping Weight (Shipped Dry) = 900 Lbs.**



## **Warranty & Limitation of Responsibility**

Terrell gear boxes are guaranteed to be free of defects in material and workmanship for a period of one year, provided the unit has been properly installed, maintained and operated in accordance with the recommendations; has not been modified in any way or used in an application that exceeds rated capacity shown in our literature.

Terrell's responsibility under this warranty shall be limited to the repair or replacement, at its option, of any defective work or material provided the claim for warranty adjustment is made to Terrell in writing. Upon authorization for return, defective material is to be shipped to Terrell, F.O.B. Charlotte, N.C.

The exclusive remedy from Terrell shall be for the repair or replacement of defective parts as provided herein. No other remedy (including without limitation incidental or consequential damages such as those for lost profits, lost sales or injury to property or person) shall be available.

"NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS GIVEN OTHER THAN THAT SET FORTH HEREIN WITH REGARD TO REPAIR OR REPLACEMENT OF DEFECTIVE PARTS, AND TERRELL ASSUMES NO RESPONSIBILITY OTHER THAN AS SET FORTH HEREIN."

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