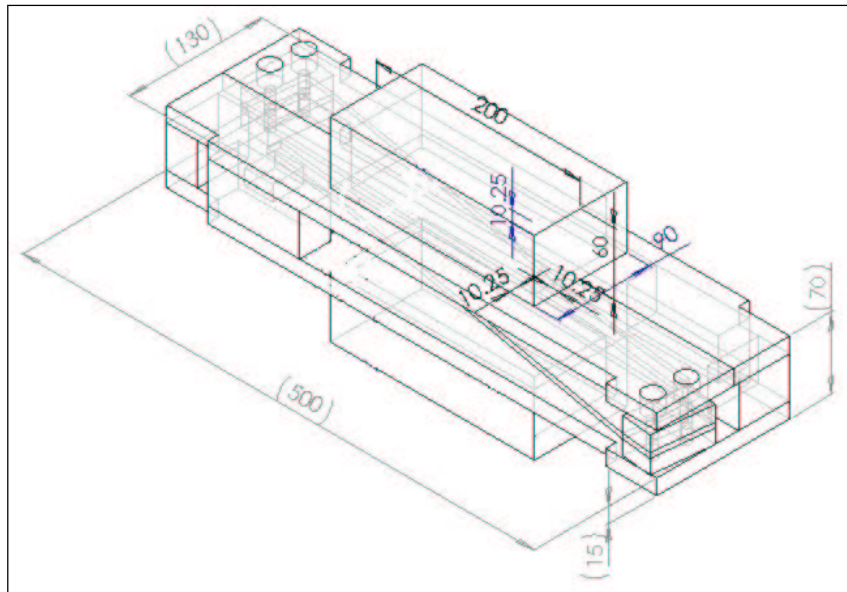


In the following examples I have reverted back to a larger T-piece so that we still have the possibility of using 4x4 eddy current dampers. To keep the weight as per the Matlab model, whilst keeping the thickness of the stainless steel main section plate up (for Strength purposes), the aluminium T-Pieces are now manufactured as a hollow cube section. The one dimension that has been altered from the original specification is the width (x-dir) of the T-Piece – reduced to 90 from 130mm.

The examples are as follows:

Example 1



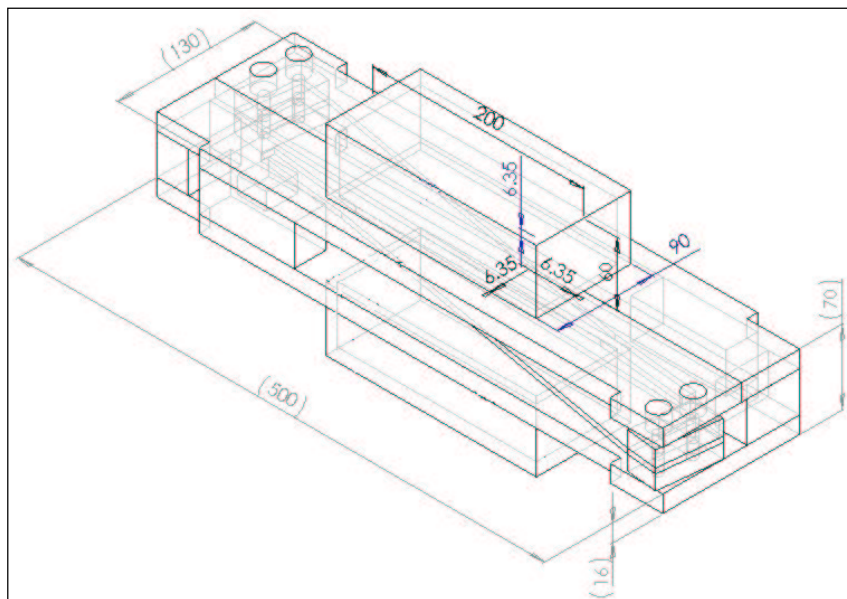
Mass: 21.84kg; Lxx: 0.495; Lyy: 0.0581; Lzz: 0.501

NOTES: Thickness of Main Section Plate: 15mm;

Deflection under load: 0.479mm (as per Dan Mason's mass deflection calc.);

Wall thickness of hollow T-Piece: 10.25mm

Example 2



Mass: 21.86kg; Lxx: 0.503; Lyy: 0.0545; Lzz: 0.514

NOTES: Thickness of Main Section Plate: 16mm;

Deflection under load: 0.394mm (as per Dan Mason's mass deflection calc.);

Wall thickness of hollow T-Piece: 6.35mm