Data sheet 3E0471
E-FLEX SST

Electrically height-adjustable special work table for clamping tasks – Size SL

Height-adjustable special worktable of the SST E-FLEX series with Ø28 hole system for holding Ø28 clamping tools for clamping of workpieces, constructions, tools as well as small processing devices or clamping plates. The height-adjustable version E-FLEX offers an electrohydraulically adjustable double scissor table base for stepless adjustment of optimal ergonomic working heights. In addition to ergonomics, height adjustment can be used to adapt the system to other work surfaces, machines and systems, e.g. enabling the usage as a side or feed table. In contrast to s.g. “Lift tables”, which are primarily designed and intended for lifting and lowering loads and people, have height-adjustable special work tables rigid worktops and/or clamping plates, the height of which can be adapted to the work task and are not intended for lifting and lowering loads or people.

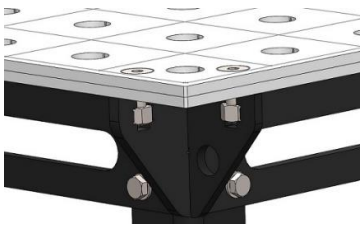
Examples of use:

Metal works – Height adjustable 3D-Welding table for clamping single pieces to welding contructions
Wood works – Height adjustable table for Clamping of wood contructions for gluing
Machine building –Table for treatment of single machine parts with clamping functions with flexible height
Toolshop or repair – Securing of toolparts before treament or transportation within shop and adaptable height depending of tools position
Gen. Industrie - Ergonomic and movable carrier for all kind of small fixtures or height adjustable multi purpose working bench in maintenance and repair shops

	SST E 30-100/16 SL	SST E 65-105/16 SL
Tabletop dimensions	1950mm x 950mm	1950mm x 950mm
Height of table	300mm - 1000mm	650mm - 1050mm
Diameter of holes at tabletop	Ø 28mm	Ø 28mm
Hole grid	100mm x 100mm	100mm x 100mm
Material of tabletop	See table below	see table below
Table plate height	16mm dual	16mm dual
Lifting capacity	250kg	250kg
Max. load	2000 kg	2000 kg
Net weight	434kg	409kg

Symbol : SST E 30-100/16 SL Ø 28mm

Tabletop



Description

Tabletop buildt as a dual plate system with upper plate, lower plate and support construction of 2 beams lenghtwise and 3 cross beams achieving flatness acc. workstandard WN5110000 in dependance upon DIN ISO 2768-2. The dual plate design enables the use of different surface materials which can be chosen in accordance with the working task (see table materials). In standard top plate is made from material S355 (lower plate standard S235). The surface is carriing a Ø28mm hole grid 100x100mm which allowes the usage of various clamping tools (available clamping tools can be selected in our website www.temputec.de). At the top plate surface also a line grid is engraved in order to assist visual orientation.
Due to the use of two 8mm plates in dual design the optimal thickness of the top plate is 16mm

Material of top plate of tabletop	Opt. material description	Tensile strenght MPa	Hardness HV / (HBa)	Type no. SST E 30-100/16 SL	Type no. SST E 65-105/16 SL
Regular steel ST52	S355, 1.0976	Rm 430-550	ca. 175 (128-163)	3E0471	1E0471
Higher strenght steel ST70	S700, 1.8974	Rm 780-950	ca. 265 (220-280)	3E0472	1E0472
Stainless steel	304, 1.4301,Niro	Rm 500-700	ca. 205 (150-200)	3E0473	1E0473
Other materials for special requirements	For example: Aluminium, electrical insolutating Materials for electrical installations				

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Technical changes and errors excepted.

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E-FLEX SST

Electrically height-adjustable special work table for clamping tasks – Size SL

Table base

Image above: Scissor table base TGX 30-100

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

Description

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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