

RACEBIKE STK

FULLY ASSEMBLED AND RACE-READY MOTORCYCLE BY ALPHA RACING.
MODEL RC-STK-S (MY23)



TECHNICAL DATA

Capacity/engine	999cc, water/oil-cooled 4-cylinder with 4-stroke in-line engine, four titanium valves per cylinder and BMW ShiftCam, by BMW Motorrad
Frame	Aluminum composite bridge frame, partially self-supporting engine, by BMW Motorrad
Output	154 kW (210 hp) at 13,750 rpm
Bore x Hub	80 x 49.7 mm
Compression ratio	13.3:1
Gearbox	Constant-mesh 6-speed gearbox with straight cut gears
Electronics	M Race Calibration Kit, by BMW Motorrad Motorsport
Tank capacity	16.5 l
Lubrication	Wet sump
Dry weight	165 kg
Wheelbase	1,457 mm
Length	2,073 mm
Width	590 mm
Front wheel control	Upside-down telescopic fork, Öhlins NIX30 cartridge kit
Rear wheel control	Underslung swing arm, full-floater central spring strut Öhlins TTX GP
Front brake	Dual floating disc brakes, 4-piston fixed calipers, diameter 320 mm
Rear brake	Single disc brake, diameter 220 mm, single piston floating caliper
Exhaust system	Akrapovic 4:2:1 Racing exhaust system
Wheels	PVM forged wheels
Tyres	Pirelli Diablo SBK Slicks

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PARTS LIST

Engine	Clutch cable Motorsport Engine cover protection kit, by GBRacing Cover kit SAS Cover SAS - airbox Oil filler plug kit Magnetic oil drain plug Oil filter locking kit Plug kit throttle valve body Airbox intake plug kit Advantec Ultimate 5W40 engine oil, by BMW Motorrad
M Race Calibration Kit	C125 dashboard, by Motec GPS antenna, by Motec Oil pressure switch Switch unit left 5 button Switch unit right on throttle E-throttle kit SBK Conversion kit ON/OFF switch Bracket Fast Shift Sensor connector USB connecting cable USB 3.1 Flash Drive Rain light switch Rain light kit Speed module
Fuel tank	Fuel tank cap Fuel tank foam cubes Fuel tank lock bolt with clip Expansion tank kit fuel tank
Cooling	Radiator hose kit, by Samco Sport Radiator protection fence Radiator cap 1.8 bar
Exhaust	4:2:1 Exhaust system Racing Line, by Akrapovic Muffler bracket carbon
Final drive	Front sprocket 520 Rear sprocket aluminium 520 Racing chain 520, by D.I.D Sprocket lock washer
Steering	Clamps for upper triple clamp Racing handlebar kit Handlebar grips, by HRC Brake lever guard Remote adjuster for brake lever Clutch lever long Brake lever long Steering damper SD 064, by Öhlins
Front fork	Cartridge Kit NIX30 FGK 240, by Öhlins Cartridge adjustment lock Cover for OEM upper triple clamp
Rear shock	Rear shock TTX GP BM 568, by Öhlins
Brake system	Brake pad set, Duo Sinter Front brake discs 320 x 6 mm Brake line, front Mounting kit racing brake line, front Brake line, rear Reservoir sock cover

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Frame & Accessories	Dashboard and fairing carrier, aluminium welded Racing subframe, light Racing rearset Steering stopper kit Crashpad kit
Bodywork	Fiberglass bodywork kit 6-piece, by Ilmberger Carbon Bodywork mounting kit Windscreen, by MRA Fiberglass airbox cover, by Ilmberger Carbon Fiberglass race tail, by Ilmberger Carbon Fiberglass seat bench plate short, by Ilmberger Carbon/Race Seats Fiberglass front fender, by Ilmberger Carbon
Electronics & Brackets	Bracket voltage regulator Protective housing for Motec C125 dashboard ECU bracket Retainer kit race wiring loom Battery bracket kit
Wheels	Aluminium forged wheels, by PVM
Tyres	Diablo slick 125/70 17, by Pirelli Diablo slick 200/65 17, by Pirelli
Accessories	Y rear stand support kit Rear paddock stand Traction pad set clear, by StompGrip Headlight decal kit alpha Racing decal kit USB flash drive with M Race Calibration Kit data
Base price	33.900,00 € net.

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OPTIONAL EQUIPMENT AND SERVICE PACKAGES.
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SPECIAL EQUIPMENT

Performance Package

The Performance Package contains optimized racing components for improved engine performance. The air intake is a direct development from the BMW Motorrad WorldSBK Team and ensures an improved air flow to the airbox, together with the specially developed BMC air filter, there is a significant increase in engine performance. The package is complemented by a finely working, fully adjustable slipper clutch from Suter Racing.

- Air intake kit SBK
- Racing air filter type D, by BMC Air Filter
- Slipper clutch racing, by Suter Racing
- Clutch cable kit Motorsport

+ 2.050,00 € net.

Pro Race Package

The Pro Race Package offers racing-optimized components that improve handling and longevity on the racetrack. The gear position sensor, the vibro polished quick release axles and the special linkage bolt for the swing arm linkage are designed for increased durability and performance. The practical fuel drain kit makes it easier to empty the fuel tank and thus work on the bike.

- Racing gear position sensor
- Quick release rear and front axle
- Quick release kit, for rear and front axle
- Special bolt linkage
- Fuel drain kit

+ 700,00 € net.

Sensor Package

The Sensor Package contains high quality sensors for suspension and brake pressure that are specifically tailored to racetrack use. This forms the basis for a professional analysis of suspension elements and riding dynamics. The suspension sensors from 2D are race-tested and are installed in lengths of 175/100 mm (front/rear). The brake pressure sensors for the front and rear brakes are also from 2D. All sensors are adapted to the motorsport kit wiring harness of the M Race Calibration Kit.

- Linear potentiometer front & rear, by 2D
- Brake pressure sensors front & rear, by 2D
- Assembly material

+ 1.850,00 € net.

Carbon Package

The Carbon Package wraps the bike in high-quality carbon. All bodywork components are replaced by aerodynamically optimized prepreg carbon parts. The perfect weight-to-strength ratio ensures increased protection for parts that are sensitive to falls, as well as increased performance thanks to the weight savings.

- Carbon bodywork kit
- Carbon front fender
- Carbon airbox cover
- Carbon race tail incl. seat

+ 2.000,00 € net.

UPGRADE OPTIONS

Öhlins TTX 25 cartridge kit FKR 122

+ 748,20 € net.

Akrapovic Evolution Line

+ 535,50 € net.

Brembo radial master cylinder 19RCS

+ 295,00 € net.

Carbon protection kit (frame & swingarm)

+ 530,00 € net.

Front brake air ducts

+ 600,00 € net.

Aero Wheel Cover Kit

+ 999,00 € net.

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ADDITIONAL EQUIPMENT

Pitbox Package

The package contains many practical service products for use on site at the racetrack. In addition to the interface components for the bike electronics, the package includes special tools for setting the bike geometry, a high-quality tyre warmer set, assembly bike stands and other accessories for the perfect appearance in the pitbox.

- M Race Calibration Kit Interface Module
- Enet interface cable for Motec dashboard, Ethernet/OBD2
- Front bike stand
- Footrest support stand kit
- Ride height tool kit
- Handlebar tool
- Laptop support tool
- Assembly assistance front axle
- Tyre warmer kit >EVO< Superbike
- Bike carpet
- Bike cover

+ 1.850,00 € net.

Drive Train Package

The Drive Train Package offers a variety of transmission options (final drive) for different racetracks and driving styles. The package includes three different chain sprockets (15-17) and aluminum sprockets from 40 to 46 teeth. Also included are an additional racing chain from D.I.D pitch 520, a matching chain lock and a sprocket lock washer.

- Front sprockets, T= 15/16/17
- Rear sprockets, T= 40/41/42/43/44/45/46
- D.I.D racing chain 520
- 5x D.I.D master link
- 5x Sprocket lock washer

+ 550,00 € net.

Spare Wheels Package OZ Motorbike

The Spare Wheels Package offers a complete set of replacement wheels from OZ Motorbike. The aluminum wheels are delivered pre-assembled and are equipped with brake discs, sensor rings for the wheel speed and sprocket carrier. A set of aluminium sprockets from 41 to 45 teeth completes the package and allows a wide variety of transmission options.

- OZ Motorbike Gass SBK wheel set 3,5"/6,0" x 17"
- Brake discs front, 320 x 6 mm
- Brake disc rear, 220 x 4 mm
- Rear sprockets, T= 41/42/43/44/45 (for OZ Motorbike wheels)
- Wheel speed sensor rings
- Assembly material

+ 2.900,00 € net.

Spare Wheels Package PVM

The Spare Wheels Package offers a complete set of replacement wheels from PVM. The aluminum wheels are delivered pre-assembled and are equipped with brake discs, sensor rings for the wheel speed and sprocket carrier. A set of aluminium sprockets from 41 to 45 teeth completes the package and allows a wide variety of transmission options.

- PVM 3V Design wheel set 3,5"/6,0" x 17"
- Brake discs front, 320 x 6 mm
- Brake disc rear, 220 x 4 mm
- Rear sprockets, T= 41/42/43/44/45 (for PVM wheels)
- Wheel speed sensor rings
- Assembly material

+ 3.000,00 € net.

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ADDITIONAL EQUIPMENT



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Spare Wheels Package BMW M Forged

The Spare Wheels Package offers a complete set of BMW Motorrad M Forged wheels. The aluminium wheels are delivered pre-assembled and are equipped with brake discs, sensor rings for the wheel speed and sprocket carrier. A set of aluminium sprockets from 41 to 45 teeth completes the package and allows a wide variety of transmission options.

- BMW M Forged wheel set 3,5"/6,0" x 17"
- Brake discs front, 320 x 6 mm
- Brake disc rear, 220 x 4 mm
- Rear sprockets, T= 41/42/43/44/45 (for BMW M Forged wheels)
- Wheel speed sensor rings
- Assembly material

+ 2.700,00 € net.

SERVICE PACKAGES

Setup Package

This service package includes an individually tailored racebike and an introduction to the software management of the M Race Calibration Kit. Personal training to the extensive motorsport kit electronics (M RCK) as well as a mapping individually tailored to the customer. In addition, the suspension elements and the ride height are adapted to the rider.

- M Race Calibration Kit training
- Individual ECU mapping
- Suspension setup
- Ride height setup

+ 800,00 € net.