



VI INTERNATIONAL COMPETITION 2019 - 2020



OFFICIAL BRAKE SYSTEM SUPPLIER

TECHNICAL SPECS



VI MOTOSTUDENT INTERNATIONAL COMPETITION 2019-2020

OFFICIAL BRAKE SYSTEM SUPPLIER - J.JUAN RACING

J.Juan Racing is the Official Brake System Supplier for the VI MotoStudent International Competition 2019 - 2020. All registered teams will receive a complete racing brake system within their MotoStudent Kit, compulsory to install in the prototypes.



GENERAL CONSIDERATIONS

The J.Juan Racing set for MotoStudent 2019-2020 will include the following compulsory parts:

- J.Juan Racing Front radial caliper (right side)
- J.Juan Racing Rear axial fix caliper
- J.Juan Racing Front Radial hand master cylinder
- J.Juan Racing Rear foot master cylinder

Only the J.Juan Racing brake parts (calipers and master cylinders assemblies) included in the MotoStudent Kit will be allowed to take part at the Competition, as states Article 6 of Section B of the MotoStudent Technical Regulations.

Modifications on the J.Juan Racing brake parts are forbidden.



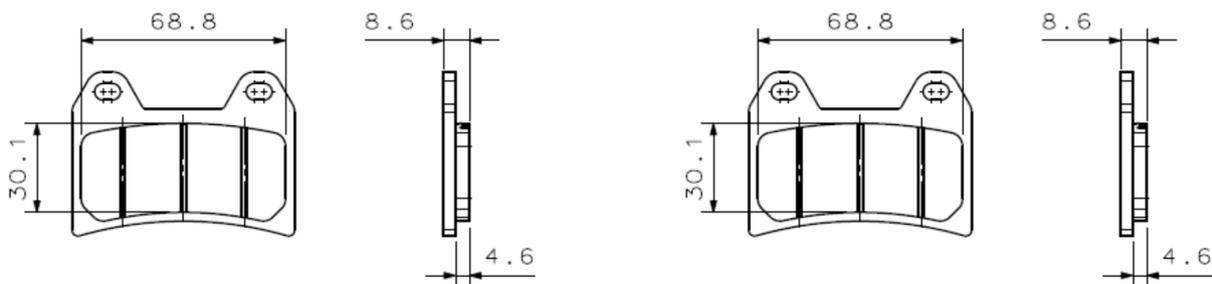
J.JUAN RACING FRONT RADIAL CALIPER



TECHNICAL SPECS

GENERAL SPECS			
Interaxis	Offset	Material	Weight
100 mm	30,00 mm	Die Cast Aluminum	1,05 kg (with pads)
CONFIGURATION AND WORK			
Piston configuration and size	Max Working pressure	Brake Fluid	
2xØ34mm + 2 x Ø30mm	70 bar	DOT 4	
DISCS			
Disc thickness MIN-MAX	Disc position tolerance	Max Disc diameter	
4,5 – 5 mm	±0,5mm	Ø 320 mm	
PADS			
Accepted models	Volume for pad wear	Pad surface	
SBS - SI-100HH	16,7cm ³	22,5 cm ²	
MOUNTING			
Mounting bolts	Mount side	Mounting position	
2 x M10 RADIAL	Right side (compulsory)	21:00 - 24:00	

PADS SHAPE AND DIMENSIONS



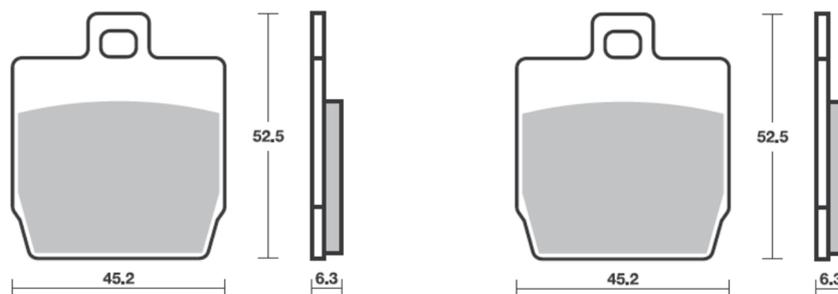
J.JUAN RACING REAR AXIAL FIX CALIPER



TECHNICAL SPECS

GENERAL SPECS		
Type	Material	Weight
Axial fixed	Die Cast Aluminum	tbc
CONFIGURATION		
Piston configuration and size	Max Working pressure	Brake Fluid
2x \varnothing 32mm	70 bar	DOT 4
DISCS		
Disc thickness	Disc position tolerance	Max Disc diameter
4,5 mm	$\pm 0,5$ mm	\varnothing 260 mm
PADS		
Accepted models	Pad surface	
SBS-RQ3-HH	13 cm ²	
MOUNTING		
Mounting bolts	Mount side	Mounting position
2 x M8 AXIAL	Right or left	18:00 - 15:00 (remove for bleeding)

PADS SHAPE AND DIMENSIONS



J.JUAN RACING FRONT RADIAL HAND MASTER CYLINDER



TECHNICAL SPECS

GENERAL SPECS			
Type	Material	Weight	
Radial Master Cylinder	Die Cast Aluminum	0,37 kg	
CONFIGURATION			
Piston diameter	Lever Size	Ratio	Dead piston travel
∅ 16 mm	194 x 20 mm	5,4	0,8 ± 0,3mm
RESERVOIR AND FLUIDS			
Type	Volume	Brake Fluid	
translucent remote reservoir	45 cm3	DOT 4	
MOUNTING			
Clamp	Mount side	Regulation	
Clamp for ∅22,2 mm handlebar	Right hand	Lever height regulation (reach point): ± 7,5mm	

DETAILS



J.JUAN RACING REAR FOOT MASTER CYLINDER



TECHNICAL SPECS

GENERAL SPECS		
Hardware	Material	Weight
Steel racing hardware	Die Cast Aluminum	tbc
CONFIGURATION		
Piston diameter	Piston and push rod clearance	Dead piston travel
Ø 12,7 mm	0,5 – 1 mm	0,8 to 1,5 mm
RESERVOIR AND FLUIDS		
Type	Volume	Brake Fluid
Polyamide remote reservoir	15 cm ³	DOT 4
MOUNTING		
Mounting angle		Interaxis
30 ± 10°		40 mm

DETAILS



All Technical questions and requests about the J.Juan Racing Brake System must be directed to the MotoStudent Technical Department through MotoStudent Support Center:

MotoStudent Support Center - support.motostudent.com

TechnoPark MotorLand 44600 - Alcañiz (Teruel) - Spain Tel. +34 978 877 935

www.motostudent.com

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