

# TRUCK AND TRAILER ON-HIGHWAY PRODUCTS



**MERITOR**





# THINK MILES AHEAD

## Be Street Smart

Running an on-highway truck operation is tough work. The competition is fierce. Margins are razor thin. Every drop of fuel is important. You need components that can take whatever comes down the road. Day in and day out, year after year.

We're here to help. To keep your business moving forward, Meritor is focused on designing, manufacturing and delivering solutions that are miles ahead. As the world's largest independent manufacturer of commercial truck axles for a broad range of vehicle applications, Meritor delivers the performance, reliability and efficiency to meet tough demands.





## **King of the Road**

Our heritage of over 100 years of forward thinking has produced unsurpassed leadership for the global transportation industry. Today, Meritor is recognized as the global leader across all markets from medium duty to severe duty. We offer the broadest range of drivetrain and safety solutions that provide our customers with proven technology and cutting-edge innovation.

## **A Powerful Combination**

Our longevity is based on a rich heritage of product performance, customer service and engineering expertise. Nobody does it better. We've mastered the combination of leading-edge engineering, advanced gear-cutting, component durability and lightweight materials to support virtually every on-highway application. The result? Components that last longer and work harder mile after mile.

From concept development to product launch, Meritor methodically analyzes customer needs to ensure the necessary technical features and functions are integrated into every product. We understand fleet operators need vehicles that perform reliably and cost-effectively. Meritor components are up for the challenge, offering greater strength at lighter weights for increased payloads and higher operating efficiencies.

## **It All Adds Up**

To significantly reduce lifecycle costs, you have to think miles ahead. Think long-term value and maximum performance. With Meritor, you can expect our drivetrain and safety systems to add to your bottom line. And no manufacturer offers a wider range of solutions. With the field support to back it all up. To keep your truck operation miles ahead, think Meritor.

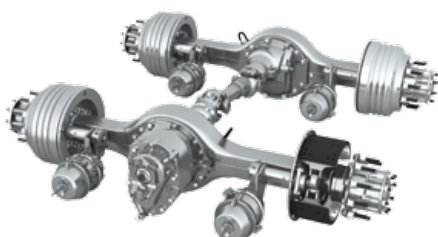


# PRODUCTS

## Everything You Need to Stay Ahead

Our full line of on-highway products feature forward-thinking innovations designed to give you a true competitive edge. No other commercial vehicle component manufacturer delivers such a complete range of solutions to fit your specifications. Operating a business is tough. We're here to make it easier. You can count on Meritor to support you, from the front of the truck to the back of the trailer.





## Axles

With more than a century of axle-manufacturing experience, Meritor is the world's largest independent manufacturer of commercial vehicle axles. We offer the industry's widest range of axle capacities and options to meet the toughest demands along with fuel-efficient solutions.



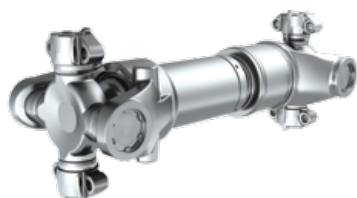
## Brakes

As the global braking leader in both size and capability, Meritor supplies more than two million brake assemblies per year for the commercial vehicle industry. We analyze every brake system, detail and control to optimize safety as well as lifecycle costs.



## Wheel Ends

Meritor's wheel end solutions – including hubs, brake drums and hub assemblies – meet or exceed OEM specifications for heavy-duty commercial and industrial vehicles. Our products are engineered with materials that reduce weight without ever sacrificing strength and durability.



## Drivelines

Meritor drivelines do more than simply link transmissions to drive axles. They link fleet deliveries to customers and drivers to destinations. Meritor offers a wide variety of durable, low-maintenance drivelines designed to meet your trucking operation's needs.

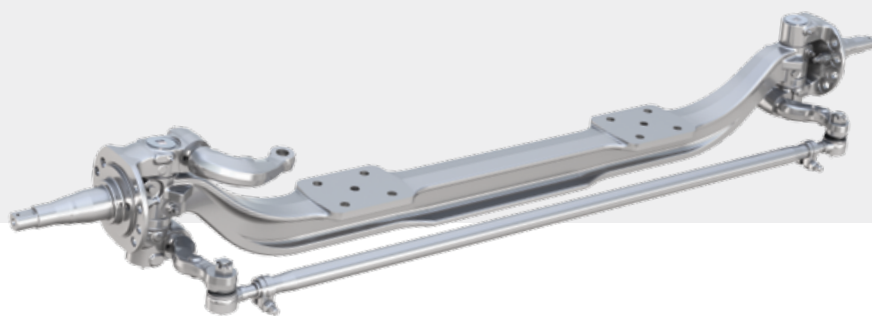


## Trailer Products

For more than 65 years, Meritor has engineered and manufactured groundbreaking components that are the benchmark for trailer suspensions, axles and brakes.

## MFS™ SERIES

6,000 - 14,600 lbs. GAWR



### Features

- Up to a 55-degree turn-angle capability provides unsurpassed maneuverability and vehicle stability
- Wide range of lightweight, high-strength steer axle assemblies allows customization for specific applications and superior OEM packaging flexibility
- Special low-friction bushings, double draw keys, and integral thrust bearing and seal designs offer durability, low maintenance and ease of service
- Unique Easy Steer bushing technology reduces steering effort and increases axle life

MFS Series Specifications					
Ratings	Axle Model	Axle Beam Drop inches (mm)	KPI King Pin Intersection inches (mm)	Wheel-end Series	Applications*
6,000 (2,724)	MFS-6-151A-N	3.30 (83.8)	72.0 (1,828.8)	A	GS, HS
	MFS-6-153B-N	3.74 (95.0)		B	GS, HS
	MFS-6-153C-N			C	GS, HS
	MFS-6-162B-N		B	GS, HS	
	MFS-6-162C-N		C	GS, HS	
7,000 (3,178)	MFS-7-113C-N			68.0 (1,727.2)	GS, HS
	MFS-7-153C-N	72.0 (1,828.8)		GS, HS	
	MFS-7-163C-N	62.25 (1,657.4)		GS, HS	
8,000 (3,632)	MFS-8-113B-N	68.0 (1,727.2)		B	GS, HS
	MFS-8-153B-N	72.0 (1,828.8)	GS, HS		
	MFS-8-163B-N	65.25 (1657.4)	GS, HS		
10,000 (4,540)	FD-961	3.50 (88.9)	69.0 (1,752.6)	A	HS
	FD-965				GS, HS
	MFS-10-143A-N	3.74 (95.0)	71.5 (1,816.1)		GS, HS, LH
	MFS-10-144A-N	5.00 (127.0)			GS, HS, LH
12,000 (5,448)	MFS-12-143A-N	3.74 (95.0)	69.0 (1,752.6)		GS, HS, LH
	MFS-12-144A-N	5.00 (127.0)			GS, HS, LH
	FF-941	3.50 (88.9)			HS, RS
	FF-943	5.00 (127.0)			HS, RS
	FF-961	3.50 (88.9)			HS, RS
	FF-966	3.5/2.0 (88.9/51.0)			HS, RS
12,500 (5,669)	12.5K*	3.74 (95.0)	71.5 (1,816.1)		GS, LH
13,200 (5,993)	FF-967	3.5/2.0 (88.9/51.0)	69.0 (1,752.6)		GS, HS
	FF-942	3.50 (88.9)			GS, HS
	FF-944	5.00 (127.0)			GS, HS
	MFS-13-143A-N	3.74 (95.0)	71.5 (1,816.1)		LH, RS
	MFS-13-144A-N	5.00 (127.0)			LH, RS
14,600 (6,622)	FG-941	3.50 (88.9)	69.0 (1,752.6)		GS, HS, LH, RS
	FG-943	5.00 (127.0)			GS, HS, LH, RS

\*GS= General service HS= Heavy service LH= Linehaul RS= Restricted service



## MS-13X™

17,000 - 21,000 lbs. GAWR



### Features

- Up to 59 lbs. lighter than MS-14X carrier
- Wide range of ratios: 3.90-6.50
- Ease of implementation – utilizes same housing as 14X/145 designs
- Power dense gearing design maximizes axle efficiency
- 17,000-21,000 lbs. GAWR
- 41,000 lbs. GCW

MS-13X Specifications					
Axle Model	MS-17-13X		MS-19-13X		MS-21-13X
GAWR lbs.	17,000		19,000		21,000
GVW/GCW Highway Pounds	41,000		41,000		41,000
Standard Ratios	3.90, 4.11, 4.33, 4.63, 4.88, 5.13, 5.29, 5.57, 5.83, 6.17, 6.50		3.90, 4.11, 4.33, 4.63, 4.88, 5.13, 5.29, 5.57, 5.83, 6.17, 6.50		3.90, 4.11, 4.33, 4.63, 4.88, 5.13, 5.29, 5.57, 5.83, 6.17, 6.50
Ring Gear Size (Pitch Diameter) inches (mm)	13.97 (355)		13.97 (355)		13.97 (355)
Axle Shaft Spline Size inches (mm)	2.00 (50.8) 39 Teeth	2.10 (53.3) 41 Teeth	2.00 (50.8) 39 Teeth	2.10 (53.3) 41 Teeth	2.10 (53.3) 41 Teeth
Body Diameter inches (mm)	1.81 (45.97)	1.88 (47.8)	1.81 (45.97)	1.88 (47.8)	1.88 (47.8)
Housing Box Size inches (mm)	5.25 x 4.62 (134 x 117)		5.25 x 4.62 (134 x 117)		5.25 x 4.62 (134 x 117)
Wall Thickness at Spring Seat inches (mm)	0.73/0.43 (9.5/11.0) Standard Track		0.37/0.43 (9.5/11.0) Standard Track		0.37 (9.5)
Wheel End Series	L	R	L	R	R



## MS-14X™

17,000 - 21,000 lbs. GAWR



### Features

- Proven, robust design combined with high-strength materials provide superior performance and durability across many different applications
- Industry's most complete range of ratios fulfills specific needs for maximum fuel economy and torque handling
- High-quality, versatile components ensure quiet operation and ease of serviceability
- Strong differential cases support precise gear alignment and durability
- Optional Driver-Controlled Differential Lock (DCDL) provides maximum traction and spinout protection under slippery conditions
- Wide range of housing options for multiple applications allows for superior OEM packaging flexibility

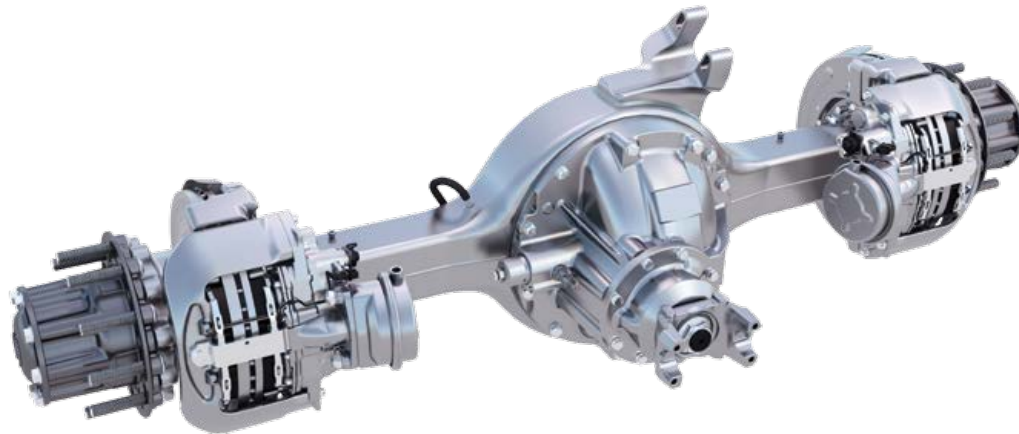
MS-14X Specifications				
Axle Model		MS-17-14X	MS-19-14X	MS-21-14X
GAWR lbs. (kg)		17,500 (7945)	19,000 (8626)	21,000 (9534)
Wheel End		L	L/R	R
Minimum Mounting Centers inches		40.00	40.00	40.00
Box Section inches (mm)		5.25x4.62 (134x117)	5.25x4.62 (134x117)	5.25 x 4.62 (134x117)
Track	Standard	72.50	72.50	72.50
	Wide	78.12	78.12	78.12
	DualTrac	75.50	75.50	75.50
Housing Wall Thickness inches (mm)	Standard	0.37 (9.5)	0.37/0.43 (9.5/11.0)	0.37/0.43 (9.5/11.0)
	Wide	0.56 (14.3)	0.56 (14.3)	0.56 (14.3)
	DualTrac	0.43 (11.0)	0.43 (11.0)	0.43 (11.0)





# RS-160™ SERIES

21,000 - 25,000 lbs. GAWR



## Features

- Precision-forged differential gears provide maximum strength and shock resistance
- 11mm standard wall thickness for heavy applications
- Matched gearing and axle shaft design delivers cost-effective, dependable operation
- Wide range of housing options for multiple applications allows for superior OEM packaging flexibility
- Industry's most complete range of ratios fulfills specific needs for maximum fuel economy, and torque handling
- Hypoid-Generiod™ gearing options provide long life and increased durability
- Optional Driver-Controlled Differential Lock (DCDL) provides maximum traction and spinout protection under slippery conditions

RS-160 Series Specifications				
Axle Model		RS-21-160	RS-23-160	RS-25-160
GAWR lbs. (kg)		21,000 (9534)	23,000 (10,442)	25,000 (11,350)
Wheel End		R	R	R
Minimum Mounting Centers inches (mm)		40.00 (1016)	40.00 (1016)	40.00 (1016)
Box Section inches (mm)		5.25 x 4.62 (134x117)	5.25 x 4.62 (134x117)	5.25 x 4.62 (134x117)
Track	Standard	72.50	72.50	72.50
	Wide	78.12	78.12	78.12
Housing Wall Thickness inches (mm)	Standard	0.43 (11.0)	0.43 (11.0)	0.63 (16.0)
	Wide	0.63 (16.0)	0.63 (16.0)	0.63 (16.0)
DualTrac		0.50 (12.7)	N/A	N/A

## MT-14X™

34,000 - 44,000 lbs. GAWR



### Features

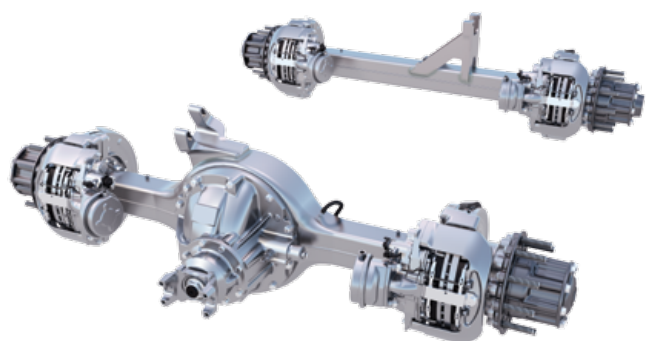
- Robust Inter-Axle Differential (IAD) is 20% larger than the competition's with fewer parts; torque capacity up to 2,050 lb.-ft. in certain applications; improved pinion, differential and needle bearing design provides longer life and increased reliability
- Premium Amboid™ design reduces inter-axle driveline U-joint angularity; less vibration and increased ride quality and overall component life
- Industry's most complete range of ratios (2.28-7.17) fulfills specific needs for fuel economy and maximum performance on the road
- DualTrac™ allows for 0-0.56-inch outset wheels safely or the use of tandem wheels
- Optional pump that works in forward and reverse lubricating the input shaft at all times for improved reliability
- Optional Driver-Controlled Differential Lock (DCDL) provides maximum traction and spinout protection under slippery conditions

MT-14X Specifications				
Axle Model		MT-34-14X	MT-40-14X	MT-44-14X
GAWR lbs. (kg)		34,000 (15,436)	40,000 (18,160)	44,000 (19,976)
Wheel End		R	R	R
Minimum Mounting Centers inches		35.88	35.88	35.88
Box Section inches (mm)		5.25 x 4.62 (134x117)	5.25 x 4.62 (134x117)	5.25 x 4.62 (134x117)
Track	Standard	72.50	72.50	72.50
	Wide	78.12	78.12	78.12
	DualTrac	75.50 (1918.0)	75.50 (1918.0)	NA
Housing Wall Thickness inches (mm)	Standard	0.37/0.43 (9.5/11.0)	0.37/0.43 (9.5/11.0)	0.50 (12.7)
	Wide	0.56 (14.3)	0.56 (14.3)	0.56 (14.3)
	DualTrac	0.37/0.43 (9.5/11.0)	0.37/0.43 (9.5/11.0)	NA



# FUELITE™/FUELITE+™

40,000 lbs. GAWR



FUELite



FUELite+

## Features

- Precision-forged differential gears provide maximum strength and shock resistance
- 11mm standard wall thickness for heavy applications
- Matched gearing and axle shaft design delivers cost-effective, dependable operation
- Wide range of housing options for multiple applications allows for superior OEM packaging flexibility
- Industry's most complete range of ratios fulfills specific needs for maximum fuel economy, and torque handling
- Hypoid-Generiod™ gearing options provide long life and increased durability
- Optional Driver-Controlled Differential Lock (DCDL) provides maximum traction and spinout protection under slippery conditions

## FUELite/FUELite+ Specifications

Axle Model	MA-40-165 (FUELite)	MA-40-175 (FUELite+)
GAWR lbs. (kg)	40,000 (18,144)	40,000 (18,144)
GCW Highway lbs. (kg)	90,000 (40,823)	140,000 (63,503)
Standard Ratios (High/Low Range)	2.50, 2.67, 2.80, 2.93, 3.07, 3.21, 3.42, 3.58, 3.73, 3.91, 4.10	2.31, 2.47 (additional ratios pending)
Ring Gear Size (Pitch Diameter) inches (mm)	18.00 (457.2)	17.00 (433)
Axle Shaft Spline Size inches (mm)	2.35 (59.7) - 46 tooth	2.35 (59.7) - 46 tooth
Body Diameter inches (mm)	2.25 (57.2)	2.25 (57.2)
Housing Box Size inches (mm)	5.25 x 4.62 (133x117)	5.25 x 4.62 (133x117)
Wall Thickness at Spring Seat inches (mm)	0.50 (12.7) DualTrac Drive Axle Tag Axle	0.50 (12.7) DualTrac Drive Axle Tag Axle
Wheel End Series	R	R

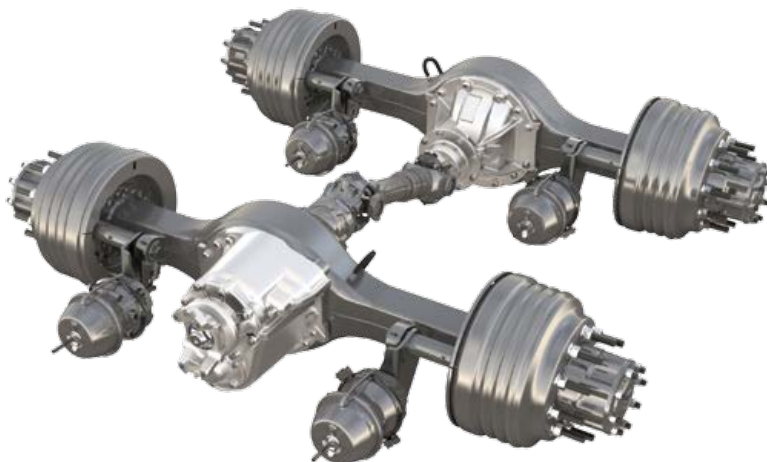
\* Fuel savings are estimates only. Actual fuel savings may vary and will depend on a variety of factors beyond Meritor, Inc.'s control, including load, vehicle type, driver performance, distances traveled, vehicle speed, road conditions, etc.

\*\* Auto diff lock (ADL) capable. The system senses slippery conditions and activates the differential lock automatically.



## RT-145A™

40,000 lbs. GAWR



### Features

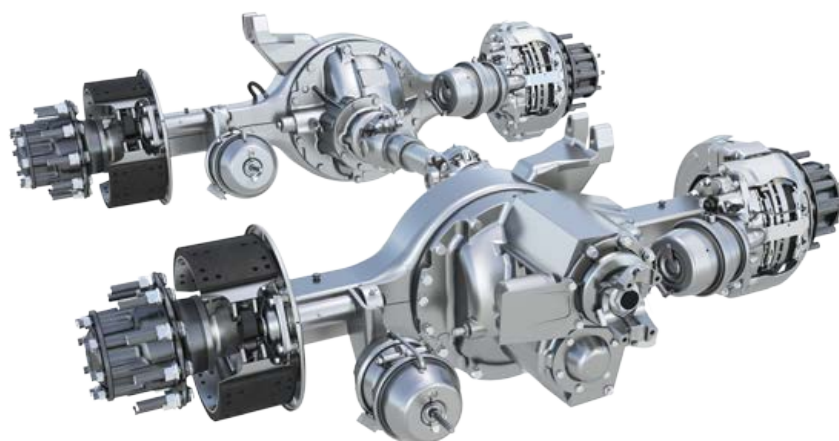
- Aluminum carrier offers significant weight savings of up to 60 lbs. over the MT-14X for bulk haulers and weight sensitive customers
- DualTrac™ allows for 0-.056-inch outset wheels safely or the use of tandem wheels
- Broad range of gear ratios available (2.64-7.17) fulfills specific needs for fuel economy and maximum performance
- Lightweight design allows more payload and is perfectly suited to weight sensitive applications that need the traction levels offered by a 6x4 drive axle

RT-145A Specifications			
Axle Model		RT-145A	
GAWR lbs. (kg)		40,000 (18,160)	
Wheel End		R	
Minimum Mounting Centers Inches (mm)		40.00 (1016)	
Box Section inches (mm)		5.25 x 4.62 (134x117)	
Track	Standard	72.50	
	Wide	78.12	
	DualTrac	75.50 (1918.0)	
Housing Wall Thickness inches (mm)	Standard	0.37/0.43 (9.5/11.0)	
	Wide	0.56 (14.3)	
	DualTrac	0.37/0.43 (9.5/11.0)	



# RT-160™ SERIES

40,000 – 50,000 lbs. GAWR



## Features

- DualTrac™ allows for 0-.056-inch outset wheels safely or the use of tandem wheels
- Broad range of gear ratios available (3.07-7.17) fulfills specific needs for fuel economy, needed for heavier applications
- Robust gear design provides greater torque capacity and longer component life
- Optional pump that works in forward and reverse lubricates input shaft at all times for improved reliability
- Optional Driver-Controlled Differential Lock (DCDL) provides maximum traction and spinout protection under slippery conditions
- 18-inch Ring gear made to accommodate tough applications

RT-160 Series Specifications					
Axle Model		RT-40-160	RT-46-160	RT-46-164	RT-50-160
GAWR lbs. (kg)		40,000 (18,160)	46,000 (20,884)	46,000 (20,884)	50,000 (22,700)
Wheel End		R	R	R	R
Minimum Mounting Centers inches (mm)		35.88 (911)	35.88 (911)	35.88 (911)	35.88 (911)
Box Section inches (mm)		5.25 x 4.62 (134 x 117)	5.25 x 4.62 (134 x 117)	5.25 x 4.62 (134 x 117)	5.25 x 4.62 (134 x 117)
Track	Standard	72.50 (1841.5)	72.50 (1841.5)	72.50 (1841.5)	72.50 (1841.5)
	Wide	78.12 (1984.0)	78.12 (1984.0)	78.12 (1984.0)	78.12 (1984.0)
Housing Wall Thickness inches (mm)	Standard	0.43 (11.0)	0.50 (12.7)	0.63 (16.0)	0.63 (16.0)
	Wide	0.63 (16.0)	0.63 (16.0)	0.63 (16.0)	0.63 (16.0)
Dual Trac		0.50 (12.7)	0.50 (12.7)	N/A	N/A

## RPL™ SERIES



### Features

- First to North American commercial vehicle market with our permalube technology making our RPL series driveline permanently lubricated and sealed for life
- Nylon thrust washers eliminates metal-to-metal contact to prevent wear and extend u-joint life
- Triple lip seals provides ultimate protection against contaminants for extended U-joint life
- Four-bolt design provides easy installation
- RPL35 series high-torque rated models available for heavy service and downspeeding applications
- Industry-leading driveline warranty for linehaul applications: 5 years/500,000 miles parts, 1 year unlimited miles labor included

RPL Series Specifications					
Model	RPL20	RPL25	RPL25SD	RPL35	RPL35SD
Tubing O.D. inches	4.095	4.59	4.69	4.69	5.204
Wall Thickness inches	0.18	0.18	0.23	0.23	0.236
Tubing I.D. inches	3.735	4.23	4.23	4.23	4.732
Tubing Weight lb.-ft.	7.53	8.49	10.97	10.97	12.56
Swing Diameter	7.80	9.10	9.10	8.11	8.11
Driveline Rating (lb.-ft)	12,000	17,200	18,500	21,500	25,820
Driveline Rating (n-m)	16,270	23,320	25,083	29,150	35,000





# MXL™ SERIES



## Features

- High strength tubing provides consistent straightness for optimum performance
- Improved nitrile seal design protects driveline from road contaminants
- Robust bearing retention system provides superior clamping force and eliminates spinning cups
- Triple lip seal and protective metal deflector protects and extends U-joint life
- Lubrication intervals up to 100,000 miles reduces operating and maintenance cost
- Polyglide™ nylon coating standard minimizes axial loads by reducing friction

MXL Series Specifications					
Model	155N	16MXL	17MXL	176MXL	18MXL
Tubing O.D. inches	4.00	4.00	4.095	4.095	4.59
Wall Thickness inches	0.08	0.11	0.18	0.18	0.18
Tubing I.D. inches	3.83	3.78	3.735	3.735	4.23
Tubing Weight lb.-ft.	3.48	4.53	7.53	7.53	8.49
Swing Diameter	6.00	7.00	7.80	8.40	9.10
Driveline Rating (lb.-ft)	3,800	6,000	10,000	12,000	16,500
Driveline Rating (n-m)	5,152	8,135	13,558	16,270	22,371

EX+™ AIR DISC BRAKES



Features

- In-line braking ability for smoother stops
- Gear synchronized twin piston design to deliver optimal pad/rotor wear, reduced maintenance time and lower maintenance costs
- Lightweight options are available for hub and rotor packages
- The standard mechanical visual wear indicator gives fleets quick-check capability of remaining pad life without removing the wheel
- Optimal running clearance providing superior service life and boosts stopping power
- Internal mechanism is sealed for life and does not require periodic manual adjustment, lubrication or maintenance
- Unique tri-lobal piston shape and double sealing provides superior environmental protection

EX+ Air Disc Brakes Specifications						
EX+ Model	Carrier Mount	GAWR lbs	Air Chamber Orientation	Air Chamber Size	Rotor Size	Weight
EX+L	Axial	26,000	4 Degree / 12 Degree	Type 16	410 mm	83lbs.
	Radial			Type 20	430 mm	
				Type 24	434 mm	
EX+H	Axial	29,000	0 Degree / 12 Degree	Type 16	434 mm	92lbs.
	Radial			Type 20		
				Type 24		
				Type 27		
				Type 30		



# QUADRAULIC HYDRAULIC DISC BRAKES



## Features

- Fixed mount means less moving parts than a sliding caliper which eliminates slide pin seizing and provides superior stopping performance
- Opposing pistons minimize brake drag to maximize fuel economy
- Quick pad change simplifies service, reducing service time and reducing risk of incorrect installation or hydraulic hose damage
- Superior MA friction materials provide reliable performance and reduce cost of ownership
- Phenolic piston design prevents fluid boil at high rotor temperatures
- Fixed mount applies even force to pads which optimizes even pad wear allowing maximum mileage



Q+™ DRUM BRAKES



Features

- Upgraded performance to meet Reduced Stopping Distance (RSD)

■ Stopping distance gap closer to air disc brakes

■ Complete portfolio of options to reduce weight and extend service life
- Industry leading friction materials deliver longer service intervals

■ Best in class premium e-coat for rust jacking prevention and PlatinumShield™ option

■ Extended lining life reduces total cost of ownership

Q+ Brake Assembly Specifications		
Model	FRONT	REAR
Available Sizes	16.5x5", 16.5x6"	16.5x7", 16.5x8.625"
RSD	Yes	Yes
Brake Spider	Cast / Stamped	Cast / Stamped
Gussets	Yes	Yes
Max Chamber Size	Type 24	Type 30
Slack Sizes	5.5 or 6"	5.5 or 6"
Dust Shields Available	Yes	Yes
Warranty	Up to 5 year / 750k miles	



# AUTOMATIC SLACK ADJUSTER



## Features

- Meritor's unique design keeps brakes in constant adjustment while eliminating the need for frequent under-the-truck brake adjustments; only ASA that adjusts on chamber stroke
- Reduces brake maintenance costs and vehicle safety inspection citations while optimizing brake performance
- 25,000 in.-lbs. torque capacity
- Pull pawl design requires fewer moving parts, enhancing durability and reliability
- Fully sealed to resist internal contamination for longer life

Automatic Slack Adjuster Specifications		
Specifications	Front Steer Axle	Drive and Trailer Axle
Slack Length inches	5.0, 5.5	5.0, 5.5, 6.0, 6.5, 7.0
Arm Configuration	Straight 0.625" offset clevis	Straight
Camshaft Spline Size and No.	1.25 - 24 1.25 - 10 1.50 - 10 1.50 - 28	1.50 - 10 1.50 - 28 1.625 - 37
Clevis Thread	.50" - 20 for chamber type 9,12,16 .625" - 18 for 20, and larger chambers	.625"-18 for type 20,24,30,36 chambers

\* 5/8" offset clevis available

# STEELite™ X30 BRAKE DRUM



## Features

- Exclusive one-piece patented roll-formed steel drum provides weight savings of 100 to 140 lbs per tractor\*
- Return on investment as early as six months
- Reengineered for superior tolerances: reduced noise vibration harshness; meets Reduced Stopping Distance (RSD) requirements
- State-of-the-art materials and manufacturing process for improved reliability and fade resistance

STEELite X30 Drum Specifications					
Meritor Drum Part No.	53123815002	53123816002	53123537002	53123544002	53123771002
Brake Size	16.5x5	16.5x5	16.5x7	16.5x8.62	16.5x8.62
Overall Depth inches	9.23	8.80	10.38	11.04	11.16
Braking Surface Width inches	5.83	6.08	7.67	8.95	9.07
Pilot Diameter inches	8.78	8.78	8.78	8.78	8.78
Bolt Circle inches	11.25	11.25	11.25	11.25	11.25
Bolt Hole No.	10	10	10	10	10
Bolt Hole Size inches	1.281	1.281	0.937	0.937	0.937
Meritor Weight lbs.	79.1	80.4	93.5	102	103
GAWR	14,600	14,600	23,000	23,000	23,000

\* As compared with full-cast drums with 16.5"x5" front breaks and 16.5"x 8 5/8" tandem rear and trailer brakes





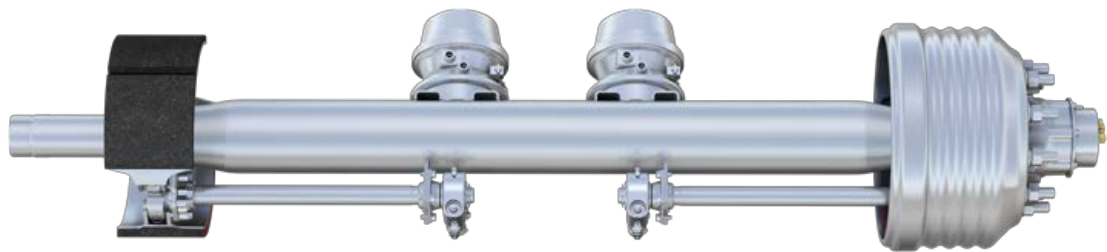
## WHEEL ENDS



### Features

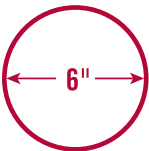
- Meritor wheel end solutions include hubs, rotors, brake drums and hub assemblies
- Meets or exceeds OEM specifications for heavy-duty commercial and industrial vehicles
- Engineered with materials that reduce weight without sacrificing strength and durability
- Made from high-strength ductile iron, Meritor hubs are designed to reduce maintenance costs and downtime

# MTec6™ TRAILER AXLES



### Features

- MTec6™ 6-inch diameter trailer axle is the industry's lightest trailer axle offering maximum fuel economy and increased payload capacity
- Single-piece tube design increases strength and stiffness for better tire contact which reduces tire wear
- Patented bolt-on spider bushing retainer allows removal and servicing of camshaft components without removal of the hub, reducing downtime and maintenance costs
- Barrel-shaped brake rollers offer more even wear and extended lining service life
- Brake spiders are stamped for precise weight and size specifications



Meritor's new larger 6-inch diameter axle housing increases stiffness by 21% while reducing weight by 23%



Competitors use more material which adds weight

MTec6 Axle Weight Savings			
Axle Model	23K	25K	30K
Weight Savings lbs. vs typical 5" axle*	40	51	57
Weight Savings lbs. vs typical 5.75" axle	37	31	28

\*Compared to lightest conventional 5-inch diameter trailer axle available.



## MTIS™ BY P.S.I.



### Features

- Increases fuel economy by an average of 1.4% by maintaining proper tire pressure
- Exclusively available with MTIS, optional ThermALERT™ wheel-end heat sensing technology
- Studies show a 10% longer tire life
- Continuous inflation prevents early retreading – reduces overall fleet tire costs
- Saves fleet maintenance costs by reducing time spent on manual pressure checking and filling
- Prevents underinflation which is the leading cause of tire blowouts

Average Annual Cost Savings Per Trailer With Meritor Tire Inflation System (MTIS)	
Operating Cost	Savings
Tread Wear <sup>1</sup>	\$200
Maintenance <sup>2</sup>	\$200
Fuel <sup>3</sup>	\$930
Tire Downtime/Replacement <sup>4</sup>	\$630
<b>Total Savings</b>	<b>\$1,960</b>

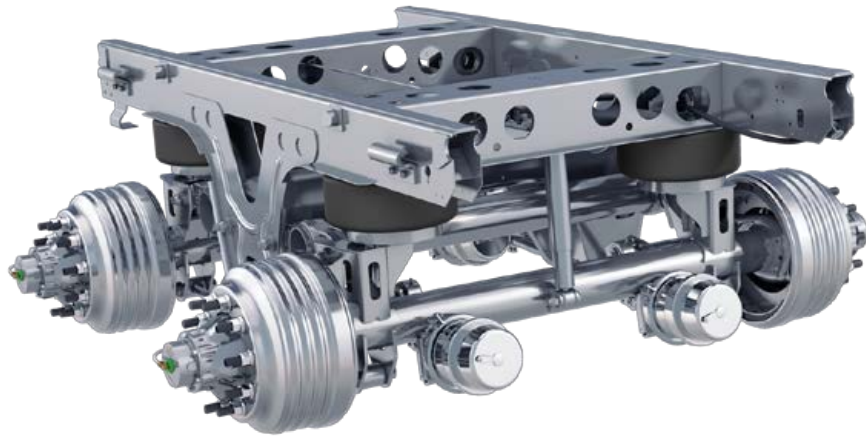
<sup>1</sup>Based on 10% extended tire life of eight tires traveling 100,000 miles per year and a tire cost of \$400 (average between small and large fleets).

<sup>2</sup>Based on 20 minutes twice per month spent checking and filling tires by a tire professional at \$25 per hour.

<sup>3</sup>Based on 1.4% annual savings, assuming 100,000 miles per year at 6 mpg and \$4.00 per gallon.

<sup>4</sup>Based on one service call over two years; includes direct cost, downtime and a replacement tire.

# RideSentry™ MPA SUSPENSION



## Features

- Industry's first and only curbing damage warranty
- Unique parallelogram design and upper control arms improves durability; eliminates dock walk and is 23% more stable than competition
- One shock absorber per axle and patented bushing provides better fore/aft stiffness and eliminates roll steer
- PinLoc System improves safety with industry-exclusive angled pins, ensuring pin engagement even when not aligned with rail holes
- Exceptional protection against slider and trailer damage
- Easy, push-button air operation

RideSentry MPA Suspension Specifications			
Model	MPA20	MPA38	MPA40
Rating (Suspension & axle)	20,000 lbs.	38,000 lbs.	40,000 lbs.
Ride Heights inches	16.5, 17.5	16.5, 17.5, 18.5	16.5, 17.5, 18.5
System Weight lbs.	682	1,468	1,488
Attachment Methods	Parallelogram		
Brake/Wheel-end options	Variety of Meritor brakes and wheel-ends		





# MTA™ SUSPENSION



## Features

- Patented pivot bushing provides a soft ride, while minimizing roll steer better than leading competitors, longer tire life and better vehicle dynamics in cornering and lane-changing
- Heavy-duty, high-damping shocks give better overall suspension control with less vibration, to maintain a more consistent tire footprint for better braking and longer tire life
- Premium Meritor axle and brakes – the industry leader – proven durability, quality and performance
- Patent-pending axle connection with optimized design and welding contribute to the class-leading durability of the entire structure

**MTA Trailing Arm Suspension Specifications**

Model	MTA23T	MTA25T	MTA30T	MTA25L	MTA30L
Rating (Suspension & axle)	23,000 lbs.	25,000 lbs.	30,000 lbs.	4.095	4.59
Ride Heights inches	14, 15, 16, 17	14, 15, 16, 17	14, 15, 16, 17	6.5, 7.5, 9, 12, 14, 15, 16, 17, 19	9, 12, 14, 15, 16, 17, 19
Axle Wall Thickness inches	.5	.625	.75	.625	.75
System Weight	530	562	627	635	675
Attachement Methods	Weld-on and bolt-on				
Brake/Wheel-end options	Variety of Meritor brakes and wheel-ends				

# SUPPORT

## The Right Partner For the Job

Fleets, drivers and trucking industry experts trust Meritor. And for good reason. Meritor on-highway products provide unsurpassed performance, backed by industry-leading service and tech support.





### We're Behind You All the Way

It takes strong partnerships to make a business run smoothly. You can count on DriveForce™—Meritor's field support team—to keep moving your operation forward. DriveForce team members are equipped to help you in all facets of commercial vehicle operations. With more than 110 field representatives in North America, DriveForce's coverage is one of the most extensive in the commercial vehicle industry. To locate your DriveForce representative, visit [meritor.com/driveforce](http://meritor.com/driveforce).



### Your Training Resource

The Meritor BullPen is a convenient web portal designed for dealers, fleets and service garages to access Meritor's product information and receive online training at one central location. The BullPen includes more than 1,000 items including product presentations, sales literature, product videos and photos, service bulletins, web training courses and parts books. Register for courses at [meritorbullpen.com](http://meritorbullpen.com).



### Help is A Phone Call Away

The OnTrac team is equipped with expert service professionals who will help you with troubleshooting and handling warranty issues, such as validating coverage, opening a new claim, following-up on an ongoing claim, or closing an existing claim. Call **1-866-668-7221** (OnTrac1) for assistance with diagnostics, repair and warranty solutions. OnTrac offers extended hours for your convenience – the team is standing by 8am-8pm EST Monday-Friday and 9am-6pm Saturday.



### Digital Support Tools

The Meritor Mobile app for iPad is Meritor's sales & marketing communication and product information tool for commercial vehicle sales and service professionals. For online access to our latest product, technical and training information, visit the Meritor Literature on Demand site at [meritor.com/lod](http://meritor.com/lod). The Meritor On the Move Dealer Loyalty Program (MOTM) rewards participants for specifying/ordering qualifying Meritor and Meritor WABCO products on new Class 8 trucks and trailers. More at [meritorbullpen.com](http://meritorbullpen.com).



Meritor Heavy Vehicle Systems, LLC  
2135 West Maple Road  
Troy, Michigan 48064 USA

Call 1-866-668-7221  
or visit [meritor.com](http://meritor.com).

©2015 Meritor, Inc.  
Litho in USA  
Revised 10-15  
SP-15122