

## Chelsea PTO Applications Catalog

Pro Gear Chelsea PTO Applications Catalog to assist with technical information for your Chelsea Power Take Off unit.

If you need any assistance identifying the correct Power Take Off unit for your truck and equipment, contact your Chelsea replacement part specialists at Pro Gear and Transmission.

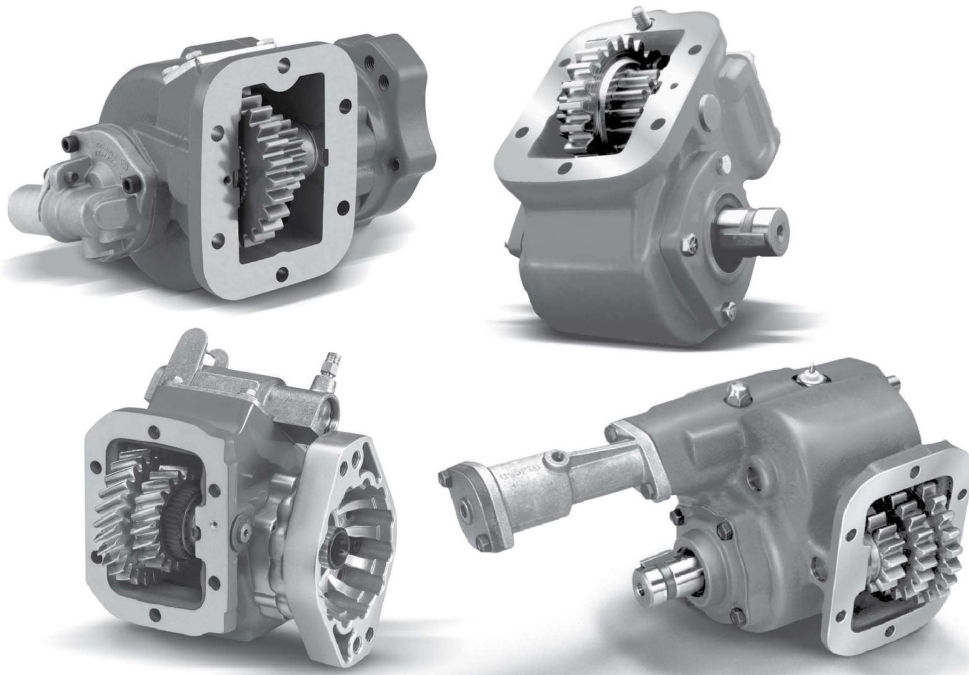
Pro Gear stocks every part for your Parker Chelsea PTO including: PTO housings, mounts, drive-shafts, gears, bearings, gaskets, cable shift cover assembly, post and plate assembly, brackets, stud kits, seal kits, lever control assembly, air shift cover assembly, direct mount pump conversion kits, stud kits including English and metric references, CAT D&H parts and much more.

Pro Gear Transmission has same day shipping and 1000's of products in stock and ready to ship internationally for your next project.

For parts or service contact the Chelsea specialists at Pro Gear & Transmission, Inc.

1 (877) 776-4600  
(407) 872-1901  
parts@eprogear.com

# ISUZU



ENGINEERING YOUR SUCCESS.

RebuiltChelseaPTO.com by Pro Gear and Transmission • 906 W. Gore St. Orlando, FL 32805 • 1 (877) 776-4600 / (407) 872-1901



### **WARNING — User Responsibility**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

### **Offer of Sale**

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the "Offer of Sale".

© Copyright 2018, Parker Hannifin Corporation, All Rights Reserved

## ISUZU TRANSMISSION INDEX

Transmission Make and Model	PTO Appl. Number	Number Forward Speeds	Teeth in PTO Driver
450-43LE (Case Serial # 8D3394 and Later)	IZU-12	4	L58
A450-43L	IZU-12	5	L58
A450-43LE	IZU-12	4	L58
A465 (Low cab forward)	AIS-2	6	L69

Isuzu



**IMPORTANT:** See Safety Information  
in Section 1 of the Chelsea Applications  
catalog HY25-3000/US.

Transmission PTO Driver & Apertures (Viewed from Rear of Transmission)

L-Left Side R-Right Side B-Bottom Side T-Top Side CS-Countershaft

*For transmissions not listed, contact your authorized Chelsea Distributor.*

450-43LE (Case Serial # 8D3394 and Later)  
A450-43L

**LEFT SIDE ONLY****TRANSMISSION GEAR DATA:**

L.S. 06-BOLT Opening Gear FORWARD of Centerline  
58 Teeth - SPUR

**PITCH LINE TO APERTURE FACE:**

1.0880" (27.6352MM)

**CAUTION: Application Approval Required for PTO Output Shaft Speeds Above 2500 RPM**

PTO Model	Torq l / C †	Dir Rot	Engine % Fwd Rev	Filler Block	Adapter Assy	Stud Kit	PTO Model	Torq l / C †	Dir Rot	Engine % Fwd Rev	Filler Block	Adapter Assy	Stud Kit
-----------	-----------------	------------	---------------------	--------------	-----------------	----------	-----------	-----------------	------------	---------------------	--------------	-----------------	----------

**ONE SPEED - TWO GEAR POWERSHIFT (AIR OR HYDRAULIC)**

272AAKUP-*5 (1)	199 C	Eng	58			Furnished
272ABKUP-*5 (2)	162 C	Eng	71			Furnished
272ACKUP-*5 (3)	134 C	Eng	86			Furnished

† I = Intermittent Torque Only - De-Rate Torque Rating 30% for Continuous Duty.

C = Continuous or Intermittent Torque - No need to De-Rate Torque Rating.

**IMPORTANT:** Refer to the back of this transmission section and read all notes associated with this application page.  
Some notes may affect the proper PTO selection.

(1) Input Gear Part No. 5-P-1515-1X  
(2) Input Gear Part No. 5-P-1515-2X  
(3) Input Gear Part No. 5-P-1515-3X

A465 (Isuzu Number for MY600)  
MO36A4 (Mitsubishi/Fuso Number for MY600)  
MY600

**LEFT SIDE ONLY****TRANSMISSION GEAR DATA:**

L.S. 06-BOLT Opening Gear FORWARD of Centerline  
69 Teeth - SPUR

**PITCH LINE TO APERTURE FACE:**

1.0880" (27.6352MM)

**CAUTION: Application Approval Required for PTO Output Shaft Speeds Above 2500 RPM**

PTO Model	Torq	Dir Rot	Engine %		Filler Block	Adapter Assy	Stud Kit	PTO Model	Torq	Dir Rot	Engine %		Filler Block	Adapter Assy	Stud Kit
	I / C †		Fwd	Rev					I / C †		Fwd	Rev			

**ONE SPEED - TWO GEAR POWERSHIFT (AIR OR HYDRAULIC)**

272AAKUP-*5	158 C	Eng	69				Furnished
272ABKUP-*5	129 C	Eng	84				Furnished
272ACKUP-*5	106 C	Eng	102				Furnished
272ADKUP-*5	89 C	Eng	122				Furnished

† I = Intermittent Torque Only - De-Rate Torque Rating 30% for Continuous Duty.

C = Continuous or Intermittent Torque - No need to De-Rate Torque Rating.

**IMPORTANT:** Refer to the back of this transmission section and read all notes associated with this application page. Some notes may affect the proper PTO selection.

## Isuzu Notes

### IZU-12

1. The torque ratings shown for the 272 Series are based on the maximum allowable torque capacity of the PTO drive gear in the transmission.
  2. The PTOs shown on this application page will fit Isuzu NQR model trucks with serial number X7901741 and later only.
  3. The PTOs shown on this application page will fit Isuzu NPR model trucks with wheel bases of 109" or 132" and a serial number of X7006763 and later.
  4. The PTOs shown on this application page will also fit the same NPR model trucks with wheel bases of 150" and 176" after August of 1998 and serial number of X7006763 and later.
  5. The serial number is the last eight digits found on the VIN plate which is located in the cab behind the driver.
- 

### AIS-2

1. The A465 (MY600) transmissions in Isuzu trucks started TCC Lock-up in PTO Mode in MY2010. The transmission build start dates were June 2010. The vehicle code for MY2010 is "VN60."
2. The A460 (MY400) and A465 (MY600) share the same transmission housing and both have a "shelf" in the aperture that interferes with the ratio gear of the 272, starting with the K ratio. The older 270 series fit with higher ratios because the input ratio gear was not as wide.