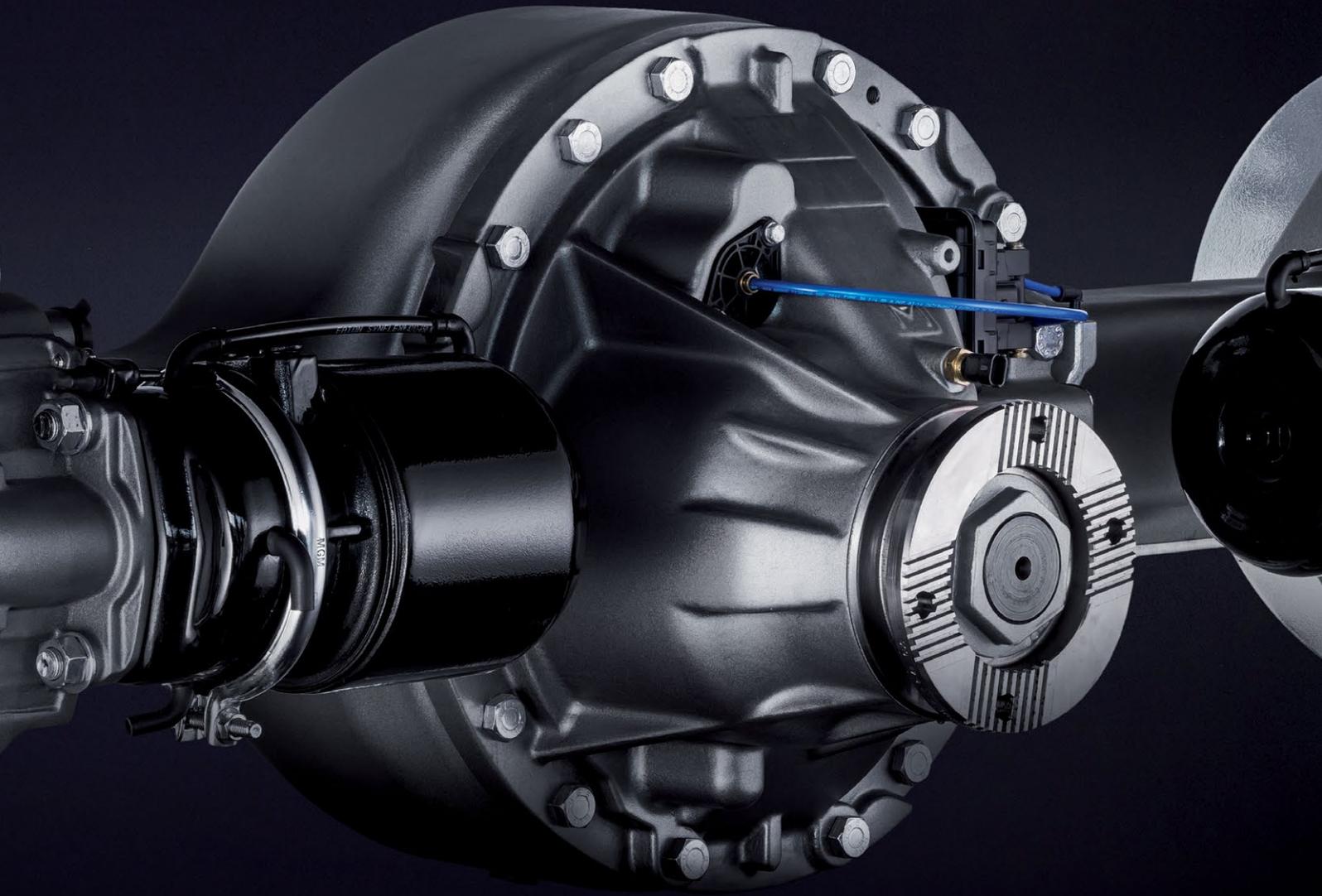
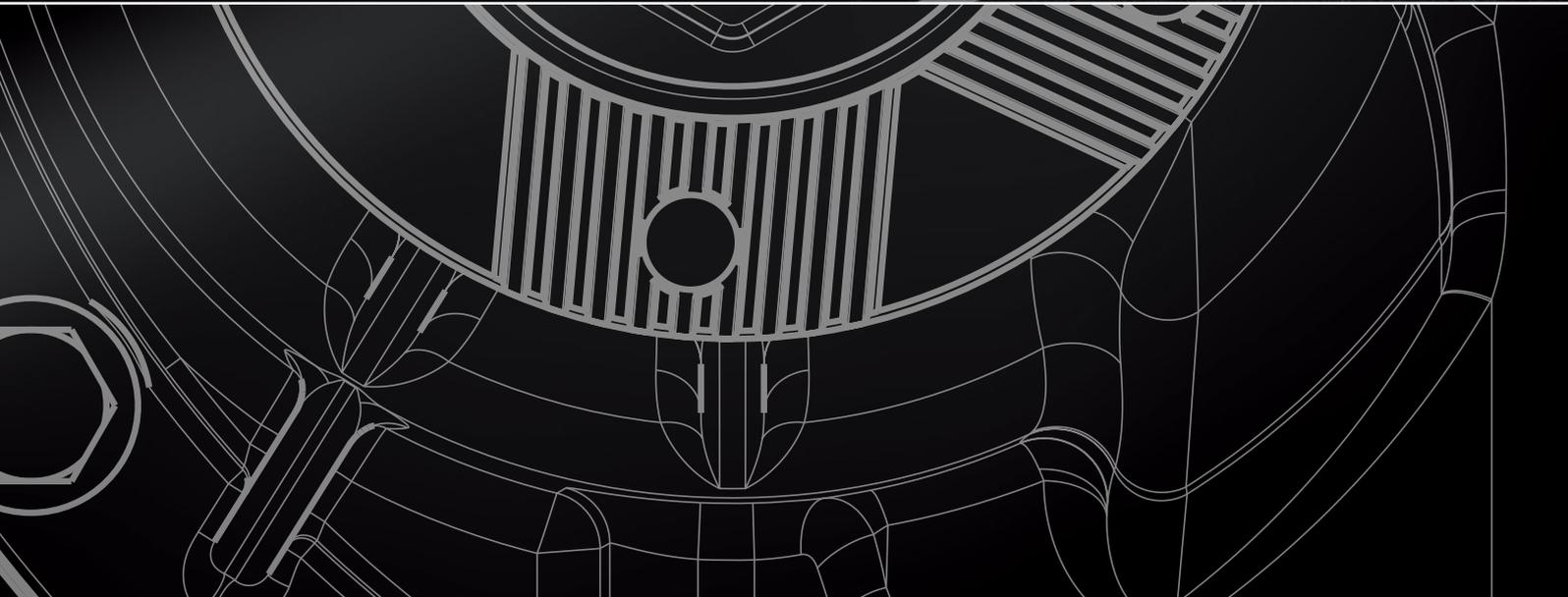
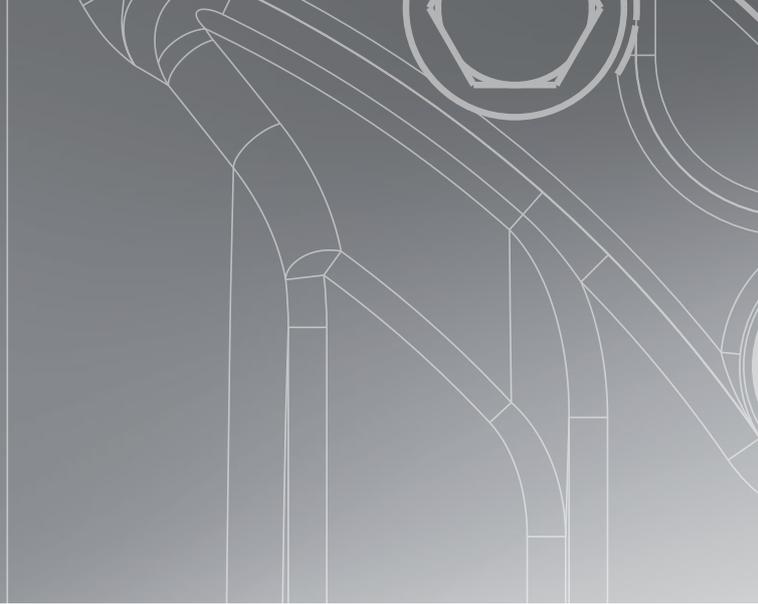


MERITOR® AXLES







MERITOR BUILDS AXLES ON PLATFORM OF EXCELLENCE

Meritor's work in Europe is an example of efficiency, performance and advanced engineering. We are one of the Continent's leading suppliers of axles to original equipment manufacturers.

The Cameri, Italy facility is Meritor's European headquarters and center of axle research and development. Its large technical lab includes a full range of test benches as well as VECTO efficiency testing equipment. Recent investments include a fully automated carrier assembly line and gear-cutting, as well as housing machining and hard-turning cells. In 2007, Cameri was Meritor's first plant to launch a laser-welding assembly line.

The Lindesberg, Sweden site has the company's most diversified manufacturing processes, ranging from precision forging to dressing axles. The plant's state-of-the-art equipment includes automated gear-cutting processes, laser-welding for carriers and single-hit forging.

Leading global vehicle manufacturers rely on Meritor's knowledge and experience to design and supply solutions for any application around the world – tailored to deliver optimum performance, reliability and cost of ownership.

On the operations side, Meritor's comprehensive portfolio allows OEMs and vehicle operators to work with one reliable and expert supplier for service, warranty and replacement parts needs.



AXLES

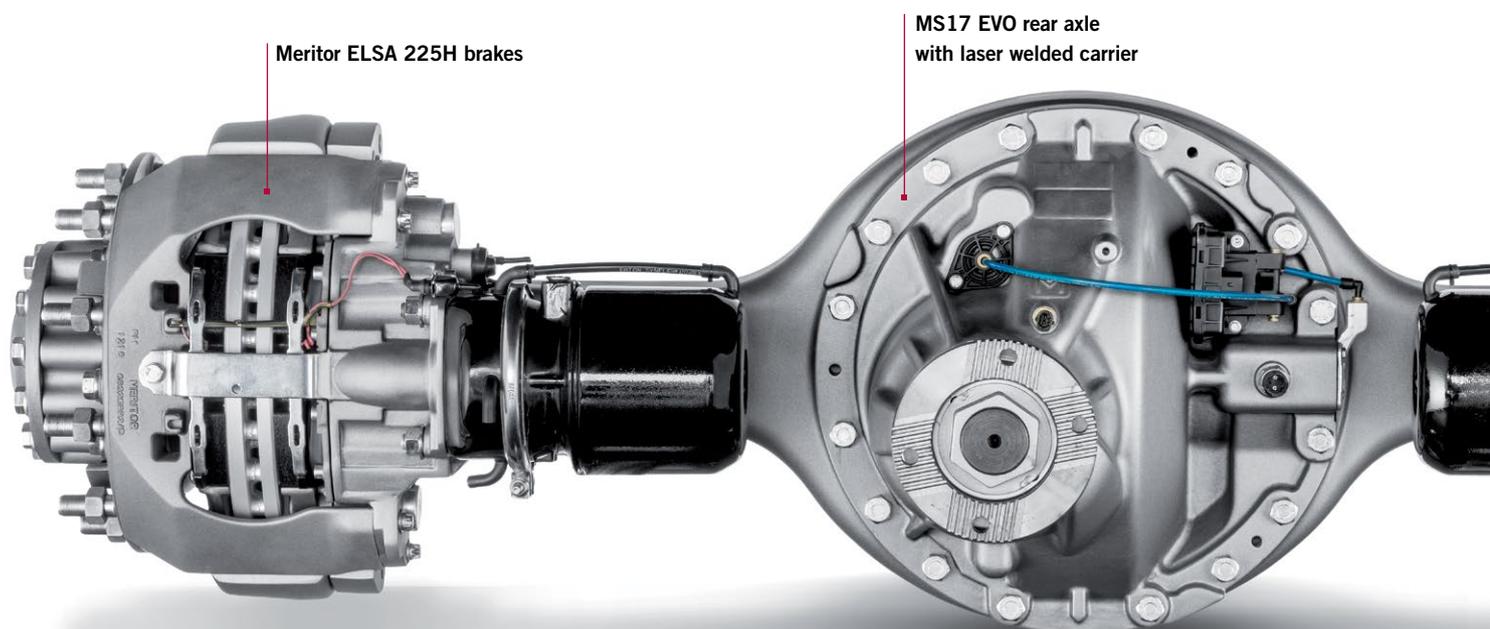
Since 1909, Meritor has been leading the heavy-duty axle market with reliable, long-life axles and advanced gearing technology. With nearly 100 years of axle-producing experience, Meritor is the world's largest independent manufacturer of heavy-duty truck axles for a range of vehicle applications. Products include front axles, single-rear, tandem-drive, tridem-drive and trailer axles. Meritor's complete family of products meets the steer, drive and trailer axle requirements of customers in multiple vocations. Additionally, all products are backed by excellent sales, service and support network.

Our complete European axle portfolio includes a wide range of light-, medium- and heavy-duty drive axles for commercial vehicles, trucks, buses, coaches and special vehicles between 3 to 18 tons gross axle weight (GAW) and from 9 to more than 300 tons gross combination weight (GCW).

Meritor components deliver proven reliability in meeting the extremes of operating conditions – from pickup and delivery commercial vehicle applications to high-speed, long-distance logistic operations.



MT150 detachable and liftable rear tandem axle

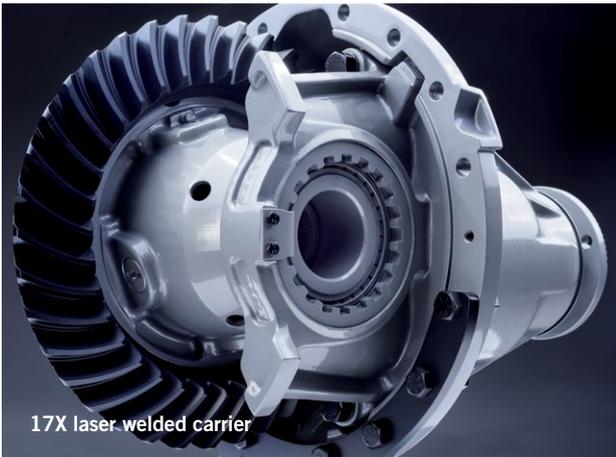


Meritor ELSA 225H brakes

MS17 EVO rear axle with laser welded carrier



Laser-welding process in Cameri



17X laser-welded carrier

CARRIERS

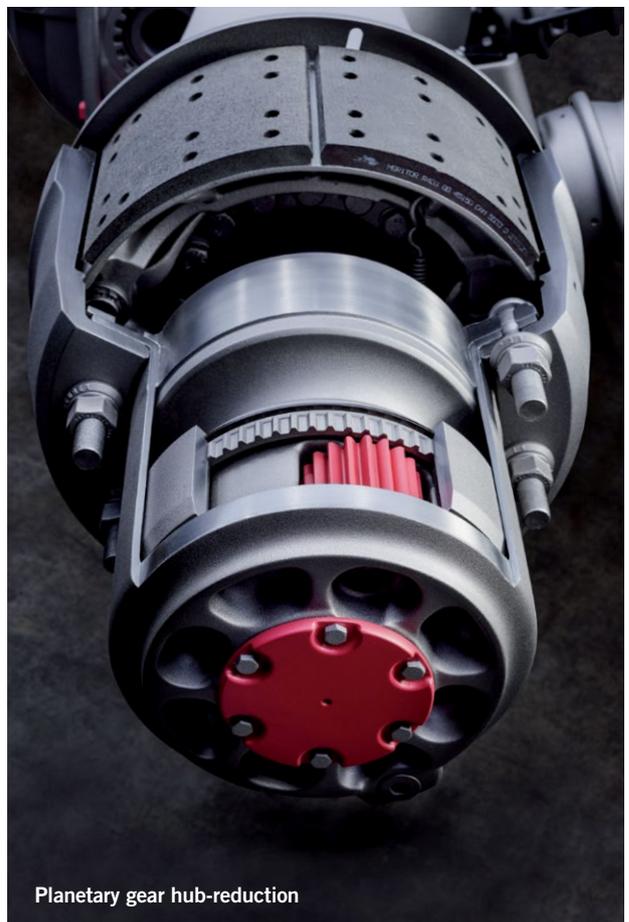
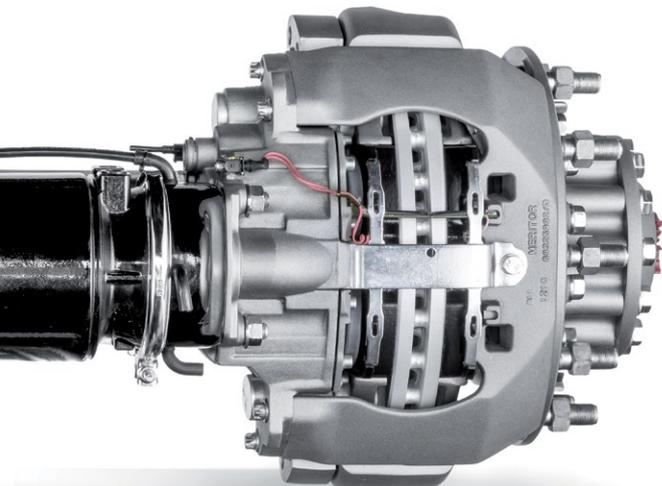
Meritor carriers are the heart of every Meritor driven axle. The gearing ensures superior power density and very high efficiency up to 98 percent. Available in a wide ratio band, our carriers can be matched perfectly to the mission of final users, ensuring optimized fuel consumption and long oil drain intervals to reduce total cost of ownership. For tandem installation, detachable versions are available, while for bus applications noise sensitive gears can be included.

High-strength materials and precision-forged differential gears offer maximum strength and shock resistance to deliver performance and durability across many different applications.

Meritor uses industry-leading laser welding on its main long-haul carriers to join the axle's drive gears with differentials, delivering high torque and ensuring the gears mesh better for a 30-percent increase in durability and reduced oil splash.

WHEEL ENDS

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



Planetary gear hub-reduction

LINE-UP

AXLE MODEL	AXLE TYPE	IDEAL APPLICATIONS	AXLES HOUSING	GAW (in Ton)	GCW (in Ton) **	
MX610	Front drive steer	All wheel drive specialty	Cast	13 - 14	70	
MS10	Single rear drive	Light commercial vehicles	Fabricated	3 - 5	9	
MS11	Single rear drive	Light commercial vehicles	Fabricated / cast	6 - 9	9 - 13	
MS12	Single rear drive	Medium duty trucks	Fabricated	6 - 9	18 - 19	
MS13 NA	Single rear drive	Medium duty trucks	Fabricated / cast	8 - 9,5	18,5	
MS14	Single rear drive	Medium duty truck, bus and coach	Fabricated / cast	9 - 10,5	26	
MS15	Single rear drive	Medium / heavy duty trucks	Fabricated / cast	11 - 13	32,5 - 36	
MS17	Single rear drive	Heavy duty trucks	Fabricated / cast	11 - 13	44 - 50	
MS17 EVO	Single rear drive	Heavy duty trucks	Fabricated / cast	11 - 13	44 - 50	
MC17 EVO	Single rear drive	Bus & coach	Cast	11 - 13	30	
MS18	Single rear drive	Heavy duty trucks	Fabricated / cast	13	60	
MS610	Single rear drive	Specialty	Cast	13	70	
MT150*	Tandem rear drive	Long haul, specialty	Fabricated / cast	23 - 26	70	
MT26-610	Tandem rear drive	Heavy duty trucks	Cast	26	100	
MT32-610	Tandem rear drive	Heavy duty trucks	Cast	32	120	
MT36-610	Tandem rear drive	Specialty	Cast	36	120	
MT40-610	Tandem rear drive	Specialty	Cast	40	120	
MZ610	Tridem rear drive	Specialty	Cast	39 - 60	210	

* Detachable version available

** Final value depending on customer application

FEATURES AND BENEFITS

- High- to ultra-high efficiency (up to 98 percent) and power density, ensuring lower fuel consumption
- Extended oil change intervals reduce maintenance cost, extend uptime and increase environmental impact
- Wide choice of gear ratios, including superfast ratios for downspeeding and options for OEMs to choose axles that improve fuel economy, torque or traction
- Wide range of axle configurations and various housing bowl positions offer customization for applications and superior OEM packaging flexibility
- Proven, robust lightweight designs combined with high-strength engineered materials deliver superior performance and proven durability across multiple different applications

	AVAILABLE REDUCTION RATIOS	DCDL (Driver-controlled differential lock)	IAD (Inter-axle differential)	REDUCTION TYPE	WHEEL-END GEARING	STANDARD HOUSING SIZE (in mm)	STANDARD RING GEAR DIAMETER (in mm)
	3,46 - 7,21	Curvic	NA	Hub	3 planets	NA	295 - 300
	3,07 - 6,13	Not available	NA	Single	NA	100 x 90	267
	3,08 - 6,83	Not available	NA	Single	NA	108 x 97	305
	3,07 - 7,17	Spline	NA	Single	NA	108 x 97	337
	2,47 - 6,50	Not available	NA	Single	NA	134 x 117	355
	2,47 - 7,17	Spline	NA	Single	NA	134 x 117	389
	2,43 - 6,17	Curvic	NA	Single	NA	134 x 117	415
	3,70 - 6,17	Curvic	NA	Single	NA	134 x 117	457
	2,47 - 3,34	Curvic	NA	Single	NA	134 x 117	457
	2,64 - 6,17	Curvic	NA	Single	NA	134 x 117	457
	2,47 - 4,11	Curvic	NA	Single	NA	134 x 117	485
	3,46 - 7,21	Curvic	NA	Hub	4 planets	NA	295 - 300
	2,43 - 6,17	Curvic	Yes (50/50)	Single	NA	134 x 117	415
	3,33 - 7,21	Curvic	Yes (50/50)	Hub	3 or 4 planets	NA	295 - 300
	3,46 - 7,21	Curvic	Yes (50/50)	Hub	3 or 4 planets	NA	295 - 300
	3,46 - 7,21	Curvic	Yes (50/50)	Hub	4 planets	NA	295 - 300
	3,46 - 7,21	Curvic	Yes (50/50)	Hub	4 planets	NA	295 - 300
	4,11 - 7,21	Curvic	Yes (33/66)	Hub	4 planets	NA	295 - 300

- Robust Inter-axle differential (IAD) on all tandem and tridem combinations with improved pinion, differential and needle bearing design, extending life and increasing reliability
- Optional quiet ride gearing for bus and city applications

