



**CBR**  
FIREBLADE



# BORN TO RACE

Introduced in 1992, Honda's iconic Fireblade took the world by storm, evolving into an incredible 1000cc machine while creating a legacy both on the track and off it. The motorcycle was also a blueprint for many competitive racing machines, and has even left a mark on The Isle of Man TT.

The legend of Fireblade has evolved to grow bigger with time, and in 2020 we are here with two new variants created along with Honda Racing Corporation. The CBR1000RR-R Fireblade and CBR1000RR-R Fireblade SP are worthy of furthering the legacy of the original Fireblade.

The design of both the variants in terms of the engine, handling and aerodynamics is focused on sheer track performance. The fact that the engine and chassis technology of the RC213V-S 'street-legal MotoGP machine' and the aerodynamics of RC213V MotoGP bike has been used in creating these machines leaves no doubt of what they could achieve on the tarmac.



Product shown in the picture may vary from actual product available in the market. Accessories shown in the picture are not part of standard equipment. All features may not be part of all variants. The illustrated motorcycle is prepared for use on track. The motorcycle approved for roads includes indicators, mirrors and licence plates.

## POWER ON DEMAND

The new CBR1000RR-R uses an all-new Bore and Stroke (81mm x 48.5mm), same as the MotoGP's RC213V motorcycle.

Armed with finger-follower rocker arms, this design reduces the inertia weight of the valve system. DLC (diamond-like carbon) coating reduces friction resistance on surfaces sliding against the cam and tappet shim. The pistons are forged out of A2618 aluminium, the same material used in the RC213V.

Each piston is now lighter by approximately 5% compared to the previous model, even though the bore is bigger.

Improvements in the crankshaft and intake valve angle increase the ventilation efficiency.

All of these upgrades together contribute to the CBR1000RR-R's higher redline.



## SMART KEY

Eliminating the traditional keyed ignition not only adds convenience, but also lets us streamline the intake ducting for better airflow. Plus, it gives the top triple clamp the look that you would see on true racing motorcycles.

## FULL-COLOUR TFT METER

The CBR1000RR-R Fireblade is equipped with a larger instrument screen with a higher resolution than previous CBR models. You can choose from a menu of screen setting options that display the information you want in a format you prefer, with items like engine temperature, riding modes, speedometer and tachometer, shifter setting, ABS level, gear position, remaining fuel, and much more.





## **THROTTLE-BY-WIRE SYSTEM (TBW)**

The CBR1000RR-R Fireblade's throttle-by-wire system smoothens and improves throttle response, especially at the critical initial throttle opening. Plus, adopting TBW makes it possible to integrate the CBR1000RR-R Fireblade's riding mode system.

## **LIGHTER THAN EVER**

The CBR1000RR-R Fireblade uses a light-weight aluminium frame with 2mm thick wall sections. Vertical and torsional rigidity have increased by 18% and 9% respectively, and horizontal rigidity decreased by 11% for better feel and performance.

The titanium connecting rods and the rod bolts thread directly into the rod body so there's no separate fastening nut. The design reduces weight by approximately 50% compared to a steel rod, and is the same design as the RC213V-S rod.



## **Honda SELECTABLE TORQUE CONTROL (HSTC)**

With Honda Selectable Torque Control (HSTC), we've got your back while you remain in control. Here's how it works: the system automatically adjusts engine power to optimize torque at the rear wheel, reducing rear-wheel slip. You get your choice of five power curves, ten torque control levels, three engine braking levels, and now three selectable levels of wheelie control so it's easier than ever to dial your motorcycle in at the track.

# ÖHLINS SECOND-GENERATION SMART EC SUSPENSION (Exclusive to SP)

The CBR1000RR-R Fireblade SP uses an electronically controlled NPX fork manufactured by Öhlins. By adding a pressurized damping system to the NIX fork used by the previous CBR1000RR SP, cavitation inside the damper is minimized to stabilize damping force more and improve bump absorption.



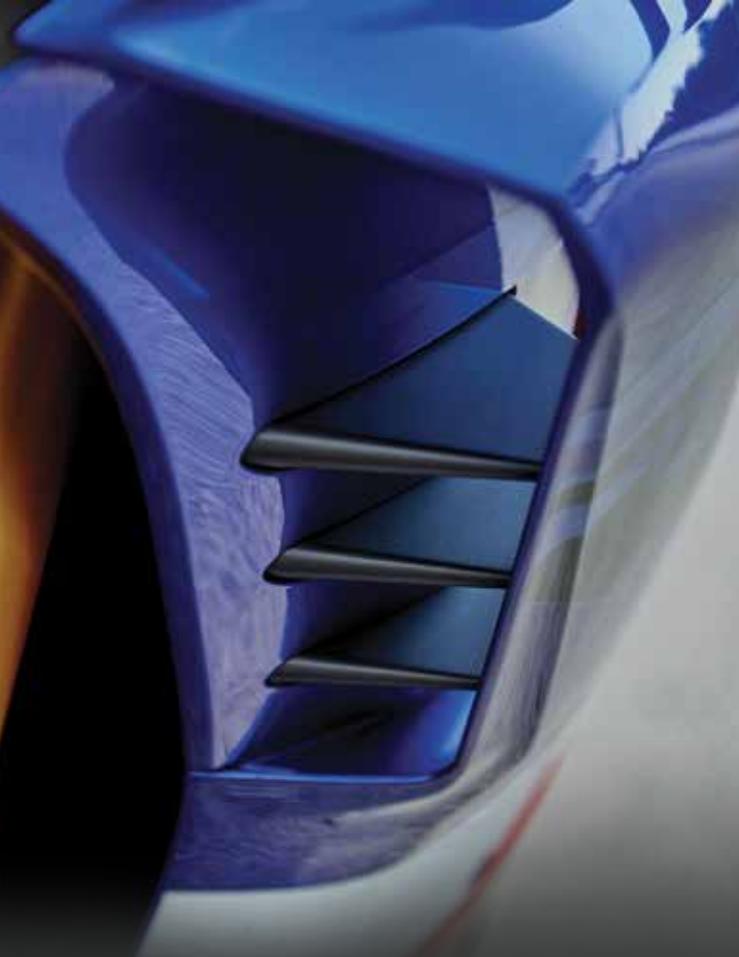
## DESIGNED FOR TOTAL CONTROL

The CBR1000RR-R Fireblade's wheelbase is just 57.3 inches for super-responsive handling, while the swingarm measures 24.5 inches in length. The crankshaft centerline is 33mm farther from the front axle and 16mm higher for better front/rear balance with a rider onboard. Rake angle is 24 degrees, with 101.2mm of trail. The swingarm has been extended by 30.5mm for improved traction on the track. Also, horizontal swingarm rigidity was reduced by 15%, while the vertical rigidity remains the same.

## TITANIUM MUFFLER

The CBR1000RR-R Fireblade's muffler was developed jointly with Akrapovič. It's made out of titanium which decreases the weight, and the design also contributes to the motorcycle's mass centralization. A special valve in the exhaust helps boost torque at lower revs and increase horsepower at higher rpm.





## **AERODYNAMIC WINGLETS**

The CBR1000RR-R Fireblade is equipped with winglets which effectively generate downforce at track speeds. Three wings are installed in each of the right and left ducts in order to address downforces.

## **BREMBO BRAKES (Exclusive to SP)**

The CBR1000RR-R Fireblade SP's front brake discs are 330mm in diameter to improve braking force. The bike features Brembo Stylema front calipers while the rear caliper is the same as the Brembo used for RC213V-S. Even the brake master cylinders and front-brake levers are supplied by Brembo, offering comprehensive braking performance.



## **COLOURS**



**GRAND PRIX RED (SP)**



**MATTE PEARL MORION BLACK (STANDARD)**



**GRAND PRIX RED (STANDARD)**

## TECHNICAL SPECIFICATIONS\*

		CBR1000RR-R STD	CBR1000RR-R SP
<b>ENGINE</b>	Type	Liquid-cooled 4-stroke 16-valve DOHC In-line-4	
	Engine Displacement (cm <sup>3</sup> )	1000cc	
	No. of Valves per Cylinder	4	
	Bore x Stroke (mm)	81mm x 48.5mm	
	Compression Ratio	13:1	
	Max. Power Output	160Kw @ 14,500rpm	
	Max. Torque	113Nm @ 12,500rpm	
	Oil Capacity	4.0L	
<b>FUEL SYSTEM</b>	Carburation	PGM-DSFI	
	Fuel Tank Capacity	16.1L	
<b>ELECTRICAL SYSTEM</b>	Starter	Electric	
	Battery Type	12-6 YTZ7S	12-2 Lithium-Ion
<b>DRIVETRAIN</b>	Clutch Type	Wet, multiplate hydraulic clutch with assist slipper	
	Transmission Type	6-speed	
	Final Drive	Chain	
<b>FRAME</b>	Type	Aluminium composite twin spar	
<b>CHASSIS</b>	Dimensions (L x W x H)	2100 x 745 x 1140mm	
	Wheelbase	1455mm	
	Caster Angle	24°	
	Trail	102mm	
	Seat Height	830mm	
	Ground Clearance	115mm	
	Kerb Weight	201kg	
<b>SUSPENSION</b>	Type Front	Showa Telescopic Inverted Fork with an inner tube diameter of 43mm, and a Big Piston Front Fork with preload, compression and rebound adjustment, 120mm stroke.	Telescopic Inverted Fork with inner diameter of 43mm and Öhlins NPX Smart-EC with preload, compression and rebound adjustment, 125mm stroke.
	Type Rear	Unit Pro-Link with gas-charged HMAS damper featuring 10-step preload, stepless compression and rebound damping adjustment, 137mm stroke. Showa Balance-Free Rear Cushion with preload, compression and rebound adjustment.	Pro-Link with gas-charged Öhlins TTX36 Smart-EC damper featuring preload, compression and rebound damping, 143mm stroke.
<b>WHEELS</b>	Rim Size Front	17 inch x 3.5	
	Rim Size Rear	17 inch x 6.0	
	Tyres Front	120/70-ZR17 Pirelli Diablo Supercorsa SP Bridgestone RS11	
	Tyres Rear	200/55-ZR17 Pirelli Diablo Supercorsa SP Bridgestone RS11	
<b>BRAKES</b>	ABS System Type	2 Channel	
	Front	330mm disc with radial-mount 4-piston Nissin caliper	330mm disc with 4-piston Brembo caliper
	Rear	220mm disc with 2-piston Brembo caliper	
<b>INSTRUMENTS &amp; ELECTRICALS</b>	Instruments	TFT-LCD	
	Security System	HISS	
	Headlight	LED	
	Taillight	LED	

\*The technical specifications and design of the bike may vary according to the requirements and are subject to change without any notice.



reddot winner 2020





**Honda Motorcycle and Scooter India Pvt. Ltd.**

**Registered Office:** Commercial Complex II, Sector - 49-50, Golf Course Extension Road, Gurugram - 122018 (Haryana), India

**Customer Care:** [customercare@honda2wheelersindia.com](mailto:customercare@honda2wheelersindia.com) **Website:** [www.hondabigwing.in](http://www.hondabigwing.in)

Follow us on:   Honda BigWing India |   BigWingIndia