

Technical data FIBROTOR® EM.NC.12

RPM at table top		$n_{max.} = 30 \text{ l/min}$
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		ca. 30 kg

Indexing times FIBROTOR® EM.NC.12

Mass moment of inertia J in kgm^2	2	6	8	12	16	20	24
Max. perm. table top speed l/min	30	25	23	18	15	12	9
Acceleration time t_a in s	0,1	0,2	0,2	0,2	0,3	0,3	0,3
Overall gear ratio reduction i	96,000	120,000	120,000	148,908	179,052	215,208	312,000
Motor speed n in l/min	2880	3000	2760	2680	2686	2582	2808
Motor torque required in Nm	2,5	2,2	2,2	2,2	2,2	2,2	2,2
Swivel time t_s in s for 360°	2,20	2,70	2,91	3,63	4,40	5,40	7,07
180°	1,20	1,50	1,60	1,97	2,40	2,90	3,73
90°	0,70	0,90	0,95	1,13	1,40	1,65	2,07
60°	0,53	0,70	0,73	0,86	1,07	1,23	1,51
45°	0,45	0,60	0,63	0,72	0,90	1,03	1,23
30°	0,37	0,50	0,52	0,58	0,73	0,82	0,96
20°	0,31	0,43	0,44	0,49	0,62	0,68	0,77
10°	0,26	0,37	0,37	0,39	0,51	0,54	0,59
5°	0,23	0,33	0,34	0,35	0,46	0,47	0,49
2°	0,21	0,31	0,31	0,32	0,42	0,43	0,44

Load data FIBROTOR® EM.NC.12

Perm. transport load	kg	800	①
Horizontal table top	kg	300	②
Vertical table top	kg	300	
Table top, upside down	kg	300	
Perm. add-on diameter	mm	1000	③
Perm. axial loading on the table top	N	12000	④
Horizontal	N	5000	⑤
Vertical	N	5000	
Perm. radial loading on table top	N	8000	⑥
Perm. tilting moment on positioned table top	Nm	2000	⑦
Horizontal	Nm	6000	⑦
With strenghtened table top bearing	Nm	1500	⑧
Vertical	Nm	4500	⑦
With strenghtened table top bearing	Nm	4500	⑦
Upside-down	Nm	600	
Perm. tilting moment on rotating table top	Nm	600	⑦+⑧
With strenghtened table top bearing	Nm	1800	
Upside-down	Nm	300	
Perm. tangential moment on positioned table top, from machining force and in vertical position additionally from eccentric transport load	Nm	200	⑨
With hydraulic table top lock	Nm	800	⑨

