Truck Components

Eaton Light, Medium and Medium Heavy Transmissions

FSO - 4305 / 4405

- Designed for vehicles with engines up to
570 Nm of torque.
- Rating to be used as a guide and not as an approval.
- For approval the application must conform to Form FUL-169M or complete vehicle
specification must be submitted on form
FUL-170.
- Easy and low effort shiftings are granted in the 1st and 2nd speeds by the “Low Force synchronizer” technology, developed and patented by Eaton. Synchronized reverse gear for greater comfort and precise shifting.
- The EFM II (pirolitic carbon) friction material, Eaton patented, in the 1st, 2nd, 3rd and 4th synchronizers, significantly increases the durability of these components.
- Aluminium housing and shift forks, lower weight and in accordance with worldwide transmission trends. Shift fork with nylon pads reduces shifting noise, absorbs vibrations, having longer life due to the low wear rate.
- Tapered bearings in the input shaft, main shaft and counter shaft. High load bearing capacity and longer life.

Eaton® Truck Components FSO-4305/4405

Specifications:

Speeds:

5 forward (all synchronised), 1 reverse.

Power Take-Off openings:

Left side (vertical installation), bottom right (horizontal installation):
2 SAE 6 bolt facings plus extended layshaft for fitment of Eaton air operated PTO.

PTO of gear speeds (% of engine):

Side (or bottom) mounded:
FS-4106A 23%
FS-4106B 27%
FSO-4106B 33%
From extended layshaft:
FS-4106A 43%
FS-4106B 52%
FSO-4106B 64%

Speedometer:

Provision in rear bearing cover (standard magn. pick-up).

Reverse light switch:

Provision in Shift bar housing for installation of switch.

Neutral switch:

Provision available.

Weight:

Incl. clutch housing, less clutch release parts & shift tower, 67 kg (dry).

Oil Capacity:

Horizontal installation: 6.5 litres.
Vertical installation: 7.5 litres.

Product description:

Fully designed with the use of high technology by means of simultaneous engineering, the FSO-4305 is part of a new family line of products with inherent technical advantages.

The FSO-4305 is available for light duty vehicles up to 9 tons GVW. Options such as different configurations for input/output and side or rear PTO provision are available.

Shifting: both models: direct and remote (rod or cable)

The FSO-4405 has low force synchronizers on first and second gears.

Ratios and Steps:

GEAR RATIOS FSO - 4305/4405 SERIES

Speed	FS-4305A FS-4405A	FSO-4305B FSO-4405B	FSO-4305C FSO-4405C
5	0.77	0.77	0.77
4	1.00	1.00	1.00
3	1.53	1.53	1.53
2	2.83	2.64	2.64
1	5.76	5.08	5.76
REV	5.24	4.71	5.24

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One Great Drivetrain from Two Great Companies

Eaton and Dana have formed a global partnership to provide complete drivetrain solutions for the world's trucking industry.

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