



F43
SP

F43SP USD43 Sealed & Pressurized Front Fork

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THE HIGH-END CONCEPT OF MATRIS

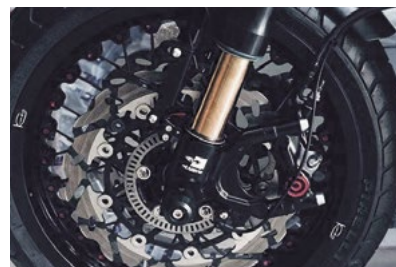
The F43SP fork is our most innovative high-end product, better than what you have ever seen.

It utilizes our top of range "Speed Sensitive System" F25SP Nitrogen pressurized cartridge housed within our fork body to set a new market standard.

Not having an external volumetric compensation tank, dimensions and weights of the front axle are reduced improving performance, handling and feeling response in sporting use.

Simply design, easy setting.

The damping asymmetrical adjuster units of **Compression** and **Rebound**, together with **Preload** are integrated in the upper fork cap for simple and practical operation.



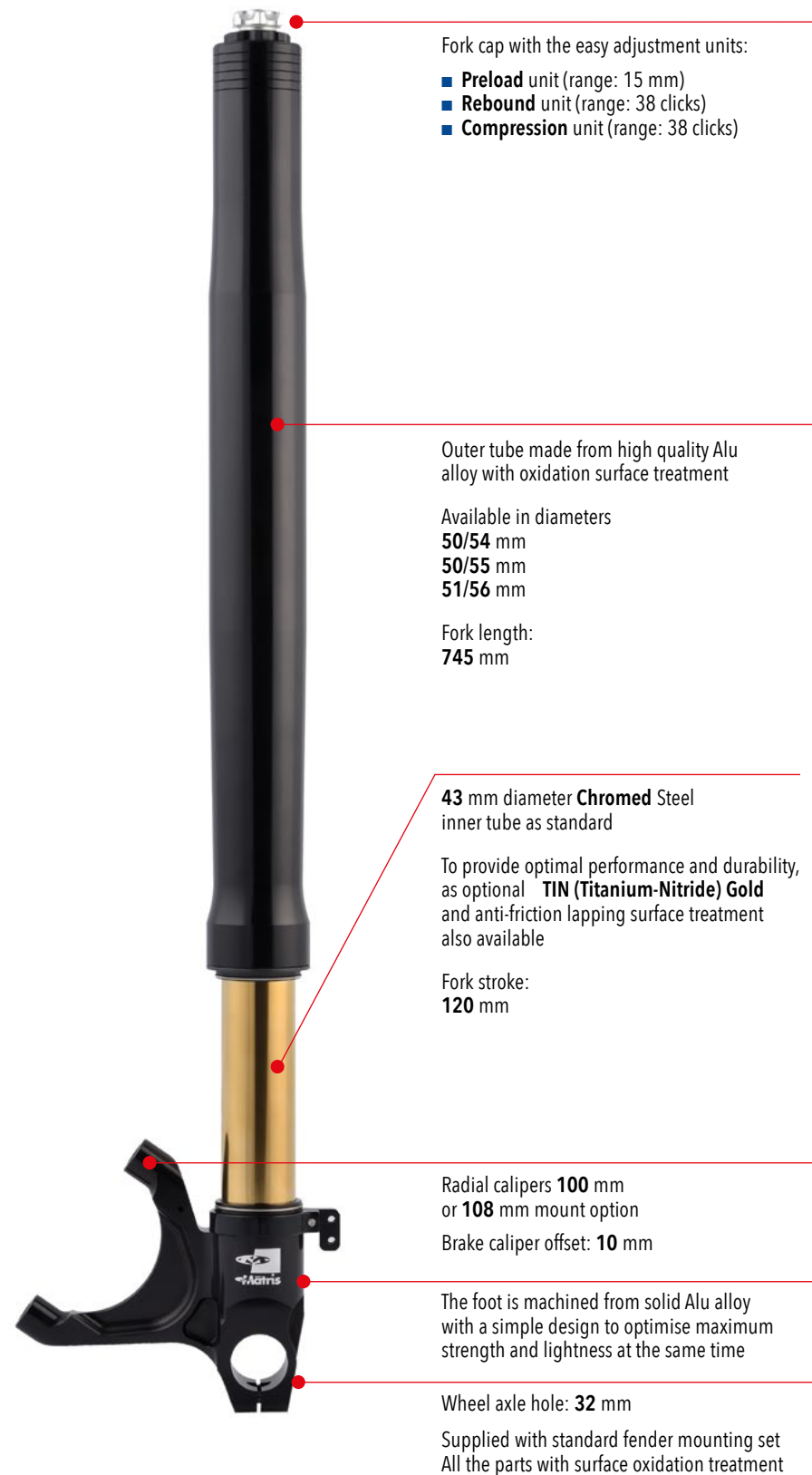
La forcella F43SP è il nostro prodotto di fascia alta più innovativo.

Utilizza la nostra cartuccia F25SP top di gamma, pressurizzata Azoto, "Speed Sensitive System" con l'obiettivo di stabilire un nuovo standard di mercato.

Non avendo un serbatoio di compensazione volumetrico esterno, le dimensioni e i pesi dell'assale anteriore sono ridotti migliorando le prestazioni, la maneggevolezza e il feeling nell'uso sportivo.

Design semplice, regolazione facile.

Le unità di regolazione, asimmetriche, di Compressione ed Estensione, insieme a Precarico molla, sono integrate nel tappo superiore della forcella per un azionamento semplice e pratico.



Fork cap with the easy adjustment units:

- Preload unit (range: 15 mm)
- Rebound unit (range: 38 clicks)
- Compression unit (range: 38 clicks)

Outer tube made from high quality Alu alloy with oxidation surface treatment

Available in diameters
50/54 mm
50/55 mm
51/56 mm

Fork length:
745 mm

43 mm diameter Chromed Steel inner tube as standard

To provide optimal performance and durability, as optional **TIN (Titanium-Nitride) Gold** and anti-friction lapping surface treatment also available

Fork stroke:
120 mm

Radial calipers 100 mm
or 108 mm mount option
Brake caliper offset: 10 mm

The foot is machined from solid Alu alloy with a simple design to optimise maximum strength and lightness at the same time

Wheel axle hole: 32 mm

Supplied with standard fender mounting set
All the parts with surface oxidation treatment

asymmetric adjustment system

Rebound unit with reference clicks
(range: 38 clicks)

Compression unit with reference clicks
(range: 38 clicks)

Preload unit assembled on axial roller bearings, with reference clicks
(range: 15 mm)



Technopolymer spring guide

Linear spring in Si-Cr alloy Steel, available in different rates, based on the bike model and rider weight are provided

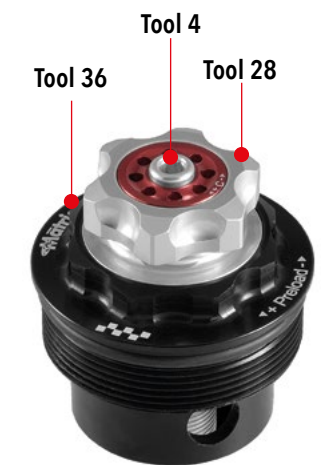
12 mm diameter pumping-rod made from Alu alloy with anti-friction lapping and hard oxidation surface treatment

Cartridge cylinder made from Alu alloy with lapped finish to grant an effectively "zero" friction and oxidation surface treatment

25 mm diameter Compression and Rebound valves, machined from Alu alloy billet, with its own dedicated shims set and flow dynamics specially designed for total hydraulic damping control

Damping by hydraulic sealed and pressurized cartridge "Speed Sensitive System" F25SP series

Blue ring: Rebound feature
Red ring: Compression feature

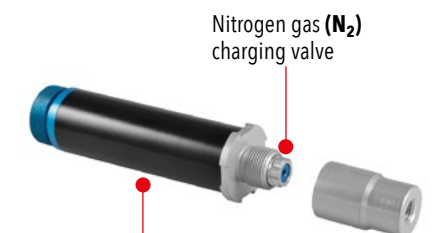


On demand the technopolymer fork cap tools are available

TF2 fork cap tool 36 (8 sides)



TF3 fork cap tool 28 (6 sides)



Internal volumetric compensation tank with fully floating valve pressurized

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