

MERITOR® BRAKE SHOE KITS



MERITOR® BRAKE SHOE KITS BRING YOU

1. SAVINGS – time, manpower and money

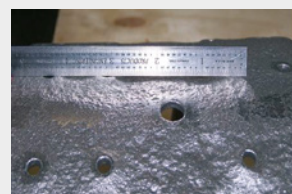
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CLEAN



STRIP



INSPECT



BLAST



PAINT



RIVET

! Approximately 15% of shoes returned for reline get scrapped but this can be as high as 40% !

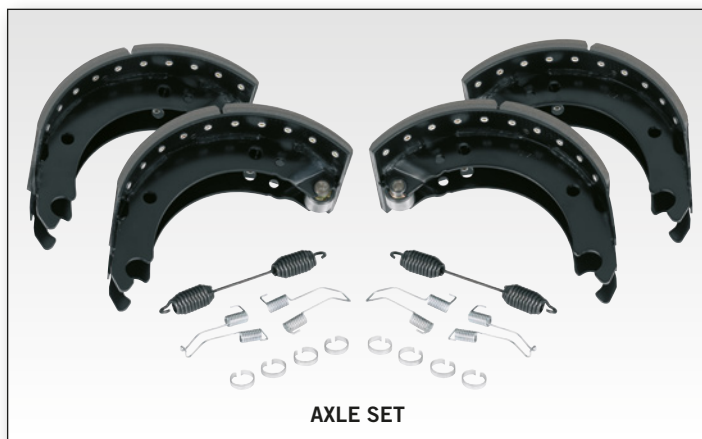
All this = time and manpower = €£€£€£

to this ►

Every brake shoe kit frees up one worker for approximately 30 minutes so just imagine the annual savings you can make by converting your fast moving trailer references from in house reline to Meritor brake shoe kits.

We take away all the of the relining operations including collection, inspection, stripping, cleaning, painting and riveting.

Put new lined shoes into a box add the correct hardware.



AXLE SET

And deliver this to you ►



We save you time, manpower and money!

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2. SAFETY – optimised braking performance and enhanced brake lining

All of the components within the brake assembly work together, therefore

Brake Lining – General description and specification

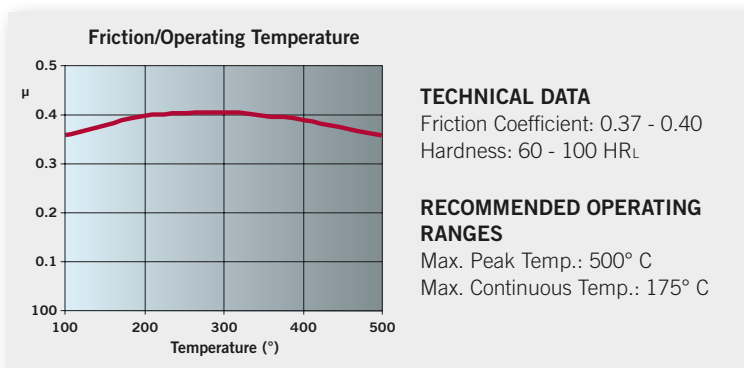
Meritor 405AF is an asbestos free brake lining material with metallic inclusions and friction modifiers. It is primarily designed to provide safe and secure heavy vehicle braking. The material is particularly resistant to wear and has a relatively high density. Meritor 405AF also has excellent thermal properties and remains stable in operating coefficient across a wide temperature range.



No corrosion or distortion to the shoe platform means that the brake lining to shoe match is optimised providing greater lining security and less noise resonance.

Meritor 405AF has been specifically developed and tested for S cam trailer brakes, working in the most demanding of operating environments.

Meritor 405AF has also been tested and approved to UNECE90 by one of Europe's leading testing facilities and carries the prestigious E4 designation.



Brake Return Spring

The brake return spring is a very important component and serves many functions within the brake



- It holds the shoes in the "off" position
- It determines the threshold pressure
- It returns the brake shoes to the "off" position when the brakes are released



Weak brake return springs can cause

- Brake drag – overheating
- Brake imbalance
- Tractor/trailer imbalance – predominance



The threshold pressure is the air pressure required to overcome the resistance within the brake and bring the brake linings into contact with the brake drum. It is important that the threshold pressure is equal across an axle to prevent brake imbalance.



No wear to the anchor pin recess prevents lateral movement of the shoe during braking resulting in smoother operation and reduced risk of brake judder or brake lock.

ng security

fore it is important that they are also replaced together.

No damage, elongation or ovality of the rivet hole reduces the risk of loose rivets due to bad fit in the hole.



No risk of cracked or weakened welds. No distortion of the shoe webs.

No wear to the cam roller recess ensures perfect fitment of the cam roller resulting in smooth operation and release of the brake.

Brake Rollers

The brake roller transfers the rotational movement of the camshaft into linear movement at the brake shoe tip. Brake rollers wear and become mis-shaped. New S cam rollers ensure smooth operation and release of the brake.

The shoes contained within the Meritor brake shoes kits come with the rollers already fitted to ensure correct fit and function.



Brake Shoe Retaining Springs

The brake shoe anchor springs ensure that quick fit shoes remain firmly fixed to the anchor pin to prevent unwanted movement of the brake shoe.



THE RESULT:

Fitting new lined brake shoes and associated components on both ends of the axle ensures that both brakes operate at the optimum efficiency resulting in improved initial performance, faster bedding in, less damage to linings and drums due to localised heat and balanced output across the axle.

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3. SERVICE – your road to success



MERITOR® BRAKE SHOE KITS RANGE . . .



Part Number	VWA	BFMC	Application	Radio	Width	Brake System	Axle	R90
MBSK1000-4	19036/19037	IL66/67	ROR	419	178	Q	TM, TE	E4 90R-01602/158
MBSK1010-4	19370	FU4/5	ROR	419	220	Z	TM	E4 90R-01602/1717
MBSK1040-4	19030/19033	RW34/35	ROR	419	178	Q+	LM, LMC	E4 90R-01602/158
MBSK2000-4	19032	BC98	BPW	420	180	SN4218	H, R ECO 95	E4 90R-01602/147
MBSK2010-4	19094	BC97	BPW	420	200	SN4220	H, R ECO 95	E4 90R-01602/147
MBSK2440-4	19902/19903	BC100/101	BPW	360	200	BPW	SN3620	E4 90R-01603/1031
MBSK2450-4	19283/19284	SJ28/29	SAF	420	180	SAF	SK RZ 9042	E4 90R-01603/147
MBSK2490-4	19613/19614	FT11/12	SMB	419	178	SMB	C2	E4 90R-01602/158
MBSK2500-4	19557/19606	FT6/7	SMB	419	203	SMB	C1/L1	E4 90R-01602/158



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