

# MERITOR® 610 SERIES AXLES



# ENGINEERED FOR EXTREME APPLICATIONS

Meritor® planetary drive axles are engineered and manufactured to deliver higher capacity and improved performance across a multitude of heavy-duty off-highway applications. Meritor planetary axles are known for exceptional quality, strength and toughness, and each axle is backed by an intensive validation process at our global design and testing centers.

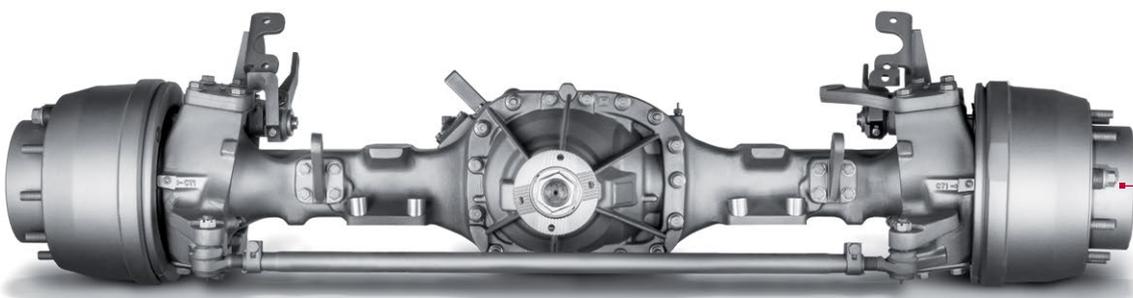


## LINE-UP

AXLE MODEL	AXLE TYPE	IDEAL APPLICATIONS	FABRICATED/CAST	GAW (in Ton)	GCW* (in Ton)	AVAILABLE REDUCTION RATIOS	DCDL (Driver-controlled differential lock)	IAD (Inter-axle differential)	REDUCTION TYPE	WHEEL-END GEARING	STANDARD RING GEAR DIAMETER (in mm)
MX610	Front drive steer	Extra Heavy Duty	Cast	13-14	70	3,46 - 8,65	Curvic	NA	Hub	3 planets	295 - 300
MS610	Single rear drive	Extra Heavy Duty	Cast	13	70	3,46 - 8,65	Curvic	NA	Hub	4 planets	295 - 300
MT26-610	Tandem rear drive	Heavy Duty	Cast	26	100	3,46 - 8,65**	Curvic	Yes (50/50)	Hub	3 or 4 planets	295 - 300
MT32-610	Tandem rear drive	Heavy Duty	Cast	32	120	3,46 - 8,65	Curvic	Yes (50/50)	Hub	3 or 4 planets	295 - 300
MT36-610	Tandem rear drive	Extra Heavy Duty	Cast	36	120	3,46 - 8,65	Curvic	Yes (50/50)	Hub	4 planets	295 - 300
MT40-610	Tandem rear drive	Extra Heavy Duty	Cast	40	120	3,46 - 8,65	Curvic	Yes (50/50)	Hub	4 planets	295 - 300
MZ610	Tridem rear drive	Extra Heavy Duty	Cast	13-20 *3	210	4,11 - 8,65	Curvic	Yes (33/66)	Hub	4 planets	295 - 300

\* Final value depending on customer application

\*\* also available in 3,33

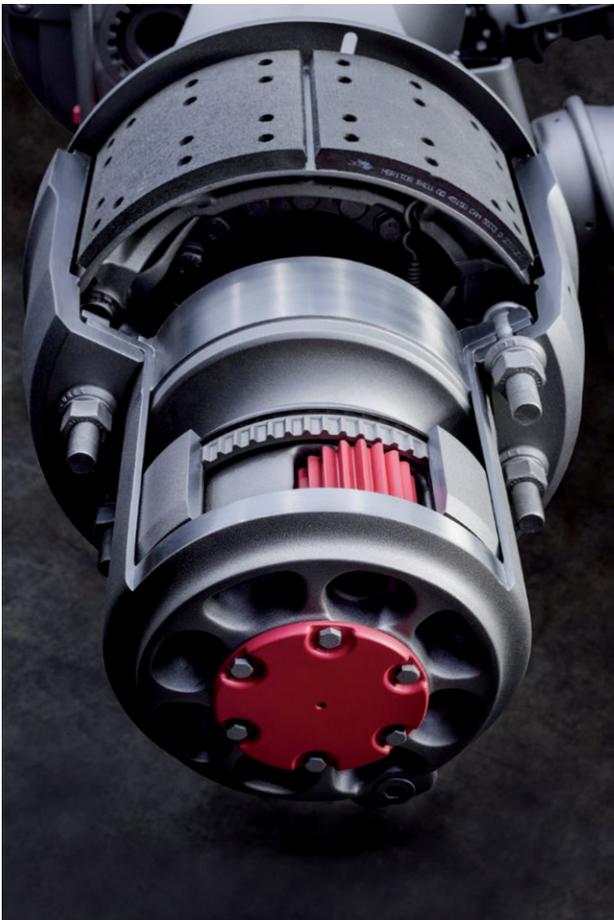


MX610 front driven axle with drum brakes

# FEATURES AND BENEFITS

## 610 SERIES AXLES

- Maximum gross axle weight rating (GAWR) up to 40 ton for tandem axle and 60 ton for tridem
- Tested and validated in the most demanding applications ensuring consistently reliable operation
- Driver-controlled differential locks maximize traction
- Available with both air disc and drum brakes to delivers optimum safety and performance
- Cast housing accepts all heavy duty suspensions available in the market
- A broad overall axle ratio delivers ratio selections from 3.46 to 8,65 for unique and demanding applications
- Extensively tested to ensure durability
- Central Tire Inflation System (CTIS) compatible hardware
- Wheel end is available with 3 or 4 planetary gears



Planetary gear hub-reduction

## MX-610 FRONT DRIVE STEER

- Designed to fit drum or ELSA® air disc brakes
- Air disc brakes in a double-caliper configuration available:
  - offering high-rated torque with compact packaging
  - capable of mounting 20-inch wheel rims
  - offering a steering angle up to 42 degrees



ELSA® air disc in double-caliper configuration

## MZ-610 TRIDEM

- Available with optional steered configuration
- Proportioning inter-axle differential designed to meet a growing global demand for the tridem family of axles:
  - larger input and output shafts
  - driven helical sun gear design
  - 33/33/33 torque proportioning solution to meet multiple applications and vocations



Proportioning inter-axle differential with evenly split torque distribution

