

# ROTILTING POSITIONER FRP 1500C/FPA-7500C/FPA

/ Max. load capacity from 1500-7500 kg  
(3306.9-16534.7 lb)



/ Rotilting positioner are universal applicable for manual and mechanized welding applications as well as for precise positioning of work pieces.

## STANDARD EQUIPMENT

- / Fabricated frame made of mild steel plate and channel section material
- / Faceplate with concentric circular markings
- / Anti-backlash device (back-to-back wormboxes) installed
- / Faceplate flatness +/- 0,25 mm (0.1 in)
- / Version suitable for preheated parts up to 200° C (392°F)
- / Welding-current transfer 600 A via carbon brushes
- / Machine cut precision gearing for smooth rotation of table
- / AC helical/worm geared motor drive controlled by vector unitspeed holding accuracy to be +/- 0,1% of base speed (with option: encoder kit)
- / Tilting by AC geared motor fitted with fail-safe electromagnetic brake
- / Control unit mounted on frame with push buttons tilting up/down
- / Cam-operated limit switches to prevent overrun and fixed tilting speed
- / Remote control with cable (8 m / 315 in)
- / Mains cable 10 m (393.7 in) with plug
- / 4 pc. concrete anchor with M24 nut
- / 4 pc. levelling device (metal plates and screws)

## FUNCTIONS

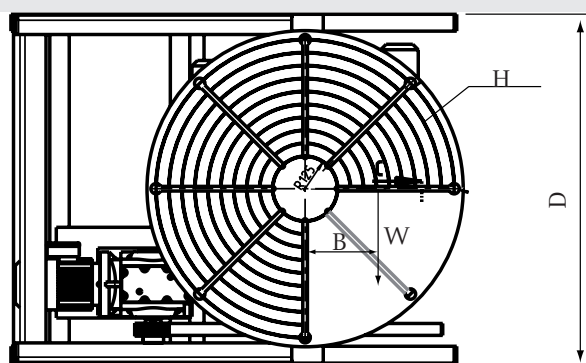
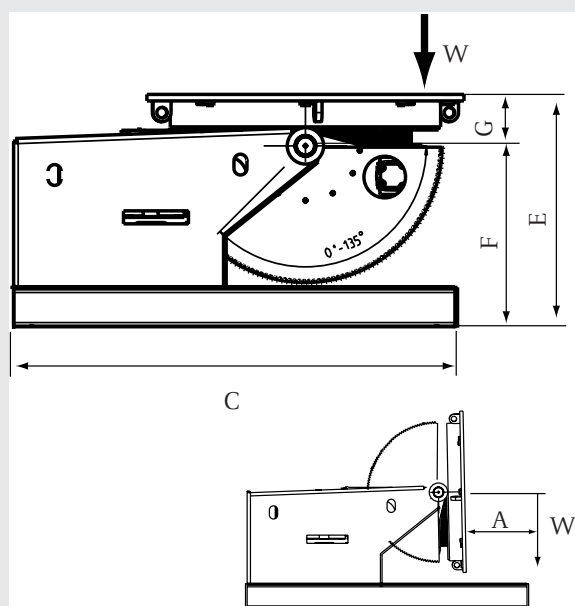
- / Left/stop/right
- / Tilting up/down
- / Rotation speed
- / Emergency-stop

## ACCESSORIES

- / Faceplate in sandwich-design (suitable for preheated parts up to 400°C / 752°F)
- / I-kit slip ring assembly for heating system
- / System controller FPA 2003/FPA 9000
- / Chucks FGC, FSG, FMC
- / Mountingsets for chucks

## TECHNICAL DATA

	FRP 1500C/FPA	FRP 3000C/FPA	FRP 4500C/FPA	FRP 7500C/FPA
Max. load capacity horizontal (W)	1500 kg (3306.9 lb)	3000 kg (6613.9 lb)	4500 kg (9920.8 lb)	7500 kg (16534.7 lb)
Tilting range (motorized)	0-135°	0-135°	0-135°	0-135°
Max. rotation torque/tilting torque	1472 Nm/ 2943 Nm (1085.7 ft lb/ 2170.6 ft lb)	2943 Nm/ 5886 Nm (2170.6 ft lb/ 4341.3 ft lb)	4415 Nm/ 8829 Nm (3256.3 ft lb/ 6511.9 ft lb)	7358 Nm/ 23544 Nm (5427 ft lb/ 17365.2 ft lb)
<b>Dimensions</b>				
A (rated center of gravity)	150 mm (5.9 in)	150 mm (5.9 in)	150 mm (5.9 in)	300 mm (11.8 in)
B (rated eccentricity)	150 mm (5.9 in)	150 mm (5.9 in)	150 mm (5.9 in)	150 mm (5.9 in)
C	1350 mm (53.1 in)	1610 mm (63.4 in)	1700 mm (66.9 in)	2100 mm (82.7 in)
D	920 mm (36.2 in)	1250 mm (49.2 in)	1350 mm (53.1 in)	1600 mm (63 in)
E	1000 mm (39.4 in)	1012 mm (39.8 in)	1230 mm (48.4 in)	1200 mm (47.2 in)
F	850 mm (33.5 in)	862 mm (33.9 in)	1080 mm (42.5 in)	1020 mm (40.2 in)
G	150 mm (5.9 in)	150 mm (5.9 in)	150 mm (5.9 in)	180 mm (7.1 in)
H	920 mm (36.2 in)	1070 mm (42.1 in)	1220 mm (48 in)	1525 mm (60 in)
Thickness of face-plate	22 mm (0.9 in)	25 mm (1 in)	25 mm (1 in)	25 mm (1 in)
Table slots-bolt size	M16	M20	M20	M20
Max. welding-current transfer	600 A	600 A	600 A	600 A
Rotation speed	0,075-3,0 rpm	0,075-3,0 rpm	0,075-3,0 rpm	0,075-3,0 rpm
Tilting speed for 135°	30 sec.	45 sec.	42 sec.	60 sec.
Mains voltage, 50 Hz	3 x 400 V	3 x 400 V	3 x 400 V	3 x 400 V
Net weight	750 kg (1653.5 lb)	1400 kg (3086.5 lb)	1500 kg (3306.9 lb)	2200 kg (4850.2 lb)



/ Battery Charging Systems / Welding Technology / Solar Electronics

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