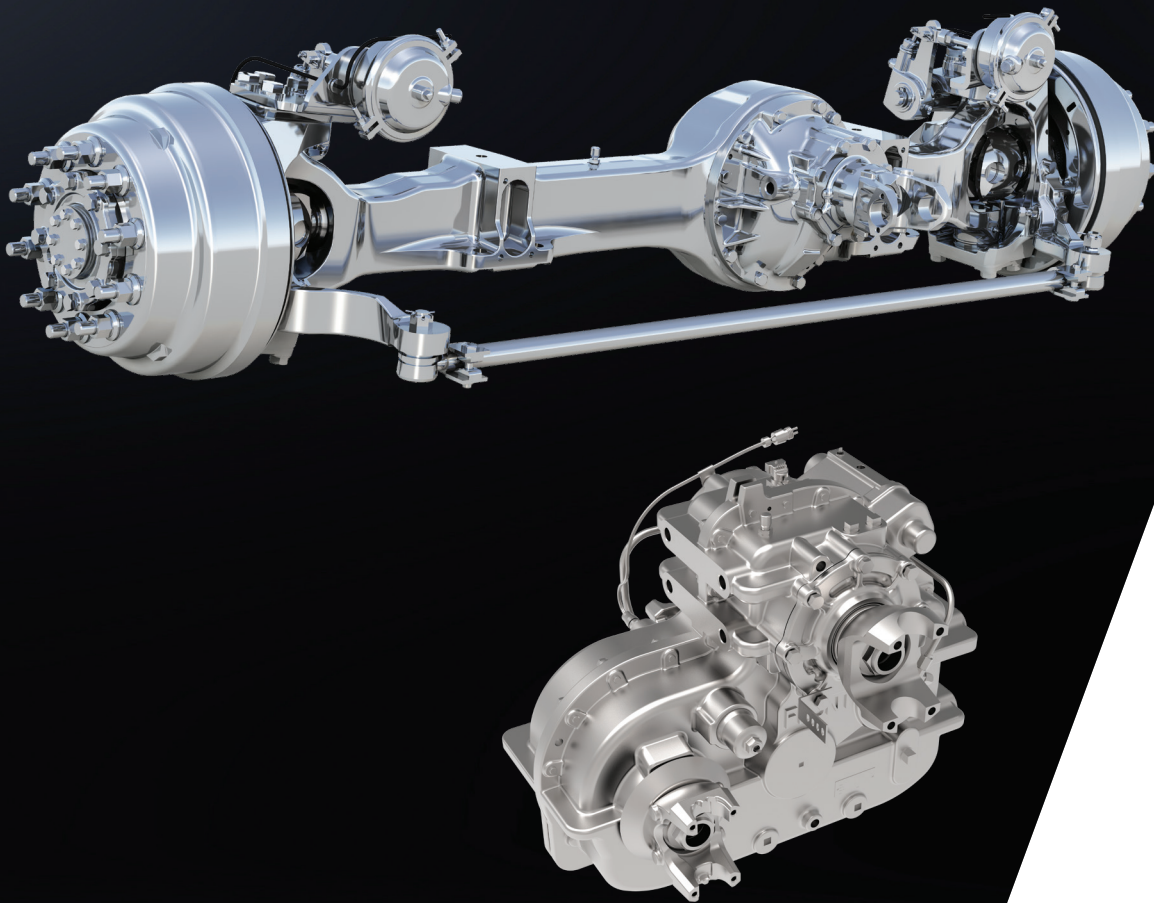


PART-TIME ALL-WHEEL DRIVE SPECIALTY APPLICATION SOLUTIONS

MX-120 SERIES AXLES AND 4200 SERIES TRANSFER CASES

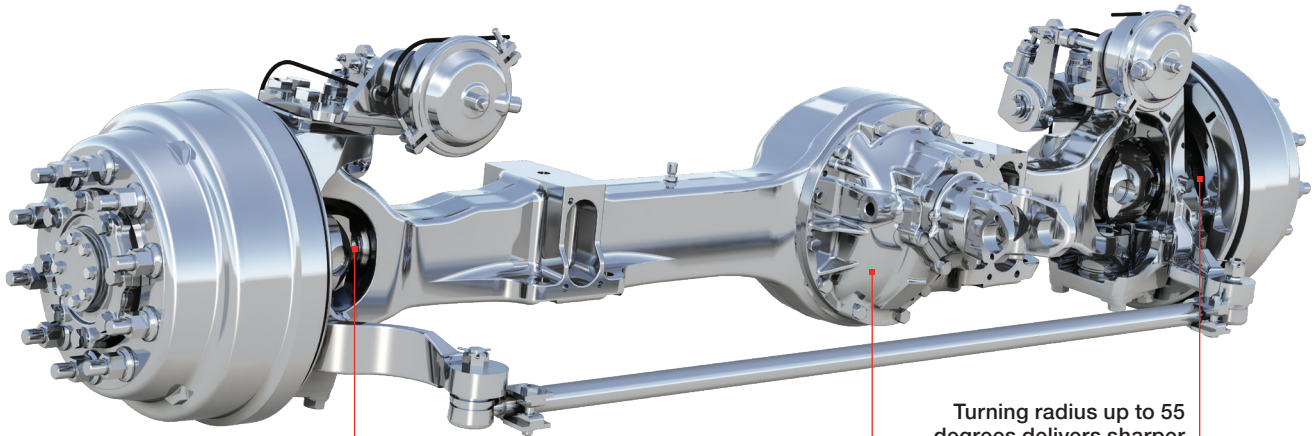


Meritor

**FOR
A WORLD
THAT'S
ALWAYS ON™**

MX-120 SERIES AXLES

Cummins-Meritor's industry-leading drivetrain products offer easy packaging around today's engines, transmissions and emissions hardware. The MX-120 all-wheel drive axle is designed with a rugged housing and wheel-end design for the most demanding applications offering superior turn angle and steering response.



Cummins-Meritor Easy Steer™ king pin and bushings deliver longer life for axles and tires, proven durability and optimized I-beam construction as well as superior vehicle control

Wide ratio of front drive axle gear selection available for use across a range of heavy-duty on- and off-highway applications

Turning radius up to 55 degrees delivers sharper wheel cut and increased maneuverability

FEATURES AND BENEFITS

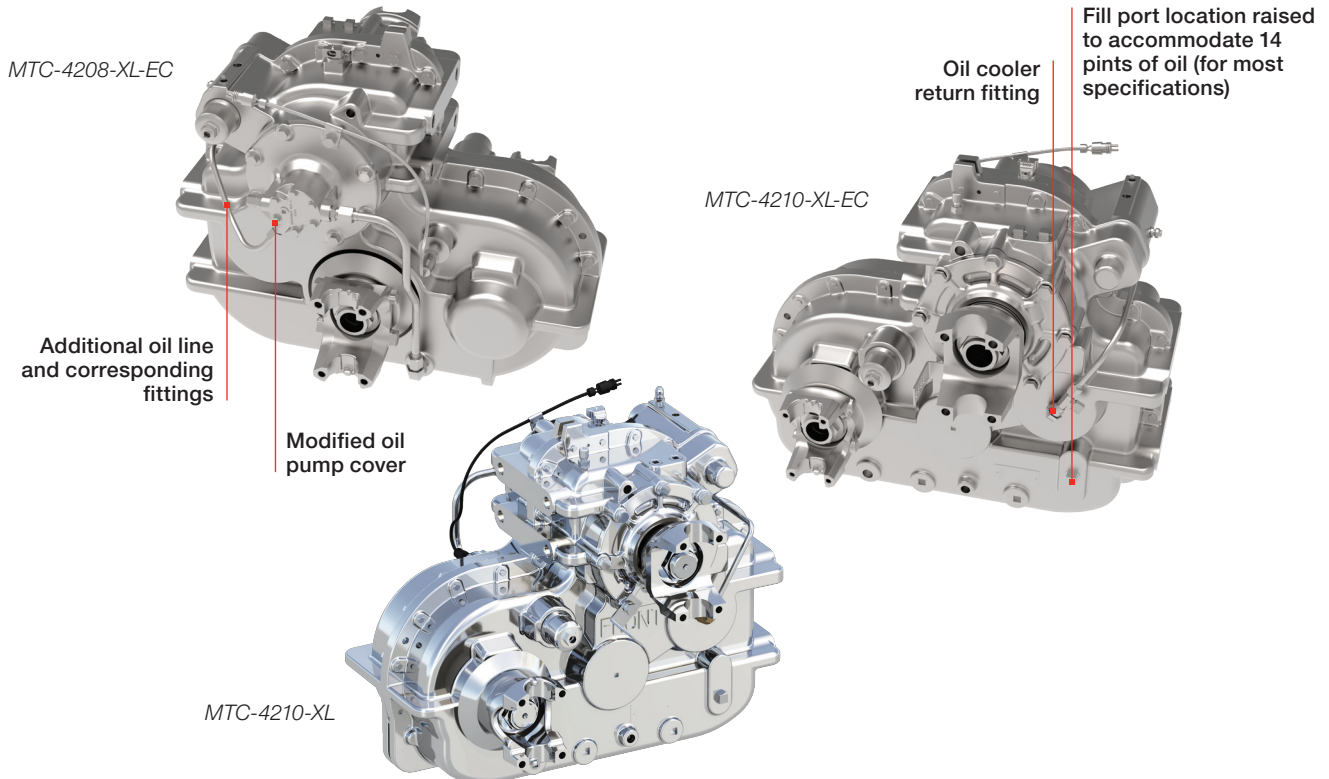
- High offset bowl packages in most vehicle configurations without stacking frame rails
- Inverted position of Cummins-Meritor's 120 global carrier loads the hypoid gearing on the stronger "drive" side
- 16.5-inch Q+™ cam brakes with outboard mounted brake drums and Cummins-Meritor automatic slack adjusters
- Improved turn angle capability up to 42 degrees for reduced vehicle turning radius
- Many options available, including the more robust 120HR carrier, 11.25-inch or 335 mm wheel mounts and thick walled cross tubes
- Straight cross tube for easy toe adjustment
- Incorporates oil lubricated wheel-ends for easier service (MX-120 EVO models only)



MTC-4200 SERIES TRANSFER CASES

Our transfer cases offer excellent durability for medium- and heavy-duty vehicles across on- and off-highway, specialty and defense applications. Cummins-Meritor's MTC-4200 series encompasses a robust case design and precision ground gearing for maximum durability and torque in the most demanding situations.

The MX-120 axle series is designed to mate with the MTC-4200 transfer case series for proper input rotation, low front driveline angles and optimal powertrain packaging to enable low vehicle heights.



FEATURES AND BENEFITS

- Front axle engage-on-the-fly capability for easier vehicle operation and compatibility with automatic engagement systems
- Compatibility with split-shaft power take-off (PTO) assemblies and mid-ship pumps. Designed for applications that cannot use the available transfer case PTO
- Precision ground gearing for maximum durability and torque capability for the most demanding applications while maintaining a low vehicle profile
- Optimal front axle output offset to allow exceptional drivetrain packaging

PERFORMANCE ADVANTAGES

- Cummins-Meritor MTC X, XL, XP and EC models: two-speed, four-shaft transfer cases offer application flexibility, while maintaining a low vehicle profile
- The MTC-4213X is designed specifically to maintain low driveline angles for 6x6 vehicles with high-entry forward-rear axles
- The MTC-4200 series has the highest front axle output offset to allow optimum drivetrain packaging
- MTC-4200 series transfer cases are designed for part-time use with no inter-axle differential
- EC models feature a redesigned oil distribution system to increase oil volume to a chassis-mounted cooler; reducing oil sump temperature at maximum input speed to improve performance

SPECIFICATIONS

MX-120 SERIES AXLE SPECIFICATIONS

Model	Gross axle weight rating (GAWR)*	Brake type and size	Chamber size	Ring gear size	Standard ratios	High retardation ratios	Weight**
MX-8-120 EVO	8,000 lbs (3,629 kg)	Q+ cam 16.5 in x 5 in (419 mm x 127 mm)	T20L	13.25 in (337 mm)	4.30, 4.56, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14	4.88, 5.57, 6.14, 6.43	1,365 lbs (619 kg)
MX-10-120 EVO	10,000 lbs (4,535 kg)						
MX-12-120 EVO	12,000 lbs (5,443 kg)						
MX-14-120 EVO	14,000 lbs (6,350 kg)						
MX-12-120	12,000 lbs (5,443 kg)						
MX-14-120	14,000 lbs (6,350 kg)	Q+ cam 16.5 in x 6 in (419 mm x 152 mm)	T24L		N/A		1,680 lbs (762 kg)
MX-16-120	16,000 lbs (7,257 kg)						
MX-18-120	18,000 lbs (8,164 kg)						1,705 lbs (773 kg)

Axle track	Bowl offset	Dim over wheel	KPI	L spring	R spring	Maximum overall width with steel wheels	Turn angle
Standard	10 in (254 mm)	94.4 in (2,398 mm)	69 in (1,752 mm)	16.5 in (419 mm)	20 in (508 mm)	98.4 in (2,500 mm)	42°
Wide	10.75 (273 mm)	95.9 in (2,436 mm)	70.5 in (1,790 mm)	16.53 in (420 mm)	20.75 in (527 mm)	99.9 in (2,538 mm)	

MTC-4200 SERIES TRANSFER CASE SPECIFICATIONS

Model	Input torque rating* (high range)	Ratios	Front axle engage-on-the-fly	Split-shaft PTO compatible	PTO-equipped	PTO-ready	Pump location
MTC-4208/10X	9,750 ft-lbs (13,220 N•m)	High range: 1:1 Low range: 2.05:1	Yes	Yes	No	Yes	Thru-shaft
MTC-4208/10XL-EC						No	Rear mount
MTC-4210XP						Yes	N/A
MTC-4213-X	13,000 ft-lbs (17,630 N•m)	No	No				

* All vehicle applications must be approved by Cummins-Meritor engineering. Approved ratings may be higher or lower than indicated depending on vocation and engineering review. Call OnTrac at 866-668-7221 for more information.

** Weights listed are for a fully-dressed axle (with brakes, hubs, drums, etc.) less lube.



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