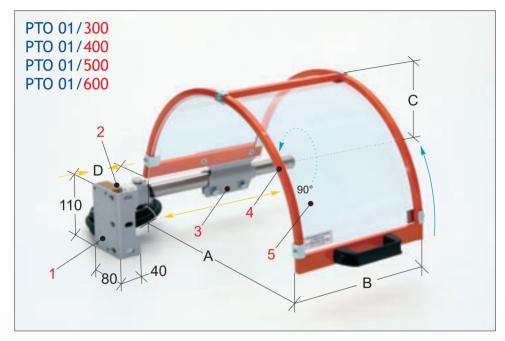


#### Safety guard for chuck Lathe

Classic safety guard equipped with steel-framed shield - The only one positionable until near the machine head - Available in various dimensions



Protects the operator from direct contact with the upper part of the chuck lathe and from lubricant-coolant projection.

Frontally and laterally attachable at the base - Equipped with semicircular shield, adjustable until near the machine head.

Complete with safety microswitch.

- 1 Frontal and lateral anchorage stirrup
- 2 Safety microswitch main box 90° rotation n.2 NC contacts
- 3 Shield connection clamp with support arm in pressed steel
- 4 Shield structure in tubular steel
- 5 Thermo-shaped shield in shockproof and oil-resistant plastic material

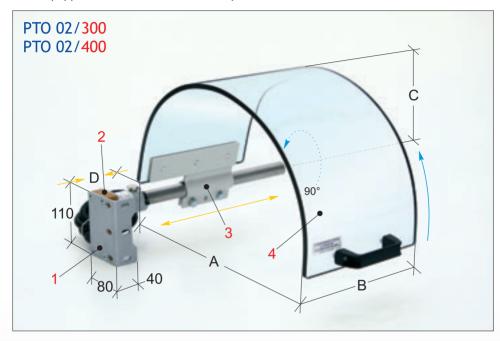


Code	Α	В	С	D
PTO 01/300	300	200	180	0-215
PTO 01/400	400	235	230	0-150
PTO 01/500	500	235	280	0-150
PTO 01/600	600	235	330	0-150



#### Safety guard for chuck Lathe

The shield shape makes it ideal to be positioned until near the machine head Equipped with monolithic shield in plastic material - Available in various dimensions



Protects the operator from direct contact with the upper part of the chuck lathe and from lubricant-coolant projection.

Frontally and laterally attachable at the base - Equipped with semicircular monolithic shield, adjustable until near the machine head.

Complete with safety microswitch.

- Frontal and lateral anchorage stirrup
- 2 Safety microswitch main box 90° rotation- n.2 NC contacts
- 3 Adjustable shield connection clamp with support arm in pressed steel
- 4 Monolithic shield in thick plastic shockproof and oil-resistant material

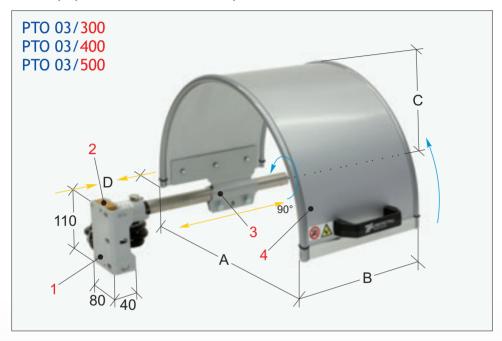
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Code	Α	В	С	D
PTO 02/300	300	200	200	0-200
PTO 02/400	400	220	250	0-190



#### Safety guard for chuck Lathe

The shield shape makes it ideal to be positioned until near the machine head - Equipped with "opaque" monolithic shield in composite material - Available in various dimensions



Protects the operator from direct contact with the upper part of the chuck lathe and from lubricant-coolant projection.

Frontally and laterally attachable at the base - Equipped with semicircular monolithic shield, adjustable until near the machine head.

Complete with safety microswitch.

- 1 Frontal and lateral anchorage stirrup
- 2 Safety microswitch main box 90° rotation- n.2 NC contacts
- 3 Adjustable shield connection clamp with support arm in pressed steel
- 4 Monolithic shield in "opaque" composite material: <u>aluminium hd polyethylene aluminium</u>

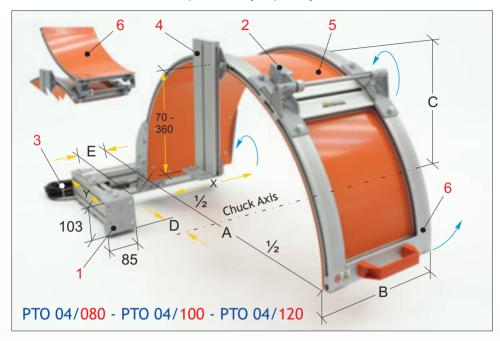


Code	Α	В	С	D
PTO 03/300	300	200	200	0-200
PTO 03/400	400	220	250	0-190
PTO 03/500	500	240	300	0-180



# Safety guard for big chuck Lathe

Remarkably strong item, designed for chuck lathes up to Ø 1000 mm - Equipped with shield which can be opened totally or partially - Available in various dimensions



Prevents the operator from direct contact with rotating chuck lathe and helps in containing the lubricant-coolant and the working swarfs.

The strong support structure (point 1), fully "X - Y" adjustable, allows easy anchoring on the rear side of the machine and, if necessary, also on the front.

Equipped with semicircular shield, divided into two sections to allow opening of only the front side (point 6) or total opening, overturning it completely towards the back. Complete with double safety microswitch.

- 1 Anchorage and support structure of the shield, adjustable in the X Y axes
- 2-3 Safety microswitches of the two shield opening systems n.2 NC contacts
- 4 Adjustable structure to support the shield on the lathe head
- 5 Shield made of aluminium sheet and profiles, completely overturnable on the back or lockable through a special system of its rotation axis.
- 6 Front section of the shield designed for frequent openings during working operations

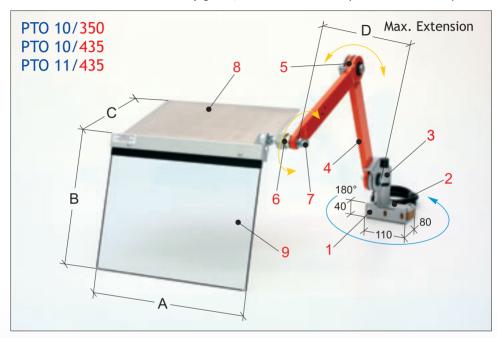


Code	Α	В	C	D	E
PTO 04/080	800	300	400	165-375	5-120
PTO 04/100	1000	350	500	265-475	5-70
PTO 04/120	1200	350	600	365-575	5-70



#### Lathe carriage safety guard

Specific multi-adjustable item, to be installed on the longitudinal carriage Combined with the chuck safety guard, allows an excellent protection of the operator



Protects the operator from direct contact with rotating components of the chuck and from the projection of shavings and lubricant-coolant.

Attachable behind the longitudinal carriage - The shield, supported by articulated arms thanks to the ball socket joint, is completely adjustable and has an anti-shavings partition.

Complete with safety microswitch.

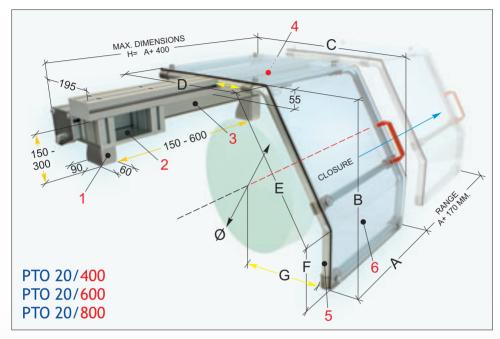
- Note: Item PTO 11/435 has an articulated arm with three elements.
- Available accessories: PMG 60/185 PBA 01/190 PBA 01/325 PBA 02/325

		Code	Α	В	С	D
1 2 3	Frontal and lateral anchorage stirrup Safety microswitch main box - 180° rotation - n.2 NC contacts Horizontal adjustment clamp	PTO 10/350 PTO 10/435 PTO 11/435	350 400 400	300 350 350	280 310 310	550 550 800
4 5 6 7	Articulated arms in tubular steel Rubbing articulation with friction disc Ball and socket joint for shield orientation Ball and socket joint release screws Upper anti-shavings partition - in aluminium				7 8	3,
8 9	Shield in shockproof and oil resistant plastic mat	terial		Z	11	



### Sliding safety guard for Lathe

Particularly solid and functional item, designed for the secure protection of the operator from moving parts of the lathe - To be fixed on the machine head



Protects the operator from direct contact with rotating components of the chuck and from the projection of shavings and lubricant-coolant.

Attachable on the machine head, equipped with wide "visibility" sliding shield, with various adjustments for an easy adaptation to all machines - Available in three sizes, up to a Ø chuck of 800-900 mm - Complete with safety microswitch.

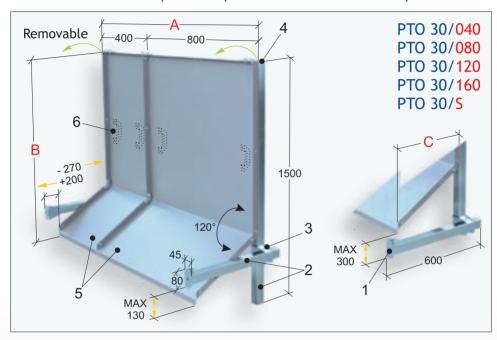
- 1 Anchorage stirrup with wide vertical adjustment
- 2 Sliding mobile protection support carriage
- 3 Auto-carrying guide in extruded aluminium, with sliding system composed from tempered and rectified steel guides-bearings, placed in protected internal position
- 4 Safety microswitch with separated actuator n.2 NC contacts
- 5 Shield structure in tubular steel and aluminium
- 6 Shield in shockproof and oil-resistant plastic material, of great thickness

Code	Ø	Α	В	С	D	Е	F	G
PTO 20/400	400-500	450	430	655	480	350	125	280-540
PTO 20/600	600-700	450	520	855	640	430	150	320-740
PTO 20/800	800-900	450	640	1065	800	530	180	370-950



### Rear safety guard for Lathe

Modular system for rear protection and for shavings containment Made of rapid release panels - To be fixed on the lower part of the base



Protects operators from direct contact with moving parts accessible from the rear side and from the projection of shavings and lubricant-coolant.

Attachable at the base by a system of adjustable "cross" arms. Made from strong modular panels, removable by "rapid release".

- 1 Angular anchorage stirrup
- 2 Adjustable "cross" support arms in tubular steel
- 3 "Cross" clamp in pressed steel
- 4 Rapid release system of panels from vertical tubes
- Modular panels in sheet steel
  Rear manoeuvre handles

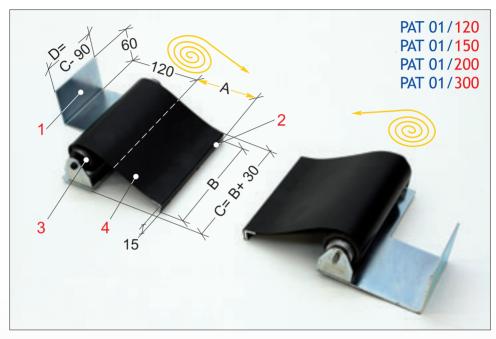
Code	Α	В	С
PTO 30/040	400	1200	350
PTO 30/080	800	1200	350
PTO 30/120	1200 = 400+800	1200	350
PTO 30/160	1600 = 800+800	1200	350
PTO 30/S	••••		





## Roll-up safety guard for Lathe advancing bars

Made from two units of self-roll up rolls, with tear and oil-resistant thread Designed for protecting the operator from the machine advancing bars



Item created for the frontal "segregation" of the lathe mother screw and the advancing bars. Protects the operator from direct contact with moving parts and avoids the possibility of "snagging" of work garments - Made from two units to fix to the two extremities of the longitudinal carriage, equipped with a particular self-sliding roll, operated from the inside by multiple springs - The protective ribbon is made of spread textile material and is resistant to coolants and abrasions - Each unit is purposely designed for its side of the carriage and is equipped with appropriate anchorage stirrups - During movement of the longitudinal carriage, the two units self- roll and unroll, constantly "segregating" the lathe mother screw and the advancing bars.

- Note: the extremity, equipped with the sliding roll, must be fixed onto the base side.

- 1 Base-side angular anchorage stirrups in pressed steel
- 2 Carriage-side angular anchorage stirrups in aluminium
- 3 Self-sliding roll in steel and aluminium
  - Protective ribbon in spread technical thread

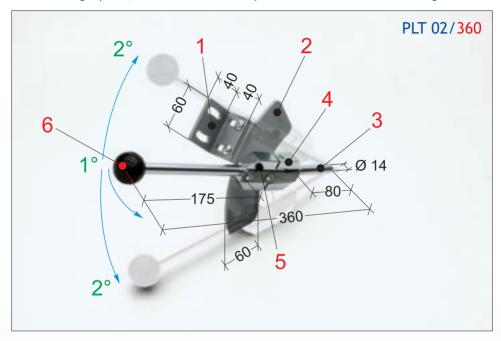


Code	Α	В
PAT 01/120	1200	150
PAT 01/150	1500	200
PAT 01/200	2000	200
PAT 01/300	3000	250



#### Lathe safety Lever

Double-movement universal device, for the insertion of chuck rotation - Provided in a single piece, to be installed as a replacement for one of the two original levers



Allows the activation of chuck rotation, performing a forced "double movement" manoeuvre. Suitable for installation on machines with one or two levers.

Provided in a single piece, to replace only one of the two original machine levers, normally identified as the most frequently used one, while the original remaining lever remains operational only for disconnection.

Equipped with universal levelling plate where a hole must be made that corresponds to the central "neutral" position - In this way, the safety bolt on the joint enters into the hole which in turn, in case of involuntary activation, sets the lever locking.

Activation of the chuck rotation occurs by performing in sequence: movement  $1^{\circ}$  and subsequently movement  $2^{\circ}$  - Disconnection occurs by directly performing movement  $2^{\circ}$  until the introduction of the safety bolt into the locking hole.

- 1 Adjustable angular anchorage stirrup in pressed steel
- 2 Levelling plate, to insert the locking pivot in pressed steel
- 3 Shaft to be inserted in the original joint of the chuck bar in steel
- 4 Joint equipped with safety pivot and recall spring in steel
- 5 Adjustable safety bolt
- 6 Manoeuvre lever equipped with round knob

