cnc-nordic

Machine Offer

Demmeler Rotary Table 60T x 2500

Ref no. 18793



Table	2.500 x 2.500 mm
Continues rotating speed	0 - 2,4 rpm
Positioning	360.000°
Rotary Table Linear travel	2.500 mm
Linear travel accuracy	0,005 mm
Table load	60 Ton
Tilting with 60 ton load	10°
Tilting speed	6° / min
Tilting accuracy with 60 ton load	0,005°

DRALT2500/2500x2500/2500/60t/+10°

Demmeler Rotary Table with linear axes
Rotary axis for Rotary Tables with linear axes
DRALT 2500 / 2500x2500 / 2500 / 60t / +10°

Specifications:

- Table top **2500x2500mm** (T-slots - to be specified)
- Concentric centre bored hole - Ø 100 H7/30mm deep
- Permissible central table load capacity - **60 000kg**
  The theoretical rated load of our Tables is clearly higher.
  In general, the following applies: For longevity and precision, the decisive factor is not only rated load but rather a very big bearing diameter in proportion to the table top size.



- Large dimensioned roller bearing
  Bearing diameter - approximately **2200mm**
- Drive of the rotary axis via two servo motors
  (Duo-drive, motors **Fanuc A06B** series are supplied with the table) and backlash-free precision gearboxes. As such, a backlash-free transmission of the drive power is ensured. Due to the high reduction ratio a good control response is guaranteed.
- Drive diameter - approximately **2270mm**
- Rotating speed 0 - 2.4 revolutions/min
- Tangential moment in clamped condition - approximately **140 000Nm**
- Tangential moment for cylindrical milling - approximately **46 000Nm**
- Permissible tilting moment - approximately **200 000Nm**
- Measuring system rotary encoder **RCN 8590F**, absolutely
  (32 768 impulses / revolution)
- Labyrinth seal ring of the table top
- Flat running accuracy on D 2270mm ±0.015mm
- True running accuracy of the centre bored hole ±0.01mm
- **Included with mechanical +10° positioning system / Precision ±0.005° at 60t load**
- **The angle adjustment is made by two synchronized spindels driven by servomotors (synchronous working), motors Fanuc A06B series included**
- **Two absolute length measuring devices LC 493F mounted to angle adjustment**
- **Tilting speed approximately 6° / min**

Linear axis for Rotary Tables with linear axes
DRALT 2500 / 3000x3000 / 2500 / 60t / +10°

Specifications:
- Linear axis traverse **2500mm**
- Large dimensioned linear guide systems for rolling element bearings with 4 guide ways
- Telescopic steel covering man-accessible (first steel cassette with chequer plate)
- Driven by precision re circulating ball screw and servo motor