

CFD FLOW SIMULATION

# FRONTAL SPOILER GP

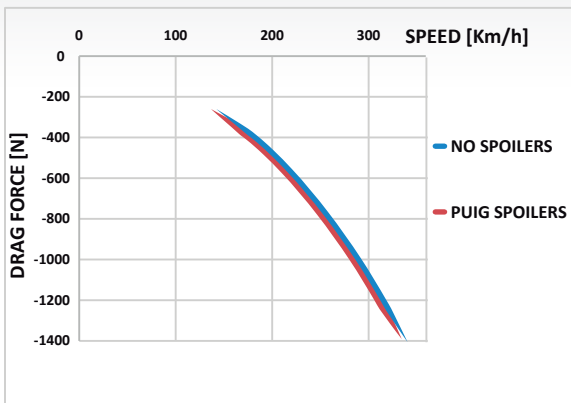
REF.20508

AERODYNAMIC TEST

HONDA CBR1000RR-R FIREBLADE/SP  
2020 -

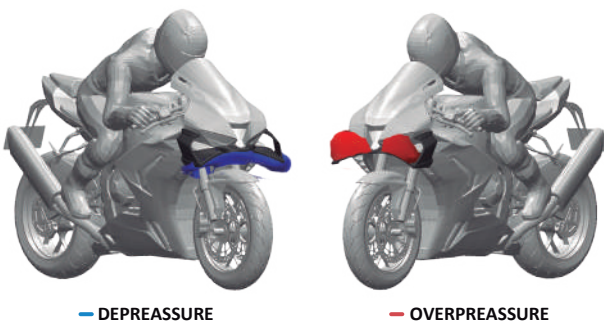


**DRAG FORCE**



**Drag force - Speed Chart:**

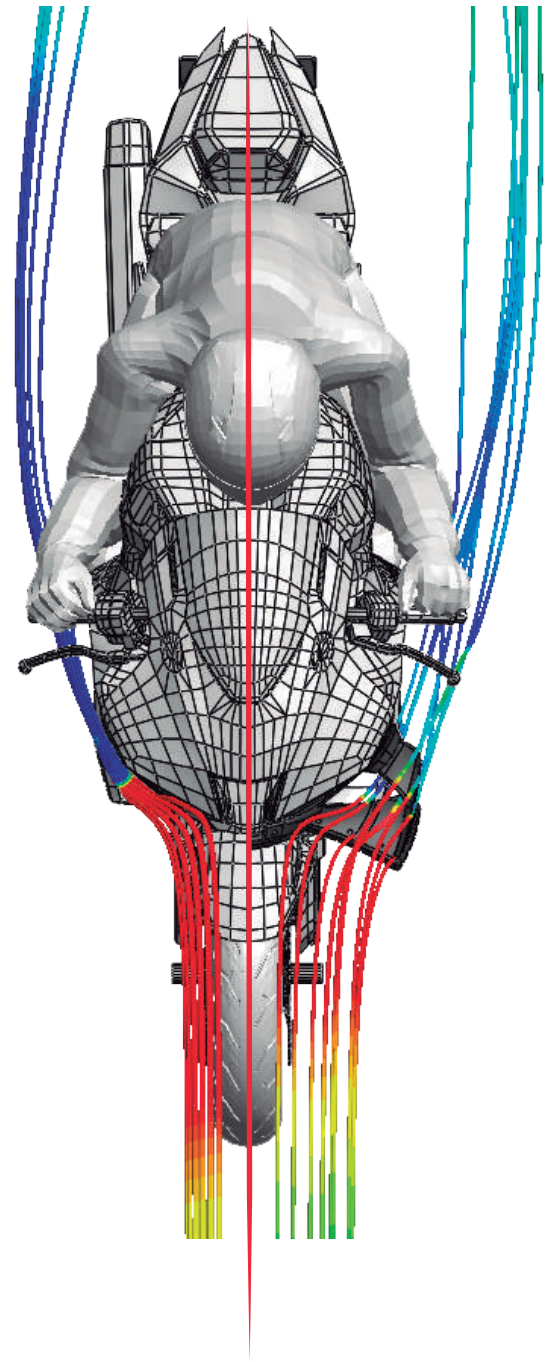
On this chart we can see the force that our bike has to overcome to advance depending on the speed we are travelling at. As we can observe this force is practically the same with the *Puig* Downforce Spoilers. So we will gain downforce without affecting bike speed.



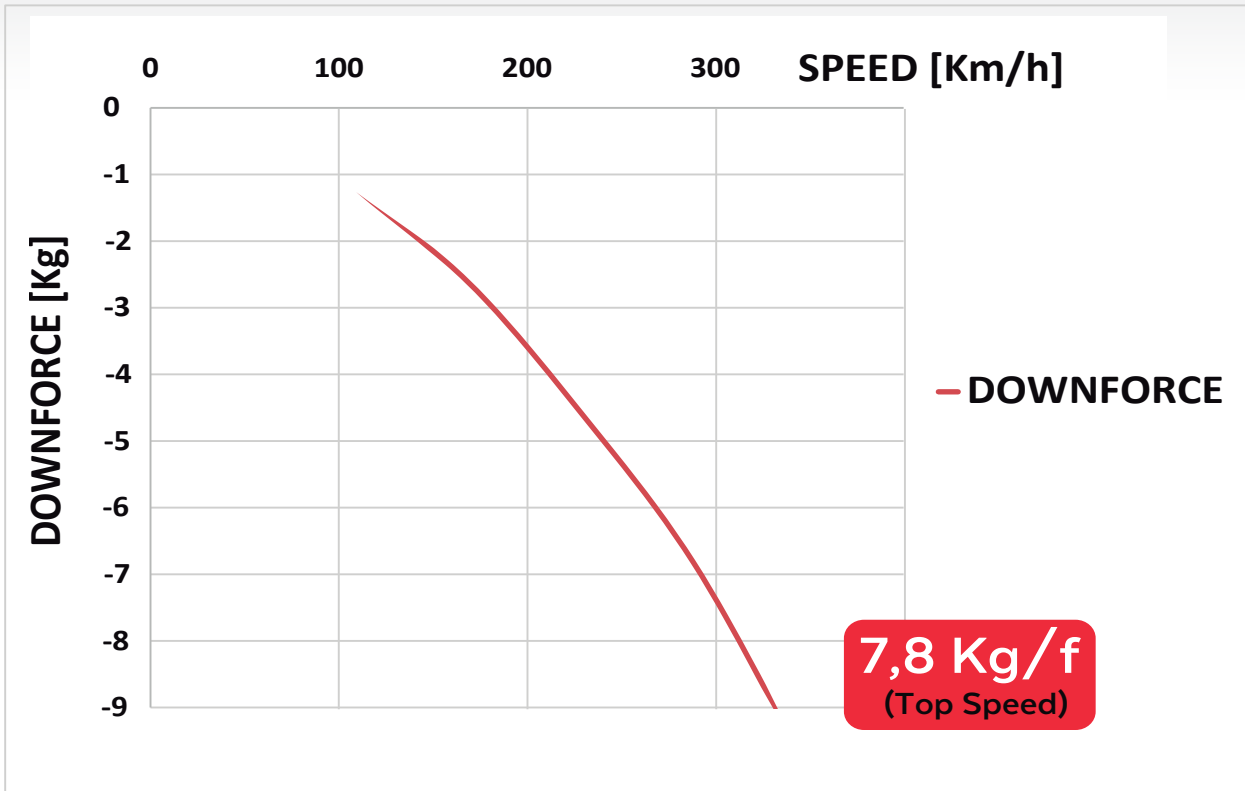
Due to its angles and frontal surface, it creates an overpressure on the top of the spoiler. The turbulence create below, generates a difference of pressure between the upper and lower part of the spoiler. Which ultimately generates the aerodynamic downforce.

**WITHOUT SPOILERS**

**PUIG SPOILERS**



SPOILER'S DOWNFORCE



Downforce-Speed Chart:

The force that the spoilers generate can be calculated by the difference of the results obtained in the previous chart.

