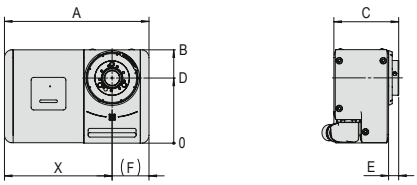
					EA-507	EA-508	EA-510	EA-511	EA-520	EA-530
Dimensions	Swivel ø			mm	160		240		350	430
	Center height			mm	110		150		180	220
	Total weight	with motor		kg	30		35		65	150
	Center bore [2]			mm	31		34		46 / 64	90 / 102
Bearing / Clamping	Max. clamping torque			Nm	300	250	800	600	2,000	5,000
	Max. spindle load	with tailstock		kg	240		400		800	1,600
		without tailstock		kg	120		200		400	800
		Standard load [1]		kg	17	12	42	22	90	161
	Max. axial force			kN	44		46		100	210
	Max. pull-out torque			Nm	1,200		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	2
		J max		kgm²	0.5	0.25	2	0.7	8	20
	Max. feed torque [3]			Nm	120	70	250	150	440	650 optional 850
	Indexing accuracy Pa [2]			± arc sec	20/12		17/10		12/8	10/6
	Repeat accuracy Ps average			± arc sec	2					
	Max speed	with standard load [1]		min⁻¹	111	210	80	160	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]	Dividing axis 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, please refer to **p. 50**; for optional angular position measuring system please refer to **p. 51**
[3] Limit value for gear unit, at 1 rpm

Dimensions



	A	B	C	D	E	F	X
EA-507	311	165	136	110	23	75	236
EA-508	311	165	136	110	23	75	236
EA-510	333	215	150	150	23	85	248
EA-511	333	215	150	150	23	85	248
EA-520	405	270	186	180	44	110	295
EA-530	550	360	223	220	43	160	390

Item no.

EA–510.L–F1

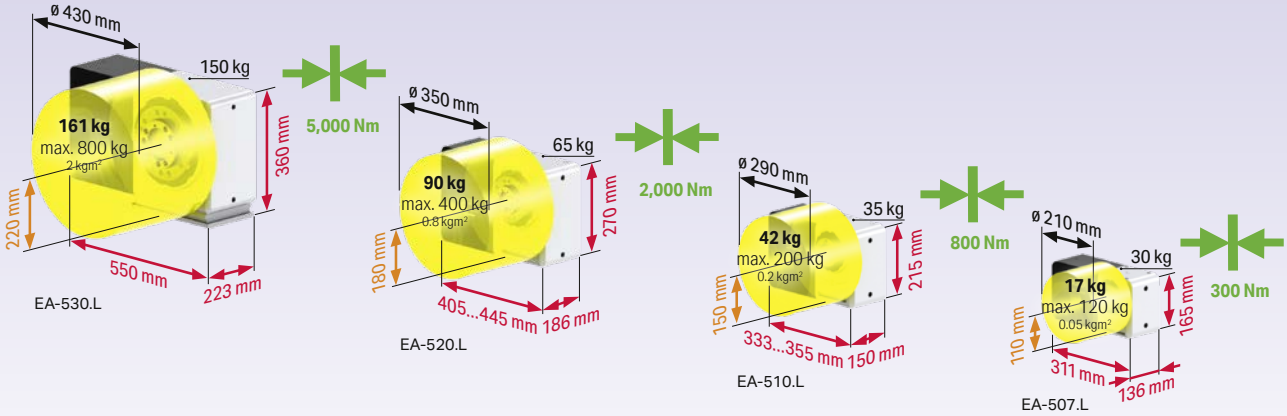
- **Motor** F1=Fanuc is (200V), F2=Fanuc HVis (400V), M1=Movinor/Mavilor ERN, M2=Movinor/Mavilor EQN 1125, M3= Movinor/Mavilor EQN 1135, MI3= Mitsubishi 200V, MI4 Mitsubishi 400V, S2=Sanyo, Y2=Yaskawa SGMJV/SGMEV, Y4=Yaskawa SGM7J
- **Dividing axis motor position** L=left, R=right
- **Dividing axis size** 507, 508, 510, 511, 520, 530
- **Rotary table model**

Vertical clamping

Add-on housing for vertical clamping. Shown with rotary union.

	Item no.	DDF	SPZ	WMS 2	WMS 7	Height mm
EA-510 (511)	GPL.510ver-180	●				180
EA-510 (511)	GPL.510ver-240*	●	●	●		240
EA-520	GPL.520ver-215	●				215
EA-520	GPL.520ver-275	●	●	●		275
EA-530	GPL.530ver-255	●				255
EA-530	GPL.530ver-310	●	●	●	●	310

* only 1 accessory possible (e.g. DDF), cannot be combined (e.g. ~~DDF+SPZ~~)
WMS = for angular position measuring systems (WMS 2 small, WMS 7 large); for more, please refer to **p. 51**
SPZ = for clamping cylinder; for more, please refer to **pp. 46/47**
DDF = for rotary union; for more, please refer to **p. 48**



Drive data

(based on standard load cube shown on **pp. 102/103**)

		Motors	Feed* [Nm]	Speed [min⁻¹]	Cycle time*** 90° [sec]	Cycle time*** 180° [sec]
MAVILOR / MOVINOR**	EA-507	BLS-072	120	111	0.26	0.39
	EA-508	BLS-072	70	210	0.23	0.29
	EA-510	BLS-072	250	80	0.30	0.49
	EA-511	BLS-072	150	160	0.23	0.31
	EA-520	BLS-073	440	50	0.41	0.71
	EA-520	LN-098	440	45	0.43	0.77
	EA-530	LN-098	650	40	0.52	0.89
FANUC	EA-507	β1 is	80	66.7	0.30	0.53
	EA-508	β1 is	55	130	0.25	0.36
	EA-510	α2 (HV)is	120	55	0.36	0.63
	EA-511	α2 (HV)is	85	100	0.24	0.39
	EA-520	α2 (HV)is	210	33	0.54	0.99
	EA-520	α4 (HV)is	355	33	0.56	1.01
	EA-530	α4 (HV)is	420	27	0.69	1.25
	EA-530	α8 (HV)is****	650	26.7	0.64	1.20
YASKAWA SGM7J	EA-507	SGM7J 06	120	66	0.30	0.53
	EA-508	SGM7J 06	70	133	0.22	0.33
	EA-510	SGM7J 08	195	66.6	0.32	0.55
	EA-511	SGM7J 08	135	133	0.22	0.33
	EA-520	SGM7J 08	335	40	0.46	0.84
	EA-530	on request				
YASKAWA SGMJV	EA-507	SGMJV 04	115	66.7	0.30	0.53
	EA-508	SGMJV 04	70	130	0.22	0.33
	EA-510	SGMJV 08	195	66.7	0.32	0.55
	EA-511	SGMJV 08	140	133	0.21	0.32
	EA-520	SGMJV 08	335	40	0.46	0.84
	EA-530	SGMEV 15	650	27	0.65	1.21
MITSUBISHI 200 V	EA-507	HG56	120	60	0.32	0.57
	EA-508	HG56	70	110	0.22	0.36
	EA-510	HG75	185	50	0.37	0.67
	EA-511	HG75	130	100	0.24	0.39
	EA-520	HG105	440	32	0.54	1.01
	EA-530	HG104	650	24	0.70	1.32
MITSUBISHI 400V	EA-510	HG-H75	185	50	0.37	0.67
	EA-511	HG-H75	130	100	0.24	0.39
	EA-520	HG-H75	345	30	0.57	1.07
	EA-520	HG-H105	440	32	0.54	1.01
	EA-530	HG-H104	650	24	0.70	1.32
SANYO	EA-507	R2Ax 06040	120	66.7	0.30	0.52
	EA-508	R2Ax 06040	70	130	0.22	0.33
	EA-510	R2Ax 08075	210	66.7	0.32	0.55
	EA-511	R2Ax 08075	145	130	0.22	0.34
	EA-520	R2Ax 08075	270	45	0.43	0.77
OK-UMA	EA-520	BL-ME24J-50SN	300	27.5	0.61	1.15
	EA-530	BL-ME80J-40SN	650	25	0.69	1.29
SIEMENS	EA-520	1FK7042	435	50	0.44	0.74
	EA-530	1FK7062	650	40	0.52	0.89

* At 1 rpm; for more, please refer to **p. 108**
** for Siemens / Heidenhain
*** Without clamping; for times, please refer to **p. 118**
**** not with 35iB

For calculation of load, forces and torques, please see **p. 104**

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 starting at **p. 52**. Accessories starting at **p. 44**

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
MOT.520-LNG	long motor housing EA-520

1) incl. increased radial and axial run-out 0.003 mm
2) 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)

Center height increase

	Item no.	Designation	Increase / center height D
EA-507 (508)	**GPL.507-150**	Base plate for center height increase	40 mm / 150 mm
EA-510 (511)	**GPL.510-180**		30 mm / 180 mm
EA-520	**GPL.520-220**		40 mm / 220 mm
EA-530	**GPL.530-280**		60 mm / 280 mm

Suitable alignment elements

Item no.	Designation	Slot width
AUR.St-12	Alignment block, 1 pair	12h6
AUR.St-14		14h6
AUR.St-16		16h6
AUR.St-18		18h6