



# 3D-Welding Table Systems



MADE  
IN  
GERMANY

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SST-Fix Series



SST 80/35M

SSTW-Fix Series



SSTW 80/35-200M  
(with side panels, table top thickness only in 35 mm)



SST 80/35L



SSTW 80/35-200L  
(with side panels, table top thickness only in 35 mm)

SST 80/35S **S**



Very fine, 100 x 100 mm hole grid (28 mm dia.) for efficient clamping and fixing. Wide selection of surface materials.

**Utility-model patent**

A solid base made of 8 mm beams and M16 levelling feet from 0 to 70 mm with up to 2.8 KN loading capacity (please observe total loading capacity of the table model) ensuring stability even on uneven grounds.

# 3D-Welding Table Systems: SST-Fix & SSTW-Fix Series

3D-Welding Table Systems of the SST-Fix Series are ideal workplaces for efficiently welding and adhesive bonding structures such as railings, racks, appliances, etc.

With the help of our extensive assortment of clamping devices (see section „3D-Welding Table Accessories“) these table systems themselves are useable as flexibly equipped appliances and thus allow for high-quality manufacturing of small and medium volume products.

Work tables of 25 to 35 mm thickness, equipped with a 28 mm dia. hole grid, are used for this purpose in 3D-Welding table systems. In addition, the table has 100 x 100 mm grid markings for easy alignment

of work pieces or fixtures. The hole grid allows to use a variety of clamping elements and fixation aids. Due to the special comprehensive bolted joint design of the clamping plate the work area can be exchanged at low cost if required or in case of excessive wear. The table system is therefore especially long-living.

Due to the modular design the user can attach various kinds of accessory equipment such as exhaust hoods or storage shelves (see section „3D-Welding Table Accessories“).

The following table provides an overview of the available standard models.

Type / Item no.	Work area in mm	Table top thickness in mm (h)	Table height in mm	Max. load in kg	Net weight in kg
SST 80/25S	1400 x 900	25	800	2000	243
SST 80/35S	1400 x 900	35	800	2000	250
SST 80/25M	2480 x 1230	25	800	2000	480
SST 80/35M	2480 x 1230	35	800	2000	495
SST 80/25L	2980 x 1480	25	800	2000	642
SST 80/35L	2980 x 1480	35	800	2000	660
SSTW 80/35-200M	2350 x 1150	35	800	2000	588
SSTW 80/35-200L	2950 x 1450	35	800	2000	833

**Features of the  
TEMPUS® SST fix Series**

- extremely rugged solid steel design
- comprehensive bolted joint design
- secure and stable by up to 833 kg net weight and levelling feet
- table top of 25 to 35 mm thickness with 28 mm dia. hole grid
- 100 x 100 mm line grid efficient clamping and fixing
- variety of table top materials (aluminium, stainless steel)
- surface KTL coated RAL 9005 black (except table top)

For special applications (processing stainless steel, painted or coated components, or wood) the table top may be made of either 1.4301 stainless steel, aluminium, polymer or high strength steels like ST70 deviating from the standard.



The thickness „h“ of the table top design can be varied between 25 to 35 mm, upper table top plate (8 mm) available in different materials depending on the individual application.

SST-Flex Series



SST 80-110/35M  
(Fig.: includes extra gun and can holder)

SSTW-Flex Series



SSTW 70-100/35-200M  
(with side panels, table top thickness only in 35 mm)

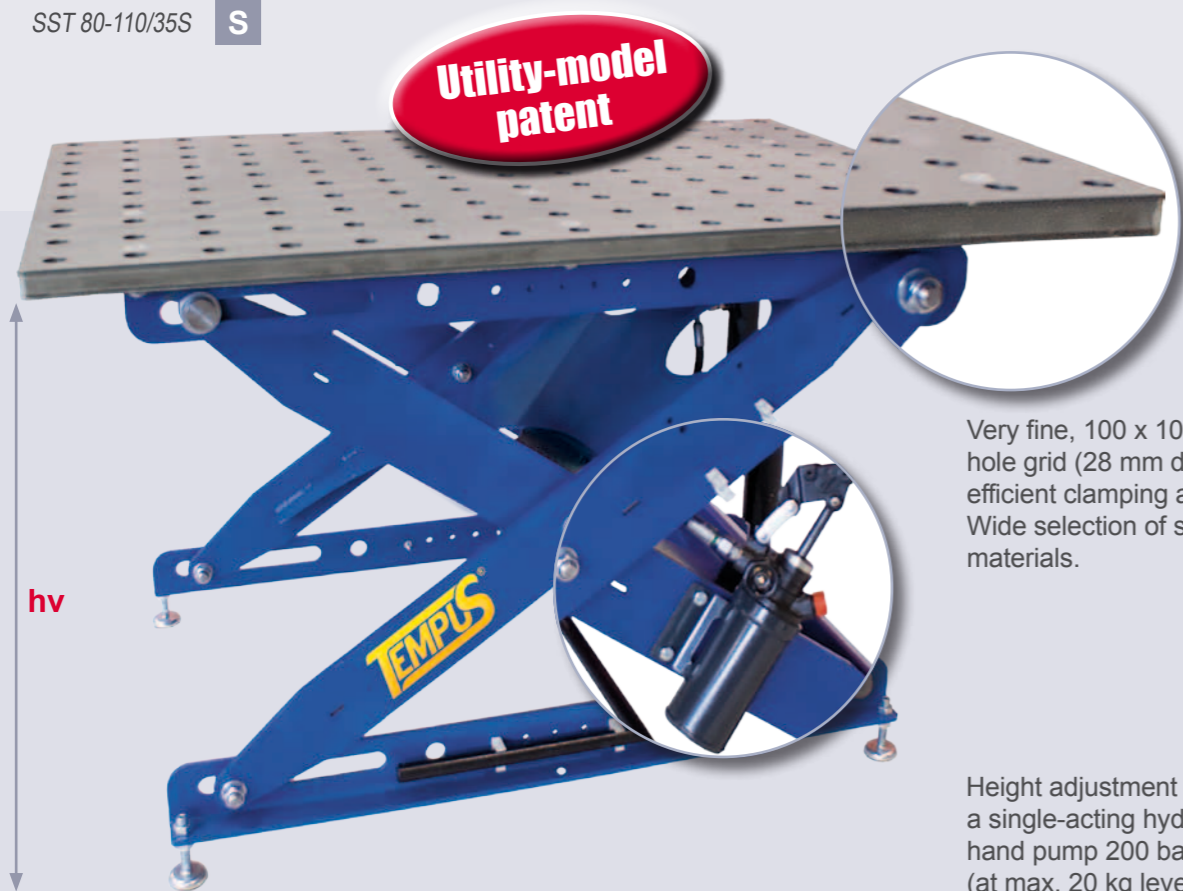


SST 80-110/35L



SSTW 70-100/35-200L  
(with side panels, table top thickness only in 35 mm)

SST 80-110/35S **S**



**Utility-model patent**

Very fine, 100 x 100 mm hole grid (28 mm dia.) for efficient clamping and fixing. Wide selection of surface materials.

Height adjustment (hv) using a single-acting hydraulic hand pump 200 bar (at max. 20 kg leverage).

# 3D-Welding Table Systems: SST-Flex & SSTW-Flex Series

3D-Welding Table Systems of the SST-Flex Series feature a height-adjustable table substructure in addition to the features of the SST-Fix series. This enables the user to flexibly adjust the working height of entire table system according to the particular requirements.

Three ranges of height adjustment (600 to 950 mm or 800 to 1100 mm and 700 to 1100 mm at the SSTW-Flex tables) are available. Such as the SST

fix series, the table top exhibits a 100 x 100 mm, 28 mm dia. hole grid for the use of various clamping and fixation aids. Due to the comprehensive bolted joint design the table top can be replaced at low cost if excessive wear occurs later. The table system is therefore especially long-living.

The following table provides an overview of the available standard models.

Type / Item no.	Work area in mm	Table top thickness in mm (h)	Table height from – to in mm (hv)	Max. load in kg	Net weight in kg
SST 80-110/25S	1400 x 900	25	800 – 1100	2000	318
SST 80-110/35S	1400 x 900	35	800 – 1100	2000	325
SST 80-110/25M	2480 x 1230	25	800 – 1100	2000	605
SST 80-110/35M	2480 x 1230	35	800 – 1100	2000	620
SST 80-110/25L	2980 x 1480	25	800 – 1100	2000	875
SST 80-110/35L	2980 x 1480	35	800 – 1100	2000	890
SST 60-95/25S	1400 x 900	25	600 – 950	2000	308
SST 60-95/35S	1400 x 900	35	600 – 950	2000	315
SST 60-95/25M	2480 x 1230	25	600 – 950	2000	585
SST 60-95/35M	2480 x 1230	35	600 – 950	2000	600
SST 60-95/25L	2980 x 1480	25	600 – 950	2000	852
SST 60-95/35L	2980 x 1480	35	600 – 950	2000	870
SSTW 70-100/35-200M	2350 x 1150	35	700 – 1000	2000	699
SSTW 70-100/35-200L	2950 x 1450	35	700 – 1000	2000	934

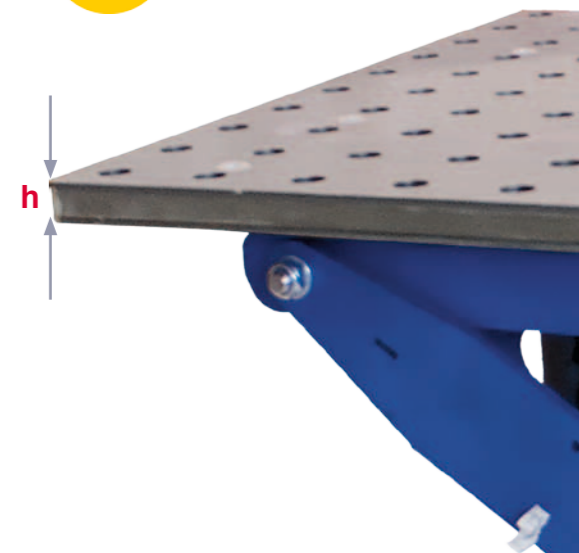
**Features of the TEMPUS® SST fix Series**

- extremely rugged solid steel design
- comprehensive bolted joint design
- secure and stable by up to 934 kg net weight and levelling feet
- table top of 25 to 35 mm thickness with 28 mm dia. hole grid
- height adjustable 800 to 1100 mm or 650 to 900 mm depending on the model, 700 to 1000 mm at the SSTW-Flex tables
- 100 x 100 mm line grid efficient clamping and fixing
- variety of table top materials (aluminium, stainless steel)
- mobile due to attachments for transport by lifting truck
- surface painted gentian blue RAL 5010 (except table top)

The table height can be easily adjusted to individual needs and allows to work ergonomically and efficiently.




The thickness „h“ of the table top design can be varied between 25 to 35 mm, upper table top plate (8 mm) available in different materials depending on the individual application.



**Base-Kit** Item no. 20416

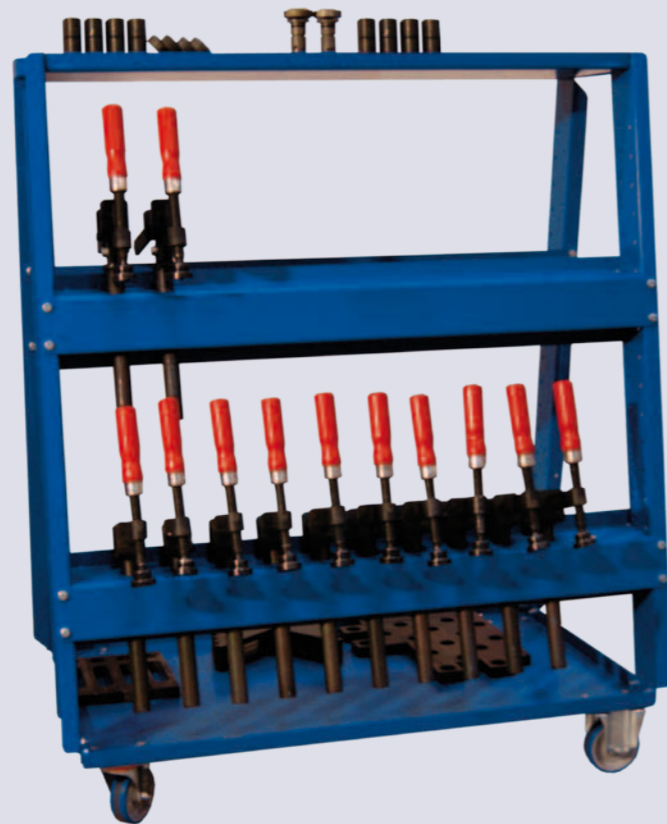
- 1x accessory trolley
- 1x square 350 x 20
- 1x square, adjustable 250
- 4x adjustable clamp
- 1x multi clamp
- 2x upright square, adjustable 175 x 20
- 2x slat 225 x 20
- 4x socket pin
- 2x plug holder
- 1x clamping bolt



Delivery in hot-dip galvanized version – custom painted on request at extra charge. 

**Starter-Kit** Item no. 21464

- 1x accessory trolley
- 2x square 350 x 20
- 2x square, adjustable 250
- 10x adjustable clamp
- 2x multi clamp
- 4x upright square, adjustable 175 x 20
- 4x slat 225 x 20
- 8x socket pin
- 4x plug holder
- 2x clamping bolt



# 3D-Welding Table Systems:

## Accessory kits

Specially selected welding table accessory kits are available consisting of a universally useable assortment of clamps, squares, slats, and bolts, especially for beginners. The respective accessories are sufficient for most simple welding operations. For special applications look at the 3D-Welding Table Accessories on page 12–17.

The base kit and the starter kit include the accessory trolley in the hot-dip galvanized version. A custom paint is available at extra cost.

The compositions of the standard accessory kits are presented on the left page in two variants.



Accessory trolley (custom painted RAL 5010 blue)



adjustable clamp



multi clamp



upright square 175x20



square 350x20



square, adjustable 250x20



slat 225x20




plug holder



socket pin



clamping bolt

Details of the 3D-welding table accessories can be found on page 12–17. 

## SMT-Fix Series



Auxiliary means such as vice, appliances, magnetic fixtures etc. are easily and robustly mounted.



Utility-model patent

SMT 80/12S

S



The massive, 12 to 20 mm solid metal work table top made from ST52 is bolted to the base frame and easily replaceable if worn.

A solid base made of 8 mm beams and M16 levelling feet from 0 to 70 mm with up to 2.8 KN loading capacity (please observe total loading capacity of the table model) ensuring stability even on uneven grounds.

# Assembly Tables: SMT-Fix Series

Welding and assembly tables of the SMT-Fix Series are robust workplaces, suitable for everyday use, for handling heavy work pieces, for working with electrically driven power tools or chemical and oily substances.

The strong, up to 20 mm thick solid steel table top can cope with heavy shocks or blows which often occur when working with heavy hand tools or handling very heavy metal work pieces without meaning-

ful distortion or indentations. The solid metal table top allows for unrestricted use of magnetic fixtures for holding components.

Due to its high own weight this versatile table is sufficiently safe against overturning even when loaded with heavy objects or tools.

The following table provides an overview of the available standard models.

Type / Item no.	Work area in mm	Table top thickness in mm (h)	Table height in mm	Max. load in kg	Net weight in kg
SMT 80/12S	1480 x 980	12	800	2000	194
SMT 80/15S	1480 x 980	15	800	2000	231
SMT 80/20S	1480 x 980	20	800	2000	291
SMT 80/12M	2480 x 1230	12	800	2000	386
SMT 80/15M	2480 x 1230	15	800	2000	461
SMT 80/20M	2480 x 1230	20	800	2000	586
SMT 80/12L	2980 x 1480	12	800	2000	532
SMT 80/15L	2980 x 1480	15	800	2000	640
SMT 80/20L	2980 x 1480	20	800	2000	820

### Features of the TEMPUS® SMT fix Series

- extremely rugged solid steel design
- comprehensive bolted joint design
- secure and stable by up to 820 kg net weight and levelling feet
- table top of at least 12 mm thickness, can be varied up to 20 mm
- surface painted RAL 5010 black (except table top)



Depending on the required application, the table top thickness „h“ can vary from 12 to 20 mm.



SMT 80-110/12M



SMT 80-110/12L



SMT 60-95/12S



SMT 60-95/12L

SMT 80-110/12S **S**



hv

The massive, 12 to 20 mm solid metal work table top made from ST52 is bolted to the base frame and easily replaceable if worn.

Height adjustment (hv) using a single-acting hydraulic hand pump 200 bar (at max. 20 kg leverage).

Auxiliary means such as vice, appliances, magnetic fixtures etc. are easily and robustly mounted.



# Assembly Tables: SMT-Flex Series

Welding and assembly tables of the SMT-Flex Series are robust, height-adjustable workplaces, suitable for everyday use, for handling heavy work pieces, for working with electrically driven power tools or chemical and oily substances.

The strong, up to 20 mm thick solid steel table top, shock and impact resistant, allows for unrestricted use of magnetic fixtures for holding components.

Two different ranges of height adjustment are available (800 to 1100 mm and 650 to 900 mm). Due to its high own weight this versatile table is sufficiently safe against overturning when loaded with heavy objects or tools – even at its highest position.

The following table provides an overview of the available standard models.

Type / Item no.	Work area in mm	Table top thickness in mm (h)	Table height from – to in mm (hv)	Max. load in kg	Net weight in kg
SMT 80-110/12S	1480 x 980	12	800 – 1100	2000	335
SMT 80-110/15S	1480 x 980	15	800 – 1100	2000	371
SMT 80-110/20S	1480 x 980	20	800 – 1100	2000	431
SMT 80-110/12M	2480 x 1230	12	800 – 1100	2000	600
SMT 80-110/15M	2480 x 1230	15	800 – 1100	2000	675
SMT 80-110/20M	2480 x 1230	20	800 – 1100	2000	800
SMT 80-110/12L	2980 x 1480	12	800 – 1100	2000	732
SMT 80-110/15L	2980 x 1480	15	800 – 1100	2000	840
SMT 80-110/20L	2980 x 1480	20	800 – 1100	2000	1020
SMT 60-95/12S	1480 x 980	12	600 – 950	2000	335
SMT 60-95/15S	1480 x 980	15	600 – 950	2000	371
SMT 60-95/20S	1480 x 980	20	600 – 950	2000	431
SMT 60-95/12M	2480 x 1230	12	600 – 950	2000	580
SMT 60-95/15M	2480 x 1230	15	600 – 950	2000	655
SMT 60-95/20M	2480 x 1230	20	600 – 950	2000	780
SMT 60-95/12L	2980 x 1480	12	600 – 950	2000	709
SMT 60-95/15L	2980 x 1480	15	600 – 950	2000	817
SMT 60-95/20L	2980 x 1480	20	600 – 950	2000	997

### Features of the TEMPUS® SST fix Series

- extremely rugged solid steel design
- comprehensive bolted joint design
- secure and stable by up to 1020 kg net weight and levelling feet
- table top of at least 12 mm thickness, can be varied up to 20 mm
- height adjustable 800 to 1100 mm or 650 to 900 mm depending on the model
- mobile due to attachments for transport by lifting truck
- surface painted gentian blue RAL 5010 (except table top)



The table height can be easily adjusted to individual needs and allows to work ergonomically and efficiently.



Depending on the required application, the table top thickness „h“ can vary from 12 to 20 mm.



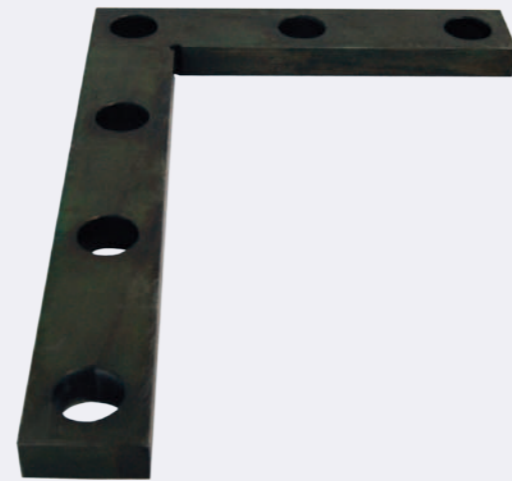
## 3D-Welding Table Accessories: Squares, slats



1 square 150 x 20



2 square 250 x 20



3 square 350 x 20



4 square, adjustable 250 x 20



5 square, adjustable 300 x 20



6 slat 225 x 20



7 upright square, adjustable 175 x 20



8 upright square, adjustable 225 x 20



9 upright square, adjustable 275 x 20

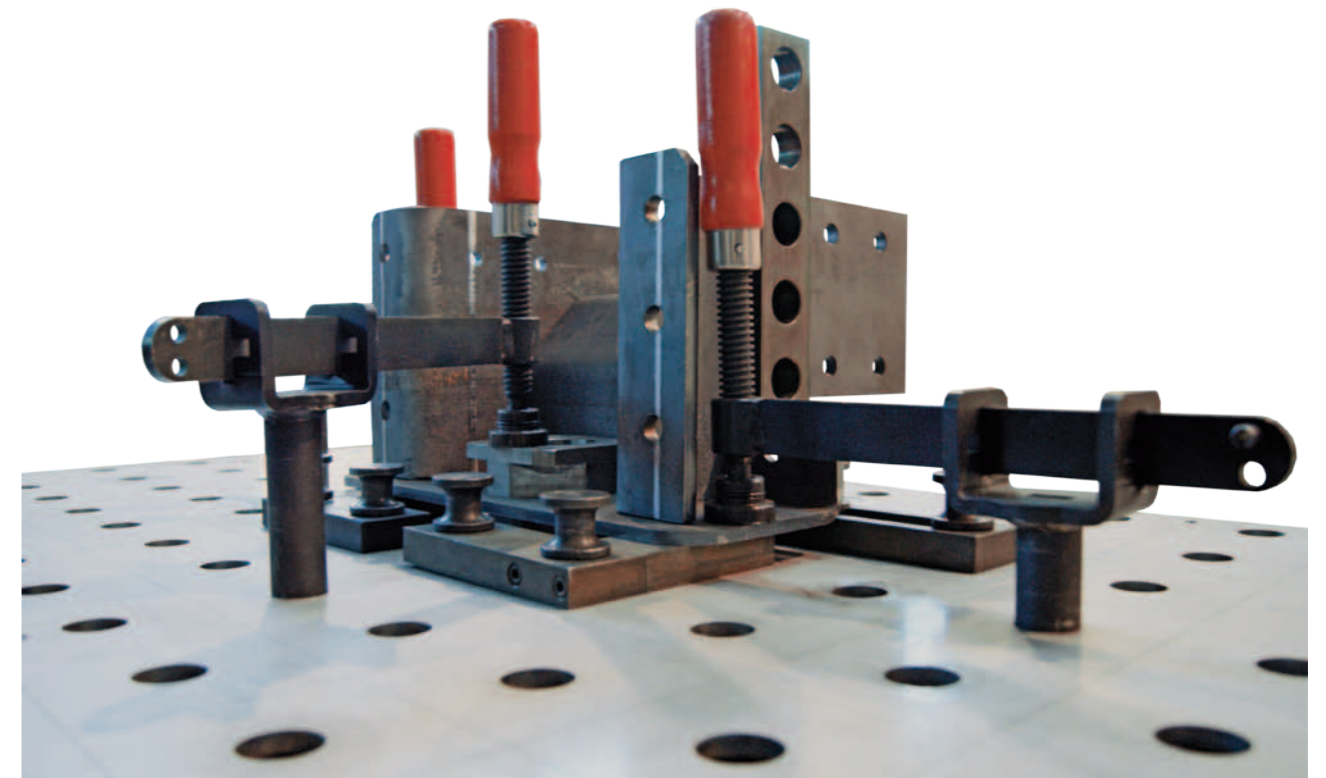


10 upright square, adjustable 325 x 20

For the precise and repeatable production of rectangular constructions we recommend the use of squares which are mounted by means of clamping bolts or clamps on the 3D-welding table surface. Various sizes (see table) serve to machine workpieces of all sizes.

Squares are available both flat and as an upright version. Slats help the user in the exact positioning of workpieces.

All squares and slats are made of steel and provided with a hole pattern tailored to the hole grid of the 3D-welding table.



Item no.	Designation	Dimensions	
		in mm	
1	20399	square 150 x 20	150 x 150
2	20401	square 250 x 20	250 x 150
3	20403	square 350 x 20	350 x 250
4	21946	square, adjustable 250	250 x 150
5	21948	square, adjustable 300	300 x 250
6	20560	slat 225 x 20	225 x 50
7	20562	upright square, adjustable 175 x 20	175 x 170
8	21684	upright square, adjustable 225 x 20	225 x 170
9	21686	upright square, adjustable 275 x 20	275 x 170
10	21688	upright square, adjustable 325 x 20	375 x 170



# 3D-Welding Table Accessories:

## Clamps, sleeves, tubes, bolts, spacer rings



1 Multi clamp with wedge lock 45° and flexible horizontal offset



2 Adjustable clamp with flexible horizontal offset



3 Swing clamp with 360° swivelled clamping spindle



4 Extension sleeve for adopting the extension tube



5 Extension tube for extending the clamping height to max. 550 mm



6 Claw clamping bolt with an internal mechanical clamping mechanism



7 Ball clamping bolt short



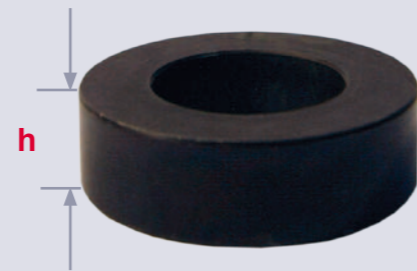
8 Ball clamping bolt long



9 Plug holder for fixing the plug-in depth of the clamp



10 Socket pin for quick connection of squares and slats



11–18 Spacer rings 15 to 34.5 mm for clamping bolts to compensate for various table top and end stop thicknesses

A variety of clamp types is available for the practical, efficient use of 3D-Welding tables (see table below, items 1–3). All clamps are made of steel. Ergonomically designed handles allow a rapid and robust fixation of the components by means of a trapezoidal threaded rod M20 x 4 mm. The clamp head is adjustable in various angles and thus permits to attach even pieces or appliances that are not rectangular. The end pieces of the threaded rods are mounted on a ball head and easily balance minor irregularities of the workpiece surface.

For manufacturing stainless steel components the end pieces can be supplied in stainless steel. The operational height of the clamp can be varied by the plug-in depth in the hole grid of the 3D-welding table from 0 to 250 mm (nominal size minus 50 mm plug-in depth).

The clamping height can be extended up to 550 mm by extension sleeves and tubes (nominal clamping height plus 300 mm extension tube).

Steel plug-in bolts with internal clamping mechanism allow rapid fixation of stop bars and angles on the work table surface.

Item no.		Designation	Dimensions
			in mm
1	20374	multi clamp	300 x 350
2	20376	adjustable clamp	330 x 350
3	20378	swing clamp	290 x 70
4	20380	extension sleeve	Ø 28 x 100
5	20382	extension tube	Ø 28 x 250
6	21654	claw clamping bolt	Ø 28 x 100
7	25707	ball clamping bolt short	Ø 28 x 62,5
8	23511	ball clamping bolt long	Ø 28 x 77,5
9	21152	plug holder	Ø 40 x 15
10	21150	socket pin	Ø 35 x 65
			d1/d2 x h
11	21477	spacer ring 15	50/28 x 15
12	21478	spacer ring 18	50/28 x 18
13	21479	spacer ring 20	50/28 x 20
14	21480	spacer ring 22	50/28 x 22
15	21481	spacer ring 27,5	50/28 x 27,5
16	21482	spacer ring 30,5	50/28 x 30,5
17	21483	spacer ring 32,5	50/28 x 32,5
18	21484	spacer ring 34,5	50/28 x 34,5

# 3D-Welding Table Accessories:

## Prisms, adapters



1 prism 40  
outer diameter 40 mm



2 prism 60  
outer diameter 60 mm



3 prism 98  
outer diameter 98 mm



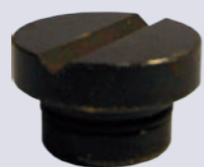
4 adapter 50  
height extension 50 mm



5 adapter 75  
height extension 75 mm



6 adapter 100  
height extension 100 mm




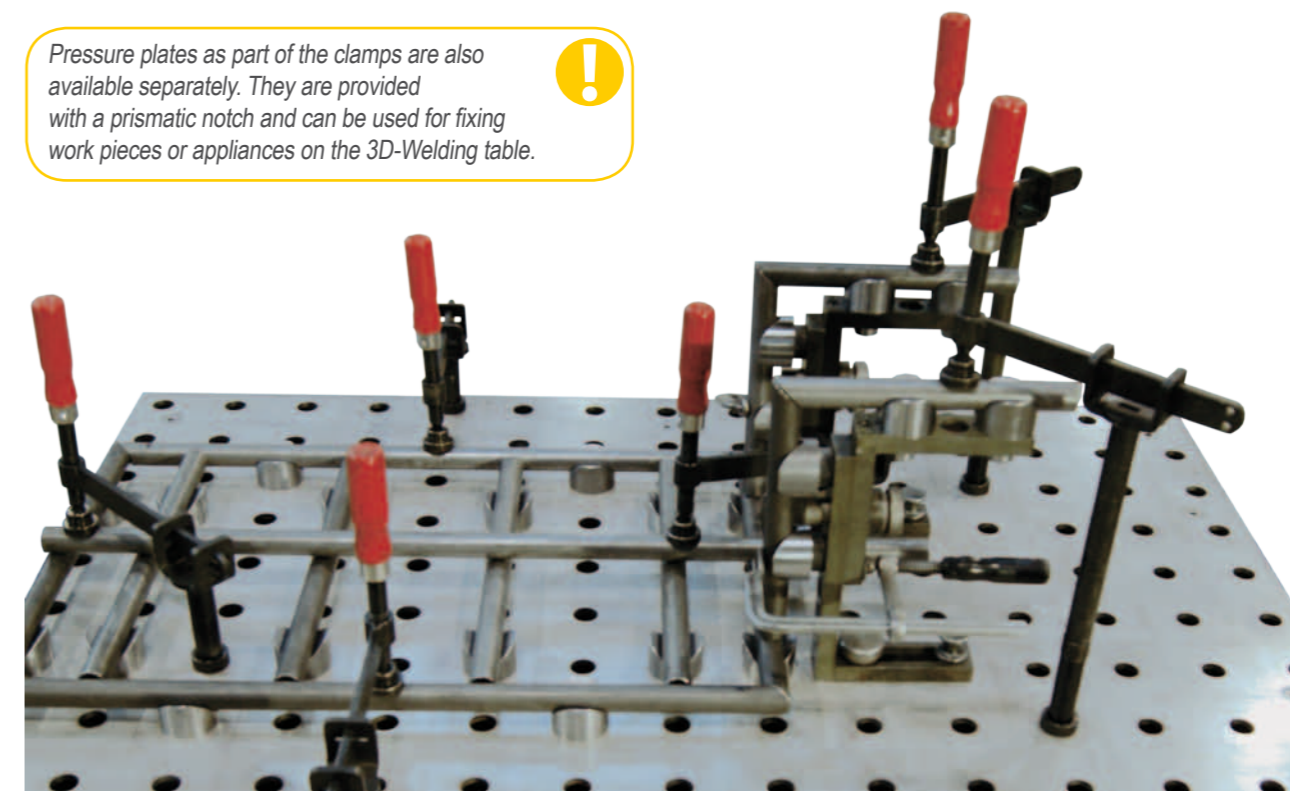
7 pressure plate  
outer diameter 40 mm

For the clamping of round shapes and pipe or rod constructions prisms are generally used. Several types of prisms are available to effectively accommodate different diameters (see table below).

The steel prisms have at their base a 28 mm dia. host to adapt to the 3D-welding table. Using different adapters (see table below) the height can also be flexibly arranged. The available sizes are shown in the following table.



Pressure plates as part of the clamps are also available separately. They are provided with a prismatic notch and can be used for fixing work pieces or appliances on the 3D-Welding table. 



Item no.		Designation	Dimensions
			in mm
1	21638	prism 40	Ø 40 x 50
2	21640	prism 60	Ø 60 x 76
3	21642	prism 98	Ø 98 x 94
4	21644	adapter 50	Ø 40 x 50
5	21646	adapter 75	Ø 40 x 75
6	21648	adapter 100	Ø 40 x 100
7	21281	pressure plate of steel	Ø 40 x 24
8	23863	pressure plate of stainless steel	Ø 40 x 24

# Workshop Organization: Equipment



1 ash tray including holder for SMT/SST tables, accessory and flex standard parts trolleys



2 file pinboard for accessory and flex standard parts trolley



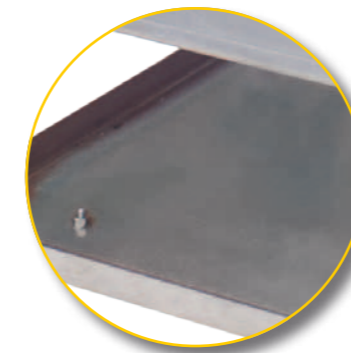
3 disc holder for SMT/SST tables, accessory and flex standard parts trolley



4 coat hooks for accessory and flex standard parts trolley



5 can and cup holder for SMT/SST tables, accessory and flex standard parts trolley



Delivery in hot-dip galvanized version – custom painted on request at extra charge.



Fig.: Flex standard parts trolley used with pinboard (top) as well as can and cup holder and disc holder (right-hand side).

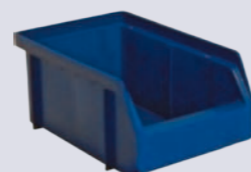
Storage boxes are available in blue, green, yellow, red or grey.



6 storage box size 2



7 storage box size 3



8 storage box size 4

Item no.		Designation	Dimensions
			in mm
1	21660	ash tray including holder	90 x 90
2	21662	file pinboard	995 x 377
3	21666	disc holder	100 x 70
4	21664	coat hook	80 x 46
5	21668	can and cup holder	132 x 102
6	21406	storage box size 2	209 x 335 x 152
7	21407	storage box size 3	150 x 230 x 130
8	21610	storage box size 4	105 x 161 x 75



*Steel created for the future.*



**+49 (0) 36 03 89 56 99-88 and -89**

We look forward to your phone call!  
We are available Mondays to Fridays  
between 8:00 a.m. and 4:30 p.m.

Tempus Holding GmbH  
Am Fliegerhorst 4  
99947 Bad Langensalza  
Germany

Visit us on the web under

**[www.tempus-holding.de](http://www.tempus-holding.de)**