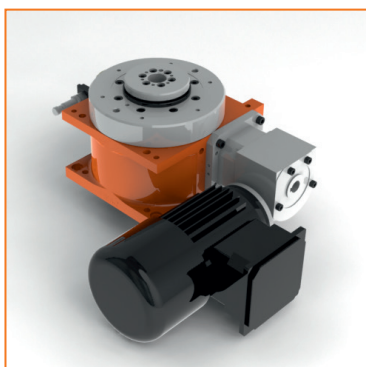


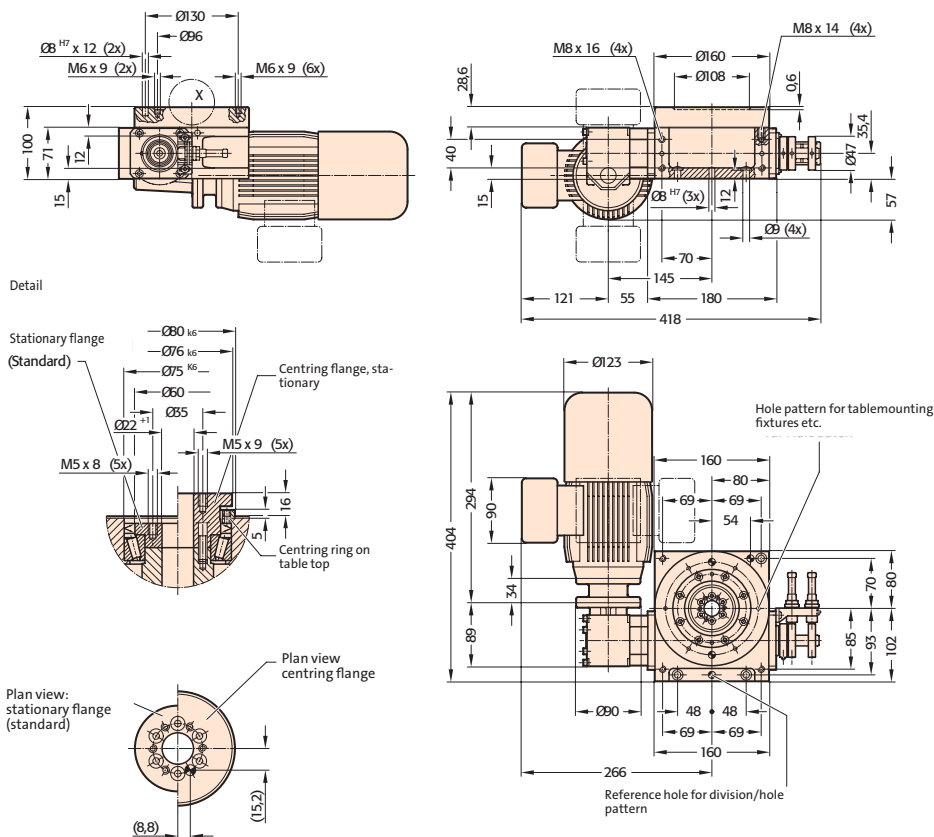
FIBROTOR ER.11.0160.1.152.XX.0.0.3
Drive arrangement 152



FIBROTOR ER.11.0160.1.152.XX.0.0.3
Drive arrangement 152

Installed dimensions FIBROTOR® ER.11

(Drive arrangement 152, for other drive arrangements, drawings of CAD data are available)



Technical data FIBROTOR® ER.11

Encoding

ER.11 . 0 1 6 0 . 1 0

Table top dimensions	Standard dimensions	Ø 160 mm	.0160	②
Drive motor	Standard braking motor		.1	③
Drive arrangement	See planning documents under www.fibrotor.de/downloads		.XXX	④
Divisions 2, 3, 4, 5, 6, 8, 10, 12, 16, 20, 24			.XX	⑤
Additional modules	Without additional modules		.0	⑥
	Vertical version		.3	⑦
	Vertical version with ground plate		.4	⑦
	Centring ring Centring flange Centring ring and centring flange		.1 .2 .3	⑧
Precisions	Division 2 – 12 Division 16 – 24	± 40" ± 50"		
In arc length (on Ø 160 mm)	Division 2 – 12 Division 16 – 24	± 0,015 mm ± 0,019 mm		
Axial runout		0,015 mm		
Concentricity of the centre hole		0,015 mm		
Plane parallelism		0,03 mm		
Direction of rotation	Any, limit switch set for cw rotation			
Indexing frequency		40 c/min		
Indexing-dwell angle	Division 2 Division 3 – 5 Division 6 – 12 Division 16 – 24	330° / 30° 300° / 60° 270° / 90° 135° / 45°		
Voltage	Motor and brake	400 - 460 VAC, 50/60 Hz		
Motor output	Depending on indexing time and mass moment of inertia	0,09 – 0,18 kW		
Centre hole		Ø 22 mm		
Working position	Any, standard: Horizontal table top, (please specify other mounting positions on ordering)			
Weight		approx. 20 kg		

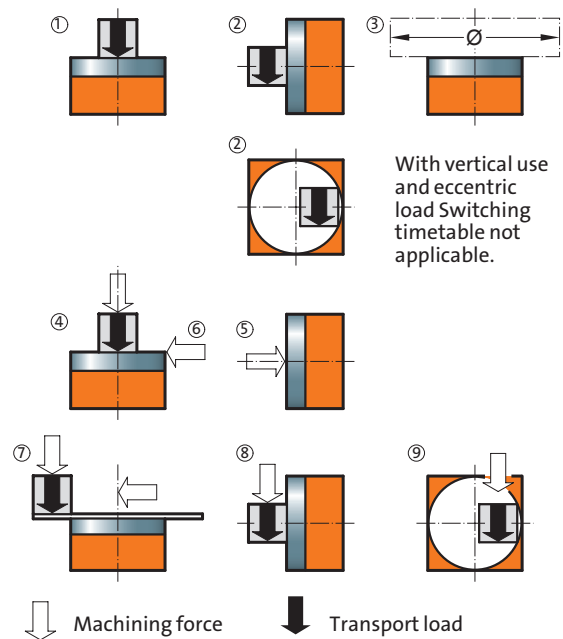
Indexing times FIBROTOR® ER.11

Division

2	t _i in s	3,06	2,32	1,83	1,47	1,10	0,92	0,71	0,59	0,47		
	J in kgm ²	20,38	11,77	7,33	4,69	2,63	1,82	1,08	0,75	0,47		
3	t _i in s	2,78	2,50	2,11	1,79	1,67	1,36	1,07	0,89	0,71	0,54	
	J in kgm ²	27,37	23,40	16,68	11,93	10,39	6,89	4,29	2,97	1,90	0,92	
4	t _i in s	2,78	2,50	2,11	1,79	1,67	1,36	1,07	0,89	0,71	0,54	
	J in kgm ²	39,03	33,37	23,79	17,38	15,14	10,03	6,25	4,33	2,77	1,55	
5	t _i in s	2,78	2,50	2,11	1,79	1,67	1,36	1,07	0,89	0,71	0,54	
	J in kgm ²	51,59	44,10	31,45	22,97	20,01	13,26	8,26	5,73	3,66	2,06	
6	t _i in s	2,50	2,25	1,90	1,61	1,50	1,22	0,96	0,80	0,64	0,48	0,39
	J in kgm ²	51,31	42,50	30,98	22,64	19,93	13,35	8,32	5,77	3,69	2,07	1,32
8	t _i in s	2,50	2,25	1,90	1,61	1,50	1,22	0,96	0,80	0,64	0,48	0,39
	J in kgm ²	69,99	57,98	42,26	30,89	27,19	18,22	11,35	7,88	5,04	2,83	1,80
10	t _i in s	2,50	2,25	1,90	1,61	1,50	1,22	0,96	0,80	0,64	0,48	0,39
	J in kgm ²	88,67	73,45	53,54	39,14	34,45	23,08	14,38	9,98	6,38	3,59	2,29
12	t _i in s	2,50	2,25	1,90	1,61	1,50	1,22	0,96	0,80	0,64	0,48	0,39
	J in kgm ²	90,69	75,13	54,76	40,03	35,24	23,61	14,71	10,21	6,53	3,67	2,34
16	t _i in s	1,25	1,13	0,95	0,80	0,75	0,61	0,48	0,40	0,32		
	J in kgm ²	30,53	25,29	18,43	13,47	11,86	7,94	4,94	3,43	2,19		
20	t _i in s	1,25	1,13	0,95	0,80	0,75	0,61	0,48	0,40	0,32		
	J in kgm ²	36,50	30,24	22,04	16,11	14,18	9,50	5,91	4,10	2,62		
24	t _i in s	1,25	1,13	0,95	0,80	0,75	0,61	0,48	0,40	0,32		
	J in kgm ²	45,06	37,33	27,20	19,88	17,50	11,72	7,30	5,07	3,24		

Load data FIBROTOR® ER.11

Perm. transport load				
Horizontal table top	kg	500	①+②	
Vertical table top	kg	200		
Table top, upside-down	kg	200		
Perm. add-on diameter				
Horizontal	mm	800	③	
Vertical	mm	800		
Upside-down	mm	800		
Perm. axial loading on the table top				
Horizontal	N	8000	④+⑤	
Vertical	N	3500		
Upside-down	N	3500		
Perm. radial loading on table top				
Horizontal	N	3500	⑥	
Vertical	N	3500		
Upside down	N	3500		
Perm. tilting moment on positioned table top				
Horizontal	Nm	750	⑦+⑧	
Vertical	Nm	450		
Upside-down	Nm	250		
Perm. tilting moment on rotating table top				
Horizontal	Nm	200	⑦+⑧	
Vertical	Nm	200		
Upside-down	Nm	100		
Perm. tangential moment on positioned table top				
Horizontal	Nm	300	⑨	
Vertical	Nm	300		
Upside-down	Nm	300		



CAD files, technical data and planning documentation can be downloaded from www.fibrotor.de