

## STATIC TESTS ON FORGE ELECTRONICS MESH REFLECTORS SD19, SD21 &amp; SD24 CONDUCTED IN THE DRA BEDFORD 13ft x 9ft LOW SPEED WIND TUNNEL.

TEST DATE: 6 September 1994

Configuration: SD19 (20" mesh reflector)

Speed (mph)	Drag (N)	Side force (N)
0	0	0
46	37	1
91	138	10
137	301	25
170	459	52
191	572	15

Configuration: SD21 (24" mesh reflector)

Speed (mph)	Drag (N)	Side force (N)
0	0	0
46	45	4
91	171	27
136	376	50
156	492	83
181	655	96

Configuration: SD24 (30" mesh reflector)

Speed (mph)	Drag (N)	Side force (N)
0	0	0
46	56	1
91	212	9
136	473	9
181	842	32

In all configurations the model was secured on the tunnel centreline, facing into the wind.  
All results shown have been rounded up to nearest integer value.

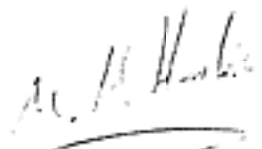
Wind off (dead weight) loads have been removed from the wind on loads.

Drag is positive to the rear of the model.

Side force is positive to the left of the model

The data was recorded during the test and is held by DRA Bedford

Signed for & on behalf of DRA Bedford



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HWA Dept  
DRA Bedford.