

# Product Overview

U.K. & Ireland

Bandag & Bridgestone Retreads

04/2011



**NO DETOURS.™**

# Bandag and Bridgestone retreads exclusively produced by the Bandag Dealer network

- **Bandag is a brand of the Bridgestone Corporation**, the world's largest tyre manufacturer.
- Bandag and Bridgestone retreads are the result of the combined **know-how of Bridgestone and Bandag** in compound and tread design development and build further on **more than 50 years of retreading experience**.
- This product range is the **most extensive retread product offering** on the market
  - Specifically developed for European driving conditions
  - High performing products for all applications and axle positions
  - Tread manufacturing in Europe
  - Developed to offer the lowest cost per kilometer
- The consistent quality and safety of Bandag and Bridgestone retreads is the result of each Dealer's expert use of the **Bandag System**, which is a combination of:
  - Bandag and Bridgestone tread products and cushion gum
  - Bandag equipment
  - The Bandag retreading process
- Extensive training in the state of the art **European Education Center** is provided to shop operators on the retread process and casing analysis.
- A global **Quality Certification System** based on annual audits and mandatory training is applied.
- Bandag and Bridgestone retreads **comply with all European regulations such as ECE109** which ensures that retreads meet the same quality and reliability levels as new tyres.

# The Bandag retreading process



**STEP 1**  
Initial inspection evaluates the safety of the casing



**STEP 5**  
Building: adding a new tread and even more value



**STEP 2**  
Non-destructive inspection checks invisible safety issues



**STEP 6**  
Curing secures the tread to the casing



**STEP 3**  
Buffing restores the tyre dimensions and a perfect balance



**STEP 4**  
Skiving and filling repair and save valuable casings



**STEP 7**  
Final inspection checks safety and perfect appearance

## *The new BDM1 & BRM1* *Premium treads for the heavy work!*

BDM1 and BRM1 have been extensively tested all over Europe.  
A mileage improvement of **up to 15%** has been measured towards the  
BDY3 and BZY2.

### **BDM1 Bandag Drive Mixed service, Superb Traction**

Directional lug design optimised to  
increase the efficiency / **traction** of  
high-power, high-torque trucks even  
in the toughest of conditions and  
mixed terrain

BDM1

Larger tread blocks improve  
**resistance** against tearing and  
scrubbing



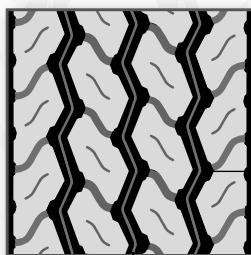
New high performance compound  
provides excellent resistance to  
cut and chip and slow wear: **more  
mileage** vs BDY3

**Lower noise level** compared to  
BDY3

### **BRM1 Bandag Rib Mixed service, all position ON/OFF road versatility**

Aggressive rib design for **versatile  
usage** on all axles of trucks in  
mixed on/off service when traction  
is not a must

Stable new design for **less irregular  
wear** and improved handling



New high performance compound  
provides excellent cut and chip  
resistance and slow wear: **more  
mileage** vs BZY2

Groove pockets for more 'biting'  
edges and enhanced **self-cleaning**

Stone ejectors that improve  
**resistance** to penetrations

BRM1



## ECOPIA A BETTER GRIP ON ECOLOGY AND YOUR COSTS

Ecopia results in cost savings

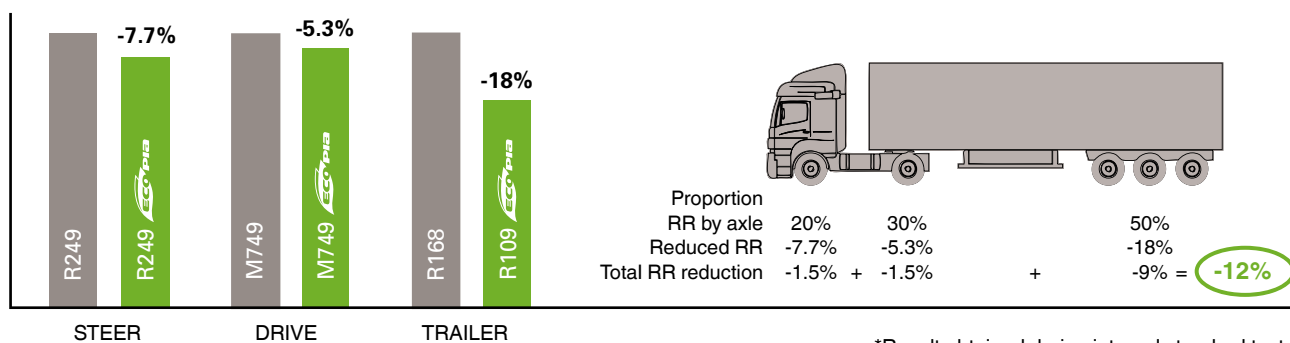
- Fuel savings
- Lower cost per kilometer
- Lower Total Tyre Life cost

And in acting responsibly towards the environment

- CO<sub>2</sub> emission reduction
- Recycling through retreading
- Economical use of raw materials

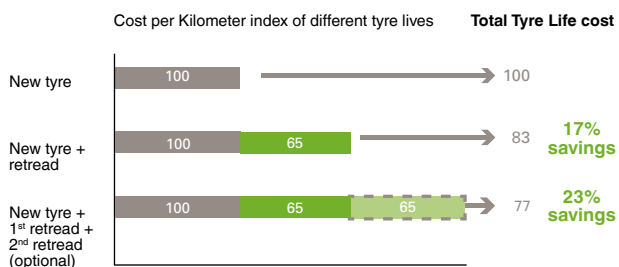
### Ecopia: lower rolling resistance, less fuel\*

#### 12% improved rolling resistance\*



### Ecopia retreads: extended new tyre performance

#### Lowest Total Tyre Life cost



Retreads deliver on average 35% lower cost per kilometer than new tyres. The more a casing can be retreaded, the lower the Total Tyre Life cost is.

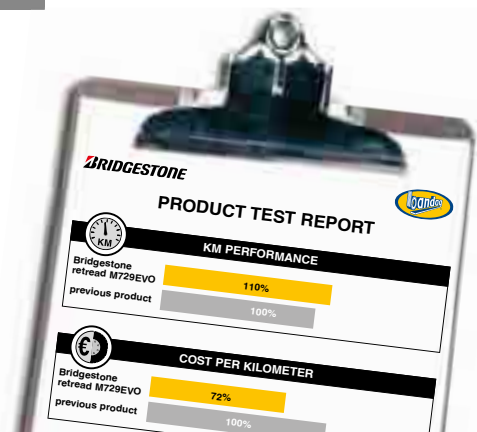
#### Better for the environment



Measure your ecological tyre print at [www.ecopia.eu](http://www.ecopia.eu) and discover your 3 biggest cost saving opportunities

# Ingredients for lowest cost of tyre ownership:

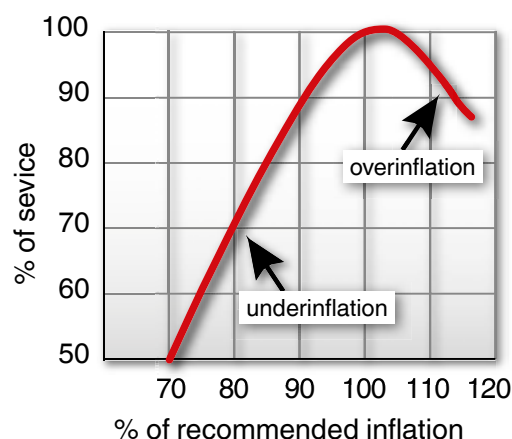
## 1. Choose tyres offering you the lowest cost per kilometer



Ask for the Bandag Challenge test and get the factual proof that you have selected the most economical tyre for your fleet.

## 2. Tyre maintenance for maximum service life

Tyres, not inflated properly will perform less.  
Impact of inflation on tyre performance (based on industry standards):



**An example for a fleet of 20 vehicles doing 120.000 km per year.\***










Calculation:			
	Correct Pressure	10% Underinflation	Effect
Average tyre performance:	100.000 km	87.000 km	13 % less
Cost per 1000 km	3.50 €	4.02 €	
Cost per year per vehicle (6 tyres)	2.520 €	2.894 €	
Cost per year for 20 vehicles (120 tyres)	50.400 €	57.880 €	7.480 € lost!
Tyres Purchased per year	144	165	21 too many!

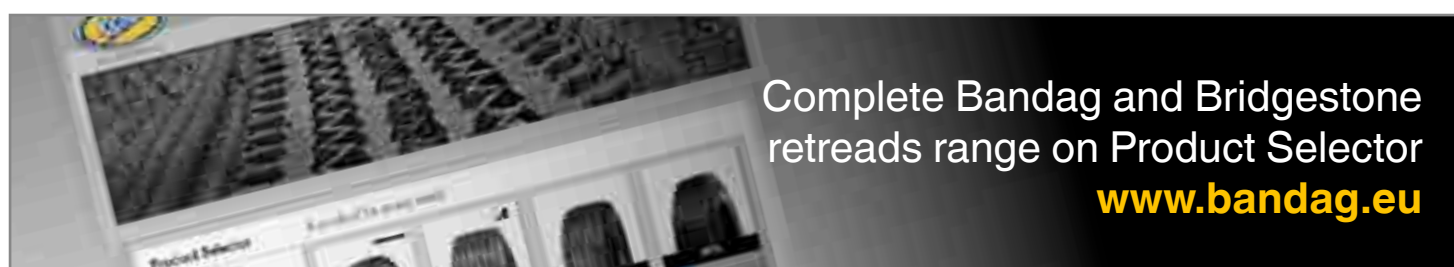
**\*Assumption:** Average tyre price: 350 €  
Average performance at correct tyre pressure: 100.000 km

Under inflated tyres will also lead to:


- Higher fuel consumption
- More breakdowns
- Reduction of the casing life

# Recommended products for optimal performance

		 HIGHWAY	 REGIONAL	 ON/OFF	 OFF	 CITY	 WINTER
 DRIVE	TRUCK 70-80 SERIES	M749 Ecopia BDL2	M729 / M729 EVO BDR-HT2 BDR-ASD BDR-AS BDE2	BDM1 L355 (E) BDY3 WHL	BDM1 L355 (E) WHL LGT		W990 BDR-HG BDR-W+
	TRUCK 60 SERIES	M749 Ecopia BDL2	BDR-AS BDR-ASD				BDR-HG
	LIGHT TRUCK		BDR-AS BDLT MMD			BDLT MMD BDR-AS	
	BUS	BDA4 (E)	BDA4 (E)			BDU (E)	
 ALL POSITION	TRUCK & BUS	BZA BZA (E)	BRR	BRM1 M840 (E) BZY2 WHR	BRM1 M840 (E) BZY2	R192 (E) BRR OBD	
 TRAILER	DUAL & WIDE SINGLE	R109 Ecopia BTR-SA BTR-SA s BTR+(E)	R168 BTR-WB (E) BTR-SA s BTR+(E) BTE2	BTM-WB M748 (E)	M748 (E)		



Complete Bandag and Bridgestone retreads range on Product Selector  
[www.bandag.eu](http://www.bandag.eu)






### BDA4 (E)

285/70R19.5  
11R22.5  
12R22.5  
275/80R22.5  
295/80R22.5  
315/80R22.5  
275/70R22.5  
305/70R22.5

**M+S**

- Traction design for long-distance buses
- High comfort and reliability
- Appearance like a new tyre






### BDE2

11.00R20  
12.00R20  
13.00R20  
12R22.5  
13R22.5  
275/80R22.5  
295/80R22.5  
315/80R22.5  
275/70R22.5

**M+S**

- Versatile regional traction design
- High stability and comfort in all circumstances
- Slow wear




### BDL2

295/80R22.5  
315/80R22.5  
305/70R22.5  
315/70R22.5  
295/60R22.5  
305/60R22.5

**M+S**

- Directional long haul traction design
- Slow wear
- Low heat build-up






### BDLT

205/75R16  
215/75R16  
225/75R16  
255/100R16  
11.00R16  
8.25R17  
8.5R17.5  
9R17.5  
9.5R17.5

**M+S**

- All season light truck design
- Good traction and even wear
- Excellent for both regional and city traffic









### BDM1

11.00R20  
12.00R20  
12R22.5  
13R22.5  
275/70R22.5  
275/80R22.5  
295/80R22.5  
305/70R22.5  
315/70R22.5

**M+S**

- ON/OFF traction design with high mileage potential
- Excellent resistance to cuts and punctures
- Excellent traction on all surfaces





### BDR-AS


205/75R17.5  
215/75R17.5  
225/75R17.5  
235/75R17.5  
245/70R17.5  
245/70R19.5  
265/70R19.5  
285/70R19.5  
11.00R20

12.00R20  
10R22.5  
11R22.5  
12R22.5  
295/80R22.5  
315/80R22.5  
275/70R22.5  
315/70R22.5  
295/60R22.5

**M+S**

- Light regional / long-haul traction design
- Casing friendly, allows multiple retreading
- Suitable for 60 series tyres





### BDR-ASD


10.00R20  
11.00R20  
12.00R20  
13.00R20  
11R22.5  
12R22.5  
13R22.5  
275/80R22.5  
295/80R22.5

315/80R22.5  
275/70R22.5  
305/70R22.5  
315/70R22.5  
295/60R22.5  
305/60R22.5  
315/60R22.5

**M+S**

- Regional traction design (suited for many tyre sizes)
- Excellent all-season traction
- Good wear performance and stability





### BDR-HG


12.00R20  
13.00R20  
12R22.5  
13R22.5  
275/80R22.5  
295/80R22.5  
315/80R22.5  
275/70R22.5  
295/70R22.5

305/70R22.5  
315/70R22.5

**M+S**

- New generation winter traction design
- Superb mileage performance
- Excellent for mixed winter and dry conditions.





### BDR-HT2


11.00R20  
12.00R20  
13.00R20  
12R22.5  
13R22.5  
275/80R22.5  
295/80R22.5  
315/80R22.5  
275/70R22.5

295/70R22.5  
305/70R22.5  
315/70R22.5

**M+S**

- Advanced regional traction design
- Excellent mileage performance and cost efficiency
- Excellent self cleaning properties




### BDR-W+

245/70R19.5  
265/70R19.5  
285/70R19.5  
11.00R20  
12.00R20  
13.00R20  
11R22.5  
12R22.5  
13R22.5


275/80R22.5  
295/80R22.5  
315/80R22.5  
315/75R22.5  
275/70R22.5  
295/70R22.5  
305/70R22.5  
315/70R22.5

**M+S**

- Advanced directional winter traction design
- Powerful traction on snow and ice
- Improved Mileage “+”









### BDU (E)

11R22.5  
12R22.5  
275/80R22.5  
295/80R22.5  
315/80R22.5  
275/70R22.5  
295/70R22.5  
305/70R22.5

**M+S**

- Traction design for urban bus applications
- Excellent grip
- Even wear and stability






### BDY3

11.00R20  
12.00R20  
13.00R20  
12R22.5  
13R22.5  
275/80R22.5  
295/80R22.5  
315/80R22.5  
315/70R22.5

**M+S**

- New generation on/off traction design
- Great overall performance on all surfaces
- Withstands very high torque stresses






### L355 (E)

13R22.5  
295/80R22.5  
315/80R22.5

**M+S**

- ON/OFF traction design
- High cut/chip resistance
- Good self cleaning abilities







### LGT

10.00R20  
11.00R20  
12.00R20  
13.00R20  
11R22.5  
12R22.5  
13R22.5  
295/80R22.5  
315/80R22.5

**M+S**

- Very severe service design
- Good penetration resistance
- Aggressive traction







### MMD

255/100R16	265/70R17.5
11.00R16	245/70R19.5
245/75R16	9.00R20
10.00R16.5	10.00R20
10R17.5	
225/75R17.5	
235/75R17.5	
245/75R17.5	
245/70R17.5	

**M+S**

- All season light truck design
- Good snow traction
- Excellent for both regional and city traffic







### WHL

10.00R20	315/80R22.5
11.00R20	305/70R22.5
12.00R20	315/70R22.5
13.00R20	
11R22.5	
12R22.5	
13R22.5	
275/80R22.5	
295/80R22.5	

**M+S**

- Aggressive on/off road traction design
- Very good mileage performance
- Excellent resistance to cuts and punctures







### M729 / M729 EVO

215/75R17.5	315/60R22.5
225/75R17.5	315/70R22.5
245/70R19.5	315/80R22.5
265/70R19.5	
285/70R19.5	
275/70R22.5	
295/60R22.5	
295/80R22.5	
305/70R22.5	

**M+S**

- Deep multi-block pattern for all on-road operations
- Excellent mileage performance
- Resistant to irregular wear







### M749 Ecopia

295/60R22.5  
295/80R22.5  
315/70R22.5  
315/80R22.5

**M+S**

- Fuel efficient drive tyre
- Low rolling resistance compound
- No compromise on durability, irregular wear resistance and wet performance







### W990

12R22.5  
295/80R22.5  
315/70R22.5  
315/80R22.5

**M+S**

- Winter tread for performance on snow and ice
- Excellent wet and dry traction
- High mileage potential








### BRM1

235/75R17.5	275/70R22.5
265/70R19.5	275/80R22.5
285/70R19.5	295/80R22.5
305/70R19.5	305/70R22.5
10.00R20	315/70R22.5
11.00R20	315/80R22.5
12.00R20	
12R22.5	
13R22.5	

**M+S**

- All position ON/OFF design with high mileage potential
- Excellent resistance to cuts and punctures
- Improved resistance to stone penetrations






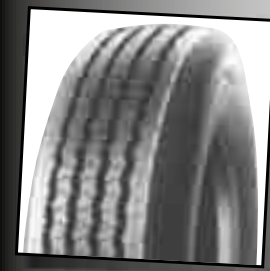


### BRR

10.00R20	315/80R22.5
11.00R20	275/70R22.5
12.00R20	295/70R22.5
13.00R20	305/70R22.5
11R22.5	315/70R22.5
12R22.5	
13R22.5	
275/80R22.5	
295/80R22.5	

- Regional / intercity bus design
- Excellent stability, comfort and performance
- Mini Wing feature for great appearance






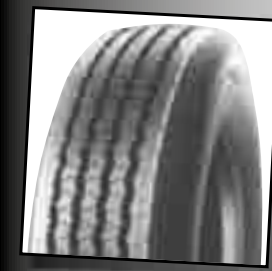


### BZA

245/70R19.5	12R22.5
265/70R19.5	275/80R22.5
285/70R19.5	295/80R22.5
305/70R19.5	315/80R22.5
10.00R20	275/70R22.5
11.00R20	295/70R22.5
12.00R20	305/70R22.5
10R22.5	315/70R22.5
11R22.5	

- All position long haul design
- Regular wear
- Excellent stability









### BZA (E)

10.00R20	295/70R22.5
11.00R20	305/70R22.5
12.00R20	315/70R22.5
11R22.5	295/60R22.5
12R22.5	
275/80R22.5	
295/80R22.5	
315/80R22.5	
275/70R22.5	

- All position long haul design
- Regular wear
- Excellent appearance









### BZY2

225/75R16	11.00R20
245/75R16	10R22.5
9.5R17.5	11R22.5
205/75R17.5	12R22.5
215/75R17.5	13R22.5
225/75R17.5	295/80R22.5
235/75R17.5	315/80R22.5
245/70R17.5	255/70R22.5
10.00R20	275/70R22.5

- New all position design for on/off applications
- Tough and reliable
- High cut resistance





### M840 (E)

12R22.5
13R22.5
295/80R22.5
315/80R22.5

**M+S**

- All position pattern for ON/OFF applications
- Diagonal blocks - good traction
- High resistance to cuts and self cleaning abilities








### OBD

11R22.5
12R22.5
295/80R22.5
315/80R22.5
275/70R22.5

- Urban bus Design
- Rib Design for superior stability
- Comfortable and silent ride








### R192 (E)

12R22.5
275/70R22.5
295/80R22.5
315/80R22.5

- High mileage performance
- Excellent wet performance
- Reduction of noise









### WHR

11.00R20	315/70R22.5
12.00R20	
13.00R20	
11R22.5	
12R22.5	
13R22.5	
295/80R22.5	
315/80R22.5	
305/70R22.5	

- For heavy construction and waste applications
- High puncture-resistance
- Deep tread depth gives excellent mileage









### BTE2

365/80R20  
385/65R22.5

- Versatile wide single trailer design
- Good mileage performance
- Great appearance (Mini Wing)






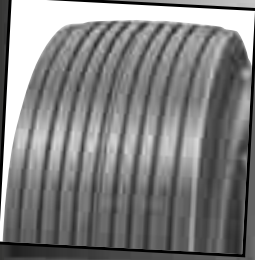


### BTM-WB

385/65R22.5  
425/65R22.5  
445/65R22.5

- New generation on/off wide single design
- Excellent casing protection
- Slow wear









### BTR+(E)

445/65R19.5  
425/55R19.5  
435/50R19.5  
445/45R19.5  
445/65R22.5  
435/45R22.5

- Super-wide single trailer design
- Regular wear
- Low noise









### BTR-SA

385/65R19.5  
365/80R20  
385/65R22.5  
425/65R22.5  
385/55R22.5

- Regional / long-haul wide single trailer design
- Slow wear
- Excellent appearance (Mini Wing)






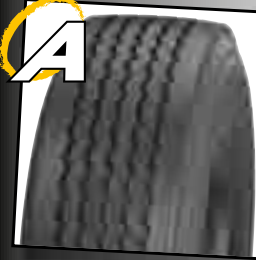


### BTR-SA s

235/75R17.5	11R22.5
245/75R17.5	12R22.5
245/70R17.5	295/80R22.5
265/70R17.5	315/80R22.5
245/70R19.5	275/70R22.5
265/70R19.5	305/70R22.5
285/70R19.5	315/70R22.5
11.00R20	295/60R22.5
12.00R20	305/60R22.5

- Regional / long haul trailer design
- Reliability
- Excellent appearance (Mini Wing)









### BTR-WB (E)

385/65R19.5  
385/65R22.5  
425/65R22.5  
385/55R22.5

- Regional wide single trailer design
- Reliability and performance in all circumstances
- New tyre appearance (optimized ECL design)





### M748 (E)

385/65R22.5

**M+S**

- ON/OFF trailer design
- High mileage performance
- Excellent casing protection




### R109 Ecopia

385/55R22.5  
385/65R22.5

- New fuel efficient trailer tyre
- Low rolling resistance compound
- No compromise on durability, irregular wear resistance and wet performance






### R168

385/55R22.5  
385/65R22.5  
425/65R22.5

- Wide base trailer pattern for all ON road operation
- Superb mileage through high yield compound and high tread volume
- Maintaining casing integrity also in most demanding applications



**NO DETOURS.™**

The information contained in this publication is for guidance purposes only. For technical information, please refer to the Tread Chart & Data Book. No responsibility can be accepted for any loss or damage as set out therein. Any data supplied is subject to possible revision following the date of publication.

**Printed in Belgium - Ref: 700XXXX - U.K. & Ireland - GB - 04/2011**