

ROTARY LOCKING DEVICE OR MECHANISM**ABSTRACT**

The present disclosure relates to a rotary locking device or mechanism that realizes the locking function within connected end portions of two connected rotatable bodies. By axial
5 movement of movable locking shafts, the function of rotating and locking the two connected rotatable bodies at a specified angle range is realized; by setting the shape of non-regular circular cross-sections of the movable locking shafts and locking shaft holes, the function of locking and unlocking the two connected rotatable bodies at different locking angles is realized; and by changing angular positions of rotation axes of two connected ends, degrees
10 of freedom are adjusted or set. The rotary locking device or mechanism of the present disclosure can be applied in different fields, such as industry, transportation, engineering and construction, medical, aerospace, artificial intelligence, and life.

(FIG 1)