
BATTLAX
RACING STREET
RS12
FINISH
BRIDGESTONE
Solutions for your journey

BATTLAX RACING STREET RS12

BATTLAX RACING STREET RS12 is BRIDGESTONE's sportiest road-legal tyre ever made.

By incorporating **race tyre technology**, it delivers a new level of performance. The compound, pattern design, and construction are all improved, allowing for a high level of performance on both the public road as well as the track.

The BRIDGESTONE BATTLAX RACING STREET RS12 is the embodiment of our **"circuit to street"** philosophy.



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Product concept

- “From circuit to street”
- RS12 is BRIDGESTONE’s sportiest road-legal tyre
- Incorporate racing technology in street tyre

Development methodology

- Adoption of an updated **pattern** design
- Newly adopted **racing compound** Front and Rear
- New steel (HE-MS BELT) **construction** in Front tyre

Result

- Significant **lap time improvement** vs RS11
- **Consistent** high performance even after multiple laps



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BATTLAX RACING STREET RS12

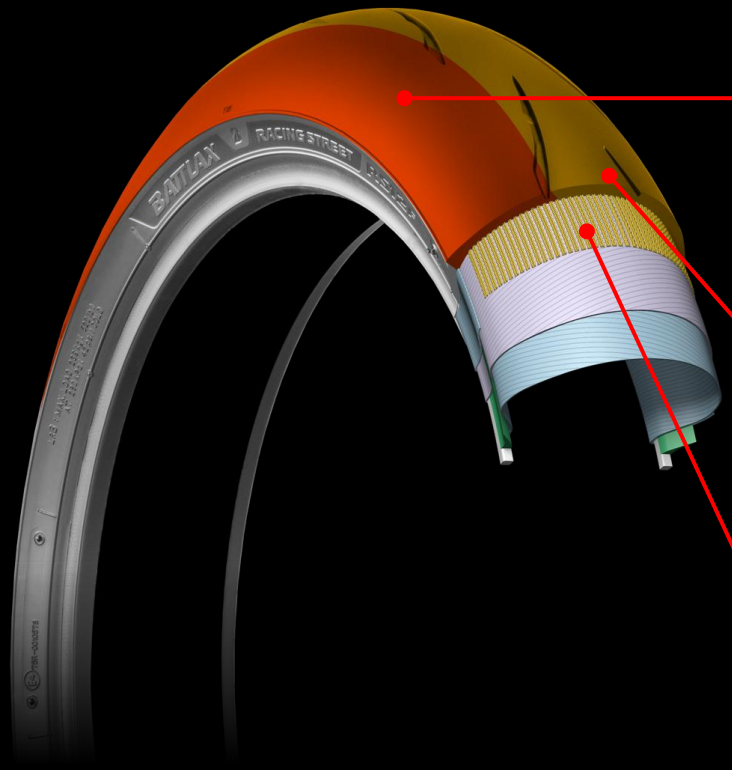
RACE	RACING BATTLAX V03 · RACING BATTLAX V02 · RACING BATTLAX W01 · BATTLAX CLASSIC RACING CR11
HYPERSPORT	BATTLAX RACING STREET RS12 · BATTLAX HYPERSPORT S23 · BATTLAX HYPERSPORT S22 · BATTLAX HYPERSPORT S21
SPORT TOURING	BATTLAX SPORT TOURING T33 · BATTLAX SPORT TOURING T32 · BATTLAX SPORT TOURING T31 · BATTLAX BT46
CUSTOM	BATTLECRUISE H50 · EXEDRA MAX
ADVENTURE	BATTLAX ADVENTURE A41 · BATTLAX ADVENTURE TRAIL AT41 · BATTLAX ADVENTURECROSS AX41 · BATTLAX ADVENTURECROSS SCRAMBLER AX41S
OFF ROAD	BATTLECROSS E50 · BATTLECROSS E50 EXTREME · BATTLECROSS X10 X20 X31 X40
SCOOTER	BATTLAX SCOOTER SC2 · BATTLAX SCOOTER SC2 Rain · BATTLAX SC



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TECHNOLOGY

Front



NEW

FRONT AND REAR

New compound

Implementing race tyre compound

NEW

FRONT AND REAR

New pattern

Optimised groove ratio and pattern stiffness

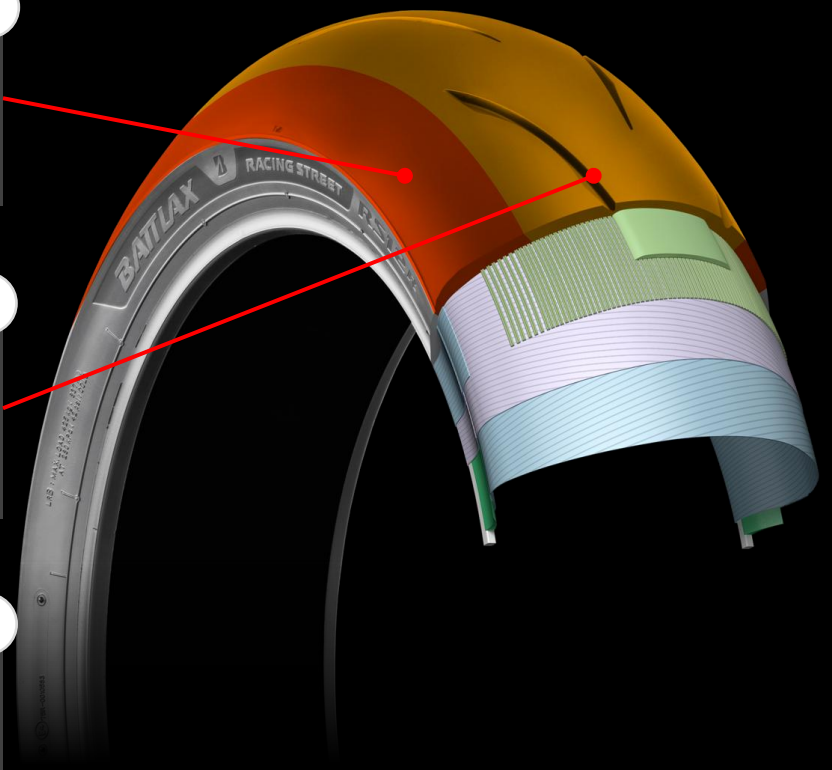
NEW

FRONT

New Steel HE-MS BELT

High-elongation Mono spiral belt

Rear



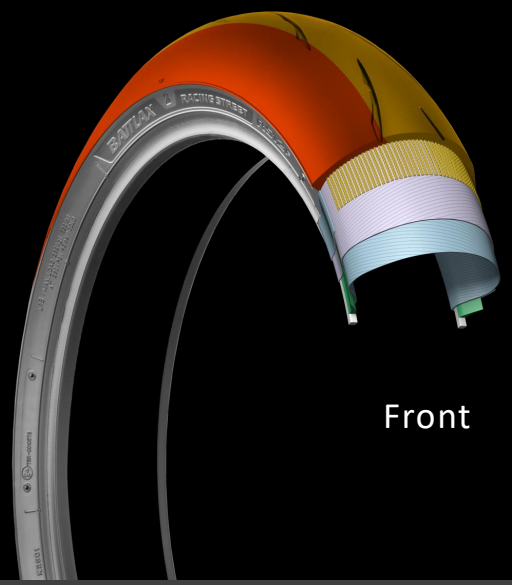
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COMPOUND

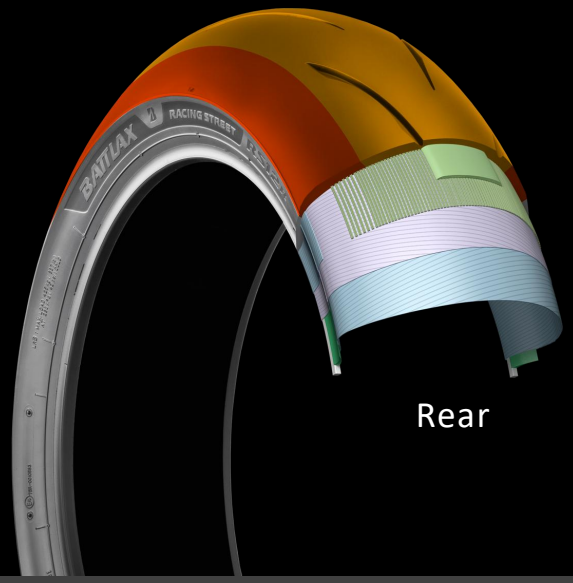
Implementation of race tyre compound

Soft race tyre compound is applied to the shoulder area



Front

Narrow center + Wide shoulder area
> Cornering stability and High grip



Rear

Wide center + Narrow shoulder
> Abrasion resistance and Grip

- 3LC **Compound positioning** optimised in front and rear tyre.
- Front tyre enables to have both **cornering stability and grip**.
- Rear tyre's abrasion improvement contributes to **maintaining high grip performance**.

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PATTERN DESIGN

Groove ratio

New pattern design with optimized groove ratio

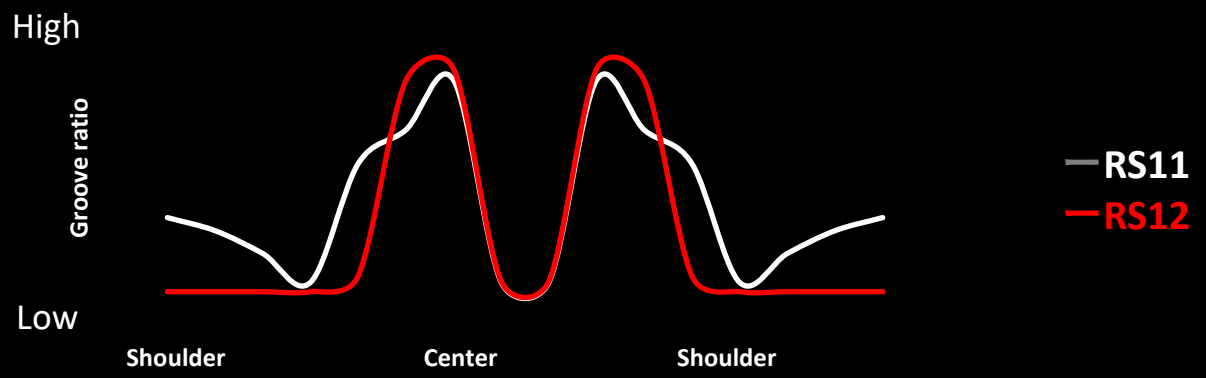
Front

RS11



RS12





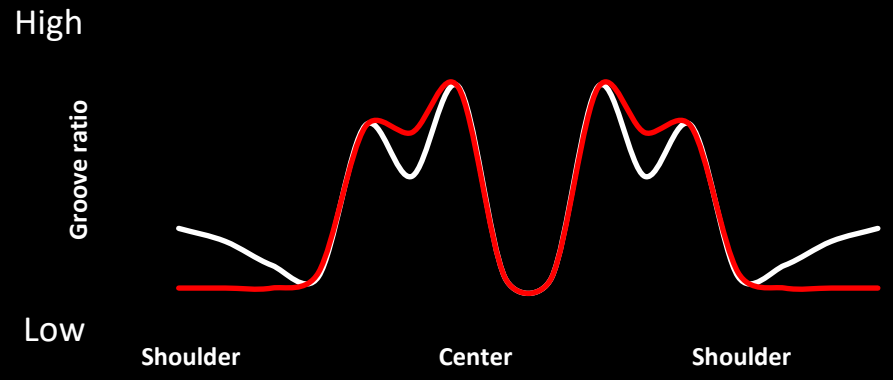
Rear

RS11



RS12





excellent DRY grip at high lean angle

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PATTERN DESIGN

Front

Rear



Redesigned slick shoulder area

-> true racing aesthetic and increased contact patch

-> higher grip levels compared to RS11.

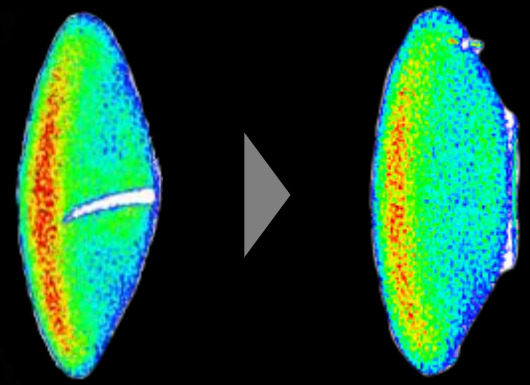
Contact area comparison (INDEX)

Lean angle : 50 degrees

RS11 **RS12**

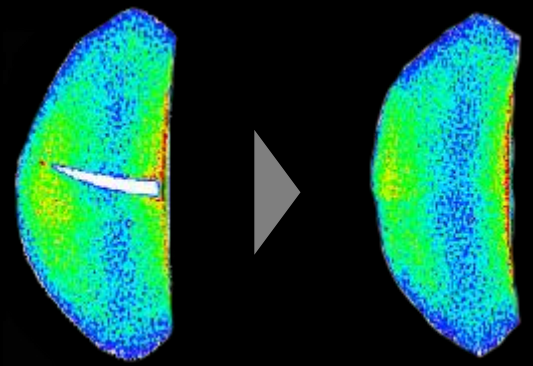
Front

Test condition :
250kPa 1.34kN



Rear

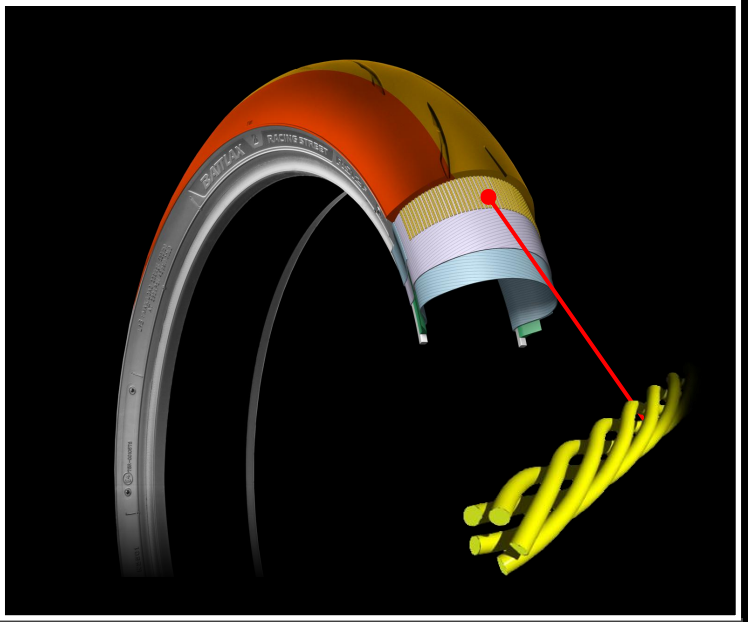
Test condition :
220kPa 1.57kN

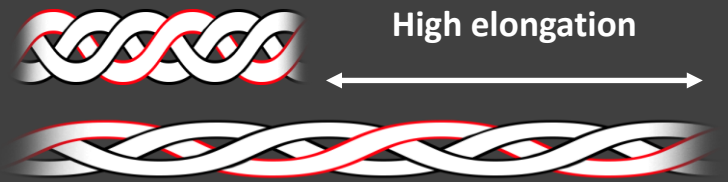


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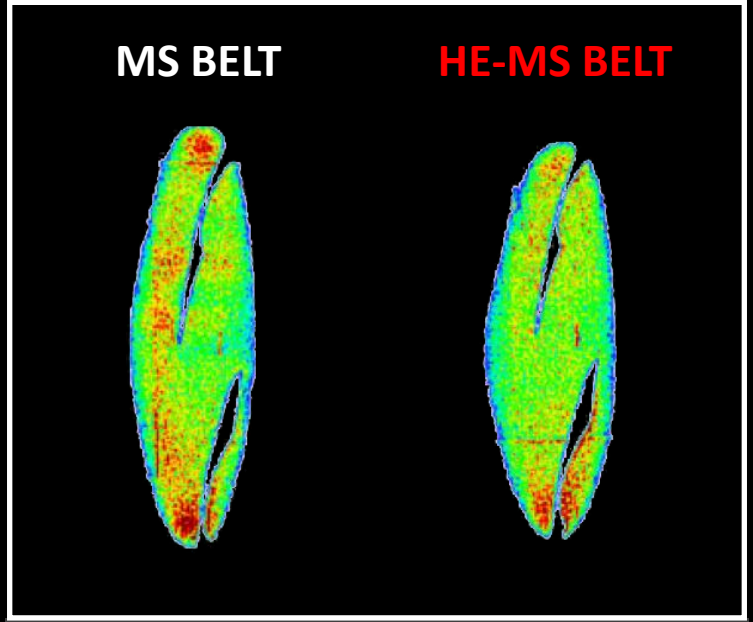
CONSTRUCTION – High-Elongation Mono Spiral Belt

Technology breakdown





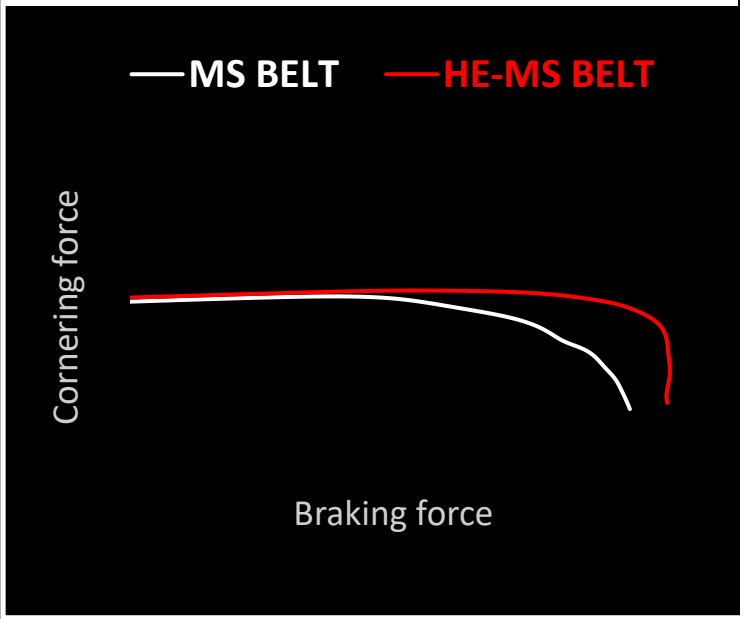
Contact pressure distribution comparison



Equalized contact pressure sticks more to road surface

Condition 250kPa / 2.3kN / CA15°/ SA1°

Grip



Cornering grip improved

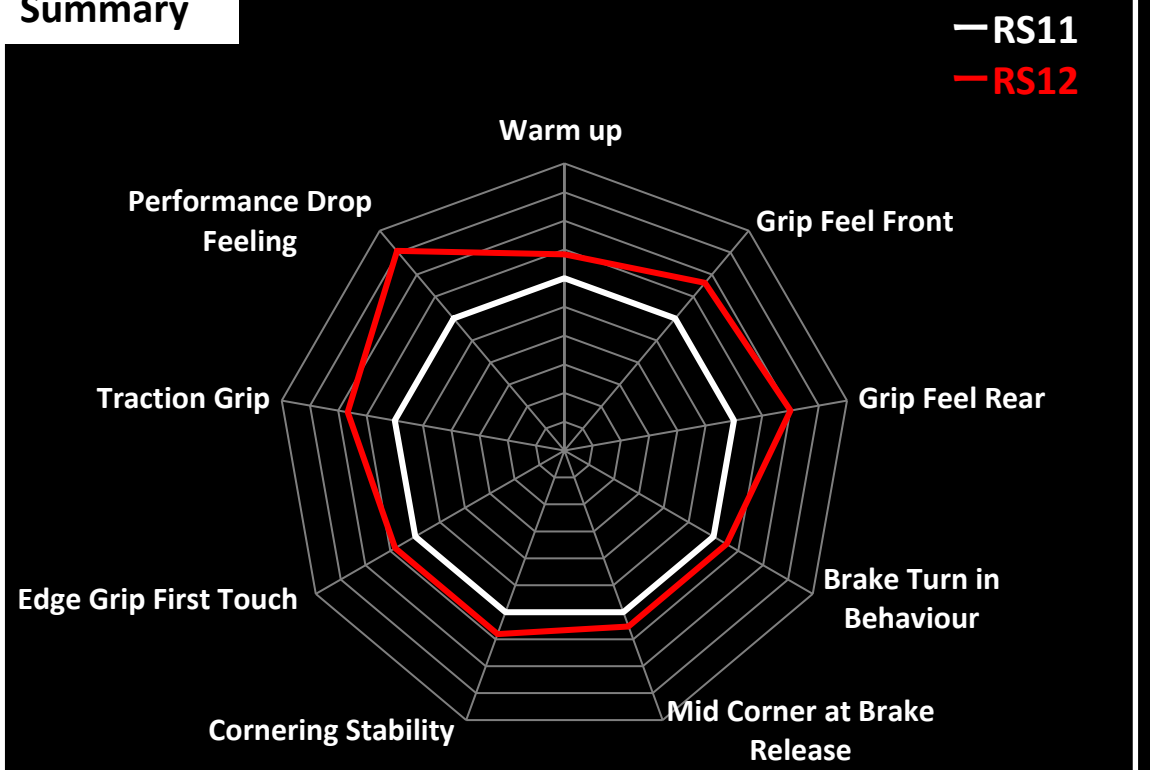
Condition 250kPa / 2.3kN / CA15°/ SA1°

HE-MS BELT is a new technology which **improves** the **elasticity** of the front tyre construction.
By shortening the twist pitch compared to the conventional MS BELT, we create a **more equalized pressure distribution**. As a result, the tyre **sticks more to the surface** and you can brake harder while entering the corner.

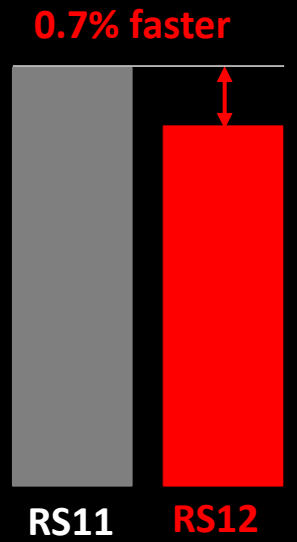
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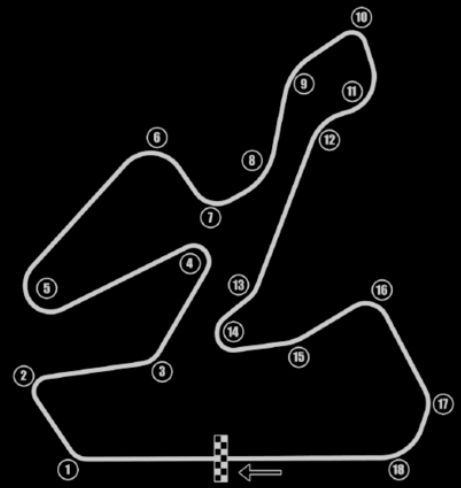
PERFORMANCE OVERVIEW

Summary



Lap time





Test Condition
Date : May 2024
Place : Pannonia Ring, Hungary
Motorcycle : BMW S1000RR
Tyre : RS12 prototype under development
Tyre warmer : Used due to cold condition

Compared to RS11, the Battlax Racing Street RS12 achieves **better performance** in every aspect on DRY track riding, with a **huge increase in consistency** after multiple laps.

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LINE-UP

Available – Jan/Feb 2026

Front	120/70ZR17M/C（58W）TL
Rear	180/55ZR17M/C（73W）TL
	190/55ZR17M/C（75W）TL
	200/55ZR17M/C（78W）TL



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