

Isometric view of a mechanical part. The part consists of a base block with a sloped top surface and a vertical cutout. A cylindrical feature is mounted on the top surface. Dimensions are as follows:

- Base block dimensions: 100 (width) x 100 (depth) x 100 (height).
- Sloped top surface: 50 (width) x 50 (depth) x 50 (height).
- Vertical cutout: 30 (width) x 30 (depth) x 50 (height).
- Cylindrical feature:  $\phi 30$  (diameter) x 30 (height).
- Radius: R5 (fillet radius at the base of the cylinder).
- Offset: 25 (distance from the edge of the sloped surface to the center of the cylinder).

Partial front view (right side) shows the profile of the part with dimensions: 30 (width of the sloped surface), 50 (height of the sloped surface), 30 (width of the vertical cutout), and 100 (total height).

