



**Turner  
Uni-Drive**

Manufacturers of Industrial Transmissions and Gearboxes

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## **Explanation of Gear Case Data Sheet**

Turner Uni-Drive Company manufactures thousands of variations of transmissions, dependent on our customers' requirements for torque capacity, number of speeds, and ratio requirements. Because of this flexibility, and in order to provide our customers with adequate documentation regarding the makeup of each particular transmission, we have prepared a Gear Case Data Sheet (GCDS).

The GCDS graphically represents the construction of each transmission providing part numbers, parts description, transmission characteristics and other critical information.

If you have any questions regarding this GCDS, please contact Turner Uni-Drive Company for assistance. We will readily assist you in interpreting the GCDS pertinent to your unit and help you to identify the individual components specific to your unit.

Following is a brief description of the graphical representation of your Turner Uni-Drive Company transmission.

- 1) Horizontal rows represent the shafts in the transmission. Rows with information indicate the number of shafts in the gearbox. Transmissions are manufactured with 2, 3, and 4 or more shafts dependent on the customers' requirements. Each row is a schematic of the internal assembly of the transmission.
- 2) The numbers in parentheses indicate the number of external teeth on a gear in that position.
- 3) The numbers immediately below those in the parentheses refer to a line item in the parts list in the lower right hand quarter of the page.
- 4) The decimal numbers represent the length in inches of a spacer in that position.
- 5) The diagonal lines on the input and/or output line represents the presence of a shifter fork over the gears indicated. This line also includes a number referring to a particular line item in the parts list.
- 6) Additional information may also be included if required to describe any special characteristics of the transmission. Typical notations include information between the rows if a reversing shaft is present, spline information if the shaft has a spline other than standard, and characteristics of pneumatic or electric shifting devices, etc.