BATTLAX HYPERSPORT S23



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Solutions for your journey

BATTLAX HYPERSPORT S23

Concept

The Battlax Hypersport S23 is Bridgestone's latest in a long line of high performance hypersport tyres. This new generation allows you to experience the full extent of the ever-increasing power and performance of modern-day sport bikes on the road.

With performance improvements - without compromises - in all areas compared to its predecessor, we made the unthinkable possible. The S23 is the ultimate all-round hypersport tyre.

An updated pattern, incorporating the Pulse Groove Technology, contributes to the tyre's impressive wet weather performance and outstanding dry grip and handling. The brand-new edge compound allows for impressive feedback and cornering performance at high lean angle.

The Battlax Hypersport S23 also benefits from the latest Bridgestone Technologies to ensure stability and mileage, resulting in the new benchmark tyre in its category.



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BATTLAX HYPERSPORT S23

Product concept

Building on the best-in-class, all-round performance of its predecessor, improving in all aspects while also setting the tone in the hypersport segment with incredible cornering grip at high lean angle.

Development methodology

- Implementation of new compound in the front and rear
- New pattern design with updated land-sea ratio and optimised pattern stiffness
- Addition of Pulse Groove technology to the rear tyre
- Maintain the proven shape and construction of S22

Battlax Hypersport S23, the ultimate hypersport tyre

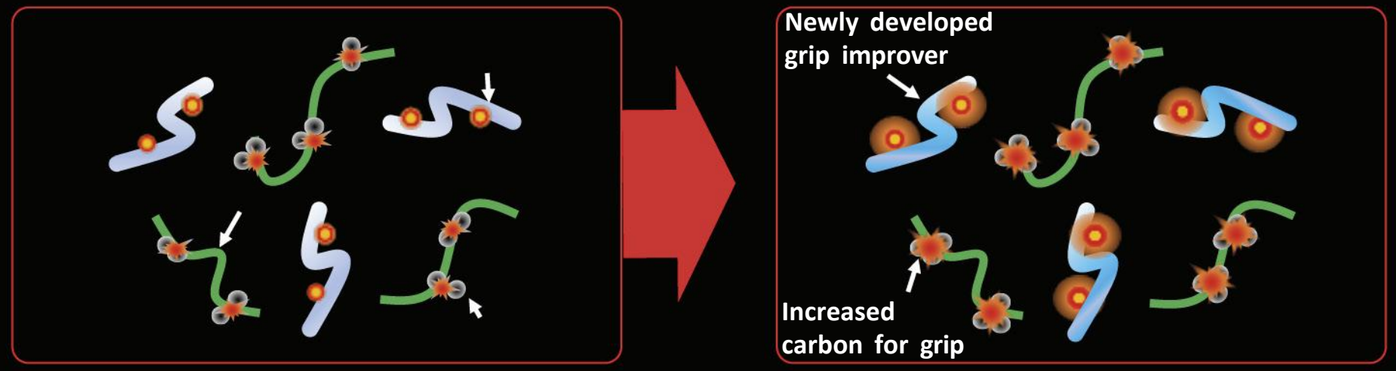
RACE	RACING BATTLAX V02	RACING BATTLAX W01	BATTLAX RACING R11	BATTLAX CLASSIC RACING CR11
HYPERSPORT	BATTLAX RACING STREET RS11	BATTLAX HYPERSPORT S23	BATTLAX HYPERSPORT S22	BATTLAX HYPERSPORT S21
SPORT TOURING	BATTLAX SPORT TOURING T32	BATTLAX SPORT TOURING T31	BATTLAX SPORT TOURING BT-023	BATTLAX BT46
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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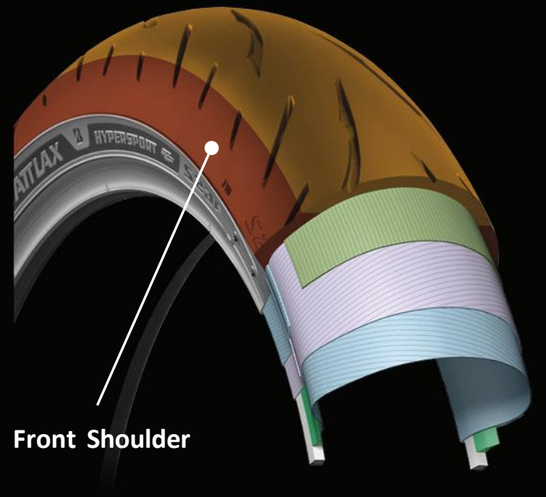
Compound & Construction

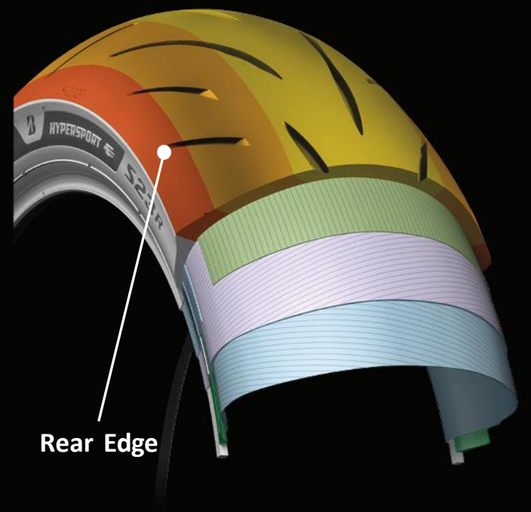
- New compound for front shoulder & rear edge with optimised resin components to enhance grip characteristics.
- Applying S22's state of the art MS-Belt construction and optimal shape
- Benefits:
  - Increased grip at high lean angle
  - Maximum handling performance
  - High speed stability



Grip improver is a material that improves grip by making it easier to follow the road surface.

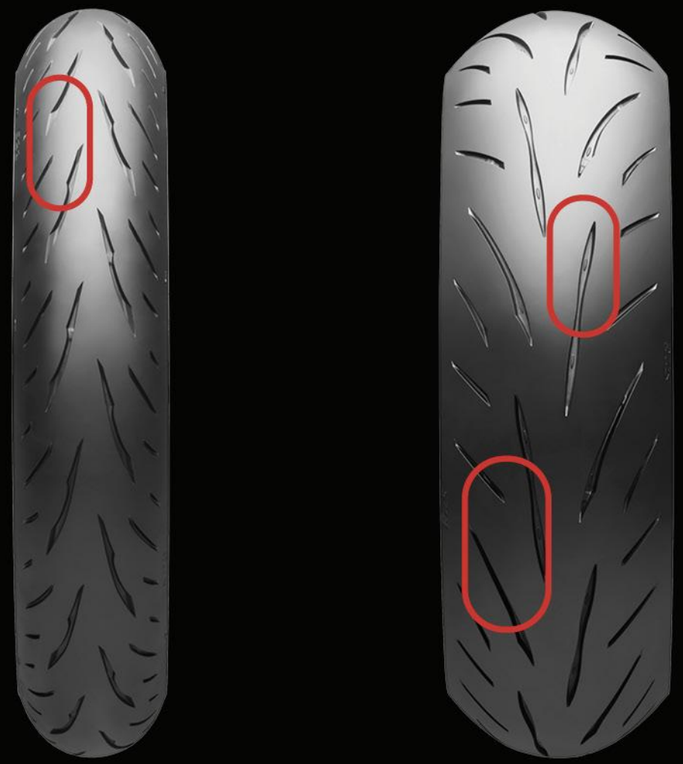
Carbon reinforces the spring-like polymer, preventing the polymer from shrinking losing grip.





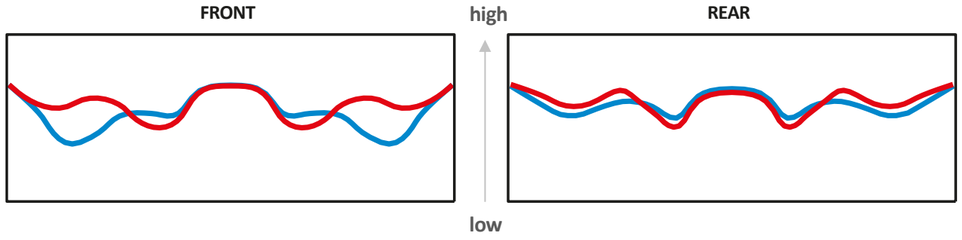
Pattern design

- New pattern design, including Pulse Groove in the rear for better wet performance
- Optimised land/sea ratio in the shoulder area
- Optimised pattern stiffness
  - In the front for DRY handling and stability in DRY and WET
  - In the rear for traction improvement
- Benefits:
  - Increased dry grip, stability and handling
  - More tyre feedback and limit control
  - Improved wet grip and stability



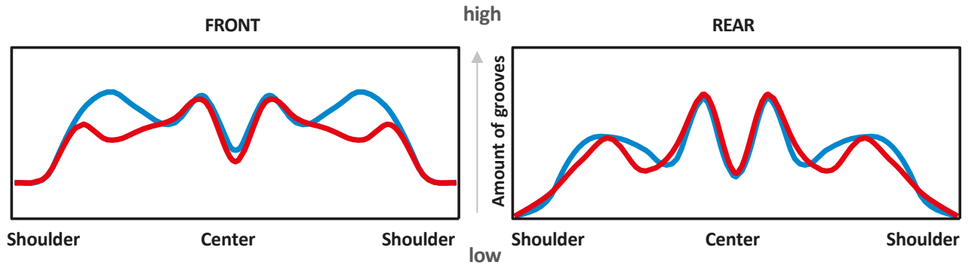
Pattern Stiffness

BATTLAX HYPERSPORT S23
BATTLAX HYPERSPORT S22



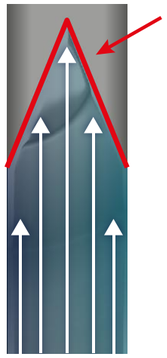
Land-Sea ratio

BATTLAX HYPERSPORT S23
BATTLAX HYPERSPORT S22



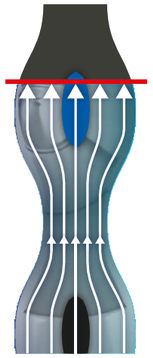
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Pulse Groove technology



Straight Groove
Concentrating waterflow in the center of the groove
Waterflow speed is variable

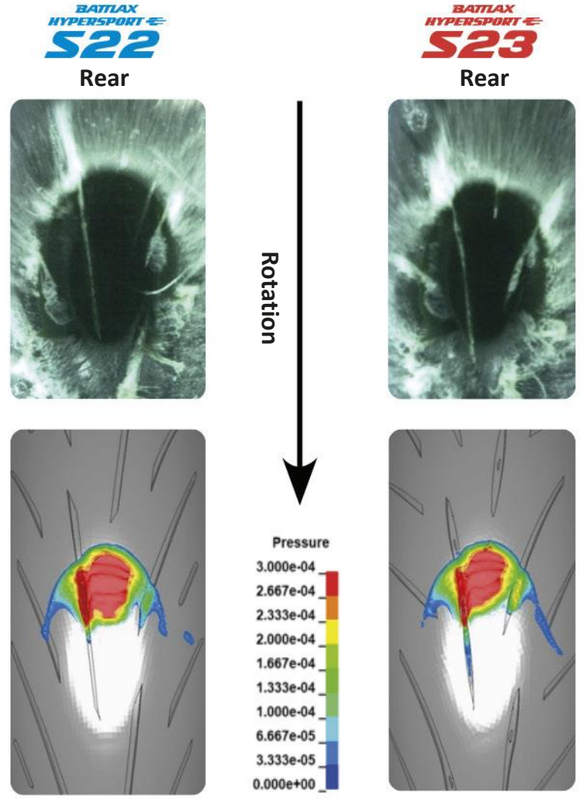
Pulse-shaped groove and deflector
Optimises and speeds up waterflow





- Pulse shaped groove and deflector equalizes water flow
- Optimised flow speed
- Benefits:
  - Improved water drainage
  - Better grip and adhesion in wet conditions

Drainage Resistance Index*
7% improved



* Drainage Resistance Index = Level of water pressure
The higher the water pressure, the more slippery -
because there is water between the tyre and the road surface.

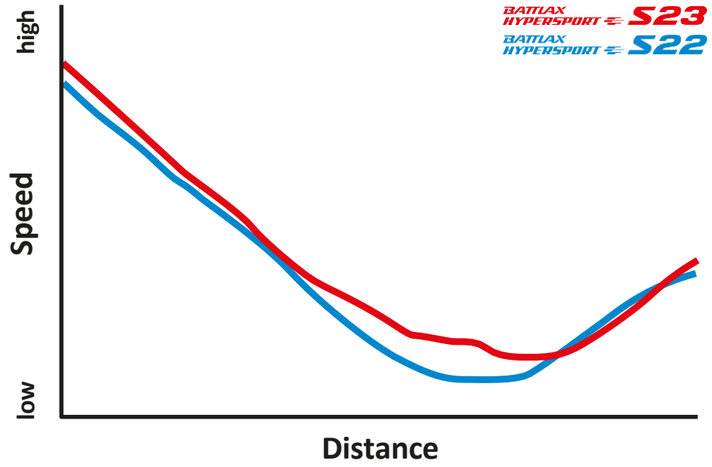
DRY Performance Improvement

- Increased cornering speed by 5%
- 1% faster DRY lap time

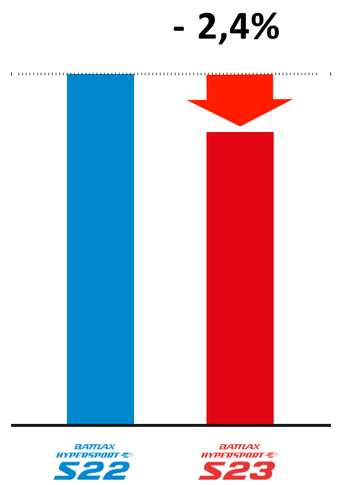
Compared to S22, average lap time is shortened,
especially because cornering speed is faster by far with edge rubber.
S23 offers you a next level sport riding.

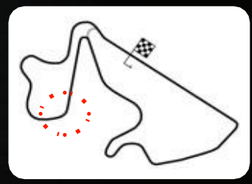


AUTOPOLIS(J) cornering speed



LAPTIME





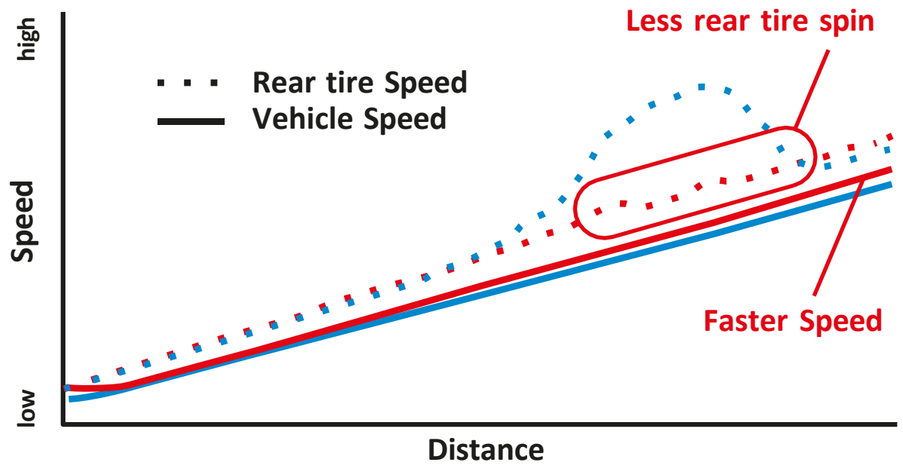
Venue: AUTOPOLIS(J)
Vehicle: YAMAHA YZF-R1
Size: Front 120/70ZR17
Rear 190/55ZR17

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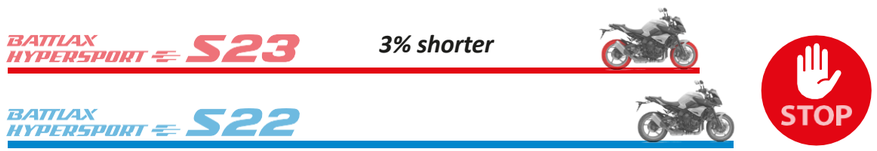
WET Performance Improvement

- 3% shorter WET braking distance
- 4% faster WET lap time

WET Performance

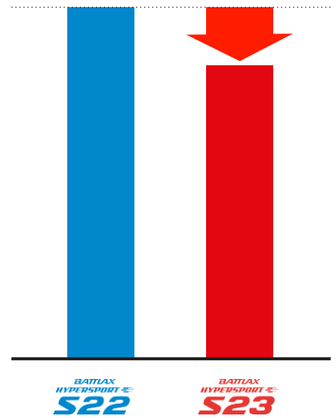


WET BRAKING performance



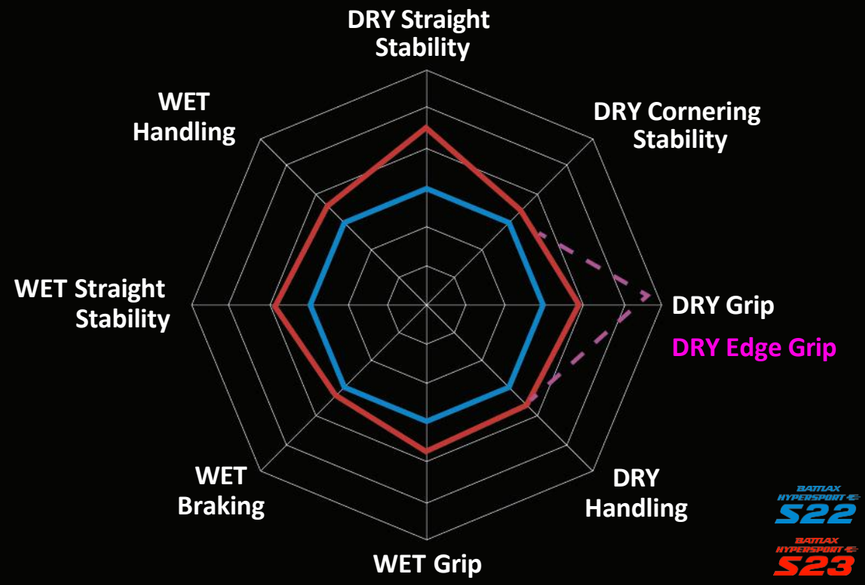
BSPG WET straight course – BMW S1000RR – Fr: 120/70ZR17M/C, Rr: 190/55ZR17M/C

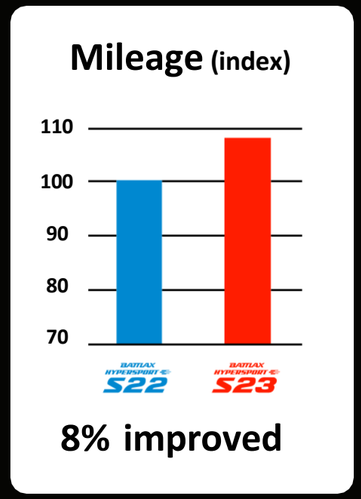
LAPTIME



Summary

- Building on the industry benchmark S22
- Performance increase in all areas, without compromises
- Even more suited for sporty riding due to high Edge Grip
- Beter overall WET performance, including
  - Increased WET grip & handling
  - Shorter braking distance in WET conditions
- 8% mileage increase
- The new reference hypersport tyre



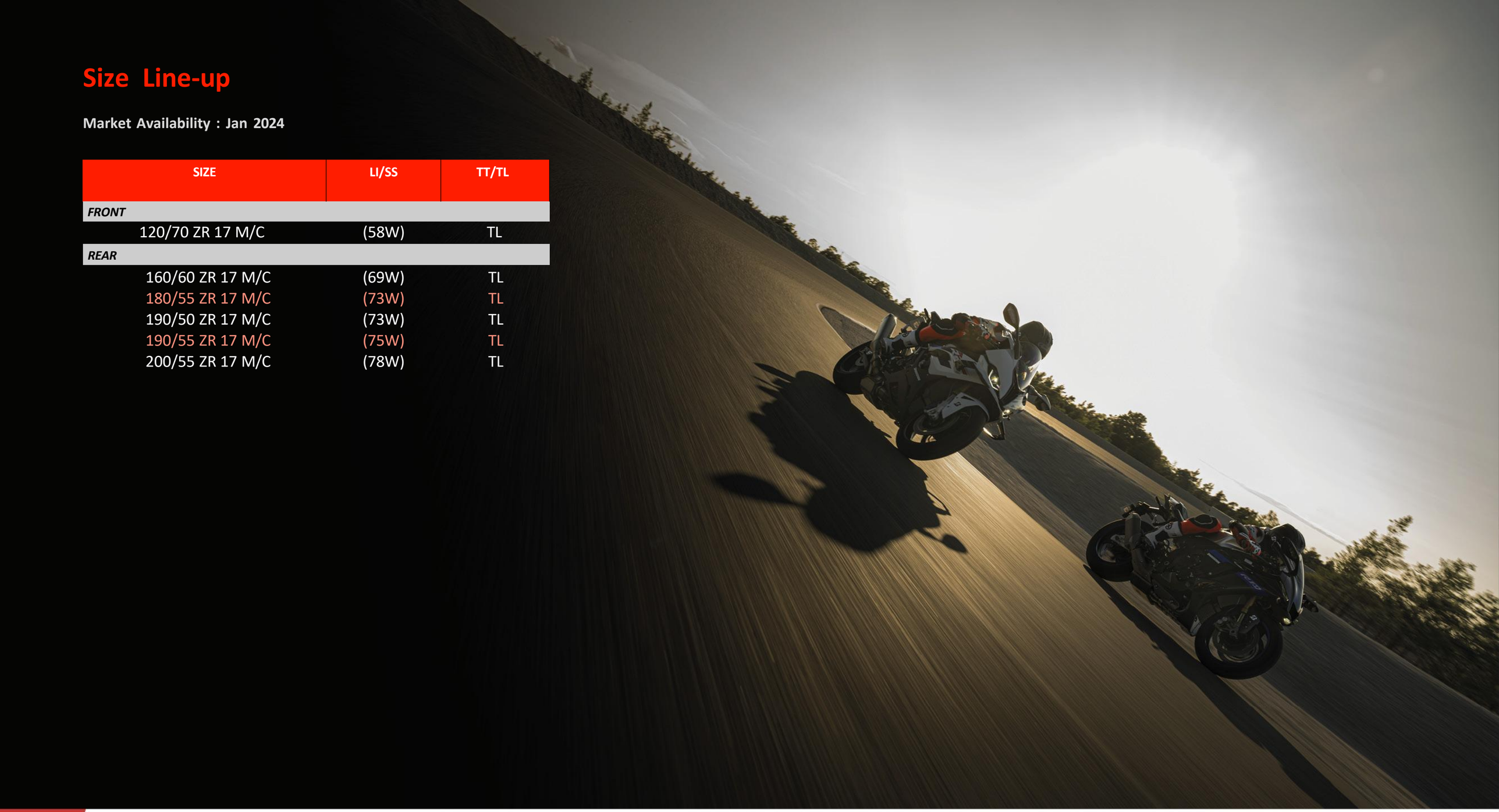


AUTOPOLIS
BMW S1000RR / Yamaha MT-10
Fr 120/70 ZR17 M/C
Rr 190/55 ZR17 M/C

Size Line-up

Market Availability : Jan 2024

SIZE	LI/SS	TT/TL
FRONT		
120/70 ZR 17 M/C	(58W)	TL
REAR		
160/60 ZR 17 M/C	(69W)	TL
180/55 ZR 17 M/C	(73W)	TL
190/50 ZR 17 M/C	(73W)	TL
190/55 ZR 17 M/C	(75W)	TL
200/55 ZR 17 M/C	(78W)	TL





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