



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

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

***Exercise number:*** 27

***Title*:** Multiview drawing and sectional view construction. Variant 27.

**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:**

IO3-27-a.pdf: Axonometric projection – rectangular isometric of the detail

IO3-27-b.stl: 3D model of the detail

IO3-27-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.

