

TREMEC TR-3160™ Transmission

6-Speed RWD Manual Transmission

The TR-3160 is designed for either a single or double overdrive transmission. Ideal for light delivery vans, light commercial vehicles and performance vehicle applications, this transmission incorporates the latest design and manufacturing technologies to provide the highest torque capacity and best-in-class shift feel.

Based on an 81mm center distance, the TR-3160 utilizes high strength steel on all gears and shafts - maximizing torque capacity and durability while minimizing weight and package size.

The multi-rail shift system accommodates direct mount and semi-remote shifter locations that provide greater flexibility while reducing noise, vibration and harshness (NVH)

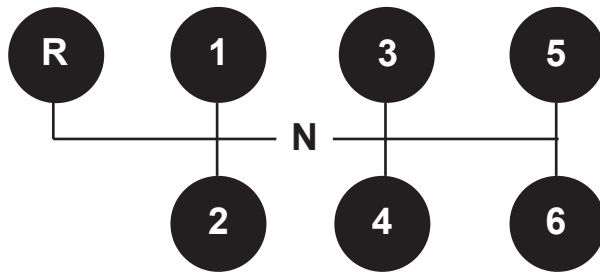
Product Highlights

High capacity tapered bearings and high-capacity synchronizers that contribute to low shift efforts and shifter travel. All gears are hard-finished, which contributes to the transmission's refined feel and low noise.

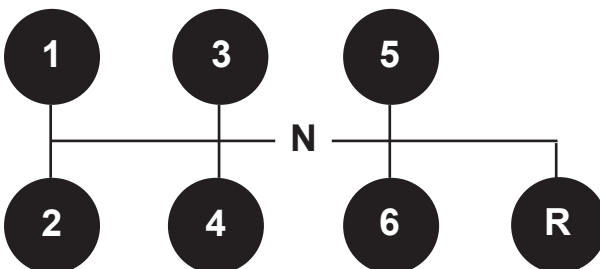
TR-3160 Features at a Glance:

- Rear wheel drive, six-speed manual transmission available with single or double overdrive
- Double and triple cone synchronizers featuring hybrid and sintered bronze friction material.
- Multi-rail shift system accommodates direct mount or semi-remote shifter locations
- High-precision guide plate
- Advanced interlock system
- Anti-friction roller ball detents
- Hollow shafts and webbed gears
- Three-piece "end load design" aluminum housings
- Low-friction linear shift rail bearings

Shift Pattern



Optional Shift pattern



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TREMEC TR-3160 Transmission Specifications

Type:	Rear wheel drive, six-speed manual overdrive transmission; single or dual overdrive					
Maximum gross vehicle weight:*	3,000 kg (6,614 lb) <i>*For reference only. Not applicable to a specific application</i>					
Case:	Die cast aluminum alloy; end load design					
Center distance:	81 mm					
Overall length:	Approximately 700 mm; 4x2 fixed flange application					
Clutch housing:	Integrated					
Synchronizer type:	Double and triple cone, hybrid and sintered bronze friction material					
Lubricant type:	Dexron II, Dexron VI ATF					
Lubricant capacity (approximate):	2.7 L (5.7 pt)					
Transmission weight:	55 kg (121 lb) base line; 51 kg (112 lb) with mass reduction					
Power take off:	Available on request					
Available Gear Ratios <i>Alternative ratios available upon request; may result in different maximum input torque</i>	Gear	A	B	C	D	E
	1	4.12	4.02	3.25	4.40	3.25
	2	2.62	2.22	2.23	2.59	2.23
	3	1.81	1.47	1.61	1.80	1.61
	4	1.30	1.00	1.24	1.34	1.24
	5	1.00	0.76	1.00	1.00	1.00
	6	0.80	0.63	0.63	0.75	0.67
	R	3.75	3.55	2.95	3.99	2.95
Input Torque:	400 Nm 295 lb-ft	440 Nm 325 lb-ft	550 Nm 405 lb-ft	400 Nm 295 lb-ft	550 Nm 405 lb-ft	