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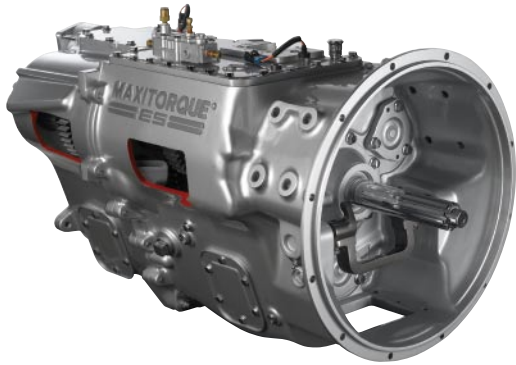


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# Mack® Maxitorque® ES T300 Transmissions



## Reasons to insist on a Mack Transmission

- We're the only truck manufacturer offering the benefits of integration and single-source accountability for the engine, transmission and chassis.
- We offer the only transmission with a triple, countershaft design that disperses load between three shafts versus two shafts.
- Our exclusive, shiftable multi-speed reverse allows for precision off-highway driving.
- Our transmissions provide more PTO mounting options than any other transmission.
- We're the only manufacturer delivering a standard, one-piece aluminum case that's lightweight and stays cool.

## Purposeful power.

With ratings up to 2,100 lb.-ft., the Mack family of transmissions delivers the right torque for instantaneous pulling power. Our T300 series confirms Mack as the undisputed vocational leader where demanding tasks require specific needs. With 19 different models and 6 to 18 speeds, there's a Maxitorque ES transmission perfect for your application. Three 10-speed models head this outstanding lineup: two for the vocational market with multi-speed reverse, and one highway/vocational T310 model. In addition, the popular 9-, 13- and 18-speed models are at home on the jobsite or on the highway. Designed exclusively for use with the Mack Maxidyne® engines, the TM300 models are an excellent choice for mixer and dumper applications.



## Proven performance.

There is a Maxitorque ES transmission to match the torque capacity for all Mack engines. Like its predecessor, the Maxitorque ES T300 features our proven, compact, triple-countershaft design. The T300 series includes a one-piece aluminum case that's lightweight and stays cool.





## Smooth operator.

The shift rail profile and light touch design of our transmissions allow for smooth transitions in and out of neutral with each shift. Sliding clutches permit quicker, smoother shifts while increasing durability. A tighter ergonomic shift pattern is easy on drives for improved comfort.

## Unmatched maneuverability.

Lo and lo-lo ratios for exceptional maneuvering and slow speed control, as well as our exclusive, shiftable multi-speed reverse for precision off-highway driving, are available. For highway cruising, overdrive is standard.

## Before attacking the tough jobs, be sure to use the right weapon.

	MODEL TYPE	SPEEDS		GEAR RATIOS FWD/REV <sup>1</sup>			AVG STEP	WT. (lbs)	ENGINE MATCH	TYPICAL APPLICATION	SIDE PTO DRIVE SPEED	
		FWD	REV	O'ALL	LOW	TOP					MAIN	COMPOUND
1700 lb.-ft.	<b>T306G</b> SIMPLE	6	<b>1</b>	10.51	<b>7.50/8.84</b>	<b>.71</b>	GATHERED	466	MAXICRUISE®	HIGHWAY	70% OF ENGINE	N/A
	<b>TM308</b> EXTENDED RANGE	8	<b>2</b>	24.96	<b>17.77/18.36</b>	<b>.71/6.79</b>	60% (40% Top)	643	MAXIDYNE®	VOCATIONAL	70% OF ENGINE	N/A
	<b>TM308M</b> EXTENDED RANGE	8	<b>MSR*</b>	24.96	<b>17.77/15.59</b>	<b>.71/1.69</b>	60% (40% Top)	732	MAXIDYNE	VOCATIONAL	70% OF ENGINE	VARIABLE UP TO 86% OF ENGINE
	<b>TM309</b> EXTENDED RANGE	9	<b>2</b>	35.4	<b>25.21/25.67</b>	<b>.71/6.79</b>	60% (40% Top)	631	MAXIDYNE	VOCATIONAL	70% OF ENGINE	N/A
	<b>TM309M</b> EXTENDED RANGE	9	<b>MSR*</b>	35.4	<b>25.21/22.12</b>	<b>.71/2.40</b>	60% (40% Top)	745	MAXIDYNE	VOCATIONAL	70% OF ENGINE	VARIABLE UP TO 86% OF ENGINE
	<b>T309</b> <b>T309LR</b> RANGE	9	<b>2</b>	15.79 19.29	<b>11.24/13.31</b> <b>13.74/24.24</b>	<b>.71/3.52</b> <b>.71/6.41</b>	40%	657	MAXICRUISE MAXIDYNE ECONODYNE®	HIGHWAY VOCATIONAL	70% OF ENGINE	N/A
1800 lb.-ft.	<b>T310</b> RANGE	10	<b>2</b>	19.04	<b>13.81/14.73</b>	<b>.73/2.85</b>	39%	665	MAXICRUISE MAXIDYNE ECONODYNE	HIGHWAY VOCATIONAL	70% OF ENGINE	N/A
	<b>T310M</b> <b>T310ME**</b> RANGE	10	<b>MSR*</b>	23.77	<b>17.35/15.22</b>	<b>.73/2.44</b>	40%	770 779	MAXIDYNE ECONODYNE	VOCATIONAL	70% OF ENGINE	VARIABLE UP TO 86% OF ENGINE
	<b>T310MLR</b> RANGE	10	<b>MSR*</b>	38.46	<b>27.30/23.96</b>	<b>.71/2.40</b>	40%	764	MAXIDYNE ECONODYNE	VOCATIONAL	70% OF ENGINE	VARIABLE UP TO 86% OF ENGINE
	<b>T313</b> <b>T313LR</b> RANGE/SPLIT	13	<b>2</b>	18.93 23.13	<b>13.44/15.91</b> <b>16.42/28.98</b>	<b>.71/3.52</b> <b>.71/6.41</b>	18%	789 776	ECONODYNE	HIGHWAY VOCATIONAL	70% OF ENGINE	VARIABLE UP TO 86% OF ENGINE
	<b>T318</b> <b>T318LR</b> RANGE/SPLIT	18	<b>3</b>	18.93 23.13	<b>13.44/15.91</b> <b>16.42/28.98</b>	<b>.71/3.52</b> <b>.71/6.41</b>	18%	789 776	ECONODYNE	HIGHWAY VOCATIONAL	70% OF ENGINE	VARIABLE UP TO 86% OF ENGINE
2100 lb.-ft.	<b>T31321</b> <b>T313LR21</b> RANGE/SPLIT	13	<b>2</b>	18.93 23.13	<b>13.44/15.91</b> <b>16.42/28.98</b>	<b>.71/3.52</b> <b>.71/6.41</b>	18%	798 785	MP10 MAXICRUISE	HIGHWAY VOCATIONAL	70% OF ENGINE	VARIABLE UP TO 86% OF ENGINE
	<b>T31821</b> <b>T318LR21</b> RANGE/SPLIT	18	<b>3</b>	18.93 23.13	<b>13.44/15.91</b> <b>16.42/28.98</b>	<b>.71/3.52</b> <b>.71/6.41</b>	18%	798 785	MP10 MAXICRUISE	HIGHWAY VOCATIONAL	70% OF ENGINE	VARIABLE UP TO 86% OF ENGINE

<sup>1</sup> Reverse speeds and ratios shown in bold italics.

\* MSR (Multispeed Reverse)

\*\* Extended output for optional ratio rear PTO.

Note: 2,100 lb.-ft. ratings are also available for use with Econodyne engines.

