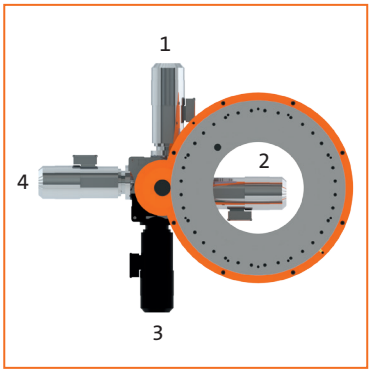
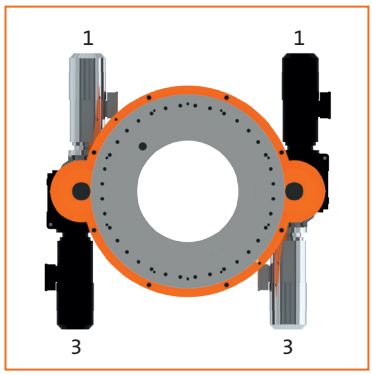


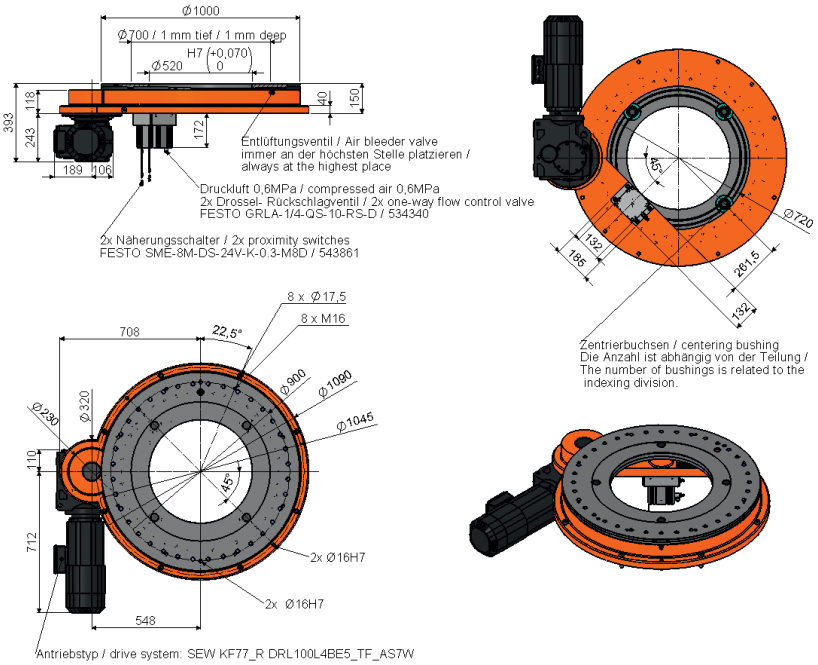
FIBROMAT AT.1000
Drive arrangement 10, 20, **30**, 40



FIBROMAT AT.1000
Drive arrangement 11, 13, **31**, 33

Dimensions of FIBROMAT® AT.1000

(Drive arrangement 180° with one drive; for other drive arrangements, diagrams or CAD data are available)



Technical data for FIBROMAT® AT.1000

Coding AT.1000 · ② · ③ · ④ ⑤ ⑥

Table top dimension	Ø 1,000 mm			
Drive motor	1 drive without motor 1 drive with motor 1 drive with motor 1 drive with motor 2 drives without motor 2 drives with motor 2 drives with motor 2 drives with motor	Gearbox prepared for motor according to customer SEW asynchronous servo gear motor KF77/R DRL 100L4BE5/TF/AS7W/Z SIEMENS Motor 1FK7103-5AF71-1EH0 Special motor Gearboxes prepared for motors according to customer SEW asynchronous servo gear motor KF77/R DRL 100L4BE5/TF/AS7W/Z SIEMENS Motor 1FK7103-5AF71-1EH0 Special motor	.10 .11 .12 .19 .20 .21 .22 .29	②
Drive arrangement	See pictures above Special design		.XX .99	③
Divisions Any, maximum 22	Without indexing unit With indexing unit for division XX, symmetrical arrangement Special division		.00 .XX .99	④
Centre hole	Ø 520 mm Extended by 200 mm (not combinable with standard indexing unit) Special design		.0 .1 .9	⑤
Measuring system	Measuring system on motor With additional direct measuring system (mounted in standard centre hole) With measuring system in special design		.0 .1 .9	⑥
Direction of rotation	Any			
Mounting position	Any, standard table top: horizontal (Please state other mounting positions when ordering)			
Indexing and repeat accuracy **No indexing, one drive** **No indexing, two drives** **With indexing, one drive** **With two drives, with measuring system**	Indexing accuracy ± 290” ± 50” ± 20” ± 10”	Repeat accuracy ± 145” ± 25” ± 10” ± 5”		

Technical data for FIBROMAT® AT.1000

Maximum axial runout of the table top	0.05 mm	
Maximum runout of the centre hole	0.05 mm	
Weight	FIBROMAT AT.1000 Gear motor Indexing unit	470 kg 95 kg 25 kg

Indexing times for FIBROMAT® AT.1000

AT.1000 with one drive									
45°	t_s in s	2.8	2.5	2.2	2.0	1.7	1.4	1.1	0.9
	J in kgm²	16,000	12,000	8,000	6,000	4,000	2,000	1,000	500
90°	t_s in s	4.0	3.6	3.1	2.9	2.6	2.0	1.6	1.5
	J in kgm²	16,000	12,000	8,000	6,000	4,000	2,000	1,000	500
180°	t_s in s	5.9	5.5	5.0	4.8	3.8	3.1	2.8	2.7
	J in kgm²	16,000	12,000	8,000	6,000	4,000	2,000	1,000	500

AT.1000 with two drives									
45°	t_s in s	1.9	1.7	1.5	1.4	1.2	0.9	0.8	0.7
	J in kgm²	16,000	12,000	8,000	6,000	4,000	2,000	1,000	500
90°	t_s in s	2.9	2.7	2.5	2.4	1.8	1.5	1.4	1.3
	J in kgm²	16,000	12,000	8,000	6,000	4,000	2,000	1,000	500
180°	t_s in s	4.8	4.6	4.4	4.3	3.0	2.7	2.5	2.5
	J in kgm²	16,000	12,000	8,000	6,000	4,000	2,000	1,000	500

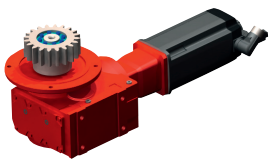
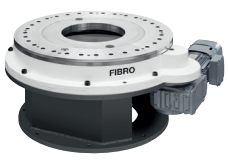
The specified switching times do not include: Regulation time of 0.1 sec, indexing time of 0.3 sec.
Further angels and indexing times can be calculated for you.

Load data for FIBROMAT® AT.1000

Perm. transport load on table top horizontal	12,000 kg
Perm. superstructure diameter	6,000 mm
Perm. force vertically on rotating table top	155,000 N
Perm. radial force on the rotating table top	64,000 N
Perm. tilting moment on rotating table top	50,000 Nm
Perm. tangential moment on table top (dynamic)	9,400 Nm

We would be pleased to provide a calculation of combined load data for your specific application.

Additional options for FIBROMAT® AT.1000

Drive unit **Asynchronous motor** **(standard)**			**Indexing unit**		
Drive unit **Synchronous servomotor**			**Machine stands** Height: 457 mm		
Drive inverter			**Additional table top**