



TECHNICAL SHEET



Get ready to experience the ultimate racing performances with the brand new S1-XR GP helmet!

Designed and developed in Italy by the most advanced digital tools, the Suomy helmet has undergone rigorous testing by Ducati Corse Factory World Champion rider Pecco Bagnaia to ensure its top-of-the-line performance.

S1-XR GP meets FIM Standard [the top of the motorcycle helmet standards] and it boasts improved aerodynamics for a smoother ride and professional racing performance, thanks to over three years of wind tunnel and track tests to optimize aerodynamics in various riding positions [straight, cornering and braking position]. Its enhanced vertical and peripheral field of view [92 deg and 210 deg] have a crucial role and allow the rider to experience a safer journey.

But that's not all: S1-XR GP also features a liner that has been expertly crafted for maximum comfort in all conditions. And to top it all off, it has an anti-bacterial coating to keep riders healthy and hygienic. This helmet will be used in the highly-acclaimed MotoGP series and is expected to be a hit with riders everywhere. Don't miss out on this opportunity to upgrade your ride performance and take your motorcycle experience to the next level.

SHELL

The shell is made of TRICOMPOSITE fiber, a new composite that allows to obtain a lighter, but at the same time a harder and more protective shell.

The new composite is a mixture of carbon with different weight/breaking loads linked up with fiberglass and aramidic fibers that ensure a lighter, but much more resistant-to-impacts shell, as FIM normative requests.

To satisfy even the most exigent customers, S1-XR GP is produced in three different shells: S,M and XL.

PROTECTIVE POLYSTYRENE

Internal polystyrene liner is realized in four sizes [S, M, L and XL] to obtain a better ergonomics and a variable density. This characteristic allows a gradual and progressive absorption of the power produced by the impact.

Even if the bigger part of the energy created by the impact is absorbed by the external shell, thanks to its deformation, the role of polystyrene is crucial for the absorption of the residual power.

A different density of the polystyrene allows to optimize the mechanical performance of the shell-polystyrene, ensuring the maximum level of absorption in all areas of the helmet as requested by FIM normative.

VISOR

The visor is PC injected, antiscratch, with variable thickness. It is easy to remove thanks to a system that doesn't require the use of any tool. The release lever is made of a particular light metal alloy that gives greater solidity to the assembly. The visor is also equipped with a locking mechanism "Racing Lock System" in light metal alloy. The mechanism reduces the possibility of detachment in case of crash and makes the system more intuitive. S1-XR GP is prepared for racing tear off.



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PINLOCK

S1-XR GP is prepared and equipped with PINLOCK® MAX VISION 120, the most performing antifog system in the market.

VENTILATION

It is during the hottest Grand Prix that the most is asked to the rider, requiring concentration and endurance. Being able to count on efficient ventilation makes all the difference.

S1-XR GP spots seven air intake ducts which work in conjunction with a neatly integrated channel system, guaranteeing excellent airflow inside the helmet.

The hot air extraction is a marvel of aerodynamics: two submerged air extractors, working together with the rear spoiler create a Venturi effect over the exhaust ports, draw out the hot air.

INNERS

The cheek pads and the internal comfort can be removed, washed and replaced.

They are made of precious Hydrocool fabric with specific fibers that offer the following features:

- Send away sweat from the head
- Keep fresh and dry
- Light fabric, soft and breathable

Cheek pads are customizable and easily removable in case of emergency thanks to the quick release system.

S1-XR GP is prepared for the camel-bag system.

RETENTION SYSTEM

The chin is provided with DD-rings retention system enabling an easy release of the retain system.

SPARE PARTS

Nose deflector, Air chin curtain



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S1-XR GP

Homologations:	ECE 2206 - FIM
Commercial name:	S1-XR GP
Description:	FULL FACE HELMET
Materials Shell:	TRICOMPOSITE (Carbon, fiberglass, aramidic)
Polystyrene:	IN FOUR SIZES (S, M, L, XL)
Visor:	ANTI-SCRATCH WITH UV 380 RAY FILTERS,
Antifog system:	PINLOCK MAX VISION 120
Retention System:	DD rings
Approx weight:	1400 gr ±50 in size M
Nr. Shell:	3
Nr. Polystyrene:	4

SHELL	S	M		L		
EPS SIZE	S	M		L	XL	
END USER SIZE	XS	S	M	L	XL	XXL
CIRCUMFERENCE CM	53-54	55-56	57-58	59-60	61-62	63

NOTE

- All information and features in this data sheet are valid only for the current helmet version in compliance with the mentioned homologation. These features can be changed in case of new homologation requests and/or extension of the current ones.
- All the SUOMY products are constantly subject to a continual improvement process, that's why SUOMY reserves the right to make changes, without prior notice, to the products object of this technical sheet. It is therefore not possible to exercise any rights on the basis of the information, illustrations and descriptions contained in this technical sheet.

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