RT-14915
RTO-14915
RTO-16915

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.

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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:

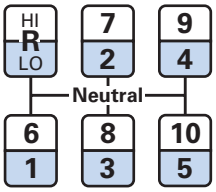
Clutch Housing:
- SAE #1 or #2 grey iron.
- Aluminum available.

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	HIGH RANGE
				9th	30	1.27	
				8th	29	1.65	
				7th	31	2.14	
				6th	28	2.79	
				5th	27	3.57	LOW RANGE
6.07	27	5th	34	4th	30	4.54	
7.73	30	4th	31	3rd	29	5.90	
10.0	29	3rd	31	2nd	31	7.63	
3	31	2nd	30	1st		9.96	
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	27	.79	HIGH RANGE
				9th	30	1.00	
				8th	29	1.30	
				7th	31	1.68	
				6th	28	2.19	
				5th	27	2.81	LOW RANGE
4.77	27	5th	34	4th	30	3.57	
6.07	30	4th	31	3rd	29	4.64	
7.88	29	3rd	31	2nd	31	6.00	
10.2	31	2nd	30	1st		7.83	
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.

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