21161 Rotary positioning stages with position indicators

Description

Material:
Body and rotary table Al alloy, anodised.
Spindle steel, case-hardened.
Spindle bearing maintenance-free.
Position indicator plastic.

Version:
Radial play of rotation axis < 0.015 mm.
Axial play of rotation axis < 0.02 mm.
Repeat accuracy < 0.05°.
Spindle self-locking.

Note:
360° adjustment, no end stop.
The position indicator reads in increments of 0.1° increasing clockwise from 0.0° to 9.9° while the rotary table rotates counter-clockwise. A scale on the circumference of the rotary stage is marked every 10°.
The position indicator can be re-mounted in any of 4 positions by removing the grip and loosening the two screws.

Transmission ratio:
21161-08 = 50:1
21161-12 = 55:1

The rotary stage can be easily combined with other modules of the same size.

Drawing reference:
Assembly position of position indicator:
a) top (standard)
b) right
c) bottom
d) left

All counterbores to DIN 74-Bm (D6)
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### Drawings

![Diagram of rotary positioning stages](image)

### Overview of items

| Order No.    | D  | D1 | D2 | D3 | D4 | D5 | D6 | H  | H1 | H2 | H3 | L  | L1 | L2 | L3 | F1 | F2 | F3 | M1 | Nm |
|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 21161-08    | 26 | 23 | 54 | 36 | 10 | M4x6 | 4  | 30 | 14 | 9  | 6  | 80 | 17 | 29 | 36 | 500 | 500 | 200 | 3   |
| 21161-12    | 26 | 23 | 80 | 60 | 15 | M6x9 | 6  | 40 | 17,5 | 12 | 6 | 93 | 31 | 43 | 60 | 500 | 500 | 200 | 5   |

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