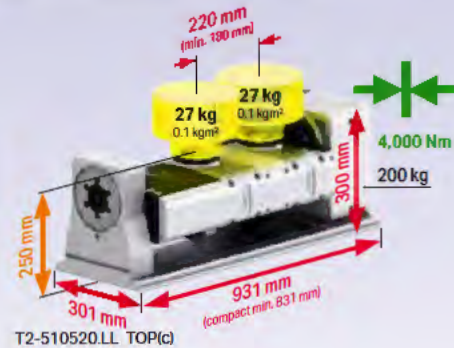




T2

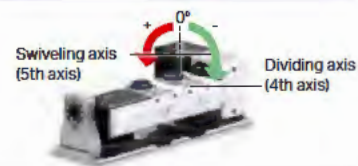


T3

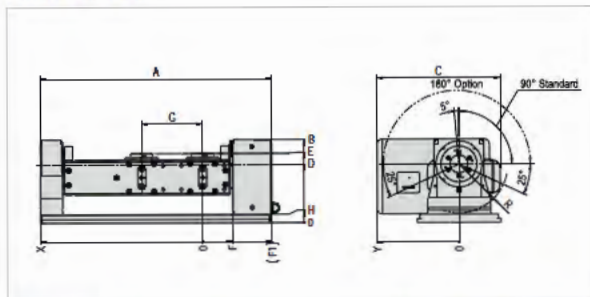


		T2-507510 (508510) TOP1.2(s)	T2-510520 (511520) TOP2.2(s)	T3-507510 (508510) TOP1.3(s)	T3-510520 (511520) TOP2.3(s)		
Dimensions	Swivel ø	mm	160	220	160	220	
	Spindle distance	mm	160	220	160	220	
	Center height	mm	190	220	190	220	
	Total weight with motor	kg	115	200	137	245	
Center bore		mm	31	34	31	34	
Bearing / Clamping	Max. clamping torque	4th axis 5th axis	Nm	300 1,100	800 (600) 4,000	300 1,100	800 (600) 4,000
	Max spindle load per spindle	0°-30°	kg	2x40	2x67	3x27	3x44
		30°-90°	kg	2x27	2x45	3x18	3x30
		Standard load ¹⁾	kg	2x12 (2x7.5)	2x27 (2x14)	3x9 (3x6)	3x21 (3x11)
	Max. axial force	4. axis per spindle	kN	12	20	12	20
	Max. pull-out torque	4th axis 5th axis	Nm	1,200 2,000	2,000 3,900	1,200 2,000	2,000 3,900
Max. moment of inertia		Standard load ¹⁾ J max	kgm ²	0.05 (0.025) 0.5 (0.25)	0.2 (0.07) 2 (0.7)	0.05 (0.025) 0.5 (0.25)	0.21 (0.07) 2 (0.7)
	Feed torque max ³⁾	4th axis 5th axis	Nm	120 (70) 230	190 (140) 440	120 (70) 230	150 (120) 440
Gear unit loading 5th axis		without load with standard load	Nm	-20 18 (16)	-33 30 (8)	-22 22 (20)	-45 25 (13)
	M max	Nm	250	440	250	440	
	Indexing accuracy Pa	4th axis ²⁾ 5th axis (90°) ¹⁾	± arc sec	20/12 45/20 (45/29)	17/10 26/22 (26/15)	20/12 56/28 (56/30)	17/10 30/20 (30/18)
Repeat accuracy Ps average		4th axis 5th axis	± arc sec		2 2		
	Max speed at standard load	4th axis ¹⁾ 5th axis ¹⁾	rpm	90 (170) 60	70 (105) 40	70 (120) 60	40 (50) 40
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/100mm		10 / 5		

¹⁾ Mutually dependent; for individual drive motor data, see right side
²⁾ Standard / increased; for measuring method and validity of the values for optional angular position measuring system
³⁾ Limit value for gear unit, at 1 rpm
¹⁾ without load / with standard load 0°-90°



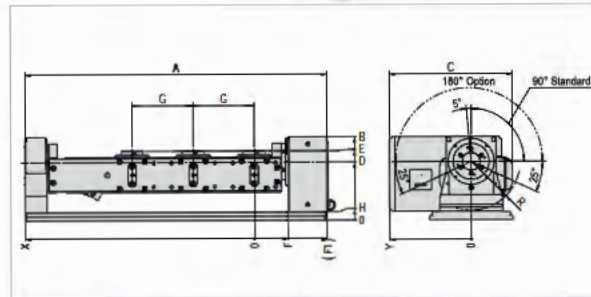
Dimensions



	A	B	C	D	E	F	F1	G	G2*	H	R	X	Y
T2-507510	766	245	382	180	226	151	230	160	130	30	136	489	248
T2-510520	931	300	469	210	250	182	264	220	180	30	177	571	295

Dimensions with 508 or 511 identical to 507510 and 510520.
 * Minimum possible spindle distance (option)

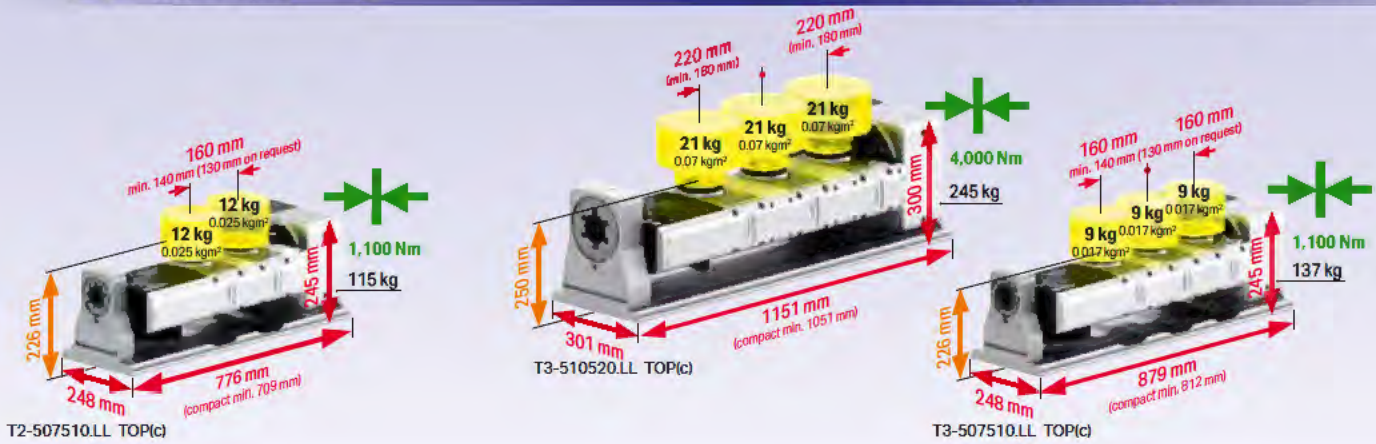
Compact versions: Dimension A, F and X
 507510: 47 mm shorter, 510520: 60 mm shorter



	A	B	C	D	E	F	F1	G	G2*	H	R	X	Y
T3-507510	896	245	382	180	226	151	230	160	130	30	136	658	248
T3-510520	1111	300	469	210	250	182	264	220	180	30	177	791	295

Raised center height (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)

Item no. as for TOP. Instead of «T1», however, «T2» or «T3».



Drive data

(based on standard load cube shown)



	Motors 4th/5th	Feed* [N/m]		Speed [rpm]		Cycle time*** [sec]					
		4.	5.	4.	5.	4.	5.				
MAVILOR / MOVINOR **	T2-507510 TOP1.2	BLS-072/BLS-072	120	230	90	60	0.32	0.44	0.48	0.69	
	T2-508510 TOP1.2(s)	BLS-072/BLS-072	70	230	170	60	0.27	0.44	0.35	0.69	
	T2-510520 TOP2.2	BLS-072/BLS-073	190	425	80	45	0.32	0.54	0.54	0.87	
	T2-510520 TOP2.2	BLS-072/LN-098	190	440	80	40	0.32	0.52	0.54	0.89	
	T2-511520 TOP2.2(s)	BLS-072/BLS-073	140	425	105	45	0.25	0.54	0.40	0.87	
	T2-511520 TOP2.2(s)	BLS-072/LN-098	140	440	105	40	0.25	0.52	0.40	0.89	
	T3-507510 TOP1.3	BLS-072/BLS-072	120	230	70	60	0.34	0.50	0.55	0.75	
	T3-508510 TOP1.3(s)	BLS-072/BLS-072	70	230	120	60	0.27	0.50	0.39	0.75	
	T3-510520 TOP2.3	BLS-072/BLS-073	150	425	40	40	0.48	0.57	0.85	0.94	
	T3-510520 TOP2.3	BLS-072/LN-098	150	440	40	40	0.48	0.54	0.85	0.92	
FANUC	T2-507510 TOP1.2	β1 is/α2 (HV)is	65	110	60	40	0.37	0.61	0.62	0.98	
	T2-508510 TOP1.2(s)	β1 is/α2 (HV)is	40	110	90	40	0.34	0.61	0.50	0.98	
	T2-510520 TOP2.2	α2 (HV)is/α2 (HV)is	95	195	45	28	0.45	0.69	0.78	1.23	
	T2-510520 TOP2.2	α2 (HV)is/α4 (HV)is	95	335	45	30	0.45	0.66	0.78	1.16	
	T2-511520 TOP2.2(s)	α2 (HV)is/α2 (HV)is	80	195	70	28	0.33	0.69	0.55	1.23	
	T2-511520 TOP2.2(s)	α2 (HV)is/α4 (HV)is	80	335	70	30	0.33	0.66	0.55	1.16	
	T3-507510 TOP1.3	β1 is/α2 (HV)is	30	110	30	40	0.57	0.69	1.07	1.06	
	T3-510520 TOP2.3	α2 (HV)is/α2 (HV)is	65	195	30	27	0.66	0.74	1.16	1.29	
	T3-510520 TOP2.3	α2 (HV)is/α4 (HV)is	65	335	30	29	0.66	0.68	1.16	1.19	
	YASKAWA SGM7J	T2-507510 TOP1.2	SGM7J 06/08	120	180	65	55	0.35	0.48	0.58	0.75
T2-508510 TOP1.2(s)		SGM7J 06/08	70	180	120	55	0.23	0.48	0.36	0.75	
T2-510520 TOP2.2		SGM7J 08/08	145	315	50	38	0.40	0.56	0.70	0.95	
T2-511520 TOP2.2(s)		SGM7J 08/08	110	315	90	38	0.28	0.56	0.45	0.95	
T3-507510 TOP1.3		SGM7J 06/08	120	180	50	50	0.39	0.52	0.69	0.82	
T3-508510 TOP1.3(s)		SGM7J 06/08	70	180	95	50	0.28	0.52	0.43	0.82	
T3-510520 TOP2.3		SGM7J 08/08	105	315	35	35	0.54	0.61	0.97	1.03	
T3-511520 TOP2.3(s)		SGM7J 08/08	85	315	60	35	0.38	0.61	0.63	1.03	
YASKAWA SGM-JV		T2-507510 TOP1.2	SGMJV 04/08	85	180	50	55	0.41	0.48	0.71	0.75
		T2-508510 TOP1.2(s)	SGMJV 04/08	65	180	85	55	0.31	0.48	0.49	0.75
	T2-510520 TOP2.2	SGMJV 08/08	145	315	50	38	0.40	0.56	0.70	0.95	
	T2-511520 TOP2.2(s)	SGMJV 08/08	110	315	90	38	0.28	0.56	0.45	0.95	
	T3-508510 TOP1.3(s)	SGMJV 04/08	50	180	55	50	0.39	0.52	0.66	0.82	
	T3-510520 TOP2.3	SGMJV 08/08	105	315	35	35	0.54	0.61	0.97	1.03	
	T3-511520 TOP2.3(s)	SGMJV 08/08	85	315	60	35	0.38	0.61	0.63	1.03	
	MITSUBISHI 200V	T2-507510 TOP1.2	HG56/75	100	170	40	45	0.43	0.51	0.81	0.85
		T2-508510 TOP1.2(s)	HG56/75	70	170	80	45	0.29	0.51	0.48	0.85
		T2-510520 TOP2.2	HG75/105	135	430	45	30	0.40	0.63	0.73	1.13
T2-511520 TOP2.2(s)		HG75/105	100	430	80	30	0.30	0.63	0.49	1.13	
T3-507510 TOP1.3		HG56/75	75	170	35	40	0.48	0.57	0.91	0.94	
T3-508510 TOP1.3(s)		HG56/75	65	170	65	40	0.37	0.57	0.60	0.94	
T3-510520 TOP2.3		HG75/105	95	430	25	30	0.64	0.64	1.24	1.14	
T3-511520 TOP2.3(s)		HG75/105	80	430	35	30	0.48	0.64	0.91	1.14	
MITSUB. 400 V		T2-510520 TOP2.2	HG-H75/H105	135	430	45	30	0.40	0.63	0.73	1.13
		T2-511520 TOP2.2(s)	HG-H75/H105	100	430	80	30	0.30	0.63	0.49	1.13
	T3-510520 TOP2.3	HG-H75/H105	95	430	25	30	0.64	0.64	1.24	1.14	
	T3-511520 TOP2.3(s)	HG-H75/H105	80	430	35	30	0.48	0.64	0.91	1.14	
SANYO	T2-507510 TOP1.2	R2Ax 06040/08075	95	185	55	55	0.37	0.48	0.64	0.75	
	T2-508510 TOP1.2(s)	R2Ax 06040/08075	70	185	100	55	0.30	0.48	0.45	0.75	
	T2-510520 TOP2.2	R2Ax 08075/08075	145	245	50	40	0.39	0.57	0.69	0.94	
	T2-511520 TOP2.2(s)	R2Ax 08075/08075	135	245	90	40	0.28	0.57	0.45	0.94	
	T3-507510 TOP1.3	R2Ax 06040/08075	70	185	40	50	0.48	0.52	0.85	0.82	
	T3-508510 TOP1.3(s)	R2Ax 06040/08075	60	185	65	50	0.35	0.52	0.58	0.85	
	T3-510520 TOP2.3	R2Ax 08075/08075	110	245	35	35	0.54	0.61	0.97	1.03	
	T3-511520 TOP2.3(s)	R2Ax 08075/08075	120	245	60	35	0.35	0.61	0.60	1.03	

*At 1 rpm;
*** Without clamping, for times

** for Siemens / Heidenhain

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-dependent 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

Options

Item no.	Description
GEO.5xx-GEN	Incr. geometric precision, 1/2 standard tolerance
SPL5xx-Lab ¹⁾ (for 5th axis)	Spindle seal with labyrinth, integrated sealing air pressure control
SPL5xx-Lab-x2 ¹⁾ (for 4th axis)	Spindle seal with labyrinth, integrated sealing air pressure control, for 2 spindles
SPL5xx-Lab-x3 ¹⁾ (for 4th axis)	Spindle seal with labyrinth, integrated sealing air pressure control, for 3 spindles
SWB.510-180	Tilting range max. 230°, set to 180°

¹⁾ for 507/510: HSK and ripas clamping not possible manually, GET.5xx-GEN and GEO.5xx-GEN only partly possible (increased radial and axial run-out cannot always be reached)

Suitable alignment elements

Item no.	Designation	Slot width
AUR.iX-12		12g6
AUR.iX-14	Alignment pin lineFIX,	14g6
AUR.iX-16	1 pair	16g6
AUR.iX-18		18g6