

**DYNAMIC TESTS ON FORGE ELECTRONICS MESH REFLECTOR SD24 CONDUCTED IN THE DRA BEDFORD 13ft x 9ft LOW SPEED WIND TUNNEL.**

TEST DATE: 6 September 1994

Configuration: SD24 (30" mesh reflector) with single bracket

Speed (mph)	Angle (degrees)	Drag (N)	Side force (N)
181	0	842	33
181	45	412	360

Model slipped around the support pole and distorted at 60+ degrees.

Configuration: SD24 (30" mesh reflector) with twin brackets &amp; solid plate

Speed (mph)	Angle (degrees)	Drag (N)	Side force (N)
175	0	870	101
175	45	545	345

Model slipped around the support pole and distorted at 60+ degrees.

The model was initially secured on the tunnel centreline, facing into the wind.

All results have been rounded up to the nearest integer value.

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

On reaching the maximum speed the model was rotated anti-clockwise (as viewed from above).

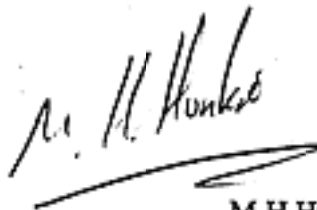
Drag is positive to the rear of the model (when facing into the wind).

Side force is positive to the left of the model (when facing into the wind).

Readings have not been corrected for model angle.

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

Signed for &amp; on behalf of DRA Bedford



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The DRA is an Executive Agency of the Ministry of Defence

