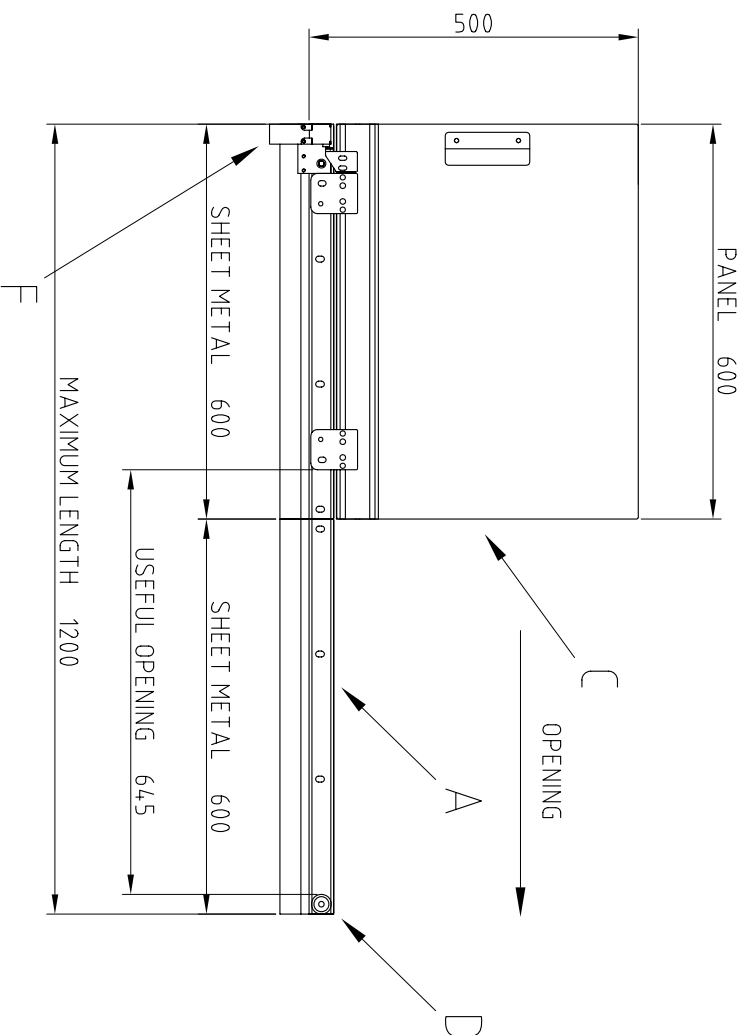
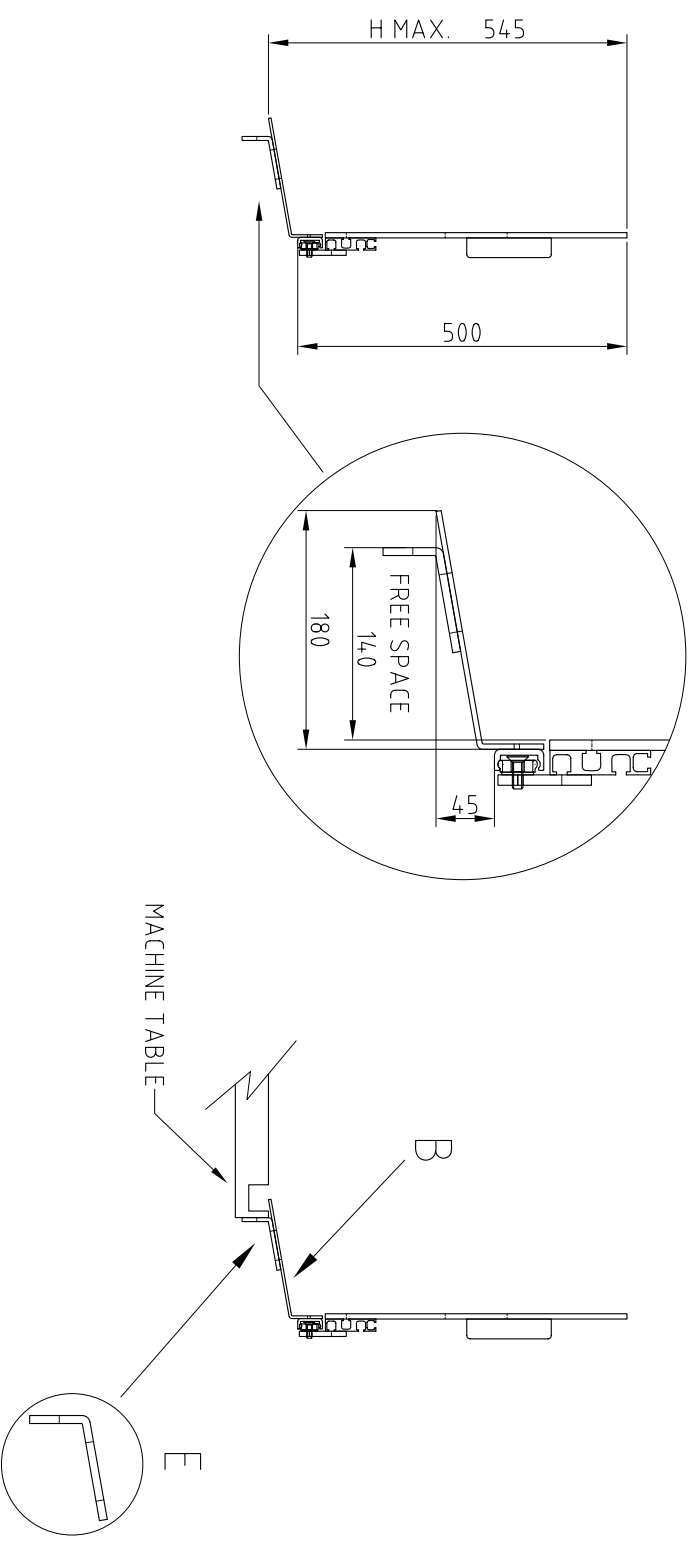


FRONTAL VIEW



LATERAL VIEW



INSTRUCTION OF INSTALLATION - PRE 01/650

MACHINE TABLE

The safety guard for universal and surface grinders is composed by many parts to be joined in advance together before they are assembled.

1 - First join the sliding guide "A" (already complete with steel plate/plates "B") with the sliding shield "C", by inserting the two shield carriages through the sliding guide "D". This operation must be done from the right side of the guide, after having removed the end-limit pad.

The safety guard has been designed to be installed on the mobile slide and anchored (as exemplified on the lateral view) to its external edge through the angular stirrups "E" supplied.

2 - Before starting installation, we suggest to identify the ideal anchorage position on the machine, making reference to the dimensional measures shown above and checking: the safety guard, being moved by the mobile slide, must not constitute a danger of crushing or shearing for the operator. Therefore check the spaces which could cause interference between the mobile and fixed parts - Its ideal horizontal position is the one assuring max. coverage of the front dangerous area, it means the area represented by the grindstone, by any other dangerous moving part and by lubricating-cooling splinters.

3 - Once ideal anchorage position has been identified, assemble the angular stirrups "E", normally supplied in sufficient number according to dimensions of the guard. In order to avoid possible impediments on the anchorage surface, they can be placed in different positions and, should the supplied plates be more than one, it is necessary to position one in the connection point so that plates can be joined all together increasing stiffness.

4 - Position the safety guard in the identified area and proceed by marking the holes in the angular stirrups. Make holes $\varnothing 6,7$, then thread M8 with a depth suitable to screws TCEI 8x20 supplied.

5 - When the safety guard has been secured to the machine, check its stiffness and operation as well as the total absence of interference between mobile and fixed parts (Chap. 2).

6 - Now connect the electrical safety microswitch, by qualified and specialized personnel skilled on machine safety and according to regulations in force on electric field.

NOTE: the safety microswitch is "with separate actuator", commonly known as "key". It is not equipped with "electromagnetic release" and therefore it allows the manual opening of the safety guard in all situations. At this regard, arrange possible devices according to machine dangerousness. The microswitch has n. 2 NC contacts with slow click and forced opening of contacts.

7 - Once the safety guard has been assembled, check its mechanical and electrical working by verifying that opening of the guard shield must immediately causes the stop of the grindstone motor (s) and any additional devices. Its (their) restart must necessarily occur after having repositioned the safety guard and having successively actuated a proper control supplied at this aim (for ex. push-button). Therefore restart must in no way occur simply by closing the guard shield.

CLIENTE	PMU - SAFETY GUARDS FOR TOOL MACHINES			
DESCRIZIONE	SAFETY GUARD WITH SLIDING SHIELD FOR UNIVERSAL AND SURFACE GRINDER			
	MATERIALE	X		
	LAVORAZ. TRATTAM.	X		
COD. PRE 01/650	X			
			DATA	15/07/2011

DECLARATION OF CONFORMITY **CE**

Second Attachment IIC of 2006/42/EC

The manufacturer: **Tecno Più S.r.l.**
Via O. Respighi 56/6 – 47841 – Cattolica (RN) Italy

DECLARES ON HIS OWN AND EXCLUSIVE RESPONSIBILITY

That the safety components that do not enter into attachment iv of 2006/42/EC put onto the market separately and identified as:

Type: **PRE 01/650 - PRE 01/860 - PRE 01/S**

Safety function performed : Interlocked safety guard for universal and surface Grinders

Year of construction: 2011

Are in conformity with what is envisaged by the inherent Community directives:

- **2006/42/EC** relative to machines
- **2006/95/EC** relative to safety of the electric material

And have been, in addition, respected as far as the following harmonized regulations are applicable:

- **UNI EN 1088:2008:** Safety of the machinery - Interlocking devices associated with safety guards – Principles of design and choice.
 - **UNI EN 953:2009:** Safety of the machinery - safety guards - General Requisites for the design and construction of fixed and mobile safety guards.
 - **CEI EN 60947-5-1 e IEC 947-5-1:** Low voltage equipment.
- Devices for control circuits and maneuver elements - Electromechanical devices for control circuits.

CEI EN 60204-1: Safety of the machinery. Electric equipment of the machines.
Part 1: General rules.


Date: Cattolica

The legal representative

Tecno Più S.r.l.

Signature...  **Palazzi Giuseppe**



CLIENTE	PMU - SAFETY GUARDS FOR TOOL MACHINES			
DESCRIZIONE	SAFETY GUARD WITH SLIDING SHIELD FOR UNIVERSAL AND SURFACE GRINDER			
 PROTEZIONI ANTINFORNISTICHE E RIPARI PER MACCHINE UTENSILI Tecno Più	MATERIALE	X		
	LAVORAZ.	X		
	TRATTAM.	X		
COD. PRE 01/...	X		DATA	15/07/2011