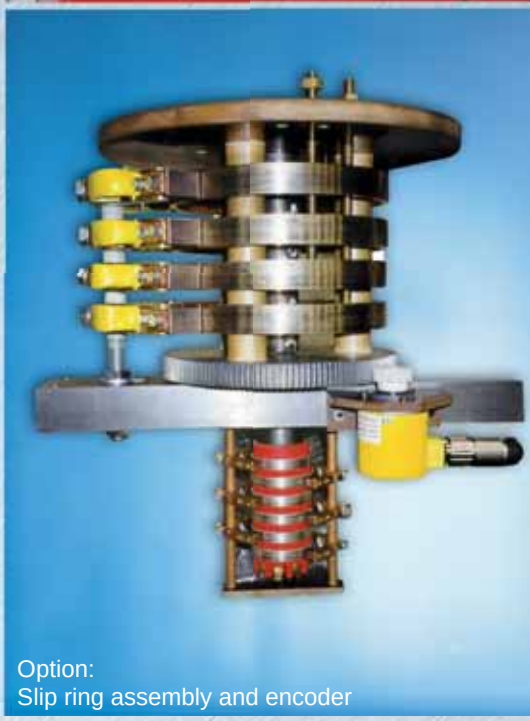




Anti-backlash device



Option:
Slip ring assembly and encoder

Rotilting positioners FRP 1500-4500 C

Turntables for cladding

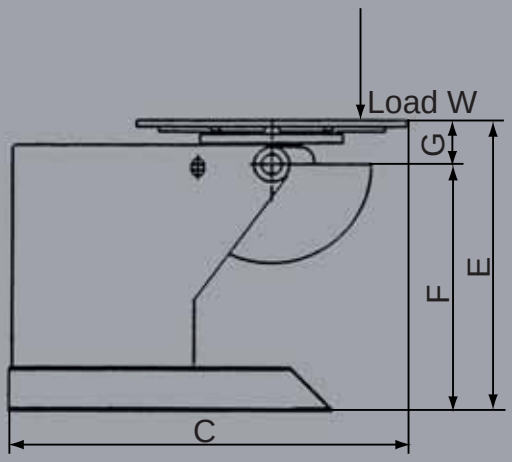
Standard equipment
Fabricated frame made of mild steel plate and channel section material
Table machined from 25 mm steel plate with concentric circular markings spaced at 25 mm and 8 slots to suit M16 (FRP 1000C) or M20 (FRP 3000C/ 5000C) T-bolts for rapid centering and clamping
Version suitable for preheated parts up to 200°C
Anti-backlash device (back-to-back wormboxes) installed
Table flatness to be within 0,25 mm
Welding-current transfer 300 A via carbon brushes
Machine cut precision gearing for smooth rotation of table
AC helical/worm geared motor drive controlled by vector unit
Speed holding accuracy to be +/- 0,1% of base speed (with option: encoder-set)
Tilting by AC geared motor fitted with fail-safe electromagnetic brake
Cam-operated limit switches to prevent overrun and fixed tilting speed

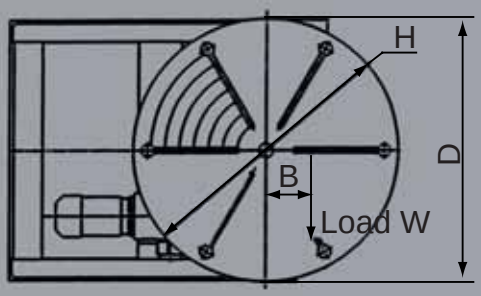
Standard equipment
Control cabinet mounted on frame with push buttons tilt up/tilt down
Remote control unit (forward/stop/reverse/speed pot./emergency-stop) with cable (4,5 m)
Mains cable with plug (10 m)

Recommended areas of use
Universal use for all welding processes and positioning of work-pieces, special use for TIG Hotwire cladding

Accessories and options
I-kit encoder system for rotation drive or tilting motion
Faceplate in ‘Sandwich‘-type (suitable for preheated parts up to 400° C)
I-kit slip ring assembly for heating system
Heating system
System controller FPA 2003/ FPA 9000

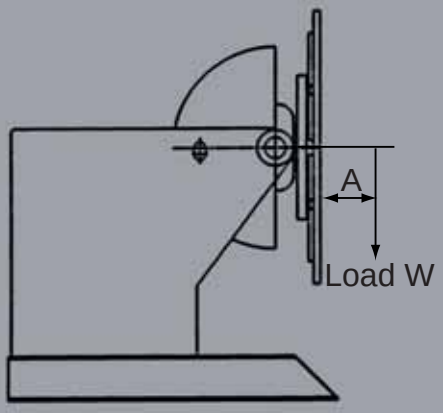
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Rotation torque (R) is a calculation of load (W) x eccentricity (B).
Rotation torque (R) = W x g x B = kg meters
g=10 m/s2

To calculate the tilting torque (T) it is necessary 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 1500 C	FTT 3000 C	FTT 4500 C
Max. load capacity horizontal (W)	1500 kg	3000 kg	4500 kg
Tilting range (motorized)	0-135°	0,135°	0-135°
Max. rotation torque/ tilting torque	1500 Nm/ 3000Nm	3000 Nm/ 6000Nm	4500 Nm/ 13500 Nm
Dimensions			
• A (rated center of gravity)	150 mm	150 mm	150 mm
• B (rated eccentricity)	150 mm	150 mm	150 mm
• C	1350 mm	1810 mm	1700 mm
• D	920 mm	1250 mm	1350 mm
• E	1000 mm	1012 mm	1230 mm
• F	850 mm	962 mm	1080 mm
• G	150 mm	150 mm	150 mm
• H	920 mm	1070 mm	1220 mm
Thickness of faceplate	22 mm	25 mm	25 mm
Table slots-bolt size	M16	M20	M20
Max. welding-current transfer	300 A	300 A	300 A
Rotation speed	0,075-3,0 U/min	0,075-3,0 U/min	0,075-3,0 U/min
Tilting speed	30 sec. for 135°	45 sec. for 135°	40 sec. for 135°
Mains voltage/ frequency	400 / 3 / 50	400 / 3 / 50	400 / 3 / 50
Net weight	580 kg	1220 kg	1400 kg

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