

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.

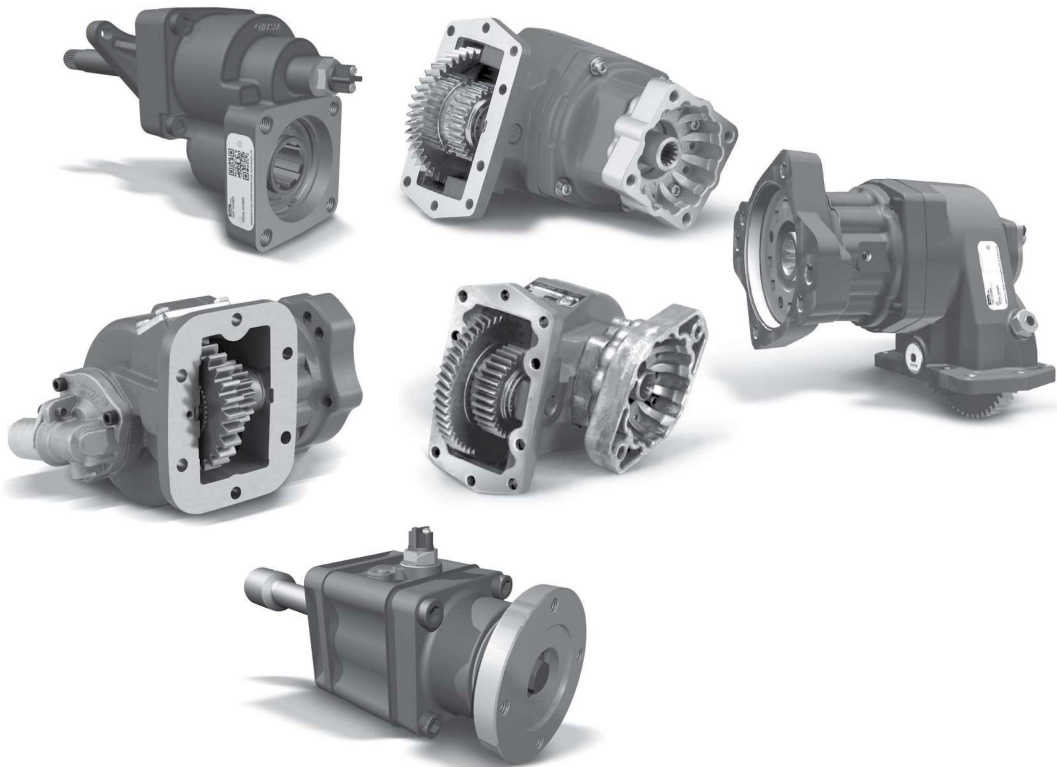
Pro Gear stocks every part for your Parker Chelsea PTO including: PTO housings, mounts, drive-shafts, gears, bearings, gaskets, cable shift cover assembly, post and plate assembly, brackets, stud kits, seal kits, lever control assembly, air shift cover assembly, direct mount pump conversion kits, stud 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

VOLVO



ENGINEERING YOUR SUCCESS.

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**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.

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VOLVO TRANSMISSION INDEX

Transmission Make and Model	PTO Appl. Number	Number Forward Speeds	Teeth in PTO Driver
AT2412 (I-Shift) High Split Ratio	VLV-10H	12	CS
AT2412 (I-Shift) Low Ratio	VLV-10	12	CS
AT2512 (I-Shift) High Split Ratio	VLV-10H	12	CS
AT2512 (I-Shift) Low Ratio	VLV-10	12	CS
AT2512C (I-Shift) High Split Ratio	VLV-10H	12	CS
AT2512C (I-Shift) Low Ratio	VLV-10	12	CS
AT2612 (I-Shift) High Split Ratio	VLV-10H	12	CS
AT2612 (I-Shift) Low Ratio	VLV-10	12	CS
AT2612D (I-Shift) High Split Ratio	VLV-10H	12	CS
AT2612D (I-Shift) Low Ratio	VLV-10	12	CS
AT2812 (I-Shift) High Split Ratio	VLV-10H	12	CS
AT2812 (I-Shift) Low Ratio	VLV-10	12	CS
AT2812C (I-Shift) High Split Ratio	VLV-10H	12	CS
AT2812C (I-Shift) Low Ratio	VLV-10	12	CS
ATO1109TO	VLV-15	9	CS
ATO2512 (I-Shift) High Split Range	VLV-13H	12	CS
ATO2512 (I-Shift) Low Ratio	VLV-13	12	CS
ATO2512C (I-Shift) High Split Range	VLV-13H	12	CS
ATO2512C (I-Shift) Low Ratio	VLV-13	12	CS
ATO2612 (I-Shift) High Split Range	VLV-13H	12	CS
ATO2612 (I-Shift) Low Ratio	VLV-13	12	CS
ATO2612C (I-Shift) High Split Range	VLV-13H	12	CS
ATO2612C (I-Shift) Low Ratio	VLV-13	12	CS
ATO2612D (I-Shift) High Split Range	VLV-13H	12	CS
ATO2612D (I-Shift) Low Ratio	VLV-13	12	CS
ATO2613F (I-Shift) High Split Range	VLV-13H	12	CS
ATO2613F (I-Shift) Low Ratio	VLV-13	12	CS
ATO3112 (I-Shift) High Split Range	VLV-13H	12	CS
ATO3112 (I-Shift) Low Ratio	VLV-13	12	CS
ATO3112C (I-Shift) High Split Range	VLV-13H	12	CS
ATO3112C (I-Shift) Low Ratio	VLV-13	12	CS
ATO3112D (I-Shift) High Split Range	VLV-13H	12	CS
ATO3112D (I-Shift) Low Ratio	VLV-13	12	CS
V2412AT (I-Shift) High Split Ratio	VLV-10H	12	CS
V2412AT (I-Shift) Low Ratio	VLV-10	12	CS
V2512AT (I-Shift) High Split Ratio	VLV-10H	12	CS

Volvo



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.

VOLVO TRANSMISSION INDEX

Transmission Make and Model	PTO Appl. Number	Number Forward Speeds	Teeth in PTO Driver
V2512AT (I-Shift) Low Ratio	VLV-10	12	CS
V2812AT (I-Shift) High Split Ratio	VLV-10H	12	CS
V2812AT (I-Shift) Low Ratio	VLV-10	12	CS
VO2512AT (I-Shift) High Split Range	VLV-13H	12	CS
VO2512AT (I-Shift) Low Ratio	VLV-13	12	CS
VO3112AT (I-Shift) High Split Range	VLV-13H	12	CS
VO3112AT (I-Shift) Low Ratio	VLV-13	12	CS

Volvo



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.

AT2412 (I-Shift) Low Ratio
 AT2512 (I-Shift) Low Ratio
 AT2512C (I-Shift) Low Ratio
 AT2612 (I-Shift) Low Ratio
 AT2612D (I-Shift) Low Ratio
 AT2812 (I-Shift) Low Ratio
 AT2812C (I-Shift) Low Ratio
 V2412AT (I-Shift) Low Ratio

V2512AT (I-Shift) Low Ratio
 V2812AT (I-Shift) Low Ratio

REAR SIDE ONLY**TRANSMISSION GEAR DATA:**

REAR 04-BOLT Opening

PITCH LINE TO APERTURE FACE:

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

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

REAR MOUNT - MECHANICAL SHIFT (12 SPEED TRANSMISSIONS)

511XNASW-V-*	590 C	Opp	70				Furnished
523XTASX-V-*	258 C	Eng	97				Furnished
523XVASX-V-*	258 C	Eng	115				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.

AT2412 (I-Shift) High Split Ratio
 AT2512 (I-Shift) High Split Ratio
 AT2512C (I-Shift) High Split Ratio
 AT2612 (I-Shift) High Split Ratio
 AT2612D (I-Shift) High Split Ratio
 AT2812 (I-Shift) High Split Ratio
 AT2812C (I-Shift) High Split Ratio
 V2412AT (I-Shift) High Split Ratio

V2512AT (I-Shift) High Split Ratio
 V2812AT (I-Shift) High Split Ratio

REAR SIDE ONLY**TRANSMISSION GEAR DATA:**

REAR 04-BOLT Opening

PITCH LINE TO APERTURE FACE:

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

PTO Model	Torq I / C †	Dir Rot	Engine % Fwd Rev	Filler Block	Adapter Assy	Stud Kit	PTO Model	Torq I / C †	Dir Rot	Engine % Fwd Rev	Filler Block	Adapter Assy	Stud Kit
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REAR MOUNT - MECHANICAL SHIFT (12 SPEED TRANSMISSIONS)

511XNASW-V-*	590 C	Opp	90			Furnished
523XTASX-V-*	258 C	Eng	124			Furnished
523XVASX-V-*	258 C	Eng	147			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.

ATO2512 (I-Shift) Low Ratio
 ATO2512C (I-Shift) Low Ratio
 ATO2612 (I-Shift) Low Ratio
 ATO2612C (I-Shift) Low Ratio
 ATO2612D (I-Shift) Low Ratio
 ATO2613F (I-Shift) Low Ratio
 ATO3112 (I-Shift) Low Ratio
 ATO3112C (I-Shift) Low Ratio

ATO3112D (I-Shift) Low Ratio
 VO2512AT (I-Shift) Low Ratio
 VO3112AT (I-Shift) Low Ratio

REAR SIDE ONLY**TRANSMISSION GEAR DATA:**

REAR 04-BOLT Opening

PITCH LINE TO APERTURE FACE:**CAUTION: Application Approval Required for PTO Output Shaft Speeds Above 2500 RPM**

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

REAR MOUNT - MECHANICAL SHIFT (12 SPEED TRANSMISSIONS)

511XRASW-V-*	590 C	Opp	90				Furnished
523XTASX-V-*	258 C	Eng	124				Furnished
523XVASX-V-*	258 C	Eng	148				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.

ATO2512 (I-Shift) High Split Range
 ATO2512C (I-Shift) High Split Range
 ATO2612 (I-Shift) High Split Range
 ATO2612C (I-Shift) High Split Range
 ATO2612D (I-Shift) High Split Range
 ATO2613F (I-Shift) High Split Range
 ATO3112 (I-Shift) High Split Range
 ATO3112C (I-Shift) High Split Range

ATO3112D (I-Shift) High Split Range
 VO2512AT (I-Shift) High Split Range
 VO3112AT (I-Shift) High Split Range

REAR SIDE ONLY**TRANSMISSION GEAR DATA:**

REAR 04-BOLT Opening

PITCH LINE TO APERTURE FACE:

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
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REAR MOUNT - MECHANICAL SHIFT (12 SPEED TRANSMISSIONS)

511XNASW-V-*	590 C	Opp	115			Furnished
523XTASX-V-*	258 C	Eng	159			Furnished
523XVASX-V-*	258 C	Eng	189			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.

ATO1109TO

REAR SIDE ONLY**TRANSMISSION GEAR DATA:**

REAR 00-BOLT Opening

PITCH LINE TO APERTURE FACE:**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
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REAR MOUNT - MECHANICAL SHIFT

511XRAQW-**-*	590 C	Opp	97			Furnished
523XTAQX-**-*	258 C	Eng	134			Furnished
523XVAQX-**-*	258 C	Eng	159			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.

Volvo Notes

VLV-10

1. Connection to Volvo system required for Volvo I-Shift or Mack M-Drive, the vehicle needs to be ordered with PTO prep package. Vehicle ECU must be programmed by dealer for PTO operation.
 2. PTO must be ordered with the "V" shift option and use the OE factory supplied in dash PTO switch.
 3. 511/523 Rear Mounts-The adapter 329735X is furnished with the PTO
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VLV-10H

1. Connection to Volvo system required for Volvo I-Shift or Mack M-Drive, the vehicle needs to be ordered with PTO prep package. Vehicle ECU must be programmed by dealer for PTO operation.
 2. PTO must be ordered with the "V" shift option and use the OE factory supplied in dash PTO switch.
 3. 511/523 Rear Mounts-The adapter 329735X is furnished with the PTO
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VLV-13

1. Connection to Volvo system required for Volvo I-Shift or Mack M-Drive, the vehicle needs to be ordered with PTO prep package. Vehicle ECU must be programmed by dealer for PTO operation.
 2. PTO must be ordered with the "V" shift option and use the OE factory supplied in dash PTO switch.
 3. 511/523 Rear Mounts-The adapter 329735X is furnished with the PTO
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VLV-13H

1. Connection to Volvo system required for Volvo I-Shift or Mack M-Drive, the vehicle needs to be ordered with PTO prep package. Vehicle ECU must be programmed by dealer for PTO operation.
 2. PTO must be ordered with the "V" shift option and use the OE factory supplied in dash PTO switch.
 3. 511/523 Rear Mounts-The adapter 329735X is furnished with the PTO
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VLV-15

1. 511/523 Rear Mounts-The adapter 329743X is furnished with the PTO