

SM/DJ Front wing data SM1425 Main element

May-26

Forces at 100mph in freestream, Ansys CFD. NB forces developed on a car will differ from those developed in freestream; this data is intended for comparison between our products only.

This data is indicative of the configuration specified in isolation. It will vary not just with speed but with ground clearance, proximity to the front wheels (in single seater applications), flap span, flap chord, end plate design and a number of other parameters.

Note too that the drag of a single seater is influenced very little by the presence of or adjustments to a front wing, so drag values on front wings are not given.

SM1425, 1500mm span + 3mm f 100mm ground clearance to leading edge

Wing angle	Df, N
0	521
4	823
8	1009

Dual-element, 1500mm span MP@2deg, flap120mm, 100mm ground clearance to leading edge

Flap angle	Df, N
15	1819
25	2253

MP2-flap150-25

25	2476
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MP2-flap170-25

25	2569
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Triple element, 120mm flaps at 15 & 35deg

1300span-triple+VEEP-MP2-F1-120-15-F2-120-35

15 & 25	2749
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