# Data sheet 3E0240
## E-FLEX SMT

## Electrically height-adjustable special work table – Size M

Electrically height-adjustable special work table of the model series SMT E-FLEX for a wide range of applications thanks to a wide range of material options for the work surface. The metal plate enables also drilling holes for fastening devices, devices or clamps. The height-adjustable version offers an electrohydraulically adjustable single-scissor table bace for stepless adjustment of the optimal ergonomic working height or for height adjustment when used on other work surfaces, machines and systems in use, e.g. as a side or feed table. Unlike lifting tables, which are designed and intended for lifting and lowering loads and people, height-adjustable special work tables have rigid work and clamping plates, the height of which can be adapted to the work task.

**Examples of use:**
**Mechanical engineering:** Dressing table f. Individual parts, assembly work station with flexible working height
**Toolmaking:** Securing and clamping even stationary tool parts at an optimal working height for internal transport
**Industry in general:** Ergonomic and mobile maintenance work station, support for clamping devices with height adjustment

| Size | SMT E 30-100/16 M | SMT E 65-105/16 M |
|---|---|---|
| Height of table | 2480 x 1230(mm) | 2480 x 1230(mm) |
| Diameter of table | 16mm | 16mm |
| Material of table top | siehe Tabelle | siehe Tabelle |
| Table plate height | 300 x 1000(mm) | 650 x 1050(mm) |
| Lifting capacity | 250kg | 250kg |
| Max load | 2000kg | 2000kg |
| Net weight | 847kg | 820kg |

*Image: SMT E 30-100/16 M*

*Image: SMT E 30-100/16 M lower position*

## Tabletop

## Description

Dual built table top system consisting of a top and bottom plate with integrated substructure consisting of 2 side members and 3 cross members with flatness according to company standard WN5110000 based on DIN ISO 2768-2. Due to the dual table top design, the surface material can be realized in different materials depending on the application (see table). In the standard version, the top plate is made in S355 (bottom plate standard S235).

Due to the 8mm thick top and bottom plates, the optimal plate thickness is 16mm as standard.

| Material of top plate of tabletop | Opt. material description | Tensile strenght MPa | Hardness HV / (HBa) | Type no. SMT E 30-100/16 M | Type no. SMT E 65-105/16 M |
|---|---|---|---|---|---|
| Regular steel ST52 | S355, 1.0976 | Rm 430-550 | ca. 175 (128-163) | 3E0240 | 1E0240 |
| Higher strenght steel ST70 | S700, 1.8974 | Rm 780-950 | ca. 265 (220-280) | 3E0246 | 1E0246 |
| Stainless steel | 304, 1.4301,Niro | Rm 500-700 | ca. 205 (150-200) | 3E0265 | 1E0265 |
| Other materials for special requirements | For example: Aluminium, electrical insolutating Materials for electrical installations | | | | |

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## E-FLEX SMT

## Electrically height-adjustable special work table – Size M

## Table base

*Image above:* Scissor table base TGXX 30-100

*Image above:* Scissor table base *TGXX 65-105*

## Description

Double scissor table frames in extremely robust full steel design with approx. 300 kg dead weight and 2500 kg nominal static load. Floor rail with 3 leveling feet each to compensate for uneven floors up to 5cm at the installation site. The basic height of the adjustable frames guarantees, depending on the type, working heights of min. 300mm or 650mm.

The height is adjusted by an electro-hydraulic actuator which is controlled via a cable remote control. Depending on the version, the power transmission of the height adjustment is carried out by 1 to 2 single-stage hydraulic cylinders to a max. adjustable height of the work surface of 1050mm.

The height of the SWT worktop is fully adjustable from 350mm to 1050mm with a fully screwed double scissor table frame. These frames have 2-4 supporting hydraulic cylinders.

Details on the purpose of use as well as on operation and maintenance can be found in the corresponding operating instructions for the respective model. For pure lifting devices according to EN1570, please inquire alternatively about lifting frames for lifting and lowering load carriers or platforms.

As standard, the adjustable table frame in black RAL 9005 (KTL or powder) is long-lasting coated. The frame is also available individually with prefabricated adapters for the construction of customer-specific structures (see www.temputec.de)

## E-FLEX Hydraulics

## Description

In contrast to the manually adjustable table systems of the FLEX series, E-FLEX models have an electro-hydraulic drive.The movement dynamics is mechanically reduced to 15mm / s to safe speed. A modular built-in compact unit with an oil volume of up to 4 liters enables the operation of up to 4 hydraulic cylinders for height adjustment. The E-FLEX hydraulics is operated via a switch box with switch control and power connection socket 380 / 400V. The system design offers at least protection IP44. The height adjustment is carried out via a cable remote control with 3 control buttons (UP-DOWN and emergency-OFF) made of shockproof polypropylene of protection class IK08 acc. EN50102 controlled. The 3m long connecting cable of the cable remote control is detachably connected to a lockable socket and can be removed by the installer after the setting process.

| Hydraulic unit | Standard version |
|---|---|
| Compact unit dead weight | 12 kg |
| Motor protection class | IP55 , CE |
| Motor operating voltage | 380 / 400V, 50-60Hz |
| Motor power consumption | 1,5 - 2,6A AC |
| Engine power | 0,55 - 0,75 KW |
| Engine speed | bis 1.400 rpm |
| Motor power factor cos ϕ | 0,75 |
| Pump principle | gear |
| Funding volume | 0,5-2,3 cm³/U |
| Pressure (nom./max) | 150 / 230 bar |
| Tank capacity | 0,5-4,0 Liter |
| Fluid viscosity | 46 mm²/s |

The E-FLEX hydraulics can also be modularly retrofitted to manually adjustable systems of the FLEX series in just a few steps. Additional information can be found in the respective operating instructions for the relevant models.

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