

Rotation table FRT



Max. load capacity
from 1–25 t (2204.6–55115.6 lb)

1000/H/C/SCP –
25000/H/C/SCP

Horizontal rotation tables are universal applicable for mechanized welding applications as well as for precise positioning of workpieces.

Standard equipment

- Face plate in sandwich design suitable for preheated components up to 400 °C (752 °F)
- Face plate with centering grooves and clamping slots
- Anti-backlash device to minimize the face plate run-out deflection max. 2 mm (0.08 in)
- Table flatness within +/- 0,25 mm (0.01 in)
- Welding-current transfer 600 A via carbon brushes
- Control unit with inverter
- Drive via AC geared motors and gear wheels
- Face plate bearing diameter 675 mm (26.6 in)
- Operation with manual control unit of the automated welding system
- Mains cable 10 m (393.7 in)
- Setting plates and fastening material
- Free-standing control cabinet on console

Functions

- Forward/stop/reverse
- Speed
- Emergency Stop

Options

- I-kit slip ring assembly for pre-heating system
- Chucks FGC, FSG, FMC
- Mounting sets for chucks



Suitable for cladding systems
with HMI-T21 control unit



Welding-current transfer



Optional connection socket for heating system



Anti-backlash device

Technical data

	FRT 1000/H/C/ SCP	FRT 2500/H/C/ SCP	FRT 5000/H/C/ SCP	FRT 10000/H/C/ SCP	FRT 15000/H/C/ SCP	FRT 20000/H/C/ SCP	FRT 25000/H/C/ SCP
Max. load capacity	1000 kg (2204.6 lb)	2500 kg (5511.6 lb)	5000 kg (11023.1 lb)	10000 kg (22046.2 lb)	15000 kg (33069.4 lb)	20000 kg (44092.5 lb)	25000 kg (55115.6 lb)
Max. eccentric loading	500 kg (1102.3 lb)	1000 kg (2204.6 lb)	2500 kg (5511.6 lb)	5000 kg (11023.1 lb)	7500 kg (16534.7 lb)	10000 kg (22046.2 lb)	12500 kg (27557.8 lb)
Dimensions							
A	920 mm (36.2 in)	1220 mm (48 in)	1830 mm (72 in)	1830 mm (72 in)	2350 mm (92.5 in)	2350 mm (92.5 in)	2350 mm (92.5 in)
B	500 mm (19.7 in)	500 mm (19.7 in)	585 mm (23 in)	585 mm (23 in)	585 mm (23 in)	585 mm (23 in)	585 mm (23 in)
C	1500 mm (59.1 in)	1500 mm (59.1 in)	1700 mm (66.9 in)	1625 mm (64 in)	2000 mm (78.7 in)	2000 mm (78.7 in)	2000 mm (78.7 in)
D	1350 mm (53.1 in)	1350 mm (53.1 in)	1700 mm (66.9 in)	1500 mm (59.1 in)	2000 mm (78.7 in)	2000 mm (78.7 in)	2000 mm (78.7 in)
E	1125 mm (44.3 in)	1125 mm (44.3 in)	1271 mm (50 in)	1125 mm (44.3 in)	1450 mm (57.1 in)	1450 mm (57.1 in)	
F	926 mm (36.5 in)	926 mm (36.5 in)	1121 mm (44.1 in)	1026 mm (40.4 in)	1250 mm (49.2 in)	1250 mm (49.2 in)	
G	100 mm (3.9 in)	100 mm (3.9 in)	70 mm (2.8 in)	100 mm (3.9 in)	50 mm (2 in)	50 mm (2 in)	
Number/size of fastening holes	4/23 mm (0.91 in)	4/23 mm (0.91 in)	4/24 mm (0.91 in)	4/24 mm (0.91 in)	4/24 mm (0.91 in)	4/24 mm (0.91 in)	4/24 mm (0.91 in)
Max. welding-current transfer	600 A	600 A	600 A	600 A	600 A	600 A	600 A
Face plate thickness	20 mm (0.8 in)	25 mm (1 in)	25 mm (1 in)	35 mm (1.4 in)	35 mm (1.4 in)	35 mm (1.4 in)	35 mm (1.4 in)
Max. table backlash	2 mm (0.08 in)	2 mm (0.08 in)	2 mm (0.08 in)	2 mm (0.08 in)	2 mm (0.08 in)	2 mm (0.08 in)	2 mm (0.08 in)
Number of slots	8	8	8	8	8	8	8
Slots suitable for bolt size	M20	M20	M20	M20	M20	M20	M20
Rotation speed	0,07–3,0 rpm	0,07–3,0 rpm	0,07–3,0 rpm	0,07–3,0 rpm	0,07–3,0 rpm	0,07–3,0 rpm	0,07–3,0 rpm
Mains voltage, 50 Hz	3 x 400 V	3 x 400 V	3 x 400 V	3 x 400 V	3 x 400 V	3 x 400 V	3 x 400 V
Mains cable	10 m (393.7 in)	10 m (393.7 in)	10 m (393.7 in)	10 m (393.7 in)	10 m (393.7 in)	10 m (393.7 in)	10 m (393.7 in)
Net weight	900 kg (1984.2 lb)	1050 kg (2314.9 lb)	1900 kg (4188.8 lb)	1750 kg (3858.1 lb)	2700 kg (5952 lb)	2700 kg (5952 lb)	3700 kg (8157.1 lb)

