

# Meritor Bulls Eye

February 2015

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## Product In Focus - **MERITOR** BRAKE SHOE KITS



### Original Equipment Performance

- Meritor is the World leader in Drum Brake Technology
- Over 2 million brake assemblies are supplied annually to Truck manufacturers worldwide.

### Quality Components

#### Brake Linings

- The MA312 and MA212 materials are best in class linings out performing FMVSS 121 standards.
- Offer best retardation ratio and superior Fade and recovery characteristics.

#### Brake Shoes

- Manufactured to OEM standards using premium grade steel for that precise balance between hardness and flexibility.
- Bake hardened cam and anchor ends to provide superior wear characteristics.

#### Hardware Kit

- Original hardware kit with every component having passed through a stringent PPAP process.
- All bolts are grade 8 and above.

#### Meritor Production Process

- 3 stage quality control.
- Periodic calibration of machines to maintain consistent rivet crimp tension.
- Every shoe is batch code for traceability.

### Top Selling Brake Shoe Kits

Application	MA312	MA212
Meritor Drive Q Plus	KSMA3124707QP	KSMA2124707QP
Meritor Drive Q	KSMA3124515Q	KSMA2124515Q
Meritor Drive P Severe Service	PKSMA3124515PSS	PKSMA2124515PSS
Fruehauf / SAF / TMC Quick Release	KSMA3124515F3	KSMA2124515F3

**What price have you put on stopping safely?**

**PROUDLY RIVETED IN AUSTRALIA** 

## New Products



Part Number	Description	List Price **
3206Q1499	Axle Shaft FE 1034mm 2.35"/60mm 46 TSpline	\$880.71
3206Y1923	Axle Shaft FE 899mm D55.5mm 59.69-46T SPL75mm	\$710.09
3206A1925	Axle Shaft FE 991mm D55.5mm 59.69-46T SPL235mm	\$739.66
3266S1033	Diff Lock End Cover	\$10.00
4X1740	Stud M16x68x2	\$11.11
A1228X596.M	Bearing Assembly Diff	\$348.28
A23200N2120	Carrier & Cap Assy 177E	\$2852.76
A3235Q2565.M	Diff Case Assy 167E	\$3372.18
MER0164	Wheel Seal Steer Axle FL941, MFS73	\$60.32
E713.M	Gearset MS17x 5.29 Ratio	\$5672.97
C13121V3532	Banjo Housing MC12175 Bus Application	\$7291.54
E397.M	Gear Set Kit 130E-R.614	\$4639.50
A3256F1228	Tool Bushing Installation MTA Series Suspension	\$5007.72
RRL20145293	Carrier New DCDL 140/5	##
RR20145293	Carrier New 140/5	##
PS401662	Yoke Shaft RPL20 Series	\$420.48
20RYSM40-53	Yoke Shaft RPL20 Series	\$1182.57
E-9526	Wheel Stud Webb M22x1.5" Thd 110mm Length	\$19.60
A1205U1685	Seal SP40	\$72.83
2210D7518F	Kit Camshaft	\$140.00
B983299Z6786	Bracket Assy Brake Chamber	\$150.72

All parts displayed above will be available for immediate ordering. Lead times may apply for some of the listed items. Not all parts are available to Independent Customers. Please contact Meritor Customer Service on (03) 8353 6050 for further information.

\*\*All list prices are correct at time of printing and subject to change.

## Please contact your local OE Dealer for pricing information.

## Supersessions



Old Part Number	Description	New Part Number	List Price **
E-6994A	Auto Slack Adjuster	E-6994B	\$224.56
A11228B1666	Bearing Inner Pinion	A1228G2217	\$410.48
MLF7186	Air Spring	MLF8186	\$407.64
S18121	Screw 1/2X1.5x20 Grd8/8.2	S18122	\$2.62
3235W2779	Diff Case Plain	3235V3012	\$181.23
CP25RPL	Uni Joint Permalube	CP25RPLS	\$439.65
E-04075H	Cap-Hub, Freuhauf suits Hubo	E-04975H	\$23.74
MLF7077	Air Spring Hendrickson	MLF807	\$433.46

For a full list of supersessions, please [Click Here](#)

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## Getting Technical



### Meritor Experts Offer Eight Tips to Improve Brake Performance

**1) Automatic Slack Adjusters (ASA):** Always troubleshoot brakes when the air chamber stroke exceeds the allowable limits. When you need to replace one automatic slack adjuster, replace **all** the ASAs on the same axle with components that meet the original spec. Mismatched brands can result in uneven brake wear, unbalanced braking and poor brake performance. Meritor automatic slack adjusters should not need to be manually adjusted in service to correct excessive push rod stroke. Excessive stroke may be an indication that a problem exists with the foundation brake, ASA, brake actuator or other system components. Meritor recommends that you troubleshoot the problem, replace suspect components, and confirm correct brake operation before returning the vehicle to service. Always use lubricants specified for brakes and ASA.

**2) Cam Brakes:** When you service cam brakes, take time to replace all the springs, anchor pins, bushings and rollers. This includes replacing the cam brake return springs each time cam brakes are relined. The return springs are critical to the alignment, the accurate return of the brake away from the drum, and brake adjustment with the ASA. Inspect the entire brake structure for wear, cracks or other damage. Replace damaged parts with new rather than welding or repairing. **Lubricate** the cam brake assembly as required.

**3) Valves:** When you replace the valves in your air brake system, the new valves should have the **same crack pressure** as those you're replacing. Why? Because replacing a valve with one that has a higher or lower crack pressure than the original valve can result in an unbalanced brake system and unacceptable lining and drum life.

**4) Replacement Linings:** Replace the linings on **all four** brakes of a tandem axle or at minimum both brakes of a single axle at the same time. Otherwise, you may experience brake balance problems. Plus, not replacing a unit's brake linings at the same time may contribute to uneven wear, reduced lining life, maintenance problems or drum-cracking.

Recommendation: **replace brakes as an axle set**, and do check the lining condition of the other axles.

**5) Drums:** In the brake drum market, there are two basic types: cast and composite, like the Meritor SteelLite X30. They differ in their abilities to absorb and dissipate heat. Using different weight, sizes or types of drums on the same axle could result in unbalanced braking and improper functioning of the automatic slack adjuster. The result will be poor brake performance due to uneven lining and drum wear.

## Getting Technical - cont'd



### Meritor Experts Offer Eight Tips to Improve Brake Performance

**6) Cam Heads:** All may look the same, but cam heads vary from one manufacturer to another. Some are engineered to provide constant lift while others promise constant torque. As with any brake component, use the proper replacement cam. Failure to do so can result in an unbalanced brake system and unacceptable lining and drum life.

**7) Cam Rollers:** Are they properly lubricated? The way to lubricate a cam roller is directly in the web roller pocket and not at the cam to roller contact area. If you do this correctly you'll avoid creating flat spots. These flat spots adversely affect the brake adjustment which may result in premature brake wear or reduced braking performance. The best time to change your cam rollers is when you reline. That will save you both time and money.

**8) Air Management System:** Maintaining dry and clean air supply is important to year-round performance of the air brake system. Regular inspection and check for water and contamination in the system reservoirs is a simple and effective way to keep an eye on the condition. In other words, if oil is observed, identify the source and make repairs as necessary. Check air compressor operation and governor settings by observing system pressure gauges while the air compressor is in operation and when the governor unloads. Replace air dryer desiccant cartridges and filters on a regular basis and use only OEM-approved service parts. For extra protection, consider converting to a dryer cartridge that incorporates a coalescing filter to capture smaller contamination particles.

**Remember, brakes work as a system. When an original part is replaced by a "will-fit" part, performance of the entire system may be compromised. A will-fitter's parts may offer a lower price initially, but they could cost you more down the road in downtime or reduced performance. So, don't take a chance with a component system as important as your brakes. Replace brake and brakesystem parts with OEM quality standard parts.**

## Employee Profile - Angelina Torteviski



Role at Meritor: Material Planner

Year Joined: 2010

### What is your background in Supply Chain and Logistics?

I was originally employed by Meritor LVS (Light Vehicle Systems) in Supply Chain/Logistics managing the supply chain/production processes. I left Meritor briefly and was employed as an Inventory Controller for 12 months. I was approached by Meritor Aftermarket to join the team as a Material Planner and have remained in this position to date.

### What are your main job responsibilities?

Planning and ordering material required for customer's orders. Coordinating with our suppliers on expediting our orders in a timely manner. I also organise the import of the material (logistics).

### What do you enjoy most about your role as Material Planner?

I enjoy working as a Material Planner because every day is a different set of circumstances, which makes this role very interesting. Also, this position allows me to liaise with each department at Meritor on a daily basis. I am most happy when our customers are satisfied with the prompt completion and delivery of their orders.

### With over 9500 active parts in the system, what challenges do you face with stocking items?

The challenge is to ensure that we have all our stocking items available at any time for our customers. We have processes in place that we manage so that stocking targets are achieved to the highest standards.

### What are your interests outside work?

I enjoy travelling overseas and going to the theatre to watch musicals and catch the latest film at the cinema. I also enjoy walking in my spare time.

## Advertising



Look out for the latest ad due in the next edition of Big Rigs featuring new packaging on our Meritor Genuine Brake Shoe Kits!

**IDEAS DRIVING RESULTS**

**STOP**

**WHAT PRICE HAVE YOU PUT ON STOPPING SAFELY?**

**Genuine OEM Meritor Lined Shoe Kit with Hardware**

**MERITOR**

**MERITOR**

In excess of 2 million brake assemblies per year... the numbers stack up.

As the market leader in drum brakes, Meritor genuine KSMA Brake Shoe Kits provide premium performance and reliability, backed by the best support in the industry. When the time comes to replace your brake shoes, look no further than Meritor.

For more information on Meritor KSMA Brake Shoe Kits, visit [www.meritorpartsonline.com](http://www.meritorpartsonline.com), speak with your local OE dealer or contact Meritor Customer Service on 03 8353 6050.