



**RUN  
WITH THE BULL**



*In this Issue:*

- *Product In Focus*
- *Local News*
- *Global News*
- *New Products*
- *Getting Technical*



**BULLS EYE DECEMBER 2016**

## Q **PRODUCT IN FOCUS -** **AllFit Wheel Bearing & Seal Kits**

### **Advantages**

- A convenient and easy way to order wheel end bearings and seals for heavy truck and trailer applications.
- Reductions in cost and time by simplifying the stock range, cross referencing and product handling.
- Hydrogenated Nitrile (HNBR) rubber seals to withstand higher temperatures and synthetic lubricants (MERO2XX series).
- Meritor branded bearings offering outstanding performance and quality.
- 1 year unlimited km warranty.



Meritor Part No.	Seal	Inner Bearing	Outer Bearing	Cap Gasket & Lock Tab	Application
MERKIT001	MER0136	MERSET413	MERSET406	E-03009 R002298	Steer Axle Dana-Eaton-Meritor FG941
MERKIT002	MER0164	MERSET423	MERSET424	E-03009 R002659	Steer Axle Meritor FL941 - MFS73
MERKIT003	MER0273	MERSET403	MERSET401	2208E1123 1229F4634S	Drive Axle Dana-Meritor
MERKIT004	MER0243	MERSET414	MERSET413	E-03009 E-2237	Trailer Axle General Purpose
MERKIT005	MER0223	MERSET415	MERSET415	E-1559 (Split pin) E-05500 (O ring)	Trailer Axle Fruehauf-Pro Par
MERKIT006	21200321A	MERSET414	MERSET413	Not Supplied	Trailer / ROR Trailer Axle General Purpose



**MERITOR**



## **LOCAL NEWS - Meritor CVA Special Notice**

### **Christmas and New Year Trading Hours**

With the 2016 Festive Season fast approaching please take note of the following trade dates and times for Meritor CVA.

#### **December 2016**

Friday 23rd	8:00am - 12:00pm
VOR CUT OFF	10:00am
PICK-UP CUT OFF	11:00am
Monday 26th	CLOSED
Tuesday 27th	CLOSED
Wednesday 28th	8:00am - 4:30pm
Thursday 29th	8:00am - 4:30pm
Friday 30th	8:00am - 12:00pm

#### **January 2017**

Monday 2nd	CLOSED
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**All hours are in AEDT (Australian Eastern Daylight Savings Time)**



## **GLOBAL NEWS - Meritor Axle Systems and Brakes Help Truck Set New Top Speed Record**

A custom-built truck called the Iron Knight equipped with a modified Meritor MS15 rear axle and brakes set an average speed record of 165 mph (267 kph) at a test track in Sweden.

The modified Meritor MS15 axle, built at the Cameri, Italy facility, was optimized to achieve higher speeds at a lighter weight. It includes a modified housing, axle shafts, purpose-built racing gears and superfast ratios.

The Iron Knight, equipped with Meritor parts built in Cameri, Italy and Cwmbran, United Kingdom, set an average speed record in Sweden.



***"We designed every component to maximize performance and withstand the extreme stress based on our experience of delivering lighter-weight, high-strength solutions to the truck racing market,"*** said Marco Bassi, general manager, Sales, Marketing and Product Strategy, Europe for Meritor. ***"Our team successfully built an axle that was lightweight and able to manage the truck's incredible 2,400 horsepower – all while delivering superior reliability and handling."***

The ELSA 195 air disc brakes, built at the Cwmbran, United Kingdom facility, stopped the 4x2 truck safely after achieving top speed. More than 6 million ELSA brakes are on the roads in Europe, the United States, Brazil, China, Korea, Japan, Australia, India, Canada and Turkey.

***"The Iron Knight was the fastest truck – and Meritor brakes brought it to a stop,"*** said Tony Williams, senior manager, European Sales and Global Air Disc Brake Strategy. ***"Meritor is proud of the performance of our brakes in the field where we are recognized as the most reliable product on the market, and a good fit for the world's fastest truck."***



 **NEW PRODUCTS**

**NEW PRODUCTS**

Part Number	Description
A1205V2648	Seal Drive Axle
A1205U2647	Seal Drive Axle

All parts displayed in New Products & Supersessions will be available for immediate ordering. Lead times apply for the listed items.  
Not all parts are available to Independent Customers.  
Please contact Meritor Customer Service on (03) 8353 6050 for further information.  
For full list of supersessions, [CLICK HERE](#)



## GETTING TECHNICAL - Brake Friction Graphs

### Reading Brake Friction Graphs

#### Test Results

The FMVSS 121 Lining test results can be a little confusing but understanding them as well as it's implication is important. These graphs show the results of a test procedure that simulates real highway conditions. When comparing graphs, it is important to compare the exact same test parameters, otherwise you are not comparing apples with apples.

The Test has 4 steps:

- Cold / Hot Burnish
- Retardation
- Brake Power (Fade)
- Recovery

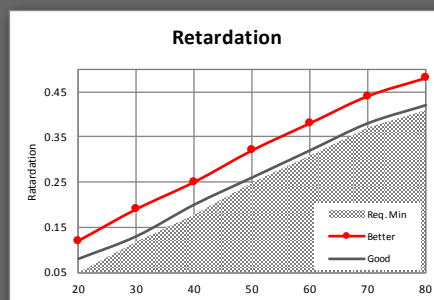
A) Burnish: The objective of this process is to provide a good lining to drum contact.

B) Brake Retardation Force:

**Meaning:** This is a measurement of resistance, like friction. A material that offers higher force across all pressure settings offers better retardation to decelerate the vehicle.

**What to look for:**  
The higher, the better.

**How is it tested?**  
7 stops from 50mph at increasing air pressure.



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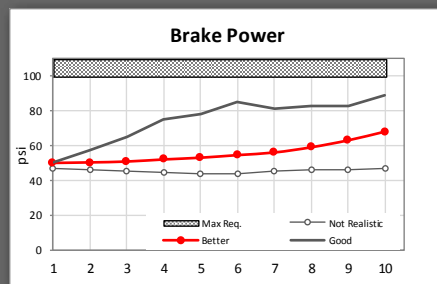
## GETTING TECHNICAL - Brake Friction Graphs

### C) Brake Power (also referred to as Fade):

**Meaning:** This indicates how much pressure from the brake chamber is required to decelerate. The less pressure required means the brake material performs better.

**What to look for:** Less is better. An ascending curve is preferred because as temperature increases, the friction decreases. A semi-flat curve is not realistic.

**How is it tested?** 20 stops from 30pmh at a rate of 12ft/s<sup>2</sup>, two minutes after the brake power test. This test is conducted in 60 second cycles.

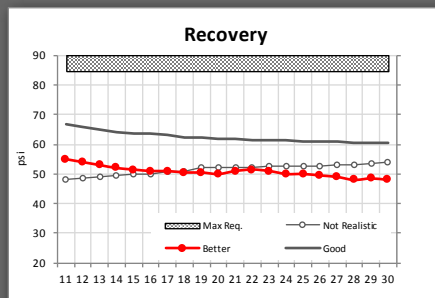


### D) Recovery:

**Meaning:** This test measures how a lining material improves its performance as it starts cooling.

**What to look for:** Less is better. Ideally, it should be a descending curve and at lower than the brake power.

**How is it tested?** 20 stops from 30pmh at a rate of 12ft/s<sup>2</sup>, two minutes after the brake power test. This test is conducted in 60 second cycles.





## MERITOR CVA



*Meritor thanks you for your ongoing support  
and partnership throughout 2016.  
All the best for 2017.*



**MERRY  
CHRISTMAS**



*and a Happy New Year  
from all the team @ Meritor Australia*