

MAXIMISE YOUR BRAKING POWER

MERITOR MAX PREMIUM BRAKE PADS



Meritor

**FOR
A WORLD
THAT'S
ALWAYS ON™**

MERITOR® MAX PREMIUM BRAKE PADS

Cummins-Meritor is a braking leader for the commercial vehicle industry supplying friction products as Original Equipment and into the aftermarket. If you are a city-bus operator, running high powered premium truck and trailer units or vocational vehicles then you will know the issues. Short life, both for disc pads and discs, are mainly the result of fitting inappropriate replacement pads. At Cummins-Meritor we understand the problems, and, of course, the solutions:

- Quality Components
- Wide Product Range
- Premium Braking Performance
- R90 PLUS



Premium: M550 friction material – for Meritor, Knorr & Wabco brakes

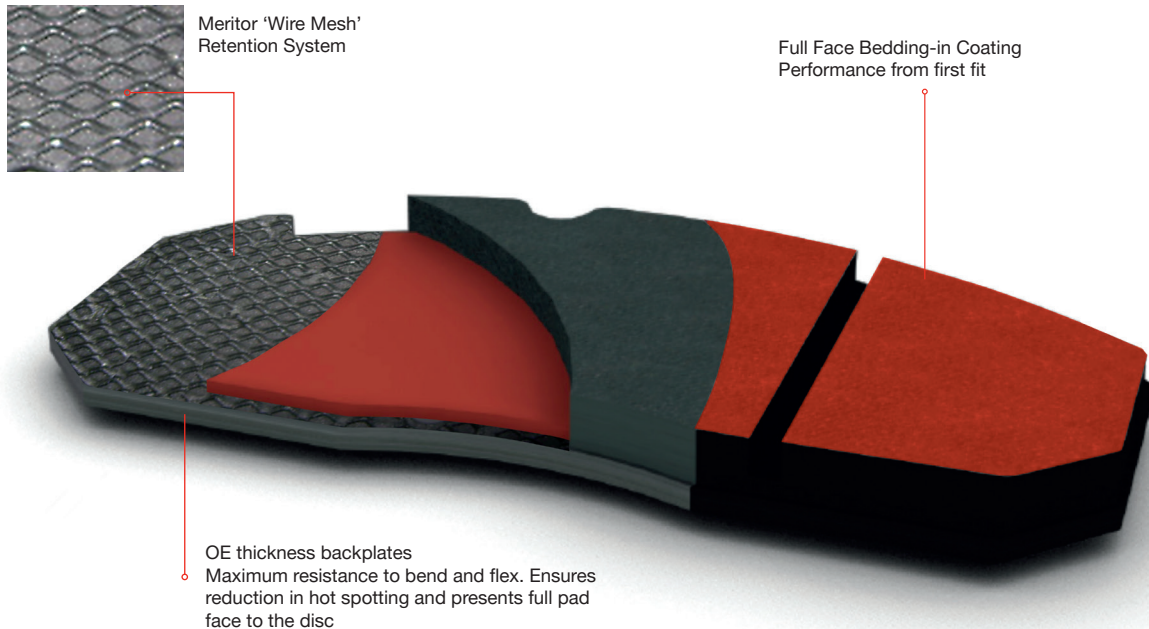
Applications: High demand usage – Bus, Coach, CV heavy duty and specific trailer HD

Back Plate: Wiremesh

PERFORMANCE ADVANTAGES

- New M550 friction material for heavy duty and bus applications.
- Excellent breaking performance in high temperatures up to 500 degrees.
- More braking power.
- Consistent and reliable brake performance.
- Reduced levels of disc wear.
- Meritor Premium pads feature high quality back plate and bonding technology.
- Better pad wear performance vs other aftermarket products.
- In high stress situations, Meritor Premium pad performs better than other typical aftermarket friction material.
- Lower operating costs.
- Every brake pad is hard Marked “MER” Batch-code to ensure permanent traceability.
- ECE-R90 Certificated.
- Complete fitting kits.

QUALITY CONSTRUCTION.



Meritor 'Wire Mesh' Retention System

Full Face Bedding-in Coating Performance from first fit

OE thickness backplates
Maximum resistance to bend and flex. Ensures reduction in hot spotting and presents full pad face to the disc

- **Torque.** Correct torque across speed, pressure and temperature.
- **Fade.** High resistance at full pressures and peak temperatures.
- **Modulation.** The strong fade resistance and reliable recovery give great confidence to the driver.
- **Recovery.** Consistent recovery levels, after any fade.
- **Material.** It's critical to ensure the material stays firmly fixed in place. Our 'Wire Mesh' retention system has the best of hot and cold shear resistance.
- **Pad life.** A long life product with features and benefits.
- **Disc wear.** Wear levels in line with the best of the best.
- **Disc thermal fatigue.** Ultimate resistance to cracking and hot-spotting of the disc.



MER 000112

Manufacturing batch / date code for traceability and Marked as MER: using the first 3 digits of MERITOR.



- Unique Premium Pads numbers: MAX + last 3 digits of WVA number "K" suffix indicates fitting kit included
- Exclusive new Meritor 550 Friction material.
- ECE-R90 approved.

M550 FRICTION TESTED TO PERFORM.

The new Meritor 550 friction material has been tested in combination of Meritor Testing and Prototype laboratory (Cameri, Italy) and an independent external certified testing laboratory, under exact Meritor quality and engineering standards.

FACT:

To stop a vehicle you need to convert all of the energy of motion to heat.

- A 44 Ton truck driving at 90 km/hr. has kinetic energy of 13.75 Million Joules.
- A sport car to have the same kinetic energy it would need to be driving at 440 km/hr.
- 13.75 Million Joules is enough energy to do this to a brake system.

The 550 friction material was tested to extremes of:

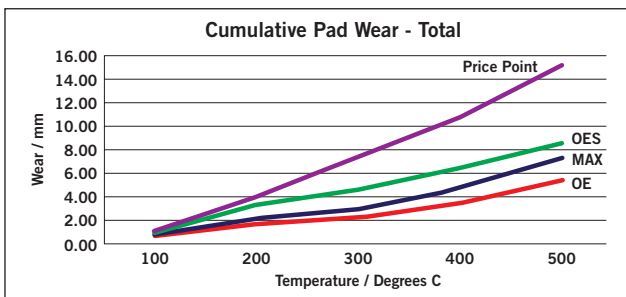
- Speed
- Temperature
- Pressure
- Deceleration



Brakes under high demand utilization reach temperatures over 500 / 600°C

PREMIUM WEAR AND BRAKING PERFORMANCE

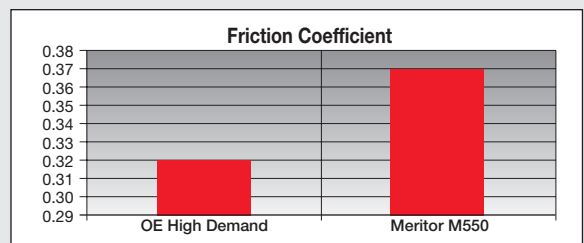
- Excellent breaking performance in high temperatures over 500 degrees.
- More Stopping and Braking Power.
- Reduced levels of disc wear.
- Better pad wear performance vs other aftermarket products.



STOPPING POWER

M550 friction material has higher friction than other OE high demand friction material, giving more breaking power.

Actual friction value of M550 calculates to an outstanding friction coefficient of 0.37 compared to other claimed aftermarket high performance and even OE friction materials.



R90 PLUS TESTING

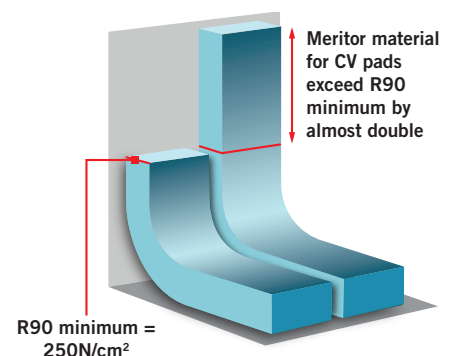
R90 PLUS Testing. - Meritor brake pads exceed R90 minimums

The key R90 PLUS tests for CV pads are:

Hot Shear testing – This is same test as required by R90 at ambient temperature but Meritor also do it on 300C hot pads and require the shear strength to exceed the R90 minimum of 250N/cm² of friction material (which it does).

Meritor also carry out a full range of performance testing primarily on dynamometer to review a whole range of performance characteristics across a range of pressures, speeds and temperatures that are not required by R90 testing. These tests are performed on a regular basis from production samples to ensure consistent high performance products.



Finally we carry out full scale inertia dynamometer wear testing which includes characteristic performance checks between each wear section. This testing to International standards is used to benchmark both the pad wear and rotor wear of all Meritor grades against OE and other aftermarket offers.



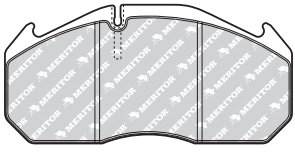
THE MAX PREMIUM BRAKE PADS RANGE.

MERITOR PART NUMBER	WVA	TEXTAR	BENDIX	BRAKE SYSTEM	APPLICATION
MAX030K	29030	2903009	CVP013	Meritor Elsa 1 / D3	RENAULT Magnum, Mercedes Benz 0404
MAX087K	29087	2908711	CVP020	Knorr SB7 / SN7	MERCEDES Actros, DAF LF, SCANIA 4, IVECO, Mercedes Benz Bus
MAX088K	29088	2928501	CVP032	Wabco Pan 17	MAN L2000, DAF LF / FA 45, IVECO Eurocargo
MAX090K	29090	2909006	CVP023	Meritor D Lisa	IRISBUS / RENAULT AGORA / VOLVO B / DENNIS BUS
MAX095K	29095	2932001	CVP036	Knorr SB6 / SN6	MAN 2000 series L/M, City Bus , DAF SB, Mercedes Benz 0510 Bus
MAX125K	29125	2927701	CVP037	Meritor D Duco	VOLVO B / FH / FL
MAX126K	29126	2931301	CVP090	Wabco Pan 19-1	DAF LF45 Series, LF55 Series, Fuwa K-Hitch, SAF SK9019W, York 2980
MAX131K	29131	2913103	CVP088	Meritor Elsa 2	RENAULT Magnum E, MAN TGA Series
MAX165K	29165	2930601	CVP092	Knorr SN / SB6	BPW SKH Axles
MAX167K	29167	2930701	CVP093	Knorr SN / SB7	BPW SH Series
MAX171K	29171	2930801	CVP094	Knorr SK7	BPW SH Series, Schmitz Cargobull, SAF
MAX173K	29173	2917301	CVP304	Meritor ELSA 225-1	RENAULT Midlum, Volvo FL
MAX174K	29174	2917401	CVP305	Meritor ELSA 225-3	RENAULT Magnum DX / VOLVO 7700, Volvo B10BLE, B12BL
MAX227K	29227	2922701	-	BPW TSB 3709	BPW SKF / SH (AU ASSEMBLED)
MAX228K	29228	2922801	CVP503	BPW TSB 4309	BPW SKF / SH (AU ASSEMBLED)
MAX244K	29244	2924401	CVP501	Knorr SL7	MERCEDES Actros MP4 (Rear)
MAX246K	29246	2924601	CVP500	Knorr SM7	MERCEDES Actros MP4 (Front)

TECHNICAL SPECIFICATIONS


MAX030K  = 4 x 



Renault



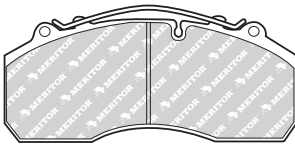
WVA
29030
29083
29113

249.6mm
118.4mm
28.2mm

 Meritor
Elsa 1/D3


MAX087K  = 4 x 



DAF
Iveco
Mercedes
Scania



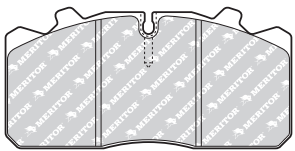
WVA
29042 29059 29087
29106 29108 29109
29163 29179 29202
29253

248.0mm
108.0mm
30.0mm

 Knorr
SB7/SN7


MAX088K  = 4 x 



DAF
Iveco
MAN



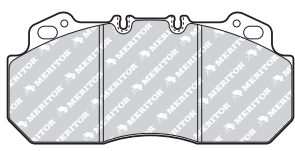
WVA
29088

176.0mm
86.0mm
26.0mm

 Wabco
Pan 17


MAX090K  = 4 x 



Dennis
Irisbus
Renault
Volvo



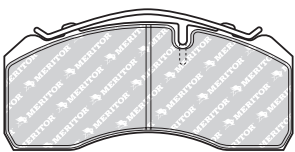
WVA
29090

249.6mm
114.0mm
28.0mm

 Meritor
D LISA


MAX095K  = 4 x 



DAF
MAN



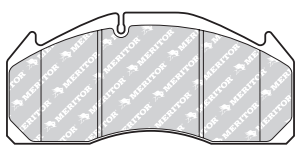
WVA
29095
29197

211.0mm
92.5mm
30.0mm

 Knorr
SB6/SN6


MAX125K  = 4 x 



Volvo



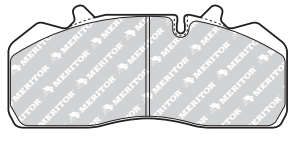
WVA
29125
29277

249.5mm
111.0mm
29.0mm

 Meritor
D DUCO


MAX126K  = 4 x 



SAF



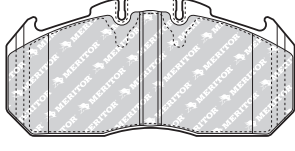
WVA
29126
29159

211.0mm
93.0mm
30.0mm

 Wabco
Pan 19-1


MAX131K  = 4 x 



MAN
Renault



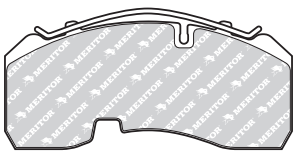
WVA
29131

249.5mm
118.0mm
30.0mm

 Meritor
ELSA 2


MAX165K  = 4 x 



BPW



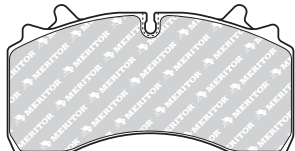
WVA
29165
29306

211.0mm
92.0mm
30.0mm

 Knorr
SB6/SN6


MAX162K  = 4 x 

SAF
SMB





WVA
29162

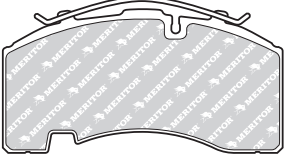
210.0mm
110.0mm
31.0mm

 Wabco
Pan 22-1

TECHNICAL SPECIFICATIONS


MAX171K  = 4 x 



BPW
SAF
Schmitz



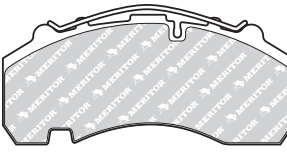
WVA
29158
29171
29308

211.0mm
108.0mm
30.0mm

 Knorr
SK7


MAX167K  = 4 x 



BPW



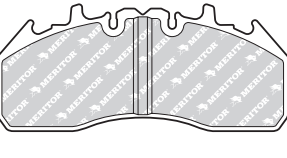
WVA
29167
29307

248.0mm
109.5mm
30.0mm

 Knorr
SB7/SN7


MAX174K  = 4 x 



Renault
Volvo



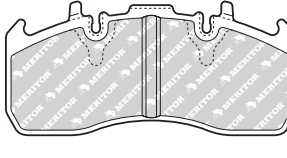
WVA
29174
29218
29273

250.0mm
107.0mm
29.0mm

 Meritor
ELSA 225-3


MAX173K  = 4 x 

Renault



WVA
29173
29203

210.0mm
102.0mm
29.0mm

 Meritor
ELSA 225-1

MAX227K  = 4 x 

BPW
SKF/SH
(AU Assembly)

IMAGE COMING SOON



WVA
29227

210.5mm
101.5mm
29.7mm

 TSB 3709
(BPW Caliper)

MAX228K  = 4 x 

BPW
SKF/SH
(AU Assembly)



IMAGE COMING SOON



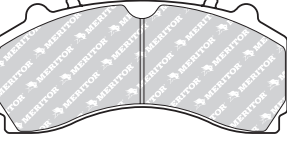
WVA
29228

210.7mm
114mm
29.7mm

 TSB 4309
(BPW Caliper)


MAX246K  = 4 x 



Mercedes



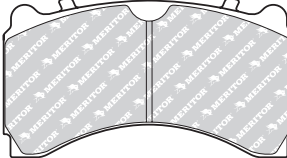
WVA
29246

245.0mm
113.5mm
29.5mm

 Knorr
SM7


MAX244K  = 4 x 

Mercedes



WVA
29244

207.0mm
113.7mm
29.3mm

 Knorr
SL7



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