

CFD FLOW SIMULATION

SIDE SPOILER DOWNFORCE

REF.3614

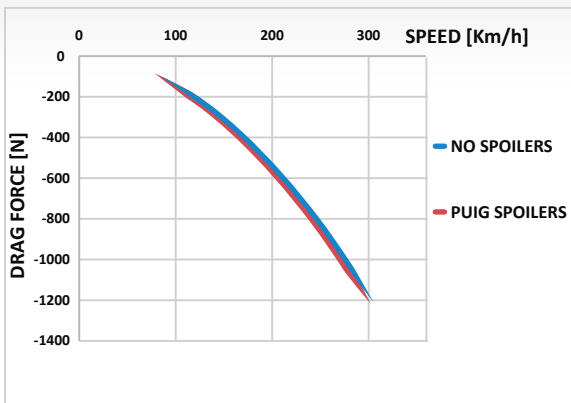
AERODYNAMIC TEST

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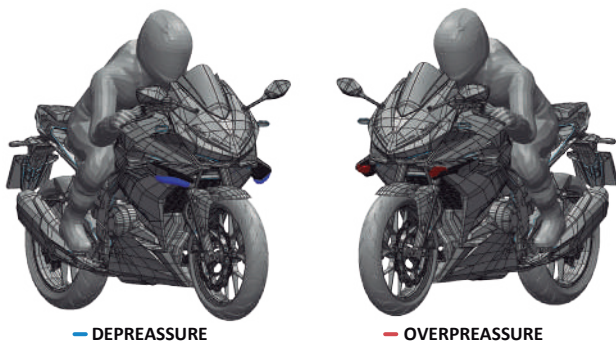


DRAG FORCE



Drag force - Speed Chart:

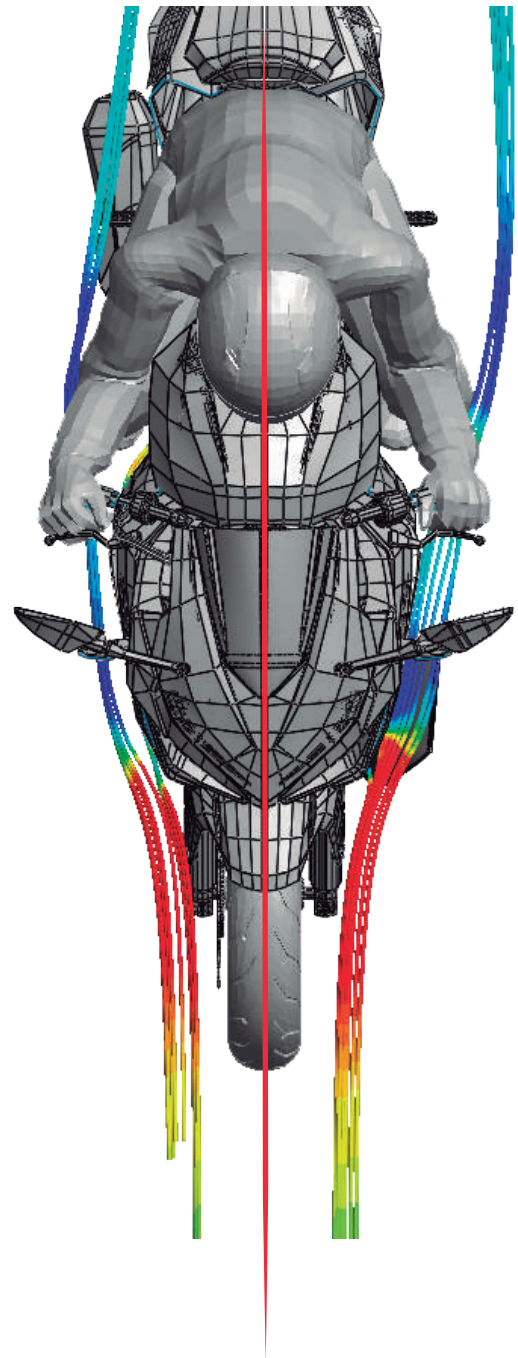
On this chart we can see the force that our bike has to overcome to advance depending on the speed we are travelling at. As we can observe this force is practically the same with the *Puig* Spoilers. So we will gain downforce without affecting bike speed.



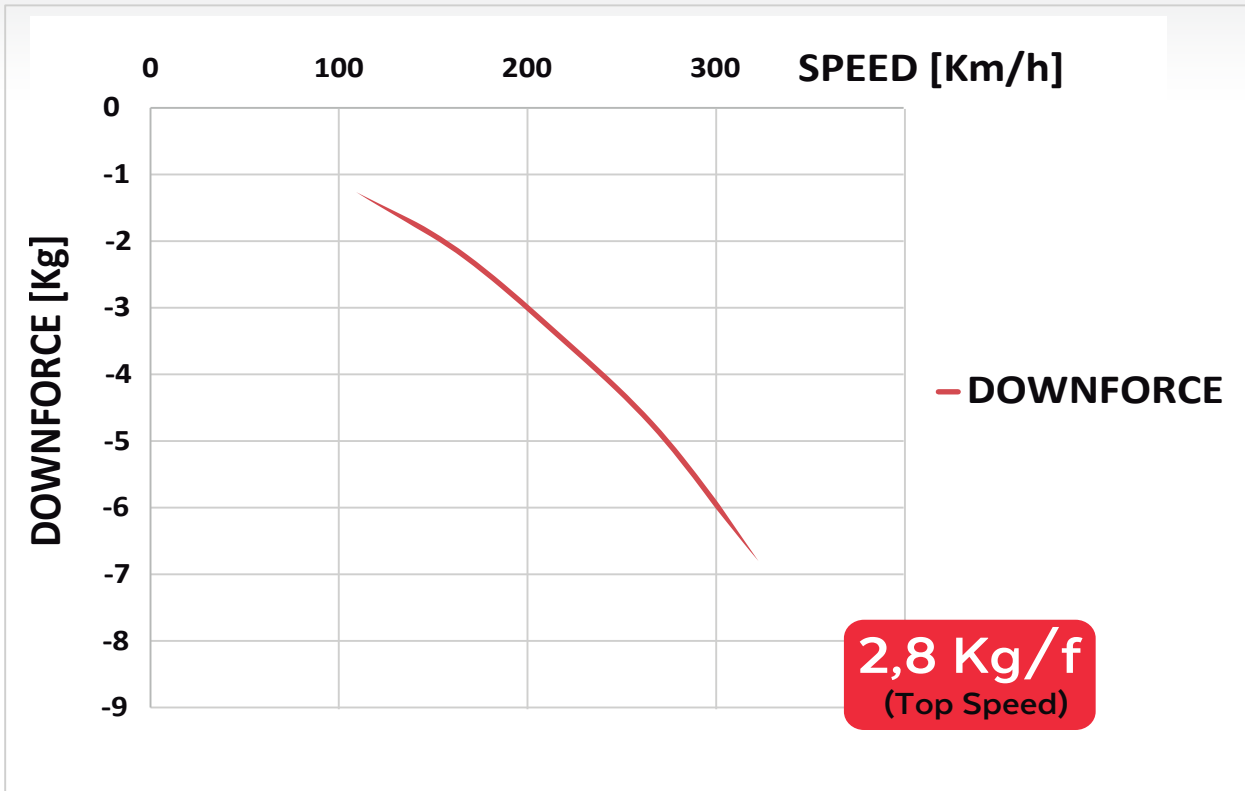
Due to its angles and frontal surface, it creates an overpressure on the top of the spoiler. The turbulence create below, generates a difference of pressure between the upper and lower part of the spoiler. Which ultimately generates the aerodynamic downforce.

WITHOUT SPOILERS

PUIG SPOILERS



SPOILER'S DOWNFORCE



Downforce-Speed Chart:

This chart shows the downforce that generates the spoiler. As we can see it raises potentially as the speed increases.

