

TREMEC®

Torque Transfer Solutions™

Heavy-Duty Commercial Vehicle 10-Speed Twin Counter Shaft (Non-Synchronized) Manual Transmission

TREMEC transmissions for heavy-duty and vocational applications offer an exceptionally wide range of high torque-to-weight ratios. Designed for over-the-road and city applications, TREMEC transmissions feature outstanding performance, reliability and durability.

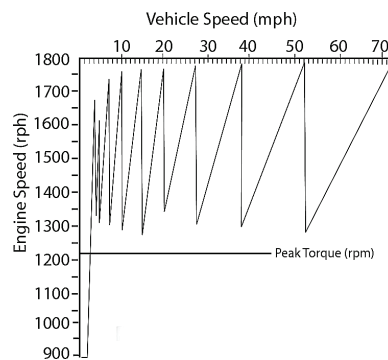
TREMEC offers many configurations of the 10-speed dual counter shaft manual transmission, including a complete line of direct drive and overdrive products.

For weight sensitive or bulk hauling applications, TREMEC heavy-duty commercial transmissions deliver more payload capability with heat-treated aluminum alloy cases. This reduces valuable vehicle weight and provides optimum efficiency to match the unique demands of any application.

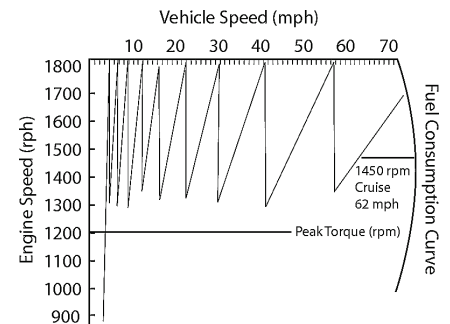
Vocational 10-speed transmissions are available in models to match most application conditions, axle ratio specifications and engine specifications.

Key features and benefits include:

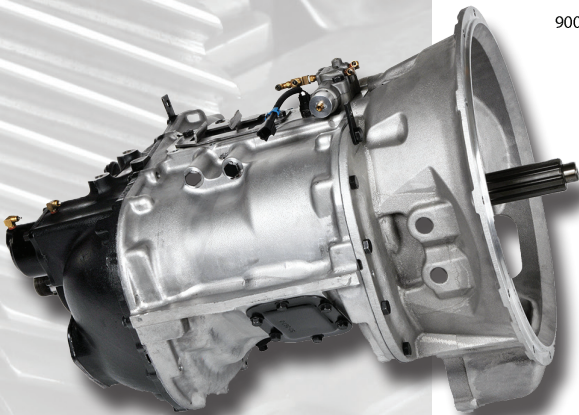
- Patented Optilube™ system provides internal lube pump and pressurized distribution system to ensure adequate lubrication at all times
- Exceptionally smooth shifting
- Driver friendly shift pattern
- High torque-to-weight ratio
- Wide choice of PTO applications
- Quiet operation improves driver comfort
- Deep first and reverse gears for excellent maneuverability
- Low cost of ownership throughout entire service life



**10-Speed Vocational
Transmission**



10-Speed Transmission



General Specifications	
	Direct/Overdrive/Vocational
Ratio Coverage	14.95:1 / 16.72:1 / 19.02:1
Torque Capacity	860 to 1,850 lb.-ft.
Length	28.96 in. (736 mm)
Weight	523 lbs (237 kg)
Input Shaft	2-inch 10-Spline
Output Shaft	2.5-inch 10-Spline
Clutch Housing	Aluminum SAE #1 or #2
Clutch	14-inch or 15.5-inch
Lube Capacity	18 pints (8.5 liters)
Lube Type	See Lube Specifications

Gear Ratios											
Direct Drive			Overdrive			Vocational (Direct)			Vocational (Overdrive)		
Gear	Ratio	% Step	Gear	Ratio	% Step	Gear	Ratio	% Step	Gear	Ratio	% Step
1st	14.95	36%	1st	12.54	36%	1st	19.02	36%	1st	13.59	36%
2nd	11.01	38%	2nd	9.24	38%	2nd	14.02	38%	2nd	10.01	38%
3rd	7.96	33%	3rd	6.68	39%	3rd	10.13	39%	3rd	7.24	39%
4th	5.98	33%	4th	4.80	33%	4th	7.28	40%	4th	5.20	40%
5th	4.50	36%	5th	3.60	38%	5th	5.20	42%	5th	3.71	42%
6th	3.32	36%	6th	2.61	36%	6th	3.66	36%	6th	2.61	36%
7th	2.45	38%	7th	1.92	38%	7th	2.70	38%	7th	1.92	38%
8th	1.77	33%	8th	1.39	39%	8th	1.95	39%	8th	1.39	39%
9th	1.33	33%	9th	1.00	33%	9th	1.40	40%	9th	1.00	41
10th	1.00		10th	0.75		10th	1.00		10th	0.71	
Rev.	16.7		Rev	14.02		Rev	21.27		Rev	15.19	

Power Take-Off Applications		
	Direct Drive	Overdrive
PTO Gear Data	66.7% Engine Speed 45 Tooth, 6 Pitch	85% Engine Speed 45 Tooth, 6 Pitch
Positions	6 Bolt Right, 8 Bolt Left	6 Bolt Right, 8 Bolt Left

End Fitting Reference			
End Yoke	Part Number		
1710	6-4-6611-1		
1760 & 1760HD	6.3-4-651-1		
1810	6.5-4-3451-1		
SPL 250	250-4-561-1		
RPL 25	25W 4540-2A		