The TREMEC TR-4050 5-speed manual transmission is designed for longitudinal engine vehicles and is particularly suited for light and medium duty trucks. It includes a single overdrive and a light-weight aluminum housing.

All forward gears are fully synchronized and use a carbon friction material for improved shift quality. Tapered roller bearings are used to minimize noise, vibration and harshness (NVH) and improve efficiency.

A standard six-bolt Power Take-Off (PTO) located on the right side of the transmission offers users the ability to run a variety of hydraulic accessories.

TR-4050 Features at a Glance:
• High-contact constant mesh helical gears for maximum strength
• Die-cast aluminum alloy housing saves weight while offering considerable rigidity
• Standard right-hand six-bolt PTO offers ability to run hydraulic pumps
• Multiple shifter locations provide design and installation flexibility
• The multiple rail internal shifter provides excellent shift feel and performance
• Tapered bearing on input, main and counter shafts provide excellent internal stability
• Needle bearings under gears reduce friction and noise output
• All forward gears and reverse gear synchronized
• Advanced synchronizer technology promotes smoother shifting and reduced shift effort
• Counter shaft mounted 5th gear synchronizer improves NVH in overdrive

Shift Pattern

1 3 5
   N
2 4 R
**TREMEC TR-4050 Transmission Specifications**

**Type:** Rear wheel drive, five-speed manual overdrive transmission

**Maximum gross vehicle weight:** 10,000 kg (22,000 lb) *For reference only. Not applicable to a specific application

**Case:** Die-cast aluminum alloy; end load design

**Center distance:** 109 mm

**Overall length:** 737 mm

**Clutch housing:** Separate

**Synchronizer type:** Double and single cone

**Lubricant type:** T-M99 Synthetic ATF

**Lubricant capacity (approximate):** 3.5 l (7.34 pt)

**Transmission weight:** 74 kg (164 lb)

**Power take off:** Six bolt right side

**Available Gear Ratios**

*Alternative ratios available upon request; may result in different maximum input torque*

<table>
<thead>
<tr>
<th>Gear</th>
<th>A</th>
<th>B</th>
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<tbody>
<tr>
<td>1</td>
<td>6.16</td>
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<tr>
<td>R</td>
<td>6.03</td>
<td>5.69</td>
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</table>

**Input Torque**

- 570 Nm / 425 lb-ft
- 620 Nm / 457 lb-ft