

MBD

In Model Based Definitions (MBD), CAD 3D Models such as this edge clamp design may be represented in 3D PDF with additional interactive layers to show geometric size dimensions and properties, often known as **PMI**. In this example the model is shown as defined in a **STEP 214 CAD** file (ISO-10303-21), originally authored in SolidWorks.

This design is for a clamp for precision wood-working such as repairing lutes, mandolins, violins and acoustic guitars. The dual C-Clamp with deep throw is suitable for repairing cracks in thin sound boards.

The 3D PDF is produced using **PDF3D ReportGen** from Visual Technology Services. Using the Adobe Reader or similar 3D PDF enabled viewer mouse pan, zoom and animation is available in a special illustration view-port inside the document page. Left mouse button rotates around, while right mouse (or Shift-Mouse on Mac) zooms in.

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This area requires a 3D PDF enabled viewer such as Adobe Reader.

3D

DRAWING

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PARTS LIST

PART DATA