



2022 - 2023



OFFICIAL TECHNICAL SPONSOR

# TECHNICAL SPECS



# VII MOTOSTUDENT INTERNATIONAL COMPETITION

## 2022 - 2023

### OFFICIAL TECHNICAL SPONSOR: ANDREANI MHS - OHLINS

Andreani MHS, technical service specialized in suspensions, and also ÖHLINS Racing Official Service, joins the VII MotoStudent International Competition 2022–2023 as Official Technical Sponsor.



### Andreani MHS Specific Suspension Kit

Andreani MHS has developed a specific suspension Kit for the MotoStudent prototypes racing purposes, 100% compatible with the MotoStudent Technical Regulations. The Andreani MHS Specific Kit is composed by:

- Andreani MHS Specific Front Fork
- Öhlins rear shock absorber

Also, Andreani MHS will offer Technical Service during the Final Event to optimize the maximum the dynamic behavior of your prototypes, as well as formative activities to complement your MotoStudent technical training.

### Andreani MHS Specific Front Fork



Andreani MHS has developed a specific front fork conceived for the MotoStudent prototypes.

Based on the Andreani MHS experience in Moto3 suspensions development, this fork will offer the maximum dynamic performance with a reduced weight and length, guaranteeing a complete compliance of the MotoStudent Technical Regulations.

**It needs special adaptors to fit the official J.Juan front brake caliper.**

## Technical Information

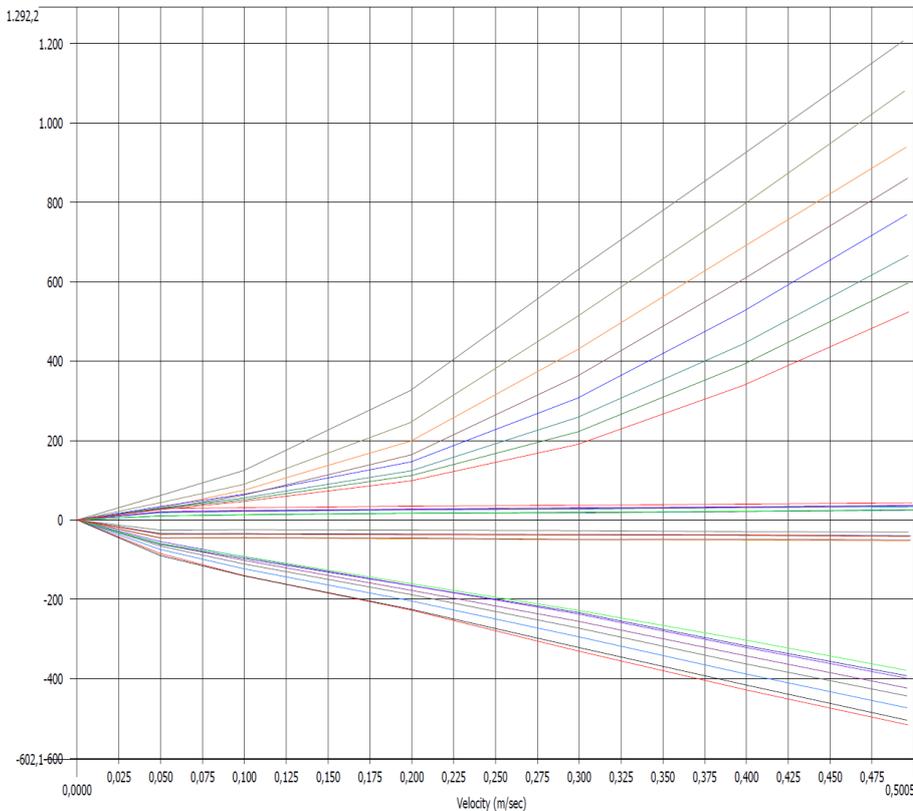
Front Fork	Dimensions	Others
Free length	622mm	Full Extend
Stroke	110mm	Metal to metal
In diameter top bridge	45mm	
In diameter bottom bridge	48mm	
Diameter front axle	15mm right – 20mm left	
Brake caliper main bolt distance	82mm	<b>Teams need to build its own caliper stay. Adator from 82mm to 100mm.</b>

STD. Setting	Value	Others
Oil level	130mm air chamber	Front fork full compress no spring
Oil type	SS05 Showa	
Optional Springs	35/40/45/50/55/60/65	TBD
Compression	-2 turns	0 = maximum close
Rebound	-1.5 turns	0 = maximum close

## Damping Force

s abril 3, 2018

Force Vs. Absolute Velocity



Compression setting (turns) (positive values)	Rebound setting (turns) (negative values)
-0.5	-0.5
-1	-1
-1.5	-1.5
-2	-2
-2.5	-2.5
-3	-3
-3.5	-3.5
-4	-4

## Öhlins Rear Shock Absorber

Öhlins, through its Official Racing Technical Service Andreani MHS, offers a specific rear shock absorber, according to the necessities and technical restrictions imposed by the MotoStudent Technical Regulations.

This rear shock absorber, conceived for Moto3 type motorbikes, incorporates the ultimate Öhlins technology, and offers a complete pre-load and rebound damping adjustment.

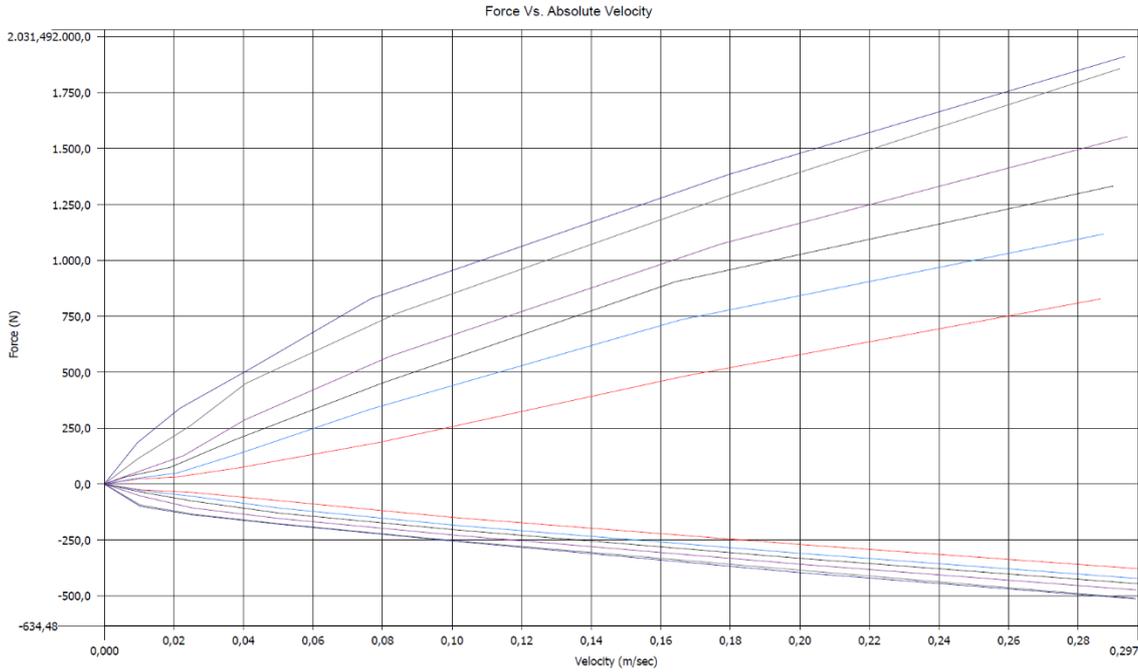


## Technical Information

Rear Shock	Dimensions	Others
Free length	278mm	Full Extend
Stroke	59mm	Metal to metal
Mounting width 1	27mm	
Inner diameter mounting 1	10mm	
Mounting width 2	23mm	
Inner diameter mounting 2	10mm	

STD. Setting	Value	Others
Specification	1633	Inner Setting
Optional Springs	60 / 65 / 70 / 75	TBD
Rebound	-8 clicks	0 = maximum close

# Damping Force



Rebound setting (clicks)
5
10
15
20
40

### For orders:

1. You must complete the Excel file “Andreani MHS Parts Request” and send it to [shop@motostudent.com](mailto:shop@motostudent.com)
2. You will receive a proforma invoice with the fee to complete the process.
3. Once the payment is completed, the order will be done and you will receive the Kit at your facilities.

### For technical questions:

All technical questions about the Andreani MHS Kit must be directed to the Andreani MSH Technical Department – [info@andreamhs.com](mailto:info@andreamhs.com).

[www.motostudent.com](http://www.motostudent.com)

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