

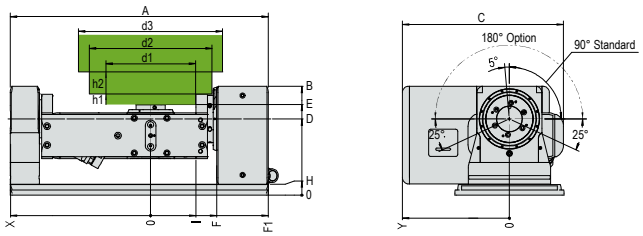

*optional

= Dividing axis for High Series (high speed, high resistance)

| | | | | | T1-507510 TOP1 | T1-508510 TOP1s | T1-510520 TOP2 | T1-511520 TOP2s | T1-520530 TOP3 | T1-521530 TOP3s |
|---|---|---|---|---|---|---|---|---|---|---|
| Dimensions | Swivel ø | | | mm | 180 | | 220 | | 195 | |
| | Swiveling range | | | degrees | 90° +5°/-25° (optional 180° ±25°) | | | | | |
| | Center height | | | mm | 180 | | 210 (235[3]) | | 268 / 308 | |
| | Total weight | with motor | | kg | 95 | | 175 | | 325 | |
| | Center bore | Standard / increased | | mm | 30 | | 34 | | 46 / 64 | |
| Bearing / Clamping | Max. clamping torque | 4th axis | | Nm | 300 | 250 | 800 | 600 | 2,000 | |
| | | 5th axis | | Nm | 1,100 | | 4,000 | | 7,000 | |
| | Max. spindle load | 0°–30° | | kg | 79 | | 133 | | 200 | |
| | | 30°–90° | | kg | 53 | | 89 | | 133 | |
| | | Standard load [1] | | kg | 17 | 12 | 42 | 21 | 90 | 61 |
| | Max. axial force | 4th axis | | kN | 6 | | 10 | | 40 | |
| | Max. pull-out torque | 4th axis | | Nm | 1,200 | | 2,000 | | 3,900 | |
| | | 5th axis | | Nm | 2,000 | | 3,900 | | 10,400 | |
| Gear unit | Max. moment of inertia | Standard load [1] | | kgm² | 0.05 | 0.025 | 0.2 | 0.07 | 0.8 | 0.4 |
| | | J max | | kgm² | 0.5 | 0.25 | 2 | 0.7 | 8 | 4 |
| | Feed torque max [4] | 4th axis | | Nm | 120 | 70 | 250 | 150 | 440 | 220 |
| | | 5th axis | | Nm | 250 | | 440 | | 650 | |
| | Limited torques due to eccentric loads [6] | | | Nm | 40 | | 110 | | 280 | |
| | Gear unit loading 5th axis | without load | | Nm | -12 | | -22 | | -44 | |
| | | with standard load | | Nm | 15 | 10 | 30 | 5 | 100 | 45 |
| | | M max | | Nm | 250 | | 440 | | 650 | |
| | Indexing accuracy Pa | 4th axis [2] | | ± arc sec | 20/15 | | 17/10 | | 12/8 | |
| | | 5th axis (90°) [5] | | ± arc sec | 35/20 | 35/22 | 21/22 | 21/13 | 11/38 | 11/20 |
| | Repeat accuracy Ps average | 4th axis | | ± arc sec | 2 | | | | | |
| | | 5th axis | | ± arc sec | 2 | | | | | |
| | Max speed at standard load | 4th axis [1] | | min⁻¹ | 111 | 210 | 80 | 160 | 50 | 100 |
| | | 5th axis [1] | | min⁻¹ | 60 | | 40 | | 25 | |
| Precision | Radial run-out [2] | on spindle ø | | µm | 6 / 3 | | | | | |
| | Axial run-out [2] | at spindle end face | | µm | 6 / 3 | | | | | |
| | Parallelism [2] | Spindle to base | | µm/100 mm | 10 / 5 | | | | | |

[1] Mutually dependent; for individual drive motor data, see right side
[2] Standard / increased; for measuring method and validity of the values, please refer to **p. 72**, for optional angular position measuring systems, please refer to **p. 73**
[3] In relation to dividing axis when in the horizontal position
[4] Limit value for gear unit, at 1 rpm
[5] Without load / with standard load 0°–90°
[6] For torque calculation, see **p. 108**

## Dimensions

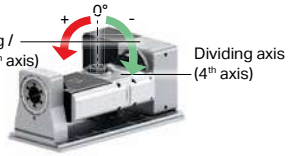


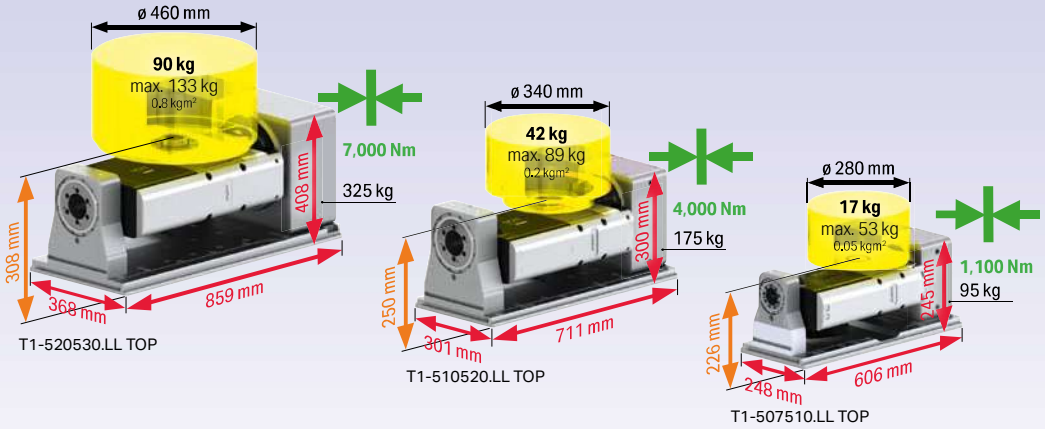

| | A | B | C | C* | D | E | F | F1 | H | I | R | X | Y | Y* | d1 | d2 | d3 | h1 | h2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOP1 | 606 | 245 | 382 | 404 | 180 | 226 | 151 | 277 | 30 | 102 | 149 | 328 | 248 | 270 | | 280 | 350 | | 55 |
| TOP2 | 711 | 300 | 444 | 469 | 210 | 250 | 182 | 324 | 30 | 125 | 173 | 387 | 295 | 320 | 248 | 340 | 400 | 30 | 95 |
| TOP3 | 859 | 408 | 554 | | 268 | 308 | 242 | 422 | 38 | 177 | 195 | 437 | 390 | | 352 | 456 | 500 | 66 | 166 |

Dimensions with 508, 511 or. 521 identical to 507510, 510520 and 520530.
*With large motor (option)

## Important information

**Center height increase (option)**
Depending on the accessories involved (clamping cylinder, rotary union, angular position measuring system...), a center height increase (dimension D) is required. (See page for respective accessory)






## Drive data

(based on standard load cube shown on **pp. 106/107**)

| | | Motors 4th/5th | Feed* [Nm] 4th | Feed* [Nm] 5th | Speed [rpm] 4th | Speed [rpm] 5th | Cycle time*** [sec] 90° 4th | Cycle time*** [sec] 90° 5th | Cycle time*** [sec] 180° 4th | Cycle time*** [sec] 180° 5th |
|---|---|---|---|---|---|---|---|---|---|---|
| MAVILOR / MOVINOR ** | T1-507510 TOP1 | BLS-072/BLS-072 | 120 | 230 | 111 | 70 | 0.26 | 0.43 | 0.39 | 0.64 |
| | T1-508510 TOP1 | BLS-072/BLS-072 | 70 | 230 | 210 | 70 | 0.23 | 0.43 | 0.29 | 0.64 |
| | T1-510520 TOP2 | BLS-072/BLS-073 | 250 | 425 | 80 | 45 | 0.30 | 0.50 | 0.49 | 0.83 |
| | T1-510520 TOP2 | BLS-072/LN-098 | 250 | 440 | 80 | 40 | 0.30 | 0.50 | 0.49 | 0.87 |
| | T1-511520 TOP2 | BLS-072/BLS-073 | 150 | 425 | 160 | 45 | 0.23 | 0.50 | 0.31 | 0.83 |
| | T1-511520 TOP2 | BLS-072/LN-098 | 150 | 440 | 160 | 40 | 0.23 | 0.50 | 0.31 | 0.87 |
| | T1-520530 TOP3 | BLS-073/LN-098 | 440 | 650 | 50 | 25 | 0.41 | 0.89 | 0.71 | 1.49 |
| | T1-521530 TOP3 | LN-098/ LN-098 | 220 | 650 | 90 | 25 | 0.27 | 0.74 | 0.43 | 1.34 |
| FANUC | T1-507510 TOP1 | β1 is/α2 (HV)is | 80 | 110 | 66.7 | 45 | 0.30 | 0.49 | 0.53 | 0.83 |
| | T1-508510 TOP1 | β1 is/α2 (HV)is | 55 | 110 | 130 | 45 | 0.25 | 0.49 | 0.36 | 0.83 |
| | T1-510520 TOP2 | α2 (HV)is/α2 (HV)is | 120 | 195 | 55 | 29 | 0.36 | 0.66 | 0.63 | 1.18 |
| | T1-510520 TOP2 | α2 (HV)is/α4 (HV)is | 120 | 335 | 55 | 30 | 0.36 | 0.64 | 0.63 | 1.14 |
| | T1-511520 TOP2 | α2 (HV)is/α2 (HV)is | 85 | 195 | 100 | 29 | 0.24 | 0.66 | 0.39 | 1.18 |
| | T1-511520 TOP2 | α2 (HV)is/α4 (HV)is | 85 | 335 | 100 | 30 | 0.24 | 0.64 | 0.39 | 1.14 |
| | T1-520530 TOP3 | α2 (HV)is/α4 (HV)is | 210 | 395 | 33 | 20 | 0.54 | 0.94 | 0.99 | 1.69 |
| | T1-520530 TOP3 | α4 (HV)is/α8 (HV)is**** | 355 | 650 | 33 | 25 | 0.56 | 0.89 | 1.01 | 1.49 |
| | T1-521530 TOP3 | α4 (HV)is/ α4 (HV)is | 220 | 355 | 60 | 22 | 0.37 | 0.84 | 0.62 | 1.52 |
| YASKAWA SGM7J | T1-507510 TOP1 | SGM7J 06/08 | 120 | 180 | 66 | 60 | 0.30 | 0.44 | 0.53 | 0.69 |
| | T1-508510 TOP1 | SGM7J 06/08 | 70 | 180 | 133 | 60 | 0.22 | 0.44 | 0.33 | 0.69 |
| | T1-510520 TOP2 | SGM7J 08/08 | 195 | 315 | 66.6 | 38 | 0.32 | 0.54 | 0.55 | 0.94 |
| | T1-511520 TOP2 | SGM7J 08/08 | 135 | 315 | 133 | 38 | 0.22 | 0.54 | 0.33 | 0.94 |
| | T1-520530 TOP3 | on request | | | | | | | | |
| | T1-521530 TOP3 | on request | | | | | | | | |
| YASKAWA SGMJV | T1-507510 TOP1 | SGMJV 04/08 | 115 | 180 | 66.7 | 60 | 0.30 | 0.44 | 0.53 | 0.69 |
| | T1-508510 TOP1 | SGMJV 04/08 | 70 | 180 | 130 | 60 | 0.22 | 0.44 | 0.33 | 0.69 |
| | T1-510520 TOP2 | SGMJV 08/08 | 195 | 315 | 66.7 | 38 | 0.32 | 0.54 | 0.55 | 0.94 |
| | T1-511520 TOP2 | SGMJV 08/08 | 140 | 315 | 133 | 38 | 0.21 | 0.54 | 0.32 | 0.94 |
| | T1-520530 TOP3 | SGMJV/EV 08/15 | 335 | 650 | 40 | 25 | 0.46 | 0.89 | 0.84 | 1.49 |
| | T1-521530 TOP3 | SGMJV/EV 08/15 | 220 | 650 | 80 | 25 | 0.28 | 0.34 | 0.46 | 1.34 |
| MITSUBISHI | T1-507510 TOP1 | HG56/75 | 120 | 170 | 60 | 45 | 0.32 | 0.49 | 0.57 | 0.83 |
| | T1-508510 TOP1 | HG56/75 | 70 | 170 | 110 | 45 | 0.22 | 0.49 | 0.36 | 0.83 |
| | T1-510520 TOP2 | HG-(H)75/(H)105 | 185 | 430 | 50 | 30 | 0.37 | 0.59 | 0.67 | 1.09 |
| | T1-511520 TOP2 | HG-(H)75/ (H) 105 | 130 | 430 | 100 | 30 | 0.24 | 0.59 | 0.39 | 1.09 |
| | T1-520530 TOP3 | HG-(H)105/ (H) 104 | 440 | 650 | 32 | 20 | 0.54 | 0.94 | 1.01 | 1.69 |
| | T1-521530 TOP3 | HG-(H) 105/ (H) 104 | 220 | 650 | 60 | 22 | 0.34 | 0.82 | 0.59 | 1.50 |
| SANYO | T1-507510 TOP1 | R2Ax 06040/08075 | 120 | 185 | 66.7 | 60 | 0.30 | 0.44 | 0.52 | 0.69 |
| | T1-508510 TOP1 | R2Ax 06040/08075 | 70 | 185 | 130 | 60 | 0.22 | 0.44 | 0.33 | 0.69 |
| | T1-510520 TOP2 | R2Ax 08075/08075 | 210 | 245 | 66.7 | 40 | 0.32 | 0.54 | 0.55 | 0.92 |
| | T1-511520 TOP2 | R2Ax 08075/08075 | 145 | 245 | 130 | 40 | 0.22 | 0.54 | 0.34 | 0.92 |
| SIEMENS | T1-510520 TOP2 | 1FK2204/1FK2205 | 150 | 425 | 65 | 30 | 0.33 | 0.59 | 0.56 | 1.09 |
| | T1-511520 TOP2 | 1FK2204/1FK2205 | 105 | 425 | 130 | 30 | 0.22 | 0.59 | 0.33 | 1.09 |
| | T1-520530 TOP3 | 1FK2205/1FK2206 | 425 | 650 | 33 | 25 | 0.53 | 0.74 | 0.98 | 1.34 |
| | T1-520530 TOP3 | 1FK7042/1FK7062 | 435 | 650 | 50 | 25 | 0.44 | 0.89 | 0.74 | 1.49 |
| | T1-521530 TOP3 | 1FK2205/1FK2206 | 220 | 650 | 65 | 25 | 0.30 | 0.74 | 0.53 | 1.34 |
| | T1-521530 TOP3 | 1FK7042/1FK7062 | 220 | 650 | 90 | 25 | 0.27 | 0.74 | 0.43 | 1.34 |

* At 1 rpm; for more, please refer to **p. 112**
** for Siemens / Heidenhain
*** Without clamping; for times, please refer to **p. 126**
**** not with 35iB

For calculation of load, forces and torques, please see **p. 108**

## Important information

- The limit values as set out in the corresponding parameter list take precedence over the data and information provided in the main catalog (due to motor, drive enhancement and the respective machine CNC)
- Motor-independent data are optimum values at operating temperature
- Further details are available at www.lehmann-rotary-tables.com, under Download / Commissioning



Labyrinth seal (cutaway view)

Recommended for:
- Grinding operations
- High coolant pressures
- Extremely fine abrasive particles

## Accessories

Motor, cable, angular position measuring system and pL CNC starting at **p. 74**. Accessories starting at **p. 66**

## Options

| Item no. | Description |
|---|---|
| **GET.5xx-GEN** | Increased gear precision [1] |
| **GEO.5xx-GEN** | Incr. geometric precision, ½ standard tolerance |
| **SPI.5xx-Lab** [2] | Spindle seal with labyrinth, integrated sealing air pressure control |
| **SWB.510-180** | Tilting range increase from 90° to 180° (with overshoot to max. 230°) |
| **SWB.520-180** | |
| **SWB.530-180** | |

[1] incl. lower radial and axial run-out of 0.003 mm
[2] for 507/510: HSK and ripas clamping not possible manually, GET.5xx-GEN and GEO.5xx-GEN only partly possible (lower radial and axial run-out cannot always be achieved)

## Item no.

**T1–510520.LL TOP–F1**

| | |
|---|---|
| **Motor** | F1=Fanuc is (200 V), F2=Fanuc HVis (400 V), M1=Movinor/Mavilor ERN, M2=Movinor/Mavilor EQN 1125, M3= Movinor/Mavilor EQN 1135, MI3= Mitsubishi 200V, MI4 Mitsubishi 400V, S3=Sanyo, Y2=Yaskawa SGMJV/SGMEV, Y4=Yaskawa SGM7J |
| **Divider add-on version** | |
| **Swiveling axis motor position** | L=left, R=right |
| **Dividing axis motor position** | L=left, R=right |
| **Swiveling axis size** | 510, 520 |
| **Dividing axis size** | 507, 510, 520 |
| **Rotary table model** | |

## Suitable alignment elements

| Item no. | Designation | Slot width | Weight [kg] |
|---|---|---|---|
| **AUR.iX-12** | **lineFIX** alignment pin, 1 pair | 12g6 | |
| **AUR.iX-14** | | 14g6 | 0.03 |
| **AUR.iX-16** | | 16g6 | 0.03 |
| **AUR.iX-18** | | 18g6 | 0.03 |

For **lineFIX**, refer to **p. 86**




*optional

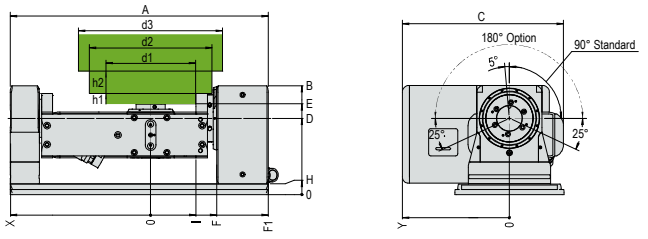


= High Series
(high speed, high resistance)

| | | | | T1-508511 TOP1s | T1-511521 TOP2s |
|---|---|---|---|---|---|
| Dimensions | Swivel ø | | mm | 180 | 220 |
| | Swiveling range | | degrees | 90° +5°/-25° (optional 180° ±25°) | |
| | Center height | | mm | 180 | 210 |
| | Total weight | with motor | kg | 50 | 100 |
| | Center bore | Standard / increased | mm | 30 | 34 |
| Bearing / Clamping | Max. clamping torque | 4th axis | Nm | 250 | 600 |
| | | 5th axis | Nm | 1,100 | 3,800 |
| | Max. spindle load | 0°–30° | kg | 40 | 66 |
| | | 30°–90° | kg | 27 | 44 |
| | | Standard load [1] | kg | 12 | 21 |
| | Max. axial force | 4th axis | kN | 6 | 10 |
| | Max. pull-out torque | 4th axis | Nm | 1,200 | 2,000 |
| | | 5th axis | Nm | 2,000 | 3,900 |
| Gear unit | Max. moment of inertia | Standard load [1] | kgm² | 0.025 | 0.07 |
| | | J max | kgm² | 0.25 | 0.7 |
| | Feed torque max [4] | 4th axis | Nm | 70 | 150 |
| | | 5th axis | Nm | 130 | 210 |
| | Limited torques due to eccentric loads [6] | | Nm | 30 | 45 |
| | Gear unit loading 5th axis | without load | Nm | -12 | -22 |
| | | with standard load | Nm | 10 | 5 |
| | | M max | Nm | 150 | 230 |
| | Indexing accuracy Pa | 4th axis [2] | ± arc sec | 20/15 | 17/10 |
| | | 5th axis (90°) [5] | ± arc sec | 35/22 | 21/13 |
| | Repeat accuracy Ps average | 4th axis | ± arc sec | 2 | |
| | | 5th axis | ± arc sec | 2 | |
| | Max speed at standard load | 4th axis [1] | min⁻¹ | 210 | 160 |
| | | 5th axis [1] | min⁻¹ | 80 | 50 |
| Precision | Radial run-out [2] | on spindle ø | µm | 6 / 3 | |
| | Axial run-out [2] | at spindle end face | µm | 6 / 3 | |
| | Parallelism [2] | Spindle to base | µm/100 mm | 10 / 5 | |

[1] Mutually dependent; for individual drive motor data, see right side
[2] Standard / increased; for measuring method and validity of the values, please refer to **p. 72**, for optional angular position measuring systems, please refer to **p. 73**
[3] In relation to dividing axis when in the horizontal position
[4] Limit value for gear unit, at 1 rpm
[5] Without load / with standard load 0°–90°
[6] For torque calculation, see **p. 108**

## Dimensions

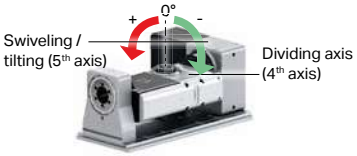


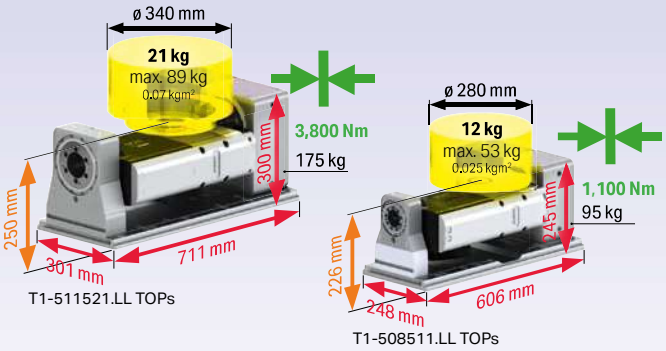

| | A | B | C | C* | D | E | F | F1 | H | I | R | X | Y | Y* | d1 | d2 | d3 | h1 | h2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOP1 | 606 | 245 | 382 | 404 | 180 | 226 | 151 | 277 | 30 | 102 | 149 | 328 | 248 | 270 | | 280 | 350 | | 55 |
| TOP2 | 711 | 300 | 444 | 469 | 210 | 250 | 182 | 324 | 30 | 125 | 173 | 387 | 295 | 320 | 248 | 340 | 400 | 30 | 95 |

Dimensions with 508, 511 or. 521 identical to 507510, 510520 and 520530.
*With large motor (option)

## Important information

**Center height increase (option)**
Depending on the accessories involved (clamping cylinder, rotary union, angular position measuring system...), a center height increase (dimension D) is required. (See page for respective accessory)






## Drive data

(based on standard load cube shown on **pp. 106/107**)

| | | Motors 4th/5th | Feed* [Nm] 4th | Feed* [Nm] 5th | Speed [rpm] 4th | Speed [rpm] 5th | Cycle time*** [sec] 90° 4th | Cycle time*** [sec] 90° 5th | Cycle time*** [sec] 180° 4th | Cycle time*** [sec] 180° 5th |
|---|---|---|---|---|---|---|---|---|---|---|
| MAVILOR / MOVINOR ** | T1-507510 TOP1 | BLS-072/BLS-072 | 120 | 230 | 111 | 70 | 0.26 | 0.43 | 0.39 | 0.64 |
| | T1-508510 TOP1 | BLS-072/BLS-072 | 70 | 230 | 210 | 70 | 0.23 | 0.43 | 0.29 | 0.64 |
| | T1-510520 TOP2 | BLS-072/BLS-073 | 250 | 425 | 80 | 45 | 0.30 | 0.50 | 0.49 | 0.83 |
| | T1-510520 TOP2 | BLS-072/LN-098 | 250 | 440 | 80 | 40 | 0.30 | 0.50 | 0.49 | 0.87 |
| | T1-511520 TOP2 | BLS-072/BLS-073 | 150 | 425 | 160 | 45 | 0.23 | 0.50 | 0.31 | 0.83 |
| | T1-511520 TOP2 | BLS-072/LN-098 | 150 | 440 | 160 | 40 | 0.23 | 0.50 | 0.31 | 0.87 |
| | T1-520530 TOP3 | BLS-073/LN-098 | 440 | 650 | 50 | 25 | 0.41 | 0.89 | 0.71 | 1.49 |
| | T1-521530 TOP3 | LN-098/ LN-098 | 220 | 650 | 90 | 25 | 0.27 | 0.74 | 0.43 | 1.34 |
| FANUC | T1-507510 TOP1 | β1 is/α2 (HV)is | 80 | 110 | 66.7 | 45 | 0.30 | 0.49 | 0.53 | 0.83 |
| | T1-508510 TOP1 | β1 is/α2 (HV)is | 55 | 110 | 130 | 45 | 0.25 | 0.49 | 0.36 | 0.83 |
| | T1-510520 TOP2 | α2 (HV)is/α2 (HV)is | 120 | 195 | 55 | 29 | 0.36 | 0.66 | 0.63 | 1.18 |
| | T1-510520 TOP2 | α2 (HV)is/α4 (HV)is | 120 | 335 | 55 | 30 | 0.36 | 0.64 | 0.63 | 1.14 |
| | T1-511520 TOP2 | α2 (HV)is/α2 (HV)is | 85 | 195 | 100 | 29 | 0.24 | 0.66 | 0.39 | 1.18 |
| | T1-511520 TOP2 | α2 (HV)is/α4 (HV)is | 85 | 335 | 100 | 30 | 0.24 | 0.64 | 0.39 | 1.14 |
| | T1-520530 TOP3 | α2 (HV)is/α4 (HV)is | 210 | 395 | 33 | 20 | 0.54 | 0.94 | 0.99 | 1.69 |
| | T1-520530 TOP3 | α4 (HV)is/α8 (HV)is**** | 355 | 650 | 33 | 25 | 0.56 | 0.89 | 1.01 | 1.49 |
| | T1-521530 TOP3 | α4 (HV)is/ α4 (HV)is | 220 | 355 | 60 | 22 | 0.37 | 0.84 | 0.62 | 1.52 |
| YASKAWA SGM7J | T1-507510 TOP1 | SGM7J 06/08 | 120 | 180 | 66 | 60 | 0.30 | 0.44 | 0.53 | 0.69 |
| | T1-508510 TOP1 | SGM7J 06/08 | 70 | 180 | 133 | 60 | 0.22 | 0.44 | 0.33 | 0.69 |
| | T1-510520 TOP2 | SGM7J 08/08 | 195 | 315 | 66.6 | 38 | 0.32 | 0.54 | 0.55 | 0.94 |
| | T1-511520 TOP2 | SGM7J 08/08 | 135 | 315 | 133 | 38 | 0.22 | 0.54 | 0.33 | 0.94 |
| | T1-520530 TOP3 | on request | | | | | | | | |
| | T1-521530 TOP3 | | | | | | | | | |
| YASKAWA SGMJV | T1-507510 TOP1 | SGMJV 04/08 | 115 | 180 | 66.7 | 60 | 0.30 | 0.44 | 0.53 | 0.69 |
| | T1-508510 TOP1 | SGMJV 04/08 | 70 | 180 | 130 | 60 | 0.22 | 0.44 | 0.33 | 0.69 |
| | T1-510520 TOP2 | SGMJV 08/08 | 195 | 315 | 66.7 | 38 | 0.32 | 0.54 | 0.55 | 0.94 |
| | T1-511520 TOP2 | SGMJV 08/08 | 140 | 315 | 133 | 38 | 0.21 | 0.54 | 0.32 | 0.94 |
| | T1-520530 TOP3 | SGMJV/EV 08/15 | 335 | 650 | 40 | 25 | 0.46 | 0.89 | 0.84 | 1.49 |
| | T1-521530 TOP3 | SGMJV/EV 08/15 | 220 | 650 | 80 | 25 | 0.28 | 0.34 | 0.46 | 1.34 |
| MITSUBISHI | T1-507510 TOP1 | HG56/75 | 120 | 170 | 60 | 45 | 0.32 | 0.49 | 0.57 | 0.83 |
| | T1-508510 TOP1 | HG56/75 | 70 | 170 | 110 | 45 | 0.22 | 0.49 | 0.36 | 0.83 |
| | T1-510520 TOP2 | HG-(H)75/(H)105 | 185 | 430 | 50 | 30 | 0.37 | 0.59 | 0.67 | 1.09 |
| | T1-511520 TOP2 | HG-(H)75/ (H) 105 | 130 | 430 | 100 | 30 | 0.24 | 0.59 | 0.39 | 1.09 |
| | T1-520530 TOP3 | HG-(H)105/ (H) 104 | 440 | 650 | 32 | 20 | 0.54 | 0.94 | 1.01 | 1.69 |
| | T1-521530 TOP3 | HG-(H) 105/ (H) 104 | 220 | 650 | 60 | 22 | 0.34 | 0.82 | 0.59 | 1.50 |
| SANYO | T1-507510 TOP1 | R2Ax 06040/08075 | 120 | 185 | 66.7 | 60 | 0.30 | 0.44 | 0.52 | 0.69 |
| | T1-508510 TOP1 | R2Ax 06040/08075 | 70 | 185 | 130 | 60 | 0.22 | 0.44 | 0.33 | 0.69 |
| | T1-510520 TOP2 | R2Ax 08075/08075 | 210 | 245 | 66.7 | 40 | 0.32 | 0.54 | 0.55 | 0.92 |
| | T1-511520 TOP2 | R2Ax 08075/08075 | 145 | 245 | 130 | 40 | 0.22 | 0.54 | 0.34 | 0.92 |
| SIEMENS | T1-510520 TOP2 | 1FK2204/1FK2205 | 150 | 425 | 65 | 30 | 0.33 | 0.59 | 0.56 | 1.09 |
| | T1-511520 TOP2 | 1FK2204/1FK2205 | 105 | 425 | 130 | 30 | 0.22 | 0.59 | 0.33 | 1.09 |
| | T1-520530 TOP3 | 1FK2205/1FK2206 | 425 | 650 | 33 | 25 | 0.53 | 0.74 | 0.98 | 1.34 |
| | T1-520530 TOP3 | 1FK7042/1FK7062 | 435 | 650 | 50 | 25 | 0.44 | 0.89 | 0.74 | 1.49 |
| | T1-521530 TOP3 | 1FK2205/1FK2206 | 220 | 650 | 65 | 25 | 0.30 | 0.74 | 0.53 | 1.34 |
| | T1-521530 TOP3 | 1FK7042/1FK7062 | 220 | 650 | 90 | 25 | 0.27 | 0.74 | 0.43 | 1.34 |

* At 1 rpm; for more, please refer to **p. 112**
** for Siemens / Heidenhain
*** Without clamping; for times, please refer to **p. 126**

## Item no.

**T1–510520.LL TOP–F1**

- **Motor** F1=Fanuc is (200 V), F2=Fanuc HVis (400 V), M1=Movinor/Mavilor ERN, M2=Movinor/Mavilor EQN 1125, M3= Movinor/Mavilor EQN 1135, MI3= Mitsubishi 200V, MI4 Mitsubishi 400V, S3=Sanyo, Y2=Yaskawa SGMJV/SGMEV, Y4=Yaskawa SGM7J
- **Divider add-on version**
- **Swiveling axis motor position** L=left, R=right
- **Dividing axis motor position** L=left, R=right
- **Swiveling axis size** 510, 520
- **Dividing axis size** 507, 510, 520
- **Rotary table model**

For calculation of load, forces and torques, please see **p. 108**

## Important information

- The limit values as set out in the corresponding parameter list take precedence over the data and information provided in the main catalog (due to motor, drive enhancement and the respective machine CNC)
- Motor-independent data are optimum values at operating temperature
- Further details are available at www.lehmann-rotary-tables.com, under Download / Commissioning



Labyrinth seal (cutaway view)

Recommended for:
- Grinding operations
- High coolant pressures
- Extremely fine abrasive particles

## Accessories

Motor, cable, angular position measuring system and pL CNC starting at **p. 74**. Accessories starting at **p. 66**

## Options

| Item no. | Description |
|---|---|
| **GET.5xx-GEN** | Increased gear precision [1] |
| **GEO.5xx-GEN** | Incr. geometric precision, ½ standard tolerance |
| **SPI.5xx-Lab** [2] | Spindle seal with labyrinth, integrated sealing air pressure control |
| **SWB.510-180** | Tilting range increase from 90° to 180° (with overshoot to max. 230°) |
| **SWB.520-180** | |
| **SWB.530-180** | |

[1] incl. lower radial and axial run-out of 0.003 mm
[2] for 507/510: HSK and ripas clamping not possible manually, GET.5xx-GEN and GEO.5xx-GEN only partly possible (lower radial and axial run-out cannot always be achieved)

## Suitable alignment elements

| Item no. | Designation | Slot width | Weight [kg] |
|---|---|---|---|
| **AUR.iX-12** | **lineFIX** alignment pin, 1 pair | 12g6 | |
| **AUR.iX-14** | | 14g6 | 0.03 |
| **AUR.iX-16** | | 16g6 | 0.03 |
| **AUR.iX-18** | | 18g6 | 0.03 |

For **lineFIX**, refer to **p. 86**