



Powering Business Worldwide

Fuller® 5- & 6-Speed Transmissions

FS-4205A
FS-4205B

FS-6305A
FS-6305B

FS-5406A
FS-6406A

FSO-6406A
FSO-8406A

Roadranger®

More time on the road™

Eaton's "Robust Transmission System" Provides the Best Value in the Medium-Duty Market!

The New Robust Package Delivers Increased Uptime, Extended Life and Lower Life Cycle Cost*



* Life Cycle Cost based on 200,000 miles/6 years.



The Robust Transmission System combines an industry-preferred Fuller® Transmission with a Fuller® Self-Adjusting Clutch to deliver:

- **Up to 60 – 70% Lower Life Cycle Cost than a conventional automatic!**
 - No clutch adjustments – **Up to \$1,800* in potential cost savings!**
 - Longer wearing synchronizer material reduces synchronizer replacements - **Up to \$1,300* in potential cost savings!**
- **Extended Component Life**
 - Enhanced transmission seals provide greater protection against damage caused by lube loss.
 - New synchronizers are the most durable in the industry, with greater wear-resistance for longer life.
 - Clutch has self-adjusting feature to eliminate adjustments and extend life.

- **Increased Uptime and Improved Productivity**
 - No clutch adjustments, more durable synchronizers and improved seals means less required maintenance...resulting in increased vehicle uptime and improved productivity.
- **Extended Protection Plans Available –**
 - Now, you can purchase the extended warranty coverage you expect from Eaton. Please refer to Eaton's Vocational Warranty Guidelines, item number TCWY-0900, contact a Roadranger at 800-826-HELP (4357) or visit our website at www.roadranger.com for specific details about the Extended Protection Plan coverage options, current pricing and vocations that qualify.

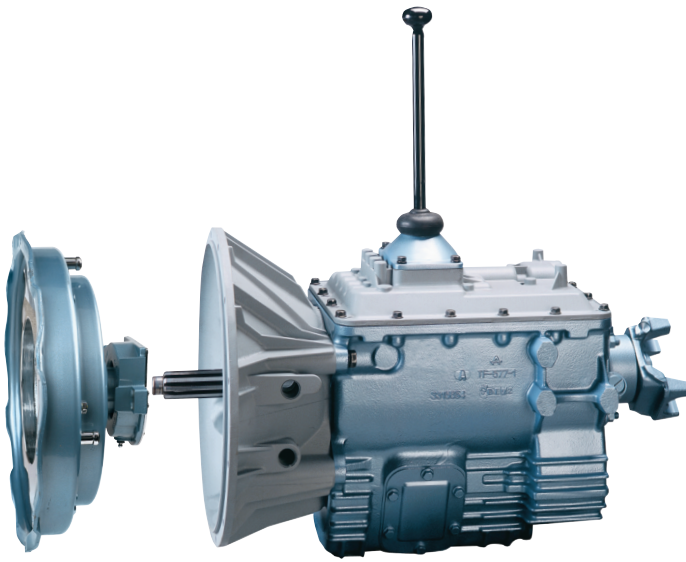
*Savings are based on 6 years/200,000 miles of service. Your results may vary.

Fuller® 5- & 6-Speed Transmissions

Speeds	Model	Lbs.-Ft. Max TQ	Overall	Rev.	1	%	2	%	3	%	4	%	5	%	6	Oil Cap. Pints [ltr]	Length* Inches [mm]	Weight** Lbs. [kg]	PTO Speed (% of Engine)
5 forward, 1 rev.	FS-4205A	420 [569 Nm]	8.05	8.06	8.05	85	4.35	78	2.45	66	1.48	48	1			12.5 [6]	22.3 [566]	232 [105]	46
	FS-4205B	420 [569 Nm]	6.99	6.99	6.99	85	3.78	78	2.13	66	1.28	28	1			12.5 [6]	22.3 [566]	232 [105]	53
	FS-6305A	660 [895 Nm]	7.22	7.22	7.22	86	3.89	75	2.22	60	1.39	39	1			19.5 [9]	25.6 [650]	369 [167]	46
	FS-6305B	660 [895 Nm]	7.22	7.22	7.22	86	3.89	75	2.22	75	1.27	27	1			19.5 [9]	25.6 [650]	369 [167]	46
6 forward, 1 rev.	FS-5406A	560 [759 Nm]	9.01	8.63	9.01	71	5.27	64	3.22	58	2.04	50	1.36	36	1	19.5 [9]	25.6 [650]	359 [163]	52
	FS-6406A	660 [895 Nm]	9.01	8.63	9.01	71	5.27	64	3.22	58	2.04	50	1.36	36	1	19.5 [9]	25.6 [650]	359 [163]	52
	FSO-6406A	660 [895 Nm]	9.04	6.75	7.05	71	4.13	64	2.52	58	1.59	29	1	28	0.78	19.5 [9]	25.6 [650]	359 [163]	68
	FSO-8406A	860 [1166 Nm]	9.04	6.75	7.05	71	4.13	64	2.52	58	1.59	59	1	28	0.78	19.5 [9]	25.6 [650]	359 [163]	68

* With SAE #2 aluminum clutch housing, standard controls, less clutch release components and shift tower. Dry weight.

** Lengths listed are from face of clutch housing to front bottoming surface of companion flange or yoke. SAE #2 (6.625" [168.3 mm] depth.)



Specifications:

PTO Openings:

Both left and right, 6-bolt PTO.

PTO Drive Gears:

FS-4205A/B: 6-bolt, 28-tooth, 6.1 pitch, 29° R. H. Helix.

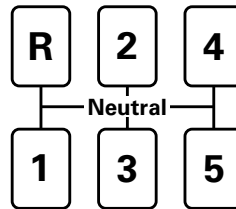
FS-6305A: 39-tooth, 6.4 pitch, 22° R. H. Helix

FS-6305B: 41-tooth, 6.5 pitch, 23° R. H. Helix

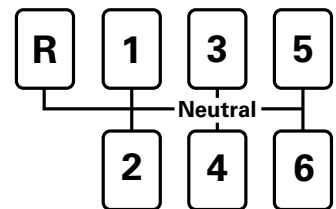
FS-5406A & FS-6406A: Left and right sides operate off 5th speed countershaft gear. 38-tooth gear, 6.35 pitch, 22° Helix Angle, 20° Pressure Angle

FSO-6406A & FSO-8406A: Left and right sides operate off the overdrive countershaft gear. 48-tooth gear, 7.00 pitch, 26° Helix Angle, 23° Pressure Angle

5-Speed Shift Pattern:



6-Speed Shift Pattern:



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

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