

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 base 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 insulating Materials for electrical installations				

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Table base

Description



Image above: Scissor table base TGXX 30-100

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.



Image above: Scissor table base TGXX 65-105

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.