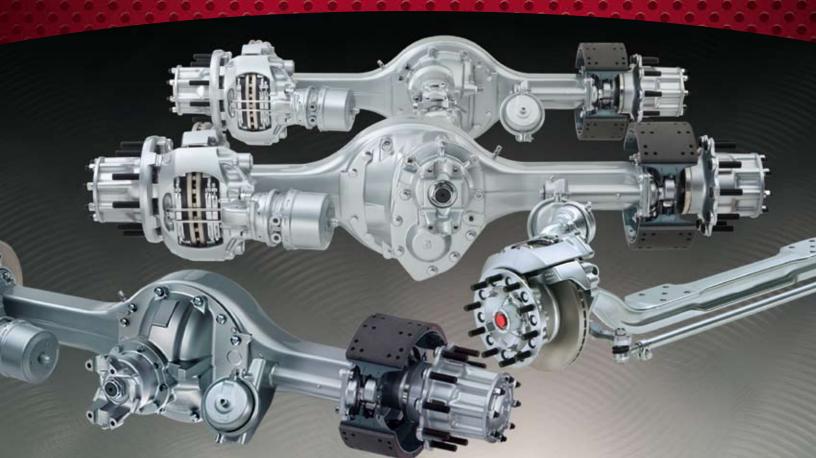


MERITOR® ON-HIGHWAY AXLES



Meritor[®] On-Highway Axles

The Highway Is Long. Our History Of Innovation Is Longer.

For on-highway operations like truckload, less-than-truckload, distribution and leasing, you need components that can take whatever the road dishes out. Mile after mile, year in and year out.



As the world's largest independent manufacturer of commercial truck axles for a broad range of vehicle applications, Meritor axles deliver the performance, reliability and efficiency that today's fleets and end users demand. Plus reduced maintenance and operating costs. A Proud Century Of Axle Heritage.

ArvinMeritor's "100-Year Heritage of Forward Thinking" has produced unsurpassed leadership in the design, engineering and manufacturing of axles for the global transportation industry.

Today we are recognized as the global axle leader across all markets from light to heavy to severe duty. We offer the broadest range of axles that provide our customers with proven axle technology innovations.

Axle Technology Heritage.

Our longevity is based on a rich heritage of product performance, customer service and engineering expertise in axle and gearing technology. Nobody does it better.

We've mastered the combination of leadingedge engineering, advanced gear-cutting, component durability and lightweight materials to support virtually every on-highway application.



Axle Manufacturing Processes And Global Locations.

Our engineering capabilities and manufacturing facilities reach from Asia and the Pacific Rim to Australia to Europe to North America and South America. We are proud of our proven success in global platform design. Our manufacturing capabilities are supported by six Global Engineering Centers of Excellence, with an electronically linked infrastructure for knowledge sharing and process collaboration.

Our Axle And Braking System Families Are World Leaders.

ArvinMeritor is recognized throughout the industry for being a world leader in both the axle and braking system categories. Our company has provided many game-changing axle and braking technology innovations, and we continue to lead the way in product performance, customer service and engineering expertise. **Everything You Need To Stay Ahead.**

Our full line of front, tandem and single rear on-highway axles features forward-thinking innovations designed to give you a true competitive edge. And all are backed by industry-leading service and support and comprehensive warranty coverage. No other axle supplier delivers such a complete solution to keep your operation moving forward.

All The Details You Need.

Following are complete specifications and benefits for all of our front, single rear and tandem on-highway axle models.

Meritor[®] Front Non-Drive Steer Axles.

Proven Meritor axle leadership has resulted in a broad range of front non-drive steer axles that combine unsurpassed steering control, durability and low maintenance. Everything you need to keep your business moving in the right direction.



Meritor Front Non-Drive Steer Axles

Features/Options	Performance Benefits					
Offers up to a 55-degree turn-angle capability	Unsurpassed maneuverability and vehicle stability					
Unique Easy Steer [™] bushing technology	Reduces steering effort and increases axle life					
Combination of Meritor Easy Steer king pin bushings, computer-designed and optimized I-beam construction and stiff axle assembly	Delivers tight, 50-degree turning radius, superior vehicle control and longer tire life					
Special low-friction bushings, double draw keys and integral thrust bearing and seal designs	Combine durability, low maintenance and ease of service					
Wide range of lightweight, full-strength steer axle assemblies for a variety of wheel base lengths, front axle tracks and turn angles	Allows customization for specific applications and superior OEM packaging flexibility					
Optional unitized hub with preassembled hub, bearings and seals	Maximizes assembly efficiency for vehicle OEMs					
Meritor double drop axles feature a large-diameter, heat-treated king pin	Delivers greater durability and longer life					

Meritor[®] Front Non-Drive Steer Axles

Front Non-Drive Steer Axle Specifications

Ratings Pounds (kg)	Axie Model	Axle Beam Drop Inches (mm)	(KPI) King Pin Intersection Inches (mm)	Wheel-End Series	Applications
	FD-961	2.50.(00.0)	C0 (1 750 C)		HS
10,000	FD-965	3.50 (88.9)	69 (1,752.6)		GS, HS
(4,540)	MFS-10-143A-N	3.74 (95.0)			GS, HS, LH
	MFS-10-144A-N	5.00 (127.0)	74 5 (1.010.1)	A	GS, HS, LH
	MFS-12-143A-N	3.74 (95.0)	71.5 (1,816.1)		GS, HS, LH
	MFS-12-144A-N	5.00 (127.0)			GS, HS, LH
12,000	FF-941	3.50 (88.9)			HS, RS
(5,448)	FF-943	5.00 (127.0)			HS, RS
	FF-961	3.50 (88.9)			HS, RS
	FF-966	3.5/2.0	69 (1,752.6)		HS, RS
	FF-967	(88.9/51.0)			GS, HS
	FF-942	3.50 (88.9)			GS, HS
13,200 (5,993)	FF-944	5.00 (127.0)			GS, HS
(3,333)	MFS-13-143A-N	3.74 (95.0)	74 5 (4 04 0 4)		LH, RS
	MFS-13-144A-N	5.00 (127.0)	71.5 (1,816.1)		LH, RS
14,600	FG-941	3.50 (88.9)	00 (4 750 0)		GS, HS, LH, RS
(6,622)	FG-943	5.00 (127.0)	69 (1,752.6)		GS, HS, LH, RS

	Applications Key							
GS – General Service HS – Heavy Service	LH – Linehaul RS – Restricted Service	See Applications section for specific vehicle references. Refer to publication TP7824 for complete axle specification details.						

Meritor® Single Rear Axles.

At ArvinMeritor, we're dedicated to rear axle solutions that enhance mobility to give our customers the leading edge. Our single rear axles deliver a unique combination of precision engineering, component durability and lightweight options to meet the demands of diverse customer applications.



Meritor Single Rear Axles

Features/Options

Performance Benefits

Proven, robust designs combined with high-strength engineered materials	Provide superior performance and proven durability across many different applications
Matched gearing and axle shaft design	Delivers cost-effective, dependable operation
Precision-forged differential gears	Provide maximum strength and shock resistance
Wide range of axle configurations and various housing bowl positions	Allows customization to applications and superior OEM packaging flexibility
Widest range of gear ratios available	Enables users to choose axles suited to their needs for fuel economy, greater torque or maximum traction
High-quality, versatile components	Ensure quiet operation and ease of serviceability
Rigid differential cases	Support precise gear alignment and durability
Hypoid-Generoid [™] gearing options	Provide long life and increased durability
Lightweight aluminum carrier casting options	Deliver additional payload capacity and fuel economy
Optional Driver-Controlled Differential Lock (DCDL)	Provides maximum traction and spinout protection under slippery conditions

Meritor[®] Single Rear Axles

Hypoid Single-Reduction Axle Specifications

Ratings Pounds (kg)	Axle Model	GCW Hi Pounds Max. 3% Grade (Turnpike)	· ·	Standard Ratios (High/Low Range)	Ring Gear Size (Pitch Diameter) Inches (mm)	Axle Shaft Spline Size Inches (mm)	Body Diameter Inches (mm)	Housing Box Size Inches (mm)	Wall Thickness at Spring Seat Inches (mm)	Wheel- End Series	Applications																								
	MS-21-144MA-N			2.64, 2.79, 3.08, 3.36, 3.55, 3.70, 3.90, 4.11							GS, HS, LH																								
	RS-21-145	· · ·	60,000 (27,240)	2.64, 2.79, 2.93, 3.07, 3.21, 3.42, 3.58, 3.73, 3.90, 4.11, 4.33, 4.63,	15.31 (388.9)		eth 2.00 (50.8)		0.43 (11.0)	R	GS, HS, LH																								
21,000 (9,534)	RS-21-145A			4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17		(3)		0.56 (14.3) Wide Track		GS, HS, LH																									
	RS-21-160			3.07, 3.21, 3.42, 3.58, 3.73, 3.91, 4.10, 4.30, 4.56, 4.89, 5.38, 5.63, 6.14, 6.43, 6.83, 7.17	18.00 (457.2)			5.25 x 4.62		R	GS, HS, LH																								
	RS-23-160	127,000 (57,658)	100,000 (45,400)	$\begin{array}{c} 2.50, 2.80, 2.93, 3.07,\\ 3.21, 3.42, 3.58, 3.73,\\ 3.91, 4.10, 4.30, 4.56,\\ 4.89, 5.38, 5.63, 6.14,\\ 6.43, 6.83, 7.17 \end{array}$																										2.35 (59.7)	2.25	(134 x 117)	0.43 (11.0) 0.63 (16.0)	R	GS, HS, LH
23,000 (10,433)	RH-23-160			$\begin{array}{c} 3.07, 3.21, 3.42, 3.58,\\ 3.73, 3.91, 4.10, 4.30,\\ 4.56, 4.89, 5.38, 5.63,\\ 6.14, 6.43, 6.83, 7.17 \end{array}$		46 Teeth	(57.2)		Wide Track	R	GS, HS																								
	RS-23-186	140,000 (63,560)	125,000 (56,750)	2.93, 3.07, 3.21, 3.42, 3.58, 3.73, 3.91, 4.10, 4.30, 4.56, 4.89, 5.13, 5.38, 5.63, 5.86, 6.14, 6.83, 7.17	19.62 (498.3)				0.50 (12.7)	R	GS, HS, LH, RS																								

	Applications Key GS – General Service LH – Linehaul See Applications section for specific vehicle references. Refer						
GS – General Service HS – Heavy Service	LH – Linehaul RS – Restricted Service	See Applications section for specific vehicle references. Refer to publication TP7824 for complete axle specification details.					

Meritor® Tandem Axles.

14X Exclusive

For many applications, nothing less than a tandem axle will survive. And Meritor tandems not only survive, but also thrive on the toughest, meanest, most demanding jobs. Year after year, Meritor tandems – including the evolutionary 14X – keep delivering the performance. And the goods. With legendary durability. Plus reduced maintenance and operating costs.



Meritor Tandem Axles

Features/Options	Performance Benefits
More robust Inter-Axle Differential (IAD)	20% larger than the competition's and with fewer parts; torque capacity up to 2050 lb. ft. in certain applications; improved pinion, differential and needle bearing design provide longer life and increased reliability
Premium Amboid [™] design now standard	Reduces inter-axle driveline U-joint angularity; less vibration and increased ride quality and overall component life
The most complete range of ratios in the industry	New 2.47 – the fastest axle ratio in the industry and the most efficient solution for direct drive customers; 2.47-7.17 – widest ratio range to match specific engine manufacturer's recommendations
Broad range of gear ratios available	Enables end users to choose axles tailored to their needs, whether it be improved fuel economy, greater torque or maximum traction
High-torque gear design	Provides smoother and quieter operation, greater torque capacity and longer component life
Rugged single-piece carrier design	Supports precise gear alignment
Meritor spindle design	Central Tire Inflation (CTI), system-ready
Amboid gearing options	Minimize driveline angles for increased durability and improved ride quality, and longer overall component life
Optional aluminum rear/rear carrier and SteelLite X30 [™] brake drum options	Reduce weight to deliver additional payload capacity and greater fuel economy
Lowest-maintenance tandem design available	Extends range up to 500,000 miles between lube changes
Anti-lock braking system (ABS) and Automatic Traction Control (ATC) options	Provide greater braking control, shorter stopping distances and improved traction for both starting and higher-speed driveability
Optional Driver-Controlled Differential Lock (DCDL)	Provides maximum traction and spinout protection under slippery conditions

Meritor® Tandem Axles

Hypoid Single-Reduction Axle Specifications

Ratings Pounds (kg)	Axie Model		lighway is (kg) Max. 8% Grade (Paved)	Standard Ratios (High/Low Range)	Ring Gear Size (Pitch Diameter) Inches (mm)	Axle Shaft Spline Size Inches (mm)	Body Diameter Inches (mm)	Housing Box Size Inches (mm)	Wall Thickness at Spring Seat Inches (mm)	Wheel- End Series	Applications															
	RT-34-144			2.64, 2.79, 2.93, 3.07, 3.21, 3.42, 3.58, 3.73, 3.90, 4.11, 4.33, 4.63, Optional Ratios Available			1.88 (47.8) 2.00 (50.8)	5.25 x 4.62 (134 x 117)	0.37 (9.5) 0.56 (14.3) Wide Track 0.37 (9.5) Std/DualTrac™ 0.43 (11.0) Std/DualTrac 0.56 (14.3) Wide Track 0.37 (9.5) Std/DualTrac 0.43 (11.0) Std/DualTrac 0.50 (12.7) Standard Track 0.56 (14.3) Wide Track		GS, HS, LH															
	RT-34-144P										GS, HS, LH															
34,000 (15,436)	RT-34-144A (Aluminum Carriers)	80,000 (36,320)	80,000 (36,320)	2.79, 2.93, 3.07, 3.21, 3.42, 3.58, 3.73, 3.90, 4.11, 4.33, 4.63, Optional Ratios Available							GS, HS, LH															
	MT-34-14X			2.47, 2.64, 3.08, 3.25, 3.36, 3.55, 3.70, 3.90, 4.11, Optional Ratios Available*							GS, HS, LH															
	MT-40-14X			2.47, 2.64, 3.08, 3.25, 3.36, 3.55, 3.70, 3.90, 4.11, 4.33, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17*	15.31 (388.9)	2.10 (53.3) 41 Teeth		5.28 x 4.61 (134 x 117)			GS, HS, LH															
	RT-40-145			2.64, 2.79, 2.93, 3.07, 3.21,					0.37 (9.5),		GS, HS, LH															
	RT-40-145P	145,000	125,000 (56,750)	614 643 683 / 1/				0.43 (11.0) Required for		GS, HS, LH																
40,000	RT-40-145A (Aluminum Carriers)	(00,000)		2.64, 2.79, 2.93, 3.07, 3.21, 3.42, 3.58, 3.73, 3.90, 4.11, 4.33, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17				5.25 x 4.62	Some Air Suspension, 0.56 (14.3) Wide Track		GS, HS, LH															
(18,160)	MT-40-143-MA-N*			2 64 2 26 2 55 2 70			1.88 (47.8)		0.37 (9.5)		GS, HS, LH															
	MT-40-144MA-N			2.64, 3.36, 3.55, 3.70					0.43 (11.0)		GS, HS, LH															
	RT-40-160						5.25 X 4.62 (134 x 117)			GS, HS, LH																
									0.43 (11.0) 0.63 (16.0)		GS, HS, LH															
	RT-40-160A (Aluminum Rear Carrier)	185,000 (83,990)	160,000 (72,640)									· · ·		· ·					4 30 4 56 4 89 5 38 5 63	18.00 (457.2)	2.35 (59.7) 46 Teeth	2.25 (57.2)		Wide Track Only Available as RT-46-164 Series	-	GS, LH GS, LH
	RT-40-160P										GS, LH															
	RT-44-145			3.42, 3.58, 3.73, 3.90, 4.11,							HS															
44,000	RT-44-145P	Not Rated	68,000 (30,872)	4.33, 4.63, 4.88, 5.29, 5.86	15.31	2.10 (53.3)	2.00 (50.8)		0.50 (12.7) Standard Track		HS															
(19,976)	MT-44-14X		GVWR Only		GVWR	3.90, 4.11, 4.33, 4.63, 4.88, 5.29, 5.86 Available In Hypoid Ratios Only	(388.9)	41 Teeth	2.00 (00.0)	5.28 x 4.61 (134 x 117)	0.56 (14.3) Wide Track		HS													
46,000 (20,884)	RT-46-160P		35,000 160,000 3.42 3 990) (72 640) 4.30							0.50 (12.7)		GS, LH, RS														
	RT-46-160A (Aluminum Rear Carrier)					160,000	160,000					3.42, 3.58, 3.73, 3.91, 4.10, 4.30, 4.56, 4.89, 5.38, 5.63, 6.14, 6.43, 6.83, 7.17	18.00 (457.2)	2.35 (59.7) 46 Teeth	2.25 (57.2)	5.25 x 4.62 (134 x 117)	0.63 (16.0) Wide Track Only Available as RT-46-164 Series		GS, LH, RS							
	RT-46-164EH								0.63 (16.0)		GS, LH, RS															
	RT-46-164P										GS, LH, RS															

* Ratios: 2.47-4.11 – Amboid[™]; 2.64-7.17 Hypoid

Applications Key

GS – General Service HS – Heavy Service LH – Linehaul RS – Restricted Service See Applications section for specific vehicle references. Refer to publication TP7824 for complete axle specification details. Meritor Axle Warranty Coverage.

All Meritor axles are backed by ArvinMeritor's industry-competitive warranty. And every claim is fully supported by our industry-leading online warranty claims system. For complete details, see arvinmeritor.com and download a copy of our current warranty brochure (SP-95155).



Advantage Plans.

The ideal complement to our warranty, the Advantage Plans offer a simple and economical way to get the long-term axle coverage you need. The Advantage Plans offer coverage up to 7 Years in linehaul applications, with the added benefit of being transferable when the original owner sells the truck.

With our Advantage Plans, you can get extended service coverage on linehaul axles for up to 7 Years and/or 1,000,000 Miles – longer than ever before – and up to 5 Years for general service and heavy service applications.



Global Customer Support.

Our representatives have the experience, the expertise and the global support network needed to provide you with unsurpassed assistance when specifying axle systems and components.

With unmatched consultation and follow-through, we can provide you with the guidance needed to optimize your spec based on your equipment, duty cycle, operating environment and operational goals.

Every Meritor axle receives unsurpassed global service and support, with distribution centers strategically located to reduce downtime and provide timely and complete aftermarket support.

Total Axle Solutions From The Worldwide Axle Leader.

Meritor is the name fleet owners and end users trust more than any other for comprehensive axle solutions. And for good reason. Through continuous innovation and forward thinking, Meritor axles lead the way in reliability, durability and operating efficiency – giving you the performance edge you need to stay ahead. For details on our heavyduty vocational axles, see the Meritor Heavy-Duty Vocational Axles brochure (SP-09150).

For more information, call 800-535-5560 or visit arvinmeritor.com today.

Applications

Linehaul Vehicles:

- Auto Hauler
- Bulk Hauler
- Chip Hauler*
- · Doubles
- * Chip Hauler vehicles require specific axle models and linehaul conditions to be eligible for linehaul warranty consideration.



Aerial Ladder Truck

General Service Vehicles:

- Aerial Platform
- Ambulance
- · Auto Hauler
- Beverage Truck
- Chip Hauler
- Cross-Country Coach
- Flatbed

Heavy Service Vehicles:

- Airport Rescue Fire (ARF)
- Airport Shuttle
- Asphalt Truck
- Block Truck
- Bottom Dump Trailer Combination
- Cementing Vehicle
- City Bus
- Commercial Pickup
- Concrete Pumper
- Construction Material Hauler
- Crash Fire Rescue (CFR)
- Mixer
- Demolition
- Drill Rig
- Dump

- General Freight
- Intercity Coach
- Intermodal Chassis

Flatbed Trailer Hauler

Geophysical Exploration

Hopper Trailer Combinations

Flatbed Truck

Front Loader

Log Hauling

Lowboy

Hauler

Hauler

Fracturing Truck

Landscaping Truck

Michigan Special

Michigan Special Log

Michigan Special Steel

Gravel Trains

· Liquid Waste Hauler

- Livestock Hauler
- Meat Packer

Chassis

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Flatbed

General Freight

Grain Hauler

- · Pick Up and Delivery
- · Pipe Hauler
- Platform Auto Hauler
- Pumper
- Rear Engine Integral Coach

- Recreational Vehicles
- Refrigerated Truck
- · School Bus
- Stake Truck
- Tanker

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Tanker

Triples

Refrigerated Freight

- Tanker Truck
- Tour Bus
- Wrecker
- Michigan Special Waste Emergency Service Vehicle Equipment Hauling
 - Municipal Dump
 - Rapid Intervention Vehicle (RIV)
 - Rear Loader
 - Recycling Truck
 - Residential Pickup
 - Rigging Truck
 - ・Roll-Off
 - Scrap Truck
 - Semi-End Dump
 - Sewer/Septic Vacuum
 - Shuttle Bus
 - Snowplow/Snowblower
 - Steel Hauling
- Yard Jockey

Port Tractor

Restricted Service Vehicles:

· Load-On/Load-Off

- Rail Yard Spotter
- · Roll-On/Roll-Off

- Front-Engine Commercial Moving Van Municipal Truck Front-Engine Integral Coach Newspaper Delivery

· Livestock Hauler

Moving Van

Pipe Hauler

- Tanker
- Tank Truck
- Tractors with Pole Trailers
- Tractor/Trailer with Jeeps
- Transfer Dump
- Transfer Vehicle
- Transit Bus
- Trolley
- Utility Truck
- Winch Truck

- - Stevedoring Tractor
 - Trailer Spotter

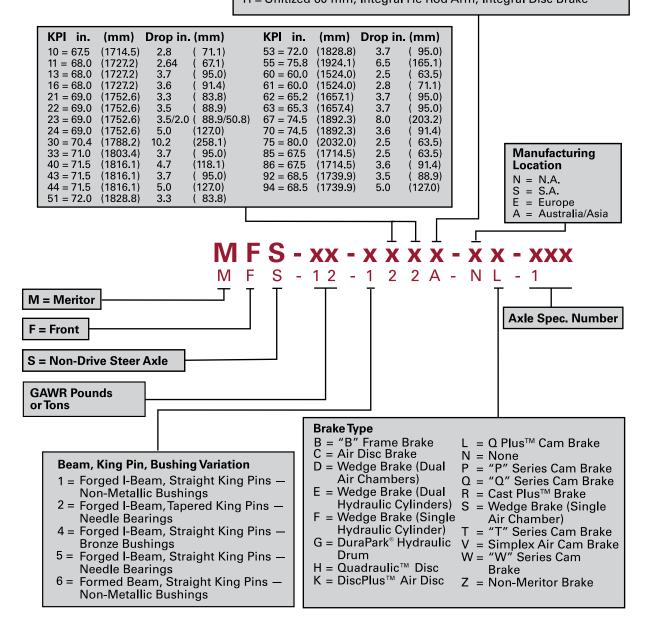
- · Side Loader

New Front Non-Drive Axle Model Nomenclature

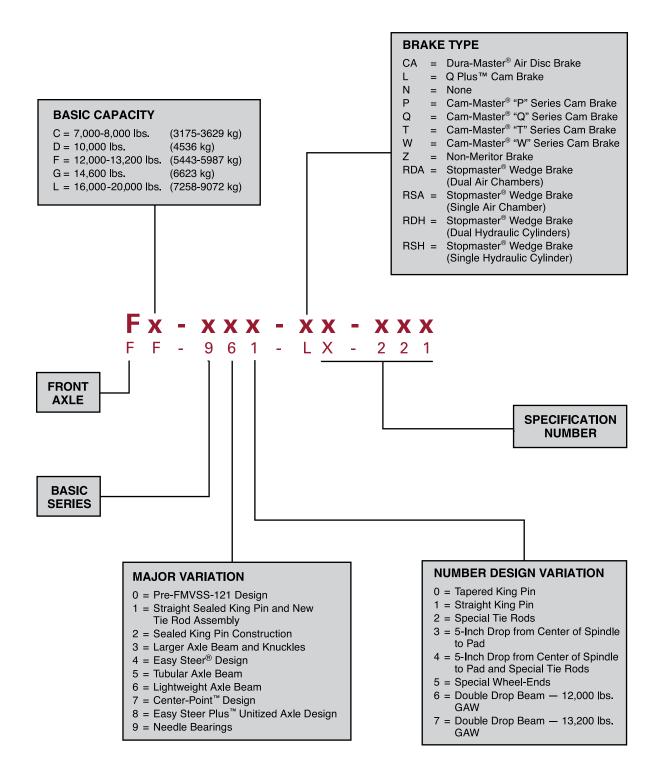
Hub, Tie Rod Arm, Brake Attachment Variation

A = Conventional, Non-Integral Tie Rod Arm, Non-Integral Brake

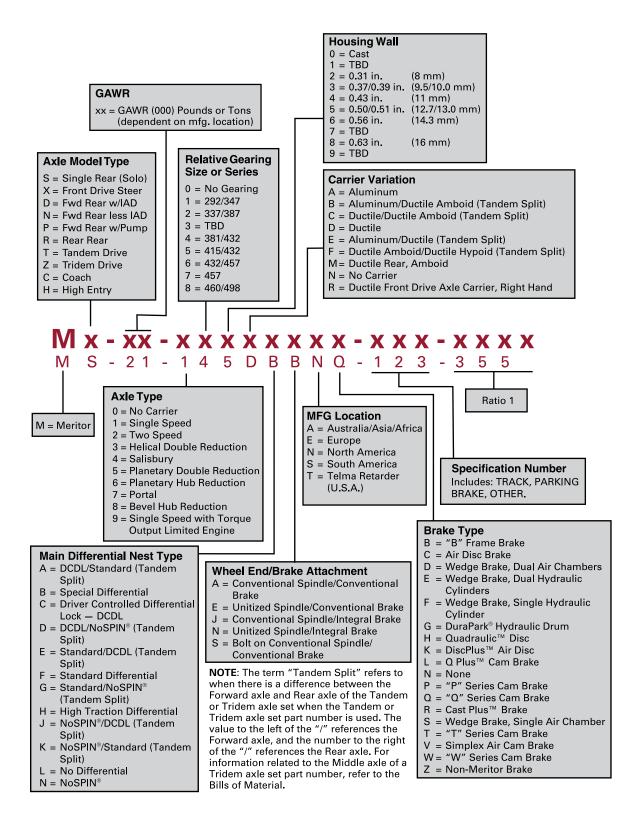
- B = Conventional, Integral Tie Rod Arm, Non-Integral Brake
- C = Conventional, Integral Tie Rod Arm, Integral Disc Brake
- D = Unitized 65 mm, Integral Tie Rod Arm, Integral Drum Brake
- E = Conventional, Integral Tie Rod Arm, Integral Drum Brake
 - F = Unitized 60 mm, Non-Integral Tie Rod Arm, Non-Integral Brake
- G = Unitized 60 mm, Integral Tie Rod Arm, Integral Drum Brake H = Unitized 60 mm, Integral Tie Rod Arm, Integral Disc Brake



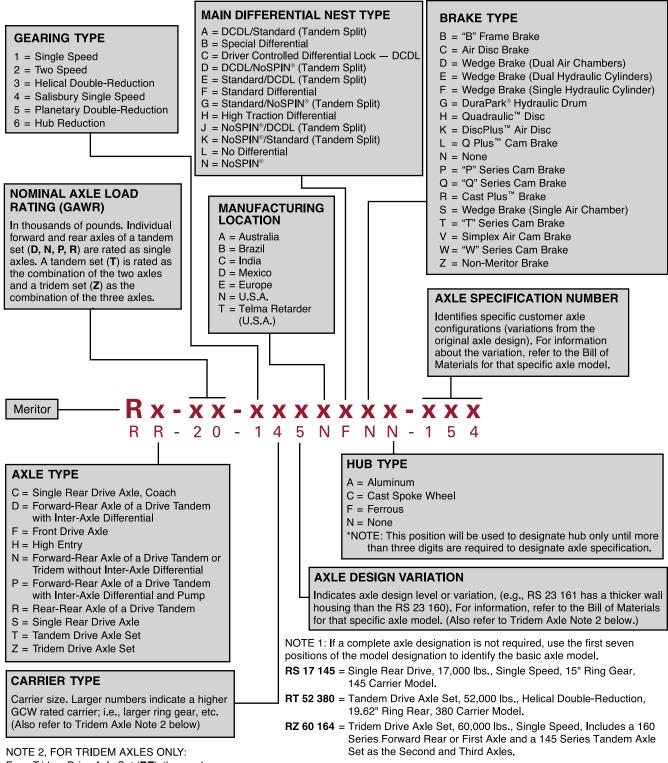
Current Non-Drive Axle Model Nomenclature



New Drive Axle Model Nomenclature



Current Drive Axle Model Nomenclature



For a Tridem Drive Axle Set (**RZ**), the number in the sixth position designates the carrier in the first axle. The number in the seventh position designates the carriers in the second and third axles.

NOTE 3: The term "Tandem Split" refers to when there is a difference between the Forward axle and Rear axle of the Tandem or Tridem axle set when the Tandem or Tridem axle set part number is used. The value to the left of the "/" references the Forward axle, and the number to the right of the "/" references the Rear axle. For information related to the Middle axle of a Tridem axle set part number, refer to the Bills of Material.



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