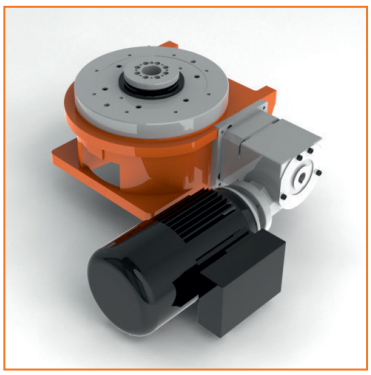
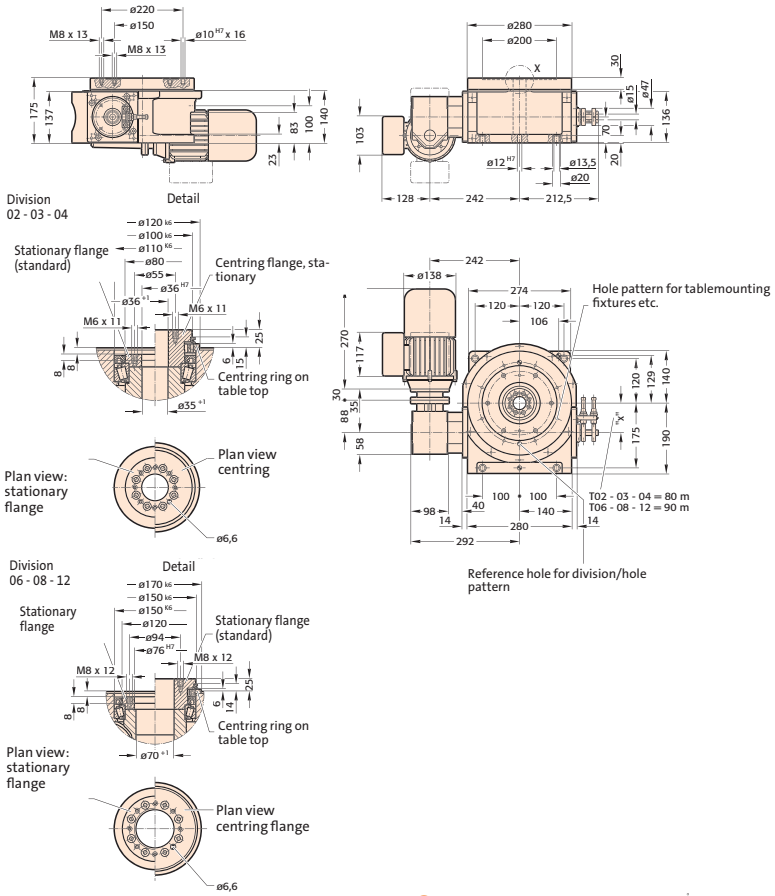
FIBROTOR ER.13.0280.1.152.XX.0.0.0
Drive arrangement 152



FIBROTOR ER.13.0280.1.152.XX.0.0.0
Drive arrangement 152

Installed dimensions FIBROTOR® ER.13

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



Technical data FIBROTOR® ER.13

Encoding

	②	③	④	⑤	⑥	⑦	⑧
ER.13 .	0 2 8 0 .	1 .		.	0 .		.

Table top dimensions	Standard dimensions	Ø 280 mm	.0280	②
Drive motor	Standard braking motor		.1	③
Drive arrangement	See planning documents under www.fibrotor.de/downloads		.XXX	④
Divisions 2, 3, 4, 6, 8, 12			.XX	⑤
Additional modules	Without additional modules		.0	⑥
	Vertical version Vertical version with ground plate		.3 .4	⑦
	Cenring ring Centring flange Centring ring and centring flange		.1 .2 .3	⑧
Precisions		± 30"		
In arc length (on Ø 280 mm)		± 0,02 mm		
Axial runout		0,02 mm		
Concentricity of the centre hole		0,02 mm		
Plane parallelism		0,04 mm		
Direction of ratation	Any, limit switch set for cw rotation			
Indexing frequency		40 c/min		
Voltage	Motor and brake	400 - 460 VAC, 50/60 Hz		
Motor output	Depending on indexing time and mass moment of inertia	0,25 – 0,55 kW		
Centre hole	Teilung 3 – 5 Teilung 6 – 12	Ø 35 mm Ø 70 mm		
Working position	Any, standard: Horizontal table top, (please specify other mounting positions on ordering)			
Weight		ca. 70 kg		

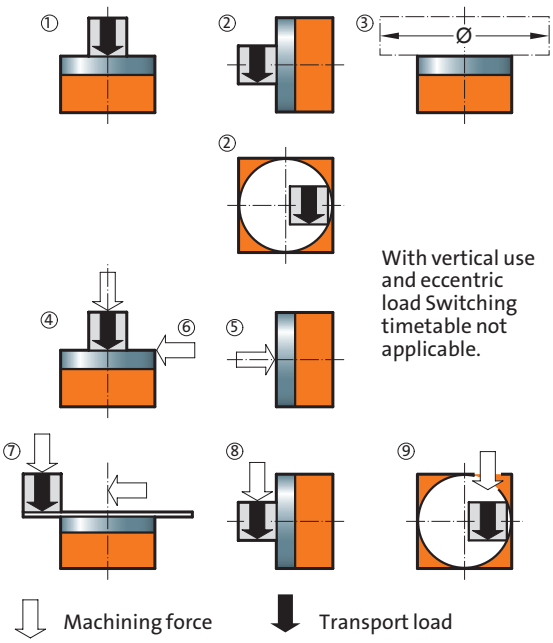
Indexing times FIBROTOR® ER.13

Divisions

2	t_s in s	3,36	2,81	2,14	1,81	1,38	1,06	0,90				
	J in kgm²	75,73	54,10	33,28	23,21	13,36	7,87	5,65				
3	t_s in s	3,06	2,56	1,94	1,64	1,50	1,25	0,96	0,82			
	J in kgm²	101	74,30	44,31	31,24	26,01	18,00	10,63	7,66			
4	t_s in s	3,06	2,56	1,94	1,64	1,50	1,25	0,96	0,82	0,68	0,48	
	J in kgm²	145	103	61,30	44,63	37,17	25,75	15,25	11,01	7,45	3,66	
5	t_s in s	3,06	2,56	1,94	1,64	1,50	1,25	0,96	0,82	0,68	0,48	
	J in kgm²	191	137	81,07	59,05	49,19	34,10	20,21	14,61	9,91	4,90	
6	t_s in s	2,75	2,30	1,75	1,48	1,35	1,13	0,87	0,74	0,61	0,43	0,39
	J in kgm²	286	204	120	88,12	73,42	50,93	30,23	21,88	14,87	7,41	5,94
8	t_s in s	2,75	2,30	1,75	1,48	1,35	1,13	0,87	0,74	0,61	0,43	0,39
	J in kgm²	373	267	159	115	100	69,54	41,30	29,92	20,35	10,18	8,00
10	t_s in s	2,75	2,30	1,75	1,48	1,35	1,13	0,87	0,74	0,61	0,43	0,39
	J in kgm²	472	338	202	146	127	88,15	52,38	37,95	25,84	12,94	10,19
12	t_s in s	2,75	2,30	1,75	1,48	1,35	1,13	0,87	0,74	0,61	0,43	0,39
	J in kgm²	570	408,	244	176	153	106	63,29	45,87	31,24	15,67	12,34
16	t_s in s	1,38	1,15	0,88	0,74	0,68	0,56	0,43	0,37	0,31		
	J in kgm²	160	115	68,82	51,81	44,53	30,86	18,28	13,21	8,95		
20	t_s in s	1,38	1,15	0,88	0,74	0,68	0,56	0,43	0,37	0,31		
	J in kgm²	227	162	97,23	73,21	62,93	43,64	25,89	18,73	12,72		
24	t_s in s	1,38	1,15	0,88	0,74	0,68	0,56	0,43	0,37	0,31		
	J in kgm²	280	200	120	90,42	77,73	53,92	32,00	23,17	15,75		

Load data FIBROTOR® ER.13

Perm. transport load Horizantal table top Vertical table top Table top, upside-down	 kg kg kg	 1500 400 400	①+②
Perm. add-ondiameter Horizontal Vertical Upside-down	 mm mm mm	 1400 1400 1400	③
Perm. axial loading on the table top Horizontal Vertical Upside-down	 N N N	 16000 6000 6000	④
Perm. radial loading on table top Horizontal Vertical Upside down	 N N N	 10000 10000 10000	⑥
Perm. tilting moment on positioned table top Horizontal Vertical Upside-down	 Nm Nm Nm	 3000 1500 800	⑦+⑧
Perm. tilting moment on rotating table top Horizontal Vertical Upside-down	 Nm Nm Nm	 1000 800 400	⑦+⑧
Perm. tilting moment on positioned table top Horizontal Vertical Upside-down	 Nm Nm Nm	 600 600 600	⑨



With vertical use and eccentric load Switching timetable not applicable.

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