

Technical drawing of the J4/J6 series robot arm, showing its 360-degree rotation range and dimensions.

The diagram illustrates the robot arm's configuration, including the J4 and J6 joints, and the P point (P点). The rotation range is indicated as  $\pm 360^\circ$  or  $\pm 190^\circ$ .

Key dimensions and labels include:

- Rotation Range:**  $\pm 360^\circ$  or  $\pm 190^\circ$
- Joint Labels:** J6, J4
- Dimensions:** 65, 59, 57, 51, 222
- Radius Labels:** R241.34, R854.88
- Angle Labels:**  $170^\circ$
- Point Label:** P点 (P point)

Technical drawing of a shaft cross-section showing dimensions and tolerances:

- Outer diameter:  $\Phi 40h8$  with tolerance  $\begin{smallmatrix} 0 \\ 0.039 \end{smallmatrix}$
- Inner diameter:  $\Phi 20H7$  with tolerance  $\begin{smallmatrix} +0.021 \\ 0 \end{smallmatrix}$
- Thread specification: 4-M5 深8 (P.C.D.31.5)
- Inner diameter of thread hole:  $\Phi 5H7$  with tolerance  $\begin{smallmatrix} +0.012 \\ 0 \end{smallmatrix}$
- Thread depth: 深7

Technical drawing of a square plate with a central circular hole and four corner holes. The plate has a side length of 200 mm. The central hole has a diameter of 160 mm. The corner holes have a diameter of 20 mm (indicated by 2-Φ6H7) and are spaced 66 ± 0.05 mm from the corners. The plate has a thickness of 160 mm. The drawing includes dimensions for the central hole (160), corner holes (2-Φ6H7, 66 ± 0.05), and the plate thickness (160). A note indicates that the corner holes are for M10 bolts (4-Φ12穴 (M10取付用)). A detail view of the corner hole shows a cross-section with dimensions 160, 160, and 160.

