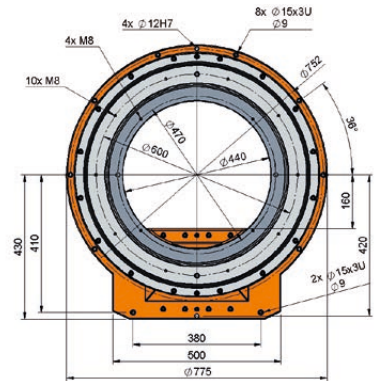
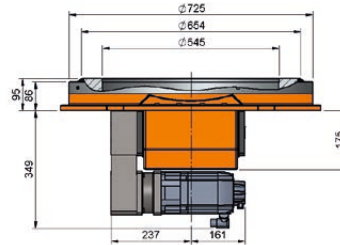


FIBROTOR® RT.NC.0750

DIMENSIONS



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

ENCODING

RT.NC.0750 · · ·

Table top dimensions

Standard dimensions Ø mm 654

2 Drive arrangement

See planning documents under www.fibrotor.de/downloads XXX

1 Drive motor

Standard brake motor	1
AC servomotor	7
Special version	9
Without motor	0

3 Division

NC – in any position 00

TECHNICAL DATA

Direction of rotation		cw or ccw rotation
Reduction ratio worm/roller gearing		i = 20
RPM at table top	1/min	n _{max} = 22
Centre hole flattened	mm	Ø 440
Working position		Standard: horizontal table top
Weight	kg	approx. 230

ACCURACIES

Indexing accuracy in arc seconds (increased indexing accuracy on request)			Indexing accuracy in arc length on Ø 654 mm		
Indirect measuring system		± 30	Indirect measuring system	mm	± 0.048
Measuring system at motor		± 40	Measuring system at motor	mm	± 0.063
Axial runout of table top on Ø 654 mm	mm	0.05	Plane parallelism of the table top to base of the housing on Ø 654 mm		
Concentricity of the centre hole on Ø 500 mm	mm	0,04	mm	0.05	

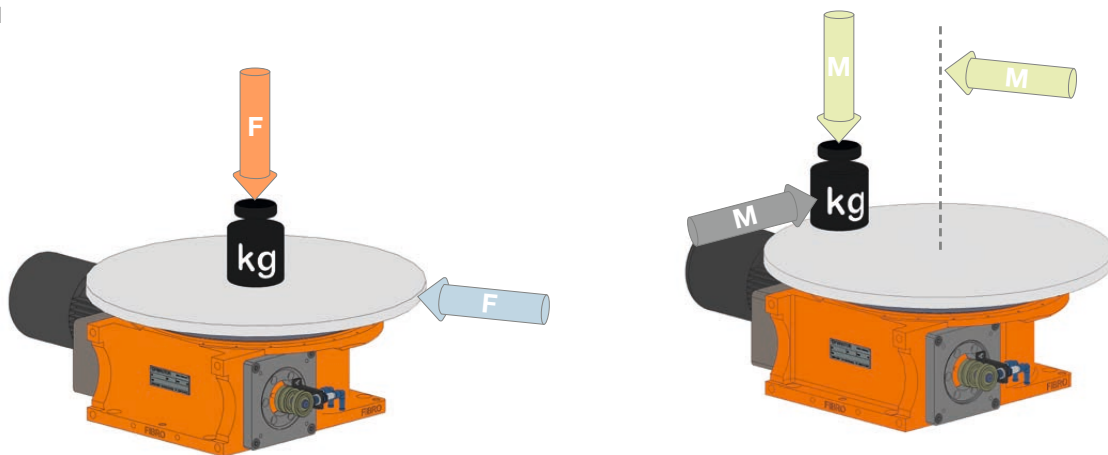
INDEXING TIMES







Mass moment of inertia J	kgm ²	10	50	100	250	500	800
Max. perm. table top speed	1/min	22	22	22	18.5	15	9.8
Acceleration time t _a	s	0.1	0.15	0.2	0.4	0.65	0.65
Overall gear ratio reduction i		160	160	160	160	200	303.4
Motor speed n	1/min	3,520	3,520	3,520	2,960	3,000	2,974
Motor torque required	Nm	15.0	15.0	16.0	12.5	9.2	6.5
Swivel time t _s for 360°	s	2.93	2.98	3.03	3.74	4.75	6.87
Swivel time t _s for 180°	s	1.56	1.61	1.66	2.12	2.75	3.81
Swivel time t _s for 120°	s	1.11	1.16	1.21	1.58	2.08	2.79
Swivel time t _s for 90°	s	0.88	0.93	0.98	1.31	1.75	2.28
Swivel time t _s for 60°	s	0.65	0.70	0.75	1.04	1.42	1.77
Swivel time t _s for 45°	s	0.54	0.59	0.64	0.91	1.25	1.52
Swivel time t _s for 30°	s	0.43	0.48	0.53	0.77	1.08	1.26
Swivel time t _s for 20°	s	0.35	0.40	0.45	0.68	0.97	1.09
Swivel time t _s for 10°	s	0.28	0.33	0.38	0.59	0.86	0.92
Swivel time t _s for 5°	s	0.24	0.29	0.34	0.55	0.81	0.84

LOAD DATA TABLE TOP

PERMITTED ADD-ON-Ø: 3,000 MM

Horizontal



		Horizontal
 Perm. transport load	kg	800
 Perm. axial loading	N	5,000
 Perm. radial loading	N	8,000
 Perm. tilting moment on positioned table top	Nm	2,250
 Perm. tilting moment on rotating table top	Nm	750
 Perm. tangential moment on positioned table top	Nm	2,000