

Recycling Mirror Design Data
March 26th 2003

Upper mass

Overall Dimensions:

Top Plate: = 100x440x20mm

T-Piece: = 96x116x64mm

Mass = 12.07 kg

Moments: I1xx = 1.263e-001

I1yy = 1.857e-002

I1zz = 1.274e-001

Intermediate Mass

Overall Dimensions: 100x255x92mm (angled wedges cut off x-dir edges)

Mass = 12.214 kg

Moments: I2xx = 8.162e-002

I2yy = 2.035e-002

I2zz = 8.143e-002

Test Mass

Overall Dimensions: 100x dia265mm

Mass = 12.181 kg

Moments: I3xx = 1.051e-001

I3yy = 6.277e-002

I3zz = 6.259e-002

Upper Blades (attached to frame)

Length = 250mm

Width (clamped end) = 65mm

Thickness = 2.3mm

Maximal Deflection = 103.3mm

Lower Blades (attached to Upper mass)

Length = 120mm

Width = 32mm

Thickness = 1.2mm

Maximal Deflection = 49mm