

SLOT-MAX – welding table



Purpose

SLOT-MAX welding station is used during assembling of the welded constructions, where is required positioning precision of the welded elements and in case of repeating operations.

Numerous accessories provide possibility of positioning of the single welded elements, therefore straight lines and accurate angles are under control during the welding.

As additional equipment, SLOT-MAX can work with a mobile filtering unit, whereby the cleaned air remains in the room. This is important to prevent thermal loss in winter.

Dust is captured directly close to its emission source – through the hood of a self-supporting extraction arm.

Structure

The entire welding station consists of following elements:

- sworkbench with a grate,
- 4 hopper chambers,
- assembly holder).

The workbench is completely covered with a grate made of fastening rails (grey cast iron), distributed parallel in every 15 mm

distances. Welding spatters do not adhere to cast iron, therefore it is easy to keep the table clean. If a spatter glues to the grate, it can be easily removed by a wire brush. Maximum load capacity of a guide rail is 1500 kg. Guide rails give a possibility of slot clamping to of the assembly holders in a form of sliding thrust blocks, providing precise gripping of the welded elements and fast execution of the welding.

Underneath the workbench is located a steel supporting structure, based on legs of adjustable height. There are 4 hopper chambers under the bench to collect the waste particles, arising during the welding process.

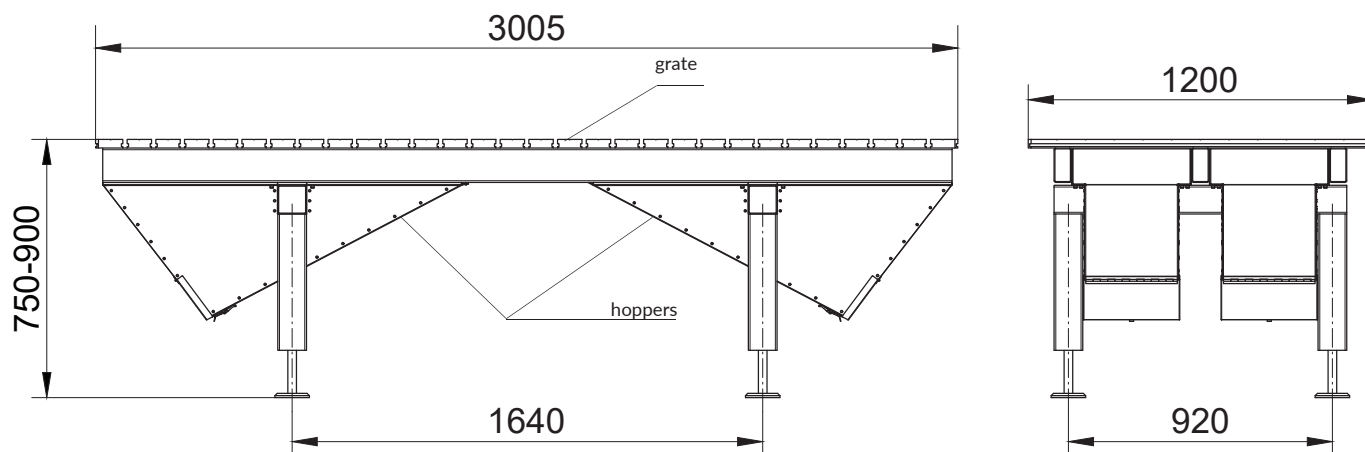
Additionally, with the welding bench can cooperate a mobile filtering unit. On choice is a filtering unit BIG-1000 with one extraction arm or filtering unit BIG-2000 with two extraction arms. The device is equipped with a fan, polyester filter class H13, pneumatic filter regeneration system and control unit. Impurities, that deposited on the filter surface, are struck down by cyclically occurring impulses of compressed air. Pneumatic filter regeneration system consists of compressed air tank and electromagnetic valve. It is important to connect the device to the external compressed air installation.

Extraction arm (arms) can be adjusted in randomly chosen position above the table, to meet the current needs of the operator.

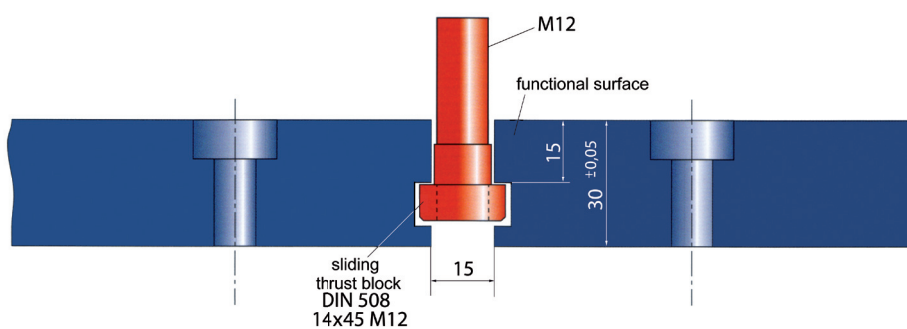
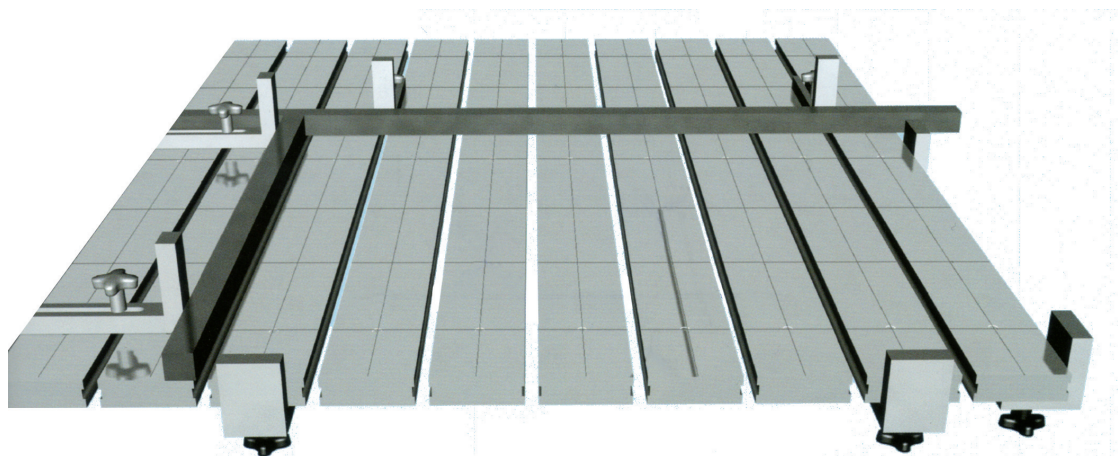
Technical data

Type	Part no.	Weight [kg]	Maximum load of the guide rail [kg]	Remarks
SLOT-MAX	813S17	1138	1500	The table cooperates with a filtering unit BIG-1000 or BIG-2000, equipped with extraction arms


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Examples of mounting of the assembly holders to the guide rails of the table technological surface



Fastening clamps







	Type	Part no.	Description
	CA-1* 2010	808U13	clamping arm – for the arm Ø30x150 m
	FC-1 2040	808U14	flat clamp – protrusion 200 m maximum clamping height 100 m
	CJ 2041	808U15	clamping jaws – protrusion 70 mm maximum clamping range 60 mm
	QR 2042	808U16	fast-release clamp – with a flat clamping
	HC-1* 2043	808U17	horizontal clamp – without the column
	HC-2 2044	808U18	horizontal clamp – with 2 columns Ø30x350 mm
	CA-2* 2050	808U19	clamping arm – for the arm Ø50 mm
	SA* 2051	808U20	supporting arm – for the arm Ø50 mm
	FC-2 3030	808U21	flange clamp and large clamping column Ø50x600 mm

	Type	Part no.	Description
	CC-1 2020	808U22	clamping column Ø30x150 mm
	CC-2 2021	808U23	clamping column Ø30x350 mm
	CC-3 2022	808U24	clamping column Ø30x550 mm
	CT-1 2052	808U25	clamping tower Ø50x300 mm
	CT-2 2053	808U26	clamping tower Ø50x600 mm
	CT-3 2054	808U27	clamping tower Ø50x900 mm
	CT-4 2055	808U28	clamping tower Ø50x1200 mm

* Works with columns and clamping towers – type CC and CT.

Stoppers and angle profiles

	Type	Part no.	Description
	ES-1 3010	808U01	terminal fastener height: 70 mm
	ES-2 3011	808U02	terminal fastener height: 200 mm
	FS 3012	808U03	flat fastener height: 70 mm
	FSA-1 3017	808U04	quadrilateral angle height: 100 mm
	FSA-2 3018	808U05	quadrilateral angle height: 300 mm
	AA 3019	808U06	angle adjustment 350x350 mm

	Type	Part no.	Description
	TS-1 3013	808U07	angle profile 100x170 mm
	TS-2 3014	808U08	angle profile 170x170 mm
	TS-3 3015	808U09	angle profile 600x350 mm
	TS-4 3016	808U10	angle profile 1000x350 mm
	VB-1 3020	808U11	support V-block 120° diameter Ø60 mm
	VB-2 3021	808U12	support V-block 120° diameter Ø100 mm