

Tilting turntables FTT 12000- 35000 (MO)

Turntables (motorized tilting) from 12000 up to 35000 kg

Standard equipment
Stepless tilting range +/- 135°
Stepless adjusting of rotation speed
Table rotation by AC-motor controlled by inverter unit, through worm reduction gears and spur gears
Table supported on large diameter crossroll bearing
Control unit with frequency inverter
Tilting by geared motor fitted with fail-save electromagnetic brake
Face plate with concentric circular markings and slots for rapid centering and clamping
Control unit with main switch

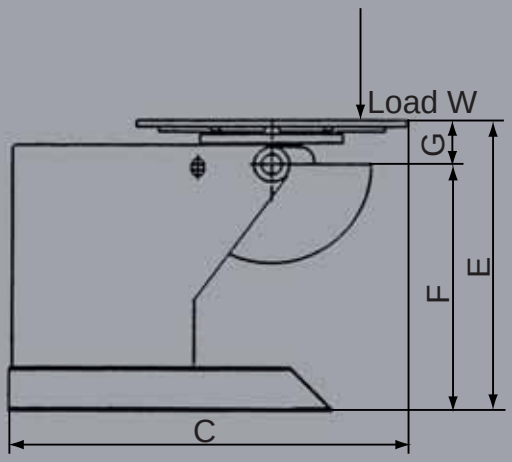
Remote control with cable
Functions:

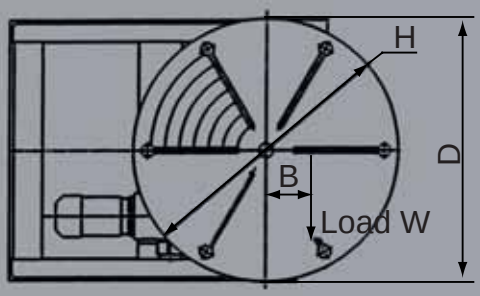
- Rotation left-stop-right
- Tilting up-down
- Potentiometer for rotation speed
- Emergency-stop

Recommended areas of use
Universal use for all welding processes and positioning of workpieces

Optionen und Zubehör
I-kit limit switch 360° and actuating cam for rotation unit
I-kit encoder
Control unit FCU-20.O
Control unit FCU-50.O
Foot switch FRC-1 (start-stop) with cable 3 m
Foot switch FRC-2 (start-stop-speed) with cable 3m
Foot switch FRC-3 (start-stop-direction) with cable 3m
Foot switch FRC-5 (start-stop-direction-speed)
Chucks FGC, FSG, FMC
Mounting sets for chucks

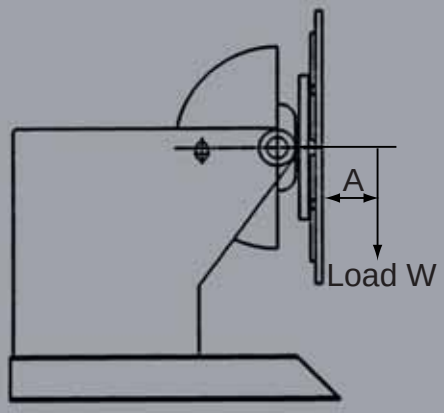
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Rotation torque (R) is a calculation of load (W) x eccentricity (B).
Rotation torque (R) = W x g x B = kg meters
g=10 m/s2

To calculate the tilting torque (T) it is neccessary to use the full distance of the table pivot by adding the centre of gravity (G) with the table pivot distance (A).
Tilt torque (T) = W x g x (A+G)= kg meters



Technical data	FTT 12000/MO	FTT 15000/MO	FTT 21000/MO	FTT 28000/MO	FTT 35000/MO
Max. load capacity horizontal (W)	12000 kg	15000 kg	21000 kg	28000 kg	35000 kg
Max. load capacity vertical (W)	8000 kg	10000 kg	15000 kg	20000 kg	25000 kg
Drive rotation	AC motor	AC motor	AC motor	AC motor	AC motor
Rotation speed	0,05-1,0 rpm	0,33-0,66 rpm	0,33-0,66 rpm	0,33-0,66 rpm	0,33-0,66 rpm
Max. tilting torque (T)	40800 Nm	68000 Nm	120000 Nm	160000 Nm	337500 Nm
Max. rotation torque (R)	12000 Nm	15000 Nm	22500 Nm	30000 Nm	25000 Nm
Tilting motorized	0-135°	0-135°	0-135°	0-135°	0-135°
Tilting speed for 135°	64 seconds	110 seconds	110 seconds	150 seconds	220 seconds
T-slots for bolts	M24	M24	M24	M24	M24
Dimensions					
• A (rated center of gravity)	150 mm	150 mm	150 mm	150 mm	100 mm
• B (rated eccentricity)	300 mm	400 mm	500 mm	500 mm	1000 mm
• C	2250 mm	2650 mm	3200 mm	3300 mm	3800 mm
• D	1600 mm	2100 mm	2200 mm	2400 mm	2940 mm
• E	1360 mm	1800 mm	1800 mm	1800 mm	2400 mm
• F	1150 mm	1520 mm	1500 mm	1500 mm	2050 mm
• G	210 mm	280 mm	300 mm	300 mm	350 mm
• H	1525 mm	1830 mm	2200 mm	2400 mm	2940 mm
Remote control unit with cable	8 m	8 m	8 m	8 m	8 m
Mains cable with plug	included	included	included	included	included
Power consumption rotation drive	3,0 kW	2,2 kW	3,0 kW	4,0 kW	3,0 kW
Power consumption tilting drive	3,0 kW	4,0 kW	5,5 kW	5,5 kW	7,5 kW
Mains voltage/ frequency	400 / 3 / 50	400 / 3 / 50	400 / 3 / 50	400 / 3 / 50	400 / 3 / 50
Max. welding current transfer	600 A	600 A	600 A	600 A	600 A
Net weight turntable	2550 kg	6500 kg	10000 kg	12000 kg	17600 kg

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