



***30, Multiview drawing and sectional view construction.***

*Zoja Veide, Veronika Strozheva.  
Riga Technical University*





***Intellectual Output:* 3 -** Orthographic projections

***Exercise number:*** 30

***Title*:** Multiview drawing and sectional view construction. Variant 30.

**Description**: Axonometric projection of detail, 3D model of the detail are given. Click and you will see 3D model of the detail dissected with a cutting plane.

Task:

• On drawing sheet of A4 size provide Front, Top and Left Side Views of the detail using scale 1:1.

• Make a full section view instead of the Front View (cutting plane coincides with plane of symmetry of object).

• Dimensioning detail.

**Digital files:**

IO3-30-a.pdf: Axonometric projection – rectangular isometric of the detail

IO3-30-b.stl: 3D model of the detail

IO3-30-c.stl: 3D model of the detail dissected with a cutting plane

***Result:***

Multiview drawing of the given detail (sheet of A4 size, scale 1:1).

***Prior knowledge:*** Construction of orthographic projections, multi-view drawing, sectional view, dimensioning basics.

***Augmented reality content:*** Two models may be activated: 3D model of the detail and 3D model of the detail dissected with a cutting plane.

