

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.

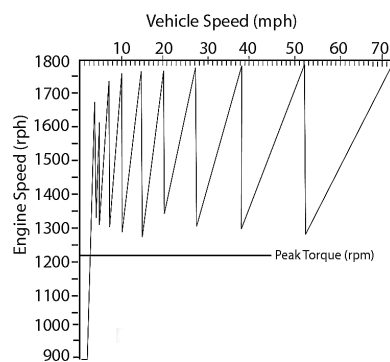
TREMEC offers many configurations of the 10-speed dual counter shaft manual transmission, including a complete line of direct drive and overdrive products.

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.

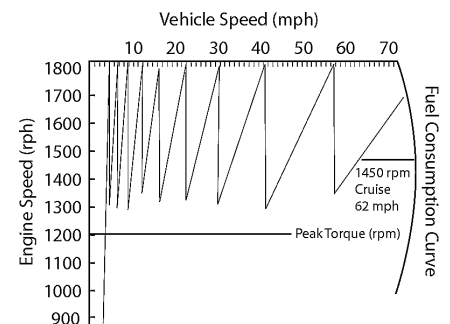
Vocational 10-speed transmissions are available in models to match most application conditions, axle ratio specifications and engine specifications.

Key features and benefits include:

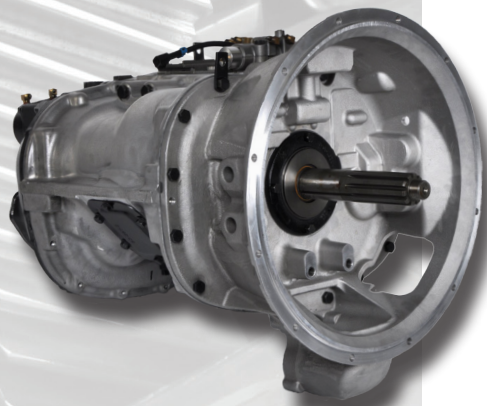
- Patented Optilube™ system provides internal lube pump and pressurized distribution system to ensure adequate lubrication at all times
- Exceptionally smooth shifting
- Driver friendly shift pattern
- High torque-to-weight ratio
- Wide choice of PTO applications
- Quiet operation improves driver comfort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



**10-Speed Vocational
Transmission**



10-Speed Transmission





Torque Transfer Solutions™

Heavy-Duty Commercial Vehicle

10-Speed Twin Counter Shaft (Non-Synchronized) Manual Transmission

Specifications	
Direct/Overdrive/Vocational	
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
Lube Capacity	18 pints (8.5 liters)
Lube Type	CD50 Synthetic

Gear Ratios												
Model No.	Overall Ratio	R1	1	2	3	4	5	6	7	8	9	10
TR-T-10D (Direct Drive)	14.95	16.71	14.95	11.01	7.96	5.98	4.50	3.32	2.45	1.77	1.33	1.00
% Step				36	38	33	33	36	36	38	33	33
TR-TO-10S (Overdrive)	16.72	14.02	12.54	9.24	6.68	4.80	3.60	2.61	1.92	1.39	1.00	0.75
% Step				36	38	39	33	38	36	38	39	33
TR-T-10V (Vocational Direct Drive)	19.02	21.27	19.02	14.02	10.13	7.28	5.20	3.66	2.70	1.95	1.40	1.00
% Step				36	38	39	40	42	36	38	39	40
TR-TO-10V (Vocational Overdrive)	18.88	15.19	13.59	10.01	7.24	5.20	3.71	2.61	1.92	1.39	1.00	0.72
% Step				36	38	39	40	42	36	38	39	41

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	25WYS40-2