



				EA-507	EA-508	EA-510	EA-511	EA-520	EA-521	EA-530	
Dimensions	Swivel ø		mm	160		240		350		430	
	Center height		mm	110		150		180		220	
	Total weight	with motor	kg	25		35		65		150	
	Center bore ²⁾		mm	31		34		46 / 64		90 / 102	
Bearing / Clamping	Max. clamping torque		Nm	300	250	800	600	2000		5000	
	Max. spindle load	with tailstock		kg	240		400		800		1600
		without tailstock		kg	120		200		400		800
	Standard load ¹⁾		kg	17	12	42	22	90	61	161	
Max. axial force		kN	44		46		100		210		
Max. pull-out torque		Nm	1200		2000		3900		10400		
Gear unit	Max. moment of inertia	Standard load ¹⁾		kgm ²	0.05	0.025	0.2	0.07	0.8	0.4	2
		J max		kgm ²	0.5	0.25	2	0.7	8	4	20
	Max. feed torque ³⁾		Nm	120	70	250	150	440	220	650 opt. 850	
	Limited torques due to eccentric loads ⁴⁾		Nm	25	9 ⁵⁾	40	30 ⁵⁾	110	45 ⁵⁾	280	
Indexing accuracy Pa ²⁾		± arc sec	20/15		17/10		12/8		10/6		
Repeat accuracy Ps average		± arc sec	2								
Max speed	with standard load ¹⁾		rpm	111	210	80	160	50	100	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/100 mm	10 / 5							

¹⁾ Mutually dependent; for individual drive motor data, see right side

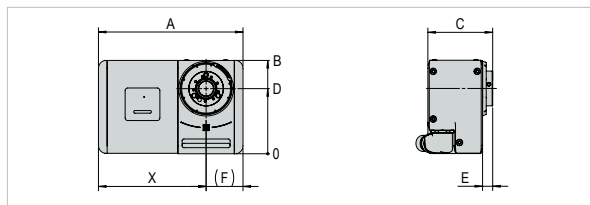
²⁾ Standard / increased; for measuring method and validity of the values, please refer to p. 60, for optional angular position measuring system please refer to p. 61

³⁾ Limit value for gear unit, at 1 rpm

⁴⁾ For torque calculation, see p. 94

⁵⁾ Limit value for self-locking, gear unit 508/511/521

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-521	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 (200 V), F2=Fanuc HVis (400 V), M1=Movinor/Mavilor ERN, M2=Movinor/Mavilor EQN 1125, M3= Movinor/Mavilor EQN 1135, M1G= Mitsubishi 200V, M4 Mitsubishi 400V, S2=Sanyo, Y2=Yaskawa SGM/JV SGM7J, Y4=Yaskawa SGM7J
Dividing axis motor position	L=left, R=right
Dividing axis size	507, 508, 510, 511, 520, 521, 530
Rotary table model	

The EA clamped in another way ...



Center height increase

	Item no.	Designation	Increase / center height D	Weight [kg]
EA-507 (508)	GPL.507-150	Base plate for center height increase	40 mm / 150 mm	4.67
EA-510 (511)	GPL.510-180		30 mm / 180 mm	
EA-520 (521)	GPL.520-220		40 mm / 220mm	12.15
EA-530	GPL.530-280		60 mm / 280 mm	



Vertical clamping

	Item no.	DDF	SPZ	WMS 2	WMS 7	WMS C	Height [mm]	Weight [kg]
EA-510 (511)	GPL.510ver-180	•				•	180	7.93
EA-510 (511)	GPL.510ver-240*	•	•	•		•	240	20.37
EA-520 (521)	GPL.520ver-215	•				•	215	21.16
EA-520 (521)	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. 61

SPZ = for clamping cylinder; for more, please refer to p. 56/57

DDF = for rotary union; for more, please refer to p. 58



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



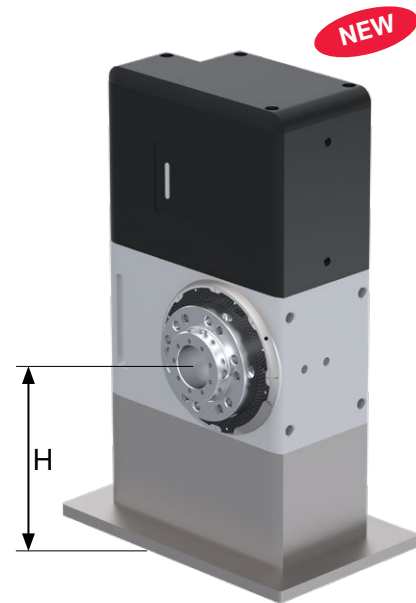
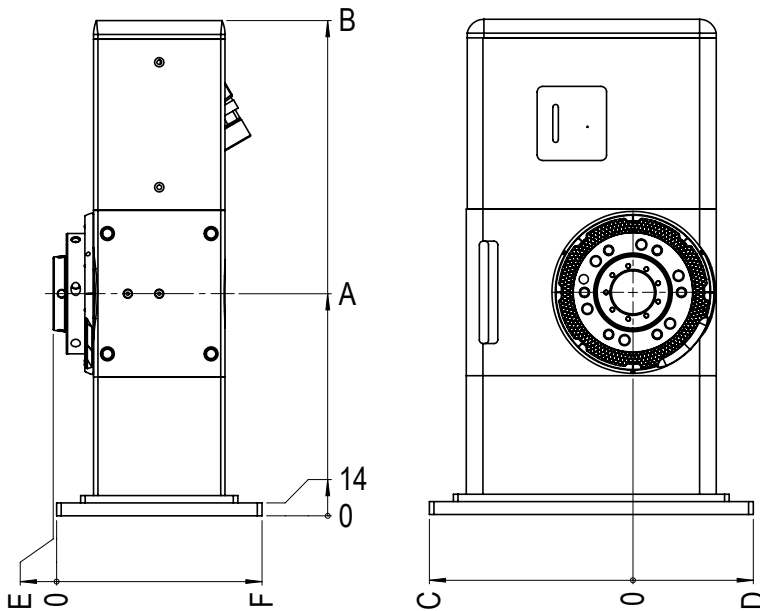
Add-on housing for vertical clamping. Shown with angular position measuring system "compact".

... the solution for horizontal machining centers



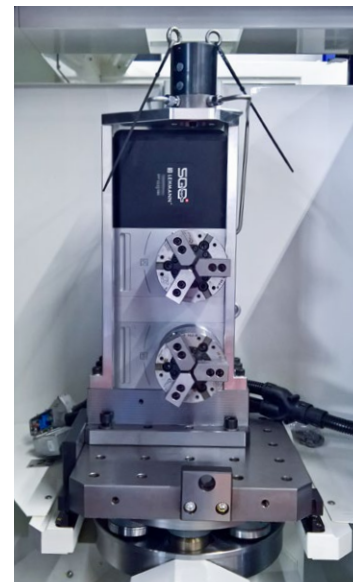
Lateral clamping

	Item no.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	Weight [kg]
EA-510 (511)									on request
EA-520	GPL.520hor-240	240	575	220	130	4	222	240	
EA-530									on request



Options

Item no.	Description
GEO.5xx-GEN	Incr. geometric precision, 1/2 standard tolerance



- Overview, Applications
- System & Facts, IBox
- Rotary Tables
- SPZ, DDF, WMS
- MOT, KAB, WDF, CNC
- Aligning, GLA, RST, LOZ
- Service & Technology
- Tooling