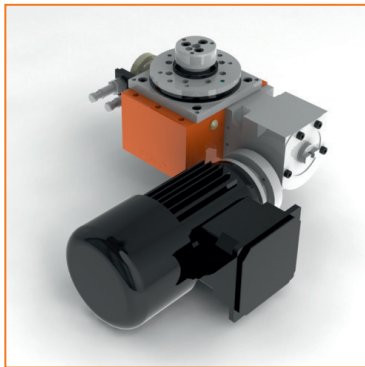


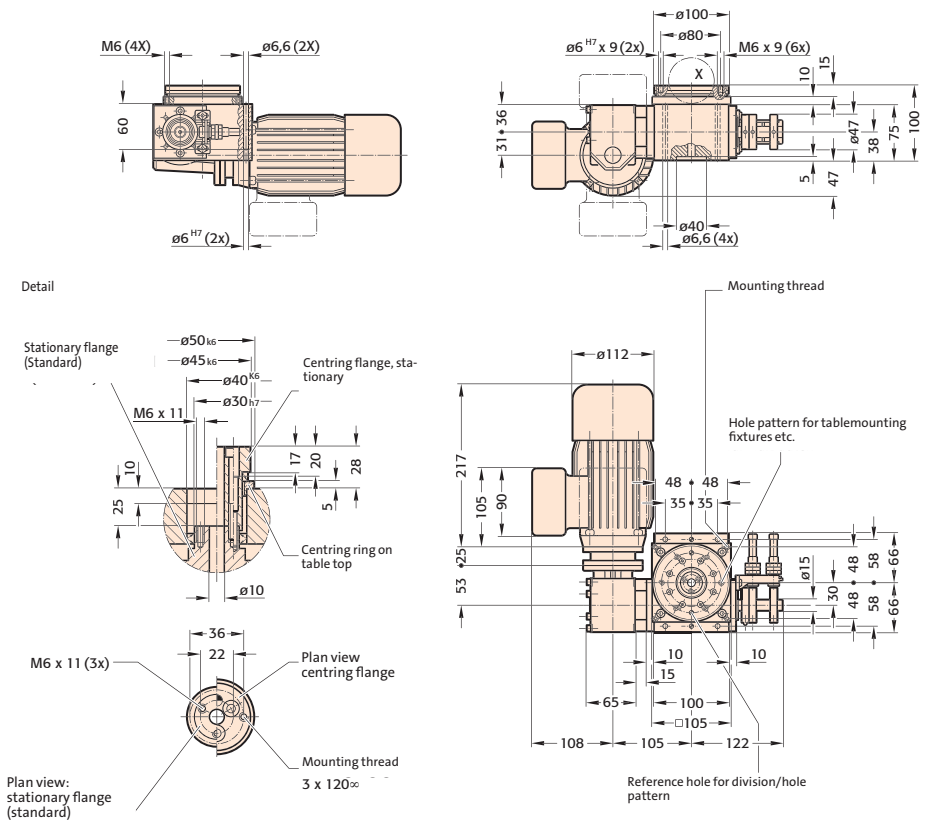
FIBROTOR ER.10.0100.1.152.XX.0.0.3  
Drive arrangement 152



FIBROTOR ER.10.0100.1.152.XX.0.0.3  
Drive arrangement 152

## Installed dimensions FIBROTOR® ER.10

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



## Technical data FIBROTOR® ER.10

## Encoding

ER.10 . 0 1 0 0 . 1 . . . . . 0 . . . .

<b>Table top dimensions</b>	Standard dimensions	Ø 100 mm	.0100	②
<b>Drive motor</b>	Standard braking motor		.1	③
<b>Drive arrangement</b>	See planning documents under <a href="http://www.fibrotor.de/downloads">www.fibrotor.de/downloads</a>		.XXX	④
<b>Divisions 2, 3, 4, 5, 6, 8, 10, 12, 16, 20, 24</b>			.XX	⑤
<b>Additional modules</b>	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
<b>Precisions</b>	Division 2 – 12 Division 16 – 24	± 60" ± 70"		
<b>In arc length (on Ø 100 mm)</b>	Division 2 – 12 Division 16 – 24	± 0,015 mm ± 0,017 mm		
<b>Axial runout</b>		0,02 mm		
<b>Concentricity of the centre hole</b>		0,02 mm		
<b>Plane parallelism</b>		0,04 mm		
<b>Direction of rotation</b>	Any, limit switch set for cw rotation			
<b>Indexing frequency</b>		40 c/min		
<b>Indexing- dwell angle</b>	Division 2 Division 3 – 5 Division 6 – 12 Division 16 – 24	300° / 60° 300° / 60° 300° / 60° 135° / 45°		
<b>Voltage</b>	Motor and brake	400 - 460 VAC, 50/60 Hz		
<b>Motor output</b>	Depending on indexing time and mass moment of inertia	0,09 – 0,18 kW		
<b>Centre hole</b>		Ø 10 mm		
<b>Working position</b>	Any, standard: Horizontal table top, (please specify other mounting positions on ordering)			
<b>Weight</b>		ca. 10 kg		

## Indexing times FIBROTOR® ER.10

Divisions

2	t <sub>i</sub> in s	2,41	2,01	1,81	1,53	1,20	1,00	0,80			
	J in kgm <sup>2</sup>	5,22	3,62	2,93	2,09	1,30	0,90	0,58			
3	t <sub>i</sub> in s	2,19	1,82	1,64	1,39	1,09	0,91	0,73	0,55		
	J in kgm <sup>2</sup>	6,86	4,86	3,94	2,81	1,75	1,21	0,78	0,44		
4	t <sub>i</sub> in s	2,19	1,82	1,64	1,39	1,09	0,91	0,73	0,55		
	J in kgm <sup>2</sup>	9,47	6,72	5,56	3,96	2,47	1,71	1,10	0,62		
5	t <sub>i</sub> in s	2,19	1,82	1,64	1,39	1,09	0,91	0,73	0,55		
	J in kgm <sup>2</sup>	12,38	9,07	7,35	5,24	3,26	2,27	1,45	0,81		
6	t <sub>i</sub> in s	2,19	1,82	1,64	1,39	1,09	0,91	0,73	0,55	0,44	
	J in kgm <sup>2</sup>	15,54	11,03	9,23	6,58	4,14	2,91	1,86	1,05	0,66	
8	t <sub>i</sub> in s	2,19	1,82	1,64	1,39	1,09	0,91	0,73	0,55	0,44	0,36
	J in kgm <sup>2</sup>	21,20	14,72	12,19	8,69	5,59	3,92	2,54	1,43	0,89	0,62
10	t <sub>i</sub> in s	2,19	1,82	1,64	1,39	1,09	0,91	0,73	0,55	0,44	0,36
	J in kgm <sup>2</sup>	21,49	14,92	12,09	9,10	5,67	3,94	2,52	1,42	0,91	0,63
12	t <sub>i</sub> in s	2,19	1,82	1,64	1,39	1,09	0,91	0,73	0,55	0,44	0,36
	J in kgm <sup>2</sup>	23,64	16,82	13,95	10,64	6,85	4,75	3,04	1,71	1,09	0,76
16	t <sub>i</sub> in s	0,99	0,82	0,74	0,62	0,49	0,41	0,33	0,25		
	J in kgm <sup>2</sup>	7,08	5,03	4,21	3,17	1,98	1,37	0,88	0,49		
20	t <sub>i</sub> in s	0,99	0,82	0,74	0,62	0,49	0,41	0,33	0,25		
	J in kgm <sup>2</sup>	7,99	5,68	4,76	3,58	2,23	1,55	0,99	0,56		
24	t <sub>i</sub> in s	0,99	0,82	0,74	0,62	0,49	0,41	0,33	0,25		
	J in kgm <sup>2</sup>	9,86	7,01	5,87	4,42	2,75	1,91	1,22	0,69		

## Load data FIBROTOR® ER.10

Perm. transport load				
Horizontal table top	kg	100	①+②	
Vertical table top	kg	50		
Table top, upside-down	kg	50		
Perm. add-on diameter				
Horizontal	mm	520	③	
Vertical	mm	520		
Upside-down	mm	520		
Perm. axial loading on the table top				
Horizontal	N	4000	④+⑤	
Vertical	N	1500		
Upside-down	N	1500		
Perm. radial loading on table top				
Horizontal	N	1000	⑥	
Vertical	N	1000		
Upside down	N	1000		
Perm. tilting moment on positioned table top				
Horizontal	Nm	350	⑦+⑧	
Vertical	Nm	200		
Upside-down	Nm	150		
Perm. tilting moment on rotating table top				
Horizontal	Nm	100	⑦+⑧	
Vertical	Nm	100		
Upside-down	Nm	50		
Perm. tilting moment on positioned table top				
Horizontal	Nm	25	⑨	
Vertical	Nm	25		
Upside-down	Nm	25		

