

Technical data FIBROTOR® EM.NC.13

RPM at table top		$n_{max.} = 30^1/min$
Centre hole	With lateral opening in the housing	$\varnothing 35\text{ mm}$
Working position	Any, standard: Horizontal table top, (please specify other mounting positions when ordering)	
Weight		approx. 70 kg

Indexing times FIBROTOR® EM.NC.13

Mass moment of inertia J in kgm^2	4	8	16	24	32
Max. perm. table top speed $^1/min$	30	25	23	18	15
Acceleration time t_a in s	0,2	0,2	0,3	0,4	0,5
Overall gear ratio reduction i	96,000	120,000	120,000	155,784	182,064
Motor speed n in $^1/min$	2880	3000	2760	2804	2731
Motor torque required in Nm	3,4	3,4	3,4	3,4	3,4
Swivel time t_s in s for 360°	2,30	2,70	3,01	3,83	4,60
180°	1,30	1,50	1,70	2,17	2,60
90°	0,80	0,90	1,05	1,33	1,60
60°	0,63	0,70	0,83	1,06	1,27
45°	0,55	0,60	0,73	0,92	1,10
30°	0,47	0,50	0,62	0,78	0,93
20°	0,41	0,43	0,54	0,69	0,82
10°	0,36	0,37	0,47	0,59	0,71
5°	0,33	0,33	0,44	0,55	0,66
2°	0,31	0,31	0,41	0,52	0,62

Load data FIBROTOR® EM.NC.13

Perm. transport load	kg	1500	①
Horizontal table top	kg	400	②
Vertical table top	kg	400	
Table top, upside down	kg	400	
Perm. add-on diameter	mm	1400	③
Perm. axial loading on the table top	N	16000	④
Horizontal	N	6000	⑤
Vertical	N	10000	⑥
Perm. radial loading on table top	N	10000	⑥
Perm. tilting moment on positioned table top	Nm	3000	⑦
Horizontal	Nm	9000	⑦
With strenghtened table top bearing	Nm	1500	⑧
Vertical	Nm	4500	⑦
With strenghtened table top bearing	Nm	800	
Upside-down	Nm	800	
Perm. tilting moment on rotating table top	Nm	1000	⑦+⑥
With strenghtened table top bearing	Nm	3000	
Upside-down	Nm	400	
Perm. tangential moment on positioned table top, from machining force and in vertical position additionally from eccentric trabsport load	Nm	250	⑨
With hydraulic table top lock	Nm	900	⑨

