Chelsea® 447 Series
Two Gear PTO for Mechanical Transmissions

Overview:
Chelsea’s 447 Series is another problem solving PTO. It features a one-piece input gear that has a space between the two sets of gear teeth. This helps eliminate interference problems within the PTO aperture on transmissions that might have adjacent gear interference. The 447 Series features the same options as the popular 442 Series plus a few more with special options to simplify the installation of PTOs on Mitsubishi FUSO and Nissan trucks. The 447 Series is available with the adapter or unique installation kit that may be required for these vehicles. The 447 has strong tapered bearings instead of needle bearings for greater load bearing capability. Twenty-four output options including Chelsea’s popular 360° rotatable flange, four internal speed ratios and eleven shift options plus a self-lube option for transmissions that have problems getting lubrication to the PTO make this one versatile PTO. Take advantage of over 70 years of Chelsea PTO technology to increase performance and lower costs.

- Aerial
- Snow & Ice Removal
- Dump Trucks & Trailers
- Ease of Installation – Reduced installation time.
- Input Gear – One piece.
- Output Options – Pump and Driveshaft options.
- Shift Options – Eleven shift options.
- Speeds – Four speed ratios.
- Innovative – Eliminates interference problems inside transmission/PTO opening.
- Confidence – Two Year Warranty.
- Ease of Installation – Reduced installation time.
- Input Gear – One piece.
- Shift Options – Eleven shift options.
- Speeds – Four speed ratios.

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### 447 SERIES POWER TAKE-OFF SPECIFICATIONS AND TECHNICAL DATA

#### Basic Model

<table>
<thead>
<tr>
<th>Model</th>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>447</td>
<td>X</td>
<td>Standard Mount w/ Metric Stud Kit</td>
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<tr>
<td>447</td>
<td>K</td>
<td>Standard Mount w/o Stud Kit</td>
</tr>
<tr>
<td>447</td>
<td>L</td>
<td>Deep Mount w/o Stud Kit</td>
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<tr>
<td>447</td>
<td>X</td>
<td>Standard Mount</td>
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<tr>
<td>447</td>
<td>Z</td>
<td>Deep Mount</td>
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#### Gear Ratio

<table>
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<td>Q</td>
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<tr>
<td>S</td>
<td>24/22</td>
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<tr>
<td>U</td>
<td>26/20</td>
</tr>
<tr>
<td>W</td>
<td>26/17</td>
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#### Input Option

- Eaton, Mack, Tremac, Allison, Chelsea, Mercedes, Rockwell Transmissions
- NOTE: For more details, see Application Catalog (Transmission Model Number required)

#### Lube Option

- X = No Pressure Lube
- P = Pressure Lube

#### Shift Option

- A = Air Shift
- C = Special Shift Control & Bracket Kit
- H = No Shift Kit
- M = Constant Mesh
- P = 12V Elec/Air Shift
- V = Air Shift w/o Installation Kit
- 21S = Air Shift w/ PTO/Dump Pump Combo Valve w/ Kick Out w/ Neutral Spring Return
- 21T = Air Shift w/ PTO/Dump Pump Combo Valve w/o Kick Out w/ Neutral Spring Return
- 21U = Air Shift w/ PTO/Dump Pump Combo Valve w/ Kick Out w/o Neutral Spring Return
- W = Wire Shift
- X = Wire Shift w/o Cable & Knob

#### Output Option

- XD = Rd Standard Shaft (1-1/4" - 5/16" Key)
- XX = 1-1/4" Tapered Output Shaft w/ Keyway

#### Pump Mount

- XE = SAE A 2 or 4-Bolt Flange, SAE A Shaft (5/8" - 9T)
- AK = SAE B 2-Bolt Flange, SAE B Shaft (7/8" - 13T)
- XK = SAE B 2 or 4-Bolt Flange, SAE B Shaft (7/8" - 13T)
- XQ = SAE B 2 or 4-Bolt Flange, SAE B Shaft (7/8" - 13T)
- AZ = SAE B 2 or 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
- GA = Greaseable SAE B 2-Bolt Rotatable Flange, SAE B Shaft (7/8" - 13T)
- GB = Greaseable SAE B 4-Bolt Rotatable Flange, SAE B Shaft (7/8" - 13T)
- GF = Greaseable SAE B 2 or 4-Bolt Flange, SAE BB Shaft (1" - 15T)
- GR = Greaseable Chelsea Special (Cloverleaf), SAE B Shaft (7/8" - 13T)
- RC = Rotatable SAE A 2-Bolt Flange, SAE A Shaft (5/8" - 9T)
- RD = Rotatable SAE A 2-Bolt Flange, SAE B Shaft (7/8" - 13T)
- RA = Rotatable SAE B 2-Bolt Flange, SAE B Shaft (7/8" - 13T)
- RB = Rotatable SAE B 4-Bolt Flange, SAE B Shaft (7/8" - 13T)
- RF = Rotatable SAE B 2-Bolt Flange, SAE BB Shaft (1" - 15T)
- RK = Rotatable SAE B 2 or 4-Bolt Flange, SAE B Shaft (7/8" - 13T)
- RE = Rotatable SAE B 4-Bolt Flange, SAE BB Shaft (1" - 15T)
- RY = Rotatable ISO 7653 Pump Mount DIN 5462 Shaft
- XR = Chelsea Special (Cloverleaf), SAE B Shaft (7/8" - 13T)
- XY = ISO 7653 Pump Mount DIN 5462 Shaft

#### Assembly Arrangement

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<th>Ass'y</th>
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#### Specifications Chart

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<tr>
<th></th>
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<th>447&quot;S</th>
<th>447&quot;U</th>
<th>447&quot;W</th>
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<tr>
<td>HP Rating for Duty</td>
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