

# CNC TILTING ROTARY TABLE

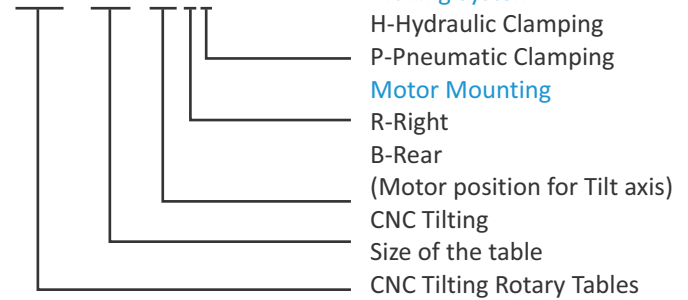


## Features:

- Pneumatic / Hydraulic Clamping
- Pre Loaded Axial Radial Roller Bearing.
- Dual Lead Worm Gear set.

## Ordering code for CNC Rotary Tables

URH - 200 -TNRP



## Specification

| Model                                       |                  | URH-153-TN | URH-200-TN | USSR-201-TN |
|---------------------------------------------|------------------|------------|------------|-------------|
| Turn Table diameter (mm)                    |                  | ø150       | ø200       | ø200        |
| Swing (mm)                                  |                  | ø190       | ø200       | ø250        |
| Center Bore diameter (H7) (mm)              |                  | ø40        | ø60        | ø60         |
| T-Slot size (mm)                            | Ref slots (H7)   | 10x2       | 12x2       | 12x2        |
|                                             | Other slots (H8) | 10x2       | 12x2       | 12x2        |
| Tenon Slot size (H7) (mm)                   |                  | 14         | 14         | 14          |
| Servo Motor Torque (Nm) <sup>#</sup>        | Rotary axis      | 2          | 3          | 3           |
|                                             | Tilting axis     | 4          | 4          | 6           |
| Speed Reduction ratio                       | Rotary axis      | 1:90       | 1:90       | 1:90        |
|                                             | Tilting axis     | 1:90       | 1:90       | 1:120       |
| Table Gyration angle/pulse                  |                  | 0.001°     | 0.001°     | 0.001°      |
| Table Rotation speed (rpm) (Motor 3000 rpm) | Rotary axis      | 33.3       | 33.3       | 33.3        |
|                                             | Tilting axis     | 33.3       | 33.3       | 25          |
| Load capacity (kgs)                         | Horizontal       | 35         | 80         | 100         |
|                                             | Vertical         | 20         | 45         | 65          |
| Clamp Torque (Nm)<br>Hydraulic 30 bar       | Rotary axis      | 300        | 500        | 650         |
|                                             | Tilting axis     | 300        | 500        | 750         |
| Clamp Torque ^ (Nm)<br>Pneumatic 5 bar      | Rotary axis      | 100        | 250        | 380         |
|                                             | Tilting axis     | 100        | 250        | 550         |
| Driving Torque (Nm)                         |                  | 100        | 250        | 250         |
| Indexing Accuracy* (Arc Sec)                | Rotary axis      | ±30"       | ±15"       | ±15"        |
|                                             | Tilting axis     | ±45"       | ±30"       | ±30"        |
| Repeatability (Arc Sec)                     |                  | 4"         | 4"         | 4"          |
| Tilting angle (Degree)                      |                  | -110 to    | -20 to     | -110 to     |
|                                             |                  | + 110      | + 110      | + 110       |
| Net Weight (kg) (approx)                    |                  | 75         | 170        | 200         |

\* Higher Accuracy ± 5" on request

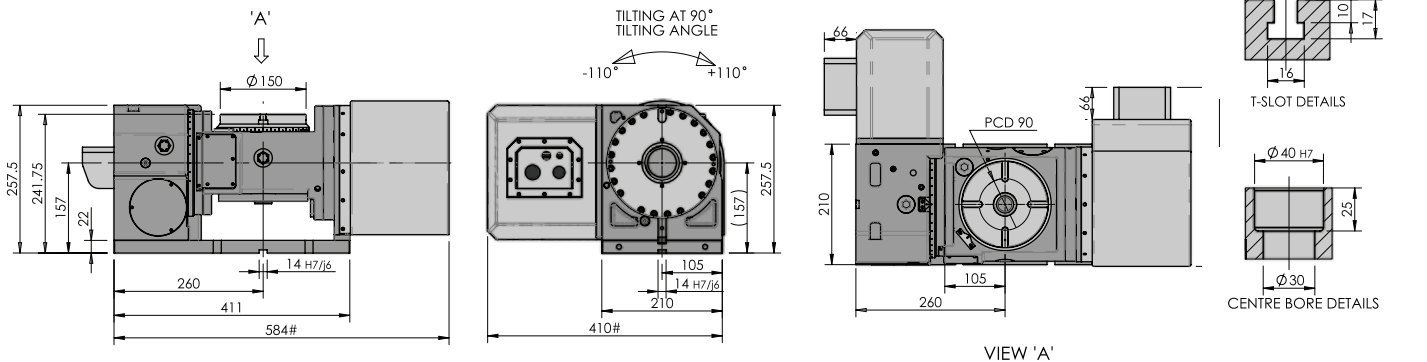
^ Also available with Higher Clamp Torque

# Check motor models on Page No. 70

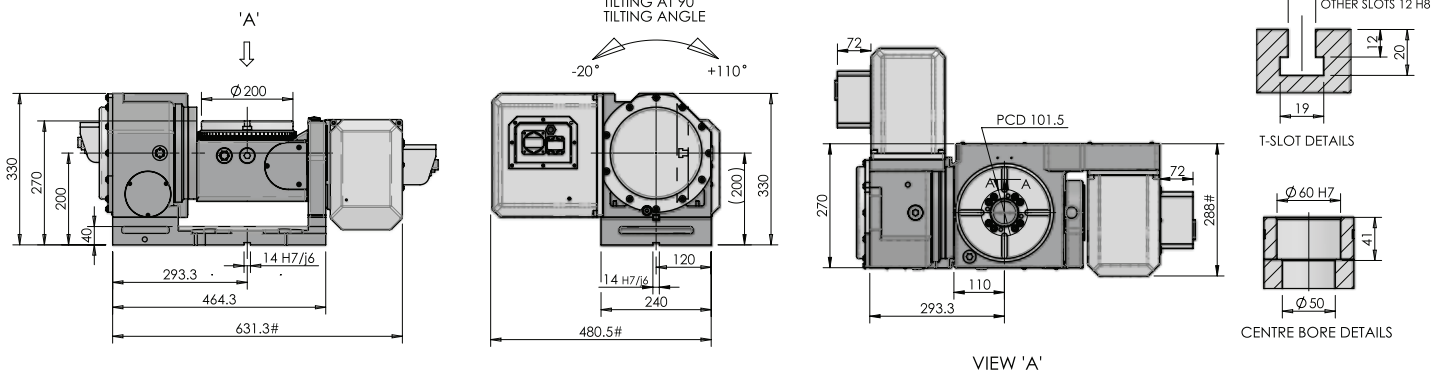
## Option available with pressurisation - Please contact us



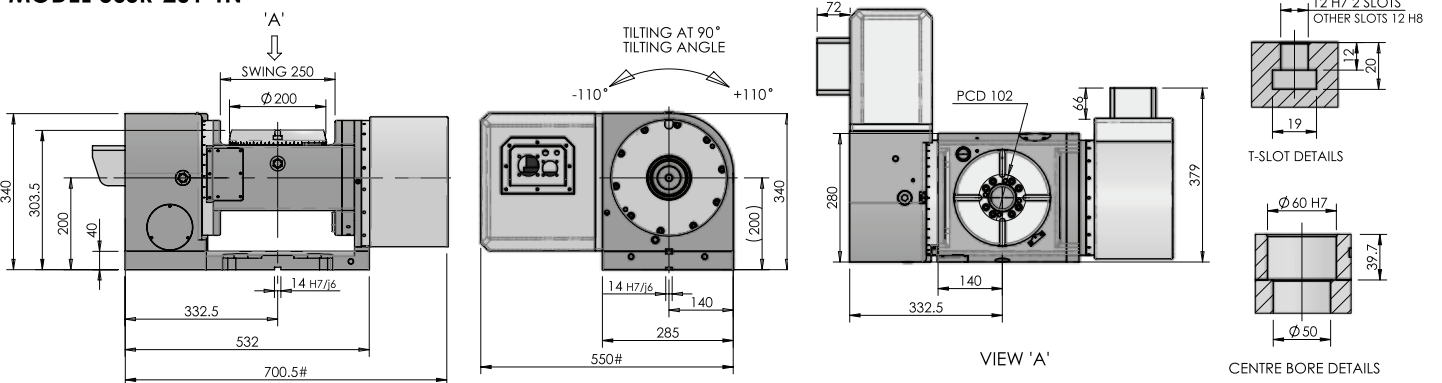
## MODEL URH-153-TN



## MODEL URH-200-TN



## MODEL USSR-201-TN



Dimension Marked as '#' is Dependent on Motor being used