

# Positioners, heavy-duty

## Welding Positioner POS-TW and POS-TS series

### For heavy industries

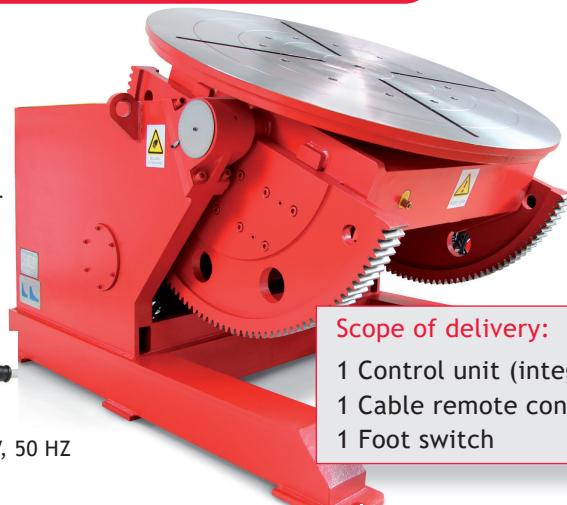
When choosing a turntable, the turning and tilting moment must be considered by all means. The distance between the center of gravity of the workpiece and the faceplate must be considered and the eccentric distance of the center of gravity and the center respectively. Workpieces can be optimally positioned for welding with a turning and tilting table.

### Features

- Robust design.
- Infinitely variable speed control.
- Hand remote control.
- HF-protected.



All listed positioners have an input voltage of: 3P, 400 V, 50 HZ



### Scope of delivery:

- 1 Control unit (integrated)
- 1 Cable remote control
- 1 Foot switch

| Model                     | POS-1 TW                     | POS-1 TS | POS-2 TW          | POS-2 TS | POS-3 TW          | POS-3 TS | POS-4 TW         | POS-4 TS |
|---------------------------|------------------------------|----------|-------------------|----------|-------------------|----------|------------------|----------|
| Max. Load                 | 1 t                          |          | 2 t               |          | 3 t               |          | 4 t              |          |
| Max. rotation torque      | 2000 Nm                      |          | 4000 Nm           |          | 6000 Nm           |          | 8000 Nm          |          |
| Max. tilt torque          | 3000 Nm                      |          | 6000 Nm           |          | 9000 Nm           |          | 12.000 Nm        |          |
| Centre of gravity         | 300 mm                       |          | 300 mm            |          | 300 mm            |          | 300 mm           |          |
| Eccentricity              | 200 mm                       |          | 200 mm            |          | 200 mm            |          | 200 mm           |          |
| Rotation speed TW-Series  | 0,12 – 1,2 u/min             |          | 0,1 – 1,0 u/min   |          | 0,05 – 0,5 u/min  |          | 0,05 – 0,5 u/min |          |
| Rotating speed TS-Series  | 0,05 – 5 u/min (Servo motor) |          |                   |          |                   |          |                  |          |
| Rotating power TS-Series  | 1,3 KW                       |          | 1,8 KW            |          | 2,9 KW            |          | 4,4 KW           |          |
| Tilt speed                | 0,35 u/min                   |          | 0,35 u/min        |          | 0,35 u/min        |          | 0,35 u/min       |          |
| Tilt range(°)             | 0 – 135°                     |          | 0 – 135°          |          | 0 – 130°          |          | 0 – 130°         |          |
| Max turning dia at 90 deg | 1350 mm                      |          | 1630 mm           |          | 1750 mm           |          | 1850 mm          |          |
| Mounting hole circle Ø    | 130 mm - max. 270 mm         |          | 140 mm - max. 360 |          | 125 mm - max. 470 |          |                  |          |
| Table diameter            | 900 mm                       |          | 1100 mm           |          | 1300 mm           |          | 1300 mm          |          |
| Measurement (LxWxH) mm    | 1475x1050x900                |          | 1640x1150x1000    |          | 1800x1350x1050    |          | 1800x1350x1050   |          |
| Welding current           | 500 A                        |          | 500 A             |          | 700 A             |          | 700 A            |          |
| Item no. POS-TW Serie     | 02.30.02.01012               |          | 02.30.02.01020    |          | 02.30.02.01032    |          | 02.30.02.01040   |          |
| Item no. POS-TS Serie     | 02.30.02.02010               |          | 02.30.02.02020    |          | 02.30.02.02030    |          | 02.30.02.02040   |          |

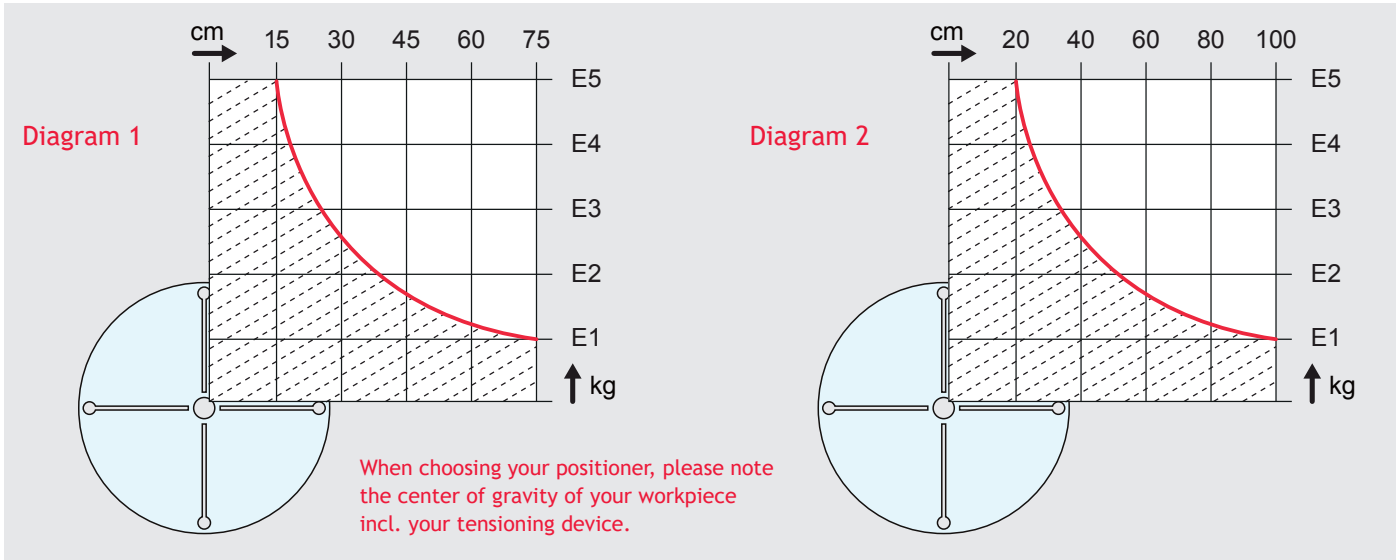
| Model                     | POS-5 TW          | POS-5 TS       | POS-6 TW         | POS-8 TW         | POS-10 TW         |
|---------------------------|-------------------|----------------|------------------|------------------|-------------------|
| Max. Load                 | 5 t               |                | 6 t              | 8 t              | 10 t              |
| Max. rotation torque      | 10.000 Nm         |                | 12.000 Nm        | 16.000 Nm        | 20.000 Nm         |
| Max. tilt torque          | 15.000 Nm         |                | 18.000 Nm        | 32.000 Nm        | 40.000 Nm         |
| Centre of gravity         | 300 mm            |                | 300 mm           | 400 mm           | 400 mm            |
| Eccentricity              | 200 mm            |                | 200 mm           | 200 mm           | 200 mm            |
| Rotating speed            | 0,05 – 0,5 u/min  | 0,05 – 5 u/min | 0,05 – 0,5 u/min | 0,02 – 0,2 u/min | 0,02 – 0,2 u/min  |
| Rotating speed TS-Series  | 5,5 KW            |                |                  |                  |                   |
| Tilt speed                | 0,2 u/min         |                | 0,2 u/min        | 0,2 u/min        | 0,2 u/min         |
| Tilt range(°)             | 0 – 130°          |                | 0 – 130°         | 0 – 130°         | 0 – 130°          |
| Max turning dia at 90 deg | 2000 mm           |                | 2180 mm          | 2300 mm          | 2500 mm           |
| Mounting hole circle Ø    | 195 mm - max. 500 |                |                  | 240 mm- max. 590 | 240 mm - max. 690 |
| Table diameter            | 1500 mm           |                | 1600 mm          | 1800 mm          | 2000 mm           |
| Measurement (LxWxH) mm    | 2200x1600x1200    |                | 2200x1600x1300   | 2500x1800x1425   | 2720x2000x1600    |
| Welding current           | 700 A             |                | 700 A            | 1000 A           | 1000 A            |
| Item no. POS-TW Serie     | 02.30.02.01050    |                | 02.30.02.01060   | 02.30.02.01070   | 02.30.02.01080    |
| Item no. POS-TS Serie     | 02.30.02.02050    |                |                  |                  |                   |

All prices excl. VAT. Subject to misprints, errors and technical changes! 04.02.2025

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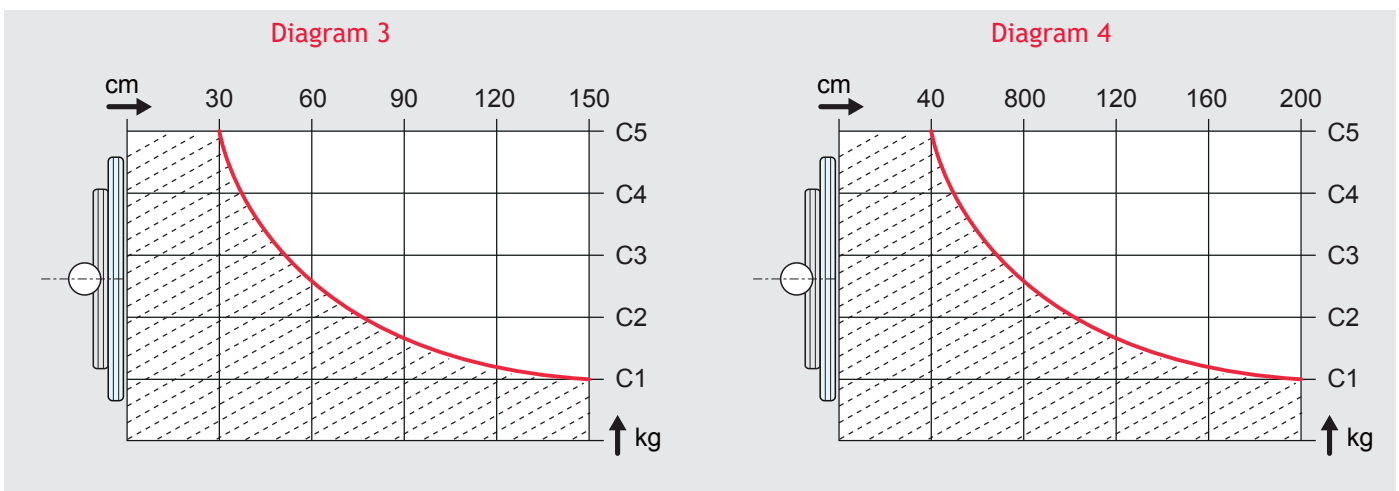
## Welding Positioner POS-TW and POS-TS series

### Eccentric load (E)



| Eccentric  | POS-1TW | POS-2TW | POS-3TW   | POS-4TW | POS-5TW | POS-6TW | POS-8TW | POS-10TW |
|------------|---------|---------|-----------|---------|---------|---------|---------|----------|
| Diagram 1  |         |         | Diagram 2 |         |         |         |         |          |
| E1 (in kg) | 200     | 400     | 600       | 800     | 1000    | 1.200   | 1.600   | 2.000    |
| E2 (in kg) | 400     | 800     | 1.200     | 1.600   | 2.000   | 2.400   | 3.200   | 4.000    |
| E3 (in kg) | 600     | 1.200   | 1.800     | 2.400   | 3.000   | 3.600   | 4.800   | 6.000    |
| E4 (in kg) | 800     | 1.600   | 2.400     | 3.200   | 4.000   | 4.800   | 6.400   | 8.000    |
| E5 (in kg) | 1.000   | 2.000   | 3.000     | 4.000   | 5.000   | 6.000   | 8.000   | 10.000   |

### Centric load(C)



| Centric    | POS-1TW | POS-2TW | POS-3TW | POS-4TW | POS-5TW | POS-6TW   | POS-8TW | POS-10TW |
|------------|---------|---------|---------|---------|---------|-----------|---------|----------|
| Diagram 3  |         |         |         |         |         | Diagram 4 |         |          |
| C1 (in kg) | 200     | 400     | 600     | 800     | 1.000   | 1.200     | 1.600   | 2.000    |
| C2 (in kg) | 400     | 800     | 1.200   | 1.600   | 2.000   | 2.400     | 3.200   | 4.000    |
| C3 (in kg) | 600     | 1.200   | 1.800   | 2.400   | 3.000   | 3.600     | 4.800   | 6.000    |
| C4 (in kg) | 800     | 1.600   | 2.400   | 3.200   | 4.000   | 4.800     | 6.400   | 8.000    |
| C5 (in kg) | 1.000   | 2.000   | 3.000   | 4.000   | 5.000   | 6.000     | 8.000   | 10.000   |