

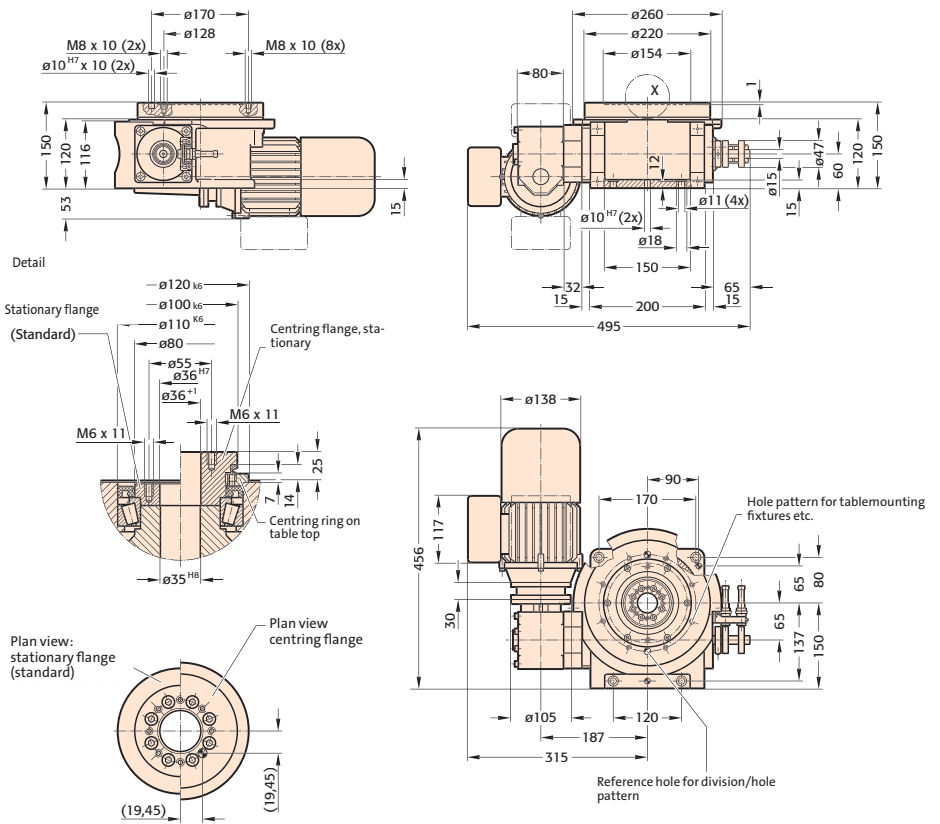
FIBROTOR ER.12.0220.1.152.XX.0.0.0
Drive arrangement 152



FIBROTOR ER.12.0220.1.152.XX.0.0.0
Drive arrangement 152

Installed dimensions FIBROTOR® ER.12

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



Technical data FIBROTOR® ER.12

Encoding

ER.12 . 0 2 2 0 . 1 0

Table top dimensions	Standard dimensions	Ø 220 mm	.0220	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		.3	⑦
	Vertical version with ground plate		.4	⑦
	Centring ring		.1	⑧
	Centring flange		.2	
	Centring ring and centring flange		.3	
Precisions		± 35"		
In arc length (on Ø 160 mm)		± 0,019 mm		
Axial runout		0,02 mm		
Concentricity of the centre hole		0,02 mm		
Plane parallelism		0,04 mm		
Direction of rotation	Any, limit switch set for cw rotation			
Indexing frequency		40 c/min		
Voltage	Motor and brake	400 - 460 V 3 AC, 50/60 Hz		
Motor output	Depending on indexing time and mass moment of inertia	0,18 - 0,37 kW		
Centre hole	Division 3 - 5 Division 6 - 12	Ø 35 mm Ø 35 mm		
Working position	Any, standard: Horizontal table top, (please specify other mounting positions on ordering)			
Weight		ca. 30 kg		

Indexing times FIBROTOR® ER.12

Divisions

2	t _i in s	3,06	2,44	1,83	1,57	1,18	0,98						
	J in kgm ²	44,01	28,77	16,51	12,37	6,93	4,79						
3	t _i in s	2,78	2,22	1,67	1,43	1,07	0,89	0,71	0,54				
	J in kgm ²	59,13	39,50	22,43	16,63	9,32	6,45	4,19	2,33				
4	t _i in s	2,78	2,22	1,67	1,43	1,07	0,89	0,71	0,54				
	J in kgm ²	84,34	56,35	32,00	23,74	13,32	9,23	6,01	3,35				
5	t _i in s	2,78	2,22	1,67	1,43	1,07	0,89	0,71	0,54				
	J in kgm ²	129	86,33	49,05	36,39	20,44	14,17	9,24	5,16				
6	t _i in s	2,50	2,00	1,50	1,29	0,96	0,80	0,64	0,48	0,39			
	J in kgm ²	128	84,07	48,31	36,25	20,58	14,42	9,20	5,15	3,27			
8	t _i in s	2,50	2,00	1,50	1,29	0,96	0,80	0,64	0,48	0,39			
	J in kgm ²	175	114	65,93	49,47	28,09	19,69	12,58	7,04	4,48			
10	t _i in s	2,50	2,00	1,50	1,29	0,96	0,80	0,64	0,48	0,39			
	J in kgm ²	222,08	145	83,54	62,69	35,61	24,97	15,95	8,94	5,70			
12	t _i in s	2,50	2,00	1,50	1,29	0,96	0,80	0,64	0,48	0,39			
	J in kgm ²	268	175	100	75,71	43,01	30,16	19,28	10,81	6,90			
16	t _i in s	1,25	1,00	0,75	0,64	0,48	0,40	0,32	0,24	0,19	0,63	0,50	0,38
	J in kgm ²	73,83	48,34	28,10	21,77	12,61	8,73	5,56	3,10	1,96	21,23	13,56	7,60
20	t _i in s	1,25	1,00	0,75	0,64	0,48	0,40	0,32	0,24	0,19	0,64	0,48	0,40
	J in kgm ²	104	68,25	39,69	30,76	17,82	12,35	7,88	4,40	2,79	31,74	17,82	12,35
24	t _i in s	1,25	1,00	0,75	0,64	0,48	0,40	0,32	0,24	0,19	0,63	0,50	0,38
	J in kgm ²	128	84,26	49,00	37,99	22,01	15,27	9,74	5,45	3,46	37,04	23,68	13,29

Belastungsdaten FIBROTOR® ER.12

Perm. transport load				
Horizontal table top	kg	800	①	
Vertical table top	kg	300	②	
Table top, upside-down	kg	300		
Perm. add-on diameter				
Horizontal	mm	1000	③	
Vertical	mm	1000		
Upside-down	mm	1000		
Perm. axial loading on the table top				
Horizontal	N	12000		
Vertical	N	5000	④+⑤	
Upside-down	N	5000		
Perm. radial loading on table top				
Horizontal	N	8000	⑥	
Vertical	N	8000		
Upside down	N	8000		
Perm. tilting moment on positioned table top				
Horizontal	Nm	2000	⑦+⑧	
Vertical	Nm	1500		
Upside-down	Nm	600		
Perm. tilting moment on rotating table top				
Horizontal	Nm	600	⑦+⑧	
Vertical	Nm	600		
Upside-down	Nm	300		
Perm. tilting moment on positioned table top				
Horizontal	Nm	400	⑨	
Vertical	Nm	400		
Upside-down	Nm	400		

