

Versatile 15-Speeds



For High-Performance Applications in On-Highway and On/Off-Highway Vocations.

- Ten road speeds plus five deep reduction gears for on/off highway versatility.
- Proven helical gearing in the auxiliary section for quieter operation, increased gear strength and life.
- Proven Fuller transmission performance for engines up to 1650 lb-ft. [2237 Nm] torque.
- High-capacity tapered roller bearings on auxiliary countershafts for increased bearing life.
- Improved output seal system increases seal life and eliminates potential for seal damage during yoke service.
- Improved driver abuse resistance and simplified service due to new mainshaft washer design.
- Proven heavy-duty synchronizer technology offers easy range shifting and long life.
- Standard SAE 6-bolt and 8-bolt PTO openings and optional thru-shaft PTO provision at rear.
- Roadranger warranties are available for a wide variety of applications. To find the coverage that applies to your specific vocation, please see the Warranty Guide (TCWY0900) at www.eaton.com/roadranger.



Powering Business Worldwide

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Fuller® 15-Speed Transmissions

MODEL	CAPACITY	WEIGHT*	LENGTH**	SPEEDS
RT-14915	1450 lbs.ft. [1966 Nm]	696 lbs. [315.70 kg]	33.1 in. [840.74 mm]	15 forward (10 highway, 5 deep reduction), 3 reverse
RTO-14915	1450 lbs.ft. [1966 Nm]	696 lbs. [315.70 kg]	33.1 in. [840.74 mm]	15 forward (10 highway, 5 deep reduction), 3 reverse
RTO-16915	1650 lbs.ft. [2237 Nm]	696 lbs. [315.70 kg]	33.1 in. [840.74 mm]	15 forward (10 highway, 5 deep reduction), 3 reverse

* Less clutch housing, lubricant and end yoke. ** Lengths listed are from face of clutch housing to front bottoming surface of companion flange or yoke.

Specifications:

Clutch Housing:

- SAE #1 or #2 grey iron.
- Aluminum available.

Power Take Off Openings:

- 2 SAE standard openings.
- Right side, regular duty, 6-bolt, short length.
- Bottom, heavy duty, 8-bolt.
- Thru-shaft PTO also available as an option.

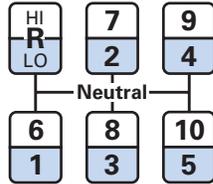
PTO Drive Gears:

- Right side, 45-tooth, 6/8 pitch.
- Bottom, 47-tooth, 6/8 pitch.
- Both gears and thru-shaft turn at .70 engine speed on RT models, .89 on RTO models.

Oil Capacity:

- Approx. 28 pints [13 liters].
- Integral oil pump available.
- Pump standard on RTO-16915.

Shift Pattern:



Standard progressive "H" shift pattern only. (Previously designated as "X" pattern.)

Ratios and Steps RT Model:

GEAR RATIO	% STEP	SPEED	% STEP DEEP RED. TO LOW RANGE	SPEED	% STEP	GEAR RATIO
				10th	27	1.00
				9th	30	1.27
				8th	29	1.65
				7th	31	2.14
				6th	28	2.79
				5th	27	3.57
				4th	30	4.54
6.07	27	5th	← 34 →	3rd	29	5.90
7.73	30	4th	← 31 →	2nd	31	7.63
10.0	29	3rd	← 31 →	1st		9.96
3	31	2nd	← 30 →			
12.9		1st				
8		High Reverse:				2.76
16.9		Low Reverse:				9.84
4		Deep Reduction Reverse:				16.72
		Overall				16.94

Ratios and Steps RTO Models:

GEAR RATIO	% STEP	SPEED	% STEP DEEP RED. TO LOW RANGE	SPEED	% STEP	GEAR RATIO
				10th		.79
				9th	27	1.00
				8th	30	1.30
				7th	29	1.68
				6th	31	2.19
				5th	28	2.81
				4th	27	3.57
4.77	27	5th	← 34 →	3rd	30	4.64
6.07	30	4th	← 31 →	2nd	29	6.00
7.88	29	3rd	← 31 →	1st	31	7.83
10.2	31	2nd	← 30 →			
0		1st				
13.3		High Reverse:				2.17
1		Low Reverse:				7.73
		Deep Reduction Reverse:				13.14
		Overall				16.94

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For spec'ing or service assistance, call 1-800-826-HELP (4357) or visit www.eaton.com/roadranger. In Mexico, call 001-800-826-4357.

Roadranger: Eaton and trusted partners providing the best products and services in the industry, ensuring more time on the road.

Eaton

Vehicle Group
P.O. Box 4013
Kalamazoo, MI 49003 USA
800-826-HELP (4357)
www.eaton.com/roadranger

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