

# Tilting turntables FTT 50000-70000 (MO)

## Turntables (motorized tilting) from 50000 up to 70000 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 AC geared motor fitted with fail-save electro-magnetic brake
Face plate with concentric circular markings and slots for rapid centering and clamping
Control unit with main switch

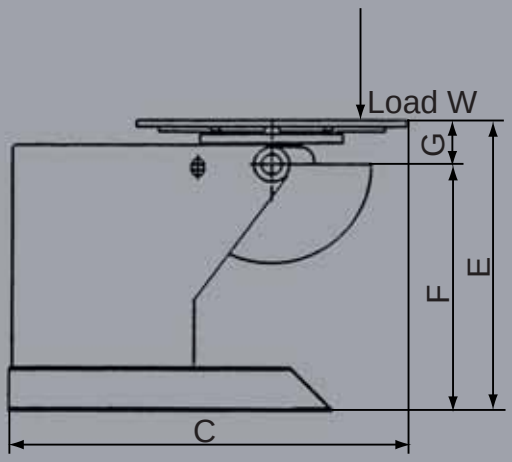
Remote control with cable
Functions:

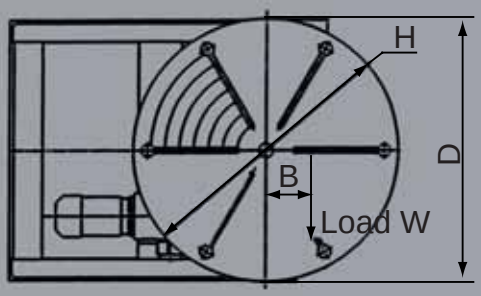
- Rotation left-stop-right
- Tilting up-down
- Potentiometer for rotation speed
- Emergency-stop

**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 3m
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

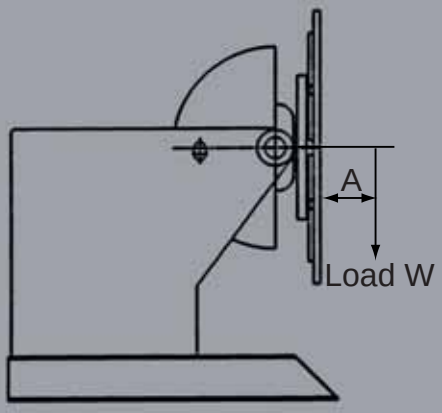
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Rotation torque (R) is a calculation of load (W) x eccentricity (B).
Rotation torque (R) = W x g x B = kg meters
g=10 m/s2

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 50000/MO | FTT 56000/MO | FTT 70000/MO |
|---|---|---|---|
| Max. load capacity horizontal (W) | 50000 kg | 56000 kg | 70000 kg |
| Max. load capacity vertical (W) | 35000 kg | 40000 kg | 50000 kg |
| Drive rotation | AC motor | AC motor | AC motor |
| Rotation speed | 0,033-0,66 rpm | 0,015-0,60 rpm | 0,012-0,25 rpm |
| Max. tilting torque (T) | 495600 Nm | 56800 Nm | 1241500 Nm |
| Max. rotation torque (R) | 42500 Nm | 60000 Nm | 100000 Nm |
| Tilting motorized | 0-135° | 0-135° | 0-135° |
| Tilting speed for 135° | 450 seconds | 450 seconds | 550 seconds |
| T-slots for bolts | M48 | M48 | M48 |
| Dimensions | | | |
| • A (rated center of gravity) | 150 mm | 150 mm | 200 mm |
| • B (rated eccentricity) | 1000 mm | 1000 mm | 2000 mm |
| • C | 3800 mm | 3825 mm | 5505 mm |
| • D | 2940 mm | 3200 mm | 3230 mm |
| • E | 2435 mm | 4190 mm | 2998 mm |
| • F | 2035 mm | 3770 mm | 2515 mm |
| • G | 400 mm | 420 mm | 483 mm |
| • H | 2940 mm | 2940 mm | 2940 mm |
| Remote control unit with cable | 8 m | 8 m | 8 m |
| Mains cable with plug | included | included | included |
| Power consumption rotation drive | 7,5 kW | 7,5 kW | 7,5 kW |
| Power consumption tilting drive | 7,5 kW | 7,5 kW | 10,0 kW |
| Mains voltage/ frequency | 400 / 3 / 50 | 400 / 3 / 50 | 400 / 3 / 50 |
| Max. welding current transfer | 1800 A | 2000 A | 2000 A |
| Net weight turntable | 2300 kg | on request | on request |

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