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DUCATI STREETFIGHTER V2/V4

Naked Frontal Spoiler

REF. 22741

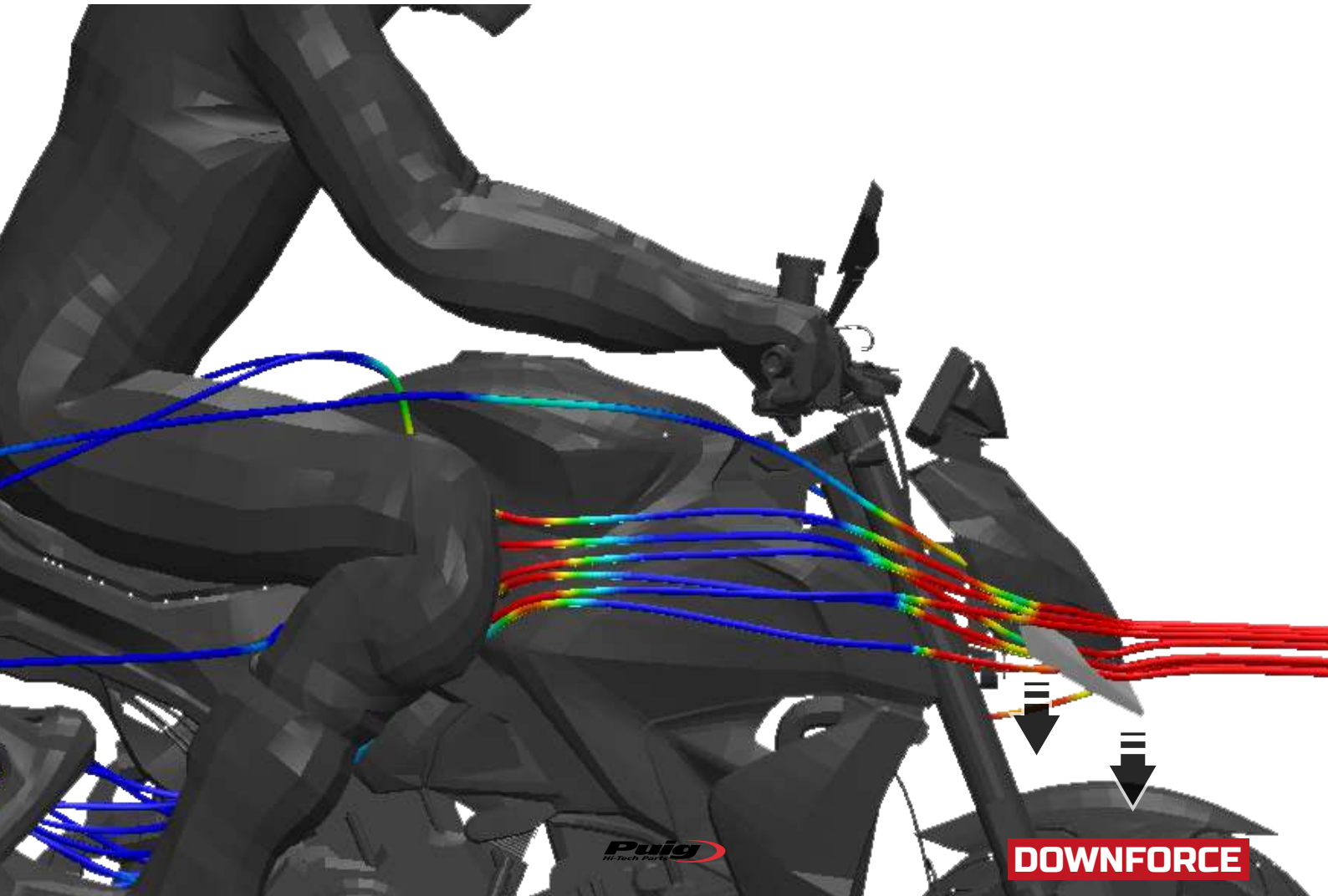
AERODYNAMIC TEST

CFD FLOW SIMULATION

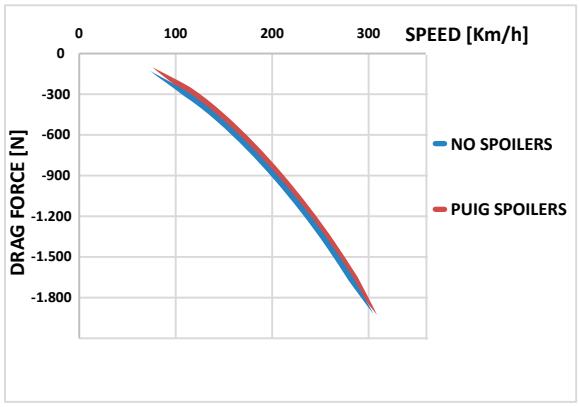
Spoiler's Downforce

Downforce-Speed Chart:

On this chart we can see the downforce that the spoilers generate.

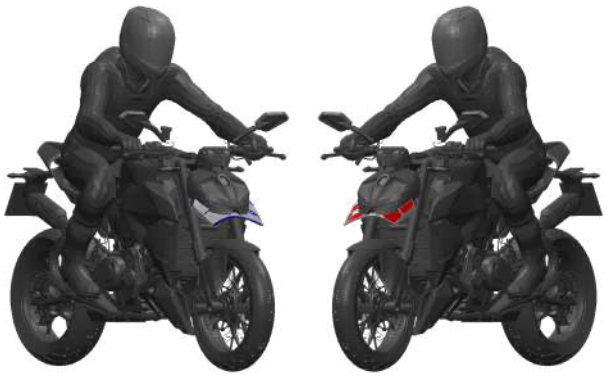


Drag Force



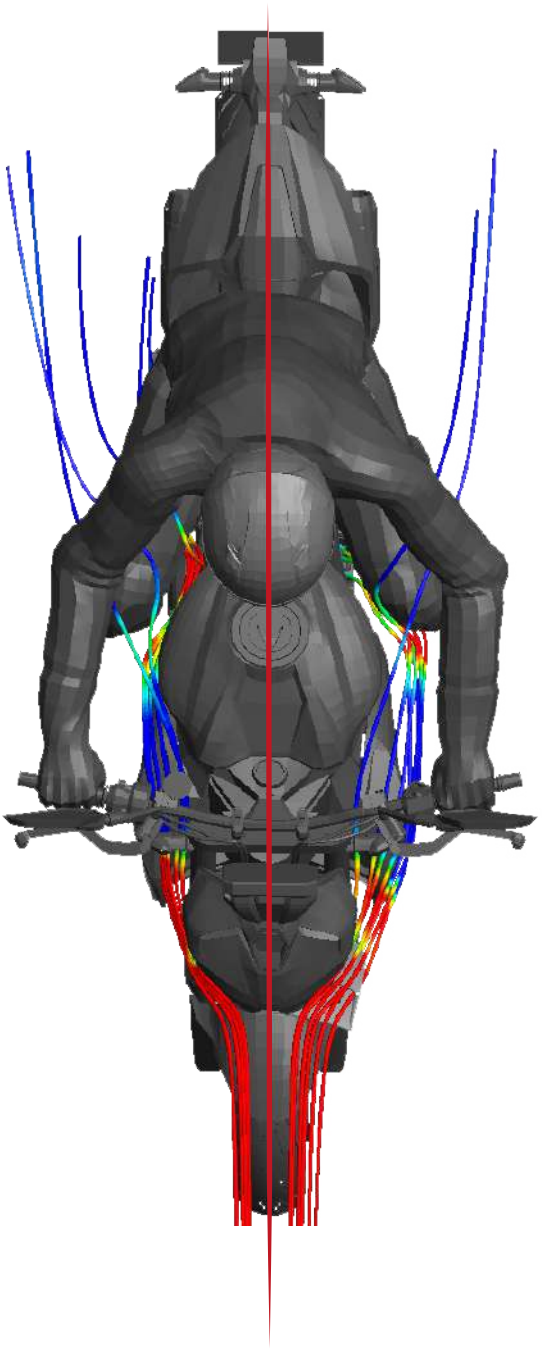
Drag force - Speed Chart:

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 Naked Frontal Spoiler.
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 turbulance create below, generates a difference of pressure between the upper and lower part of the spoiler. Which ultimately generates the aerodynamic downforce.

WITHOUT SPOILER

PUIG SPOILER