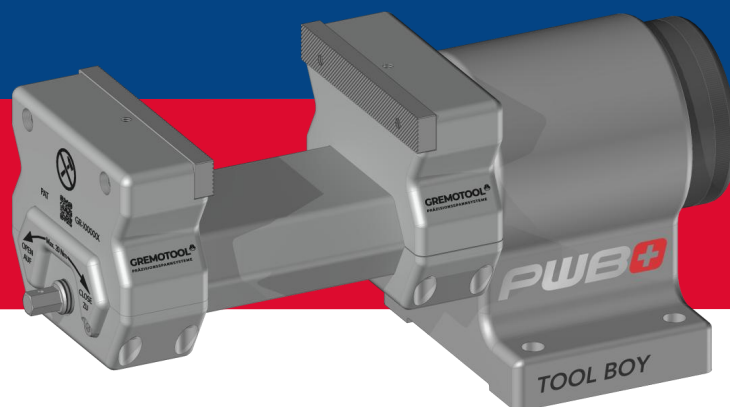


Multifunction vice
Tool Boy / PAT





Overview

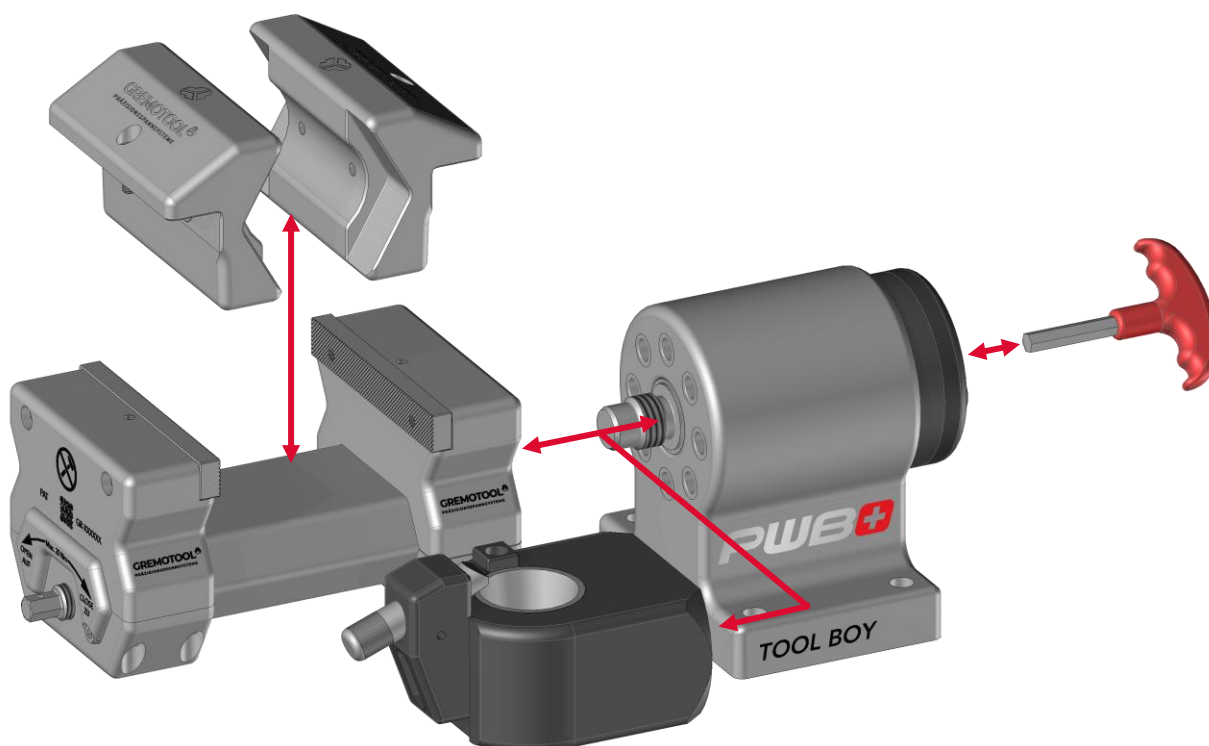
Tool Boy

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Product presentation

Tool Boy

The machining tool assembly aid from pwb is the best-selling worldwide. Only the original offers the flexibility and safety that must be present at every machining workstation. The simple and clear handling leaves nothing to be desired during assembly, even in a tilted position.



Product presentation

Benefits Tool Boy

Adapter change

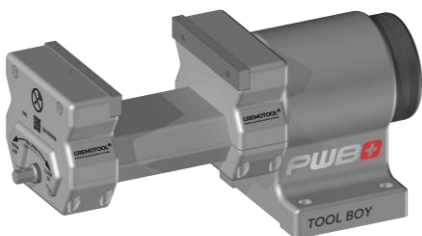
The adapters can be replaced as required. To do this, the shaft is driven in the middle with an Allen key and the adapter is unscrewed. The correct adapter is then refitted to the Toolboy. The adapters can be changed quickly and the Toolboy can be used for various machining tool holders.

Tilting

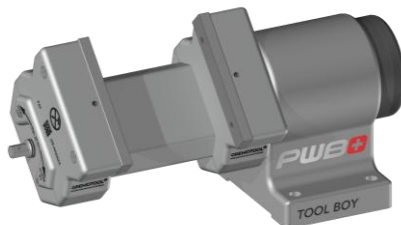
Access to some screws on the tools is not visible from above or is restricted. The Toolboy can therefore be tilted for ergonomic mounting of the machining tools. Modifications to the machining tool holder from below can also be carried out from above. Inserting a coolant pipe into a mounted HSK machining tool is possible with the Toolboy and its tilting function without any danger or problems.

Clamping tools

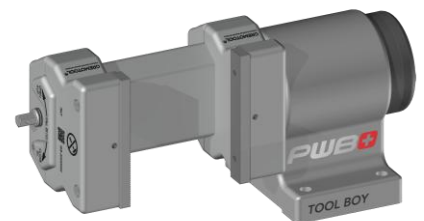
The tool holders are fixed in place by clamping the machining tool holders. When tilting, mounting and fastening screws, they are thus secured against unwanted movements. This also prevents the machining tool holders from falling onto the floor and damaging the cutting edges.



0° tilted on base module



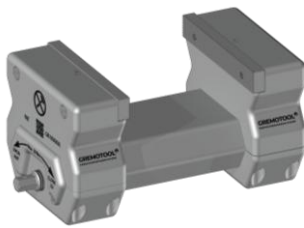
+/-45° tilted on base module



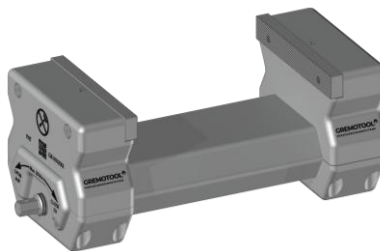
+/-90° tilted on base module

Product overview

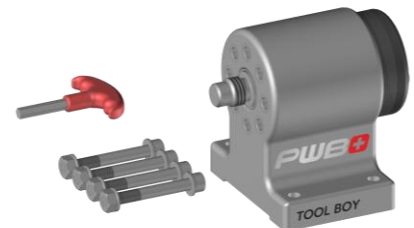
Modules



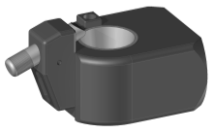
PAT-100



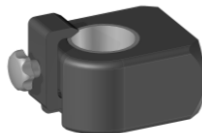
PAT-150



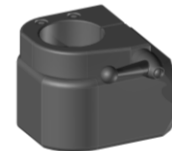
Toolboy base module



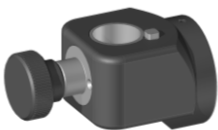
Toolboy SK-module



Toolboy HSK-module



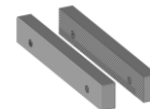
Toolboy Capto-module



Toolboy VDI-module



PAT prism jaws



PAT spare jaws



PAT accessories

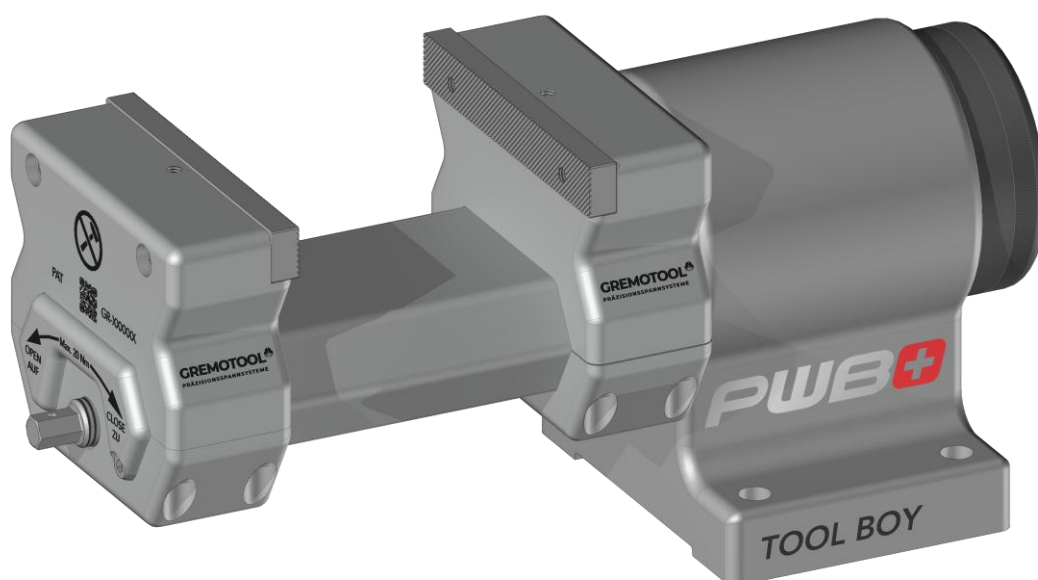
Height adjustment (Autumn 2025)

Product overview

PAT-100-module

PAT-100-module

The PAT-100 module for the Toolboy base module is a vice for general use. The lightweight PAT module can be attached to the base module with one hand. By tilting the PAT module, even hard-to-reach places on the clamped workpiece can be reached. The PAT-100 can also be used for metal-cutting applications, as the spindle is covered by the guide piece. The jaw inserts are made of steel and can be supplemented with standard protective jaws with magnets or clamping springs.

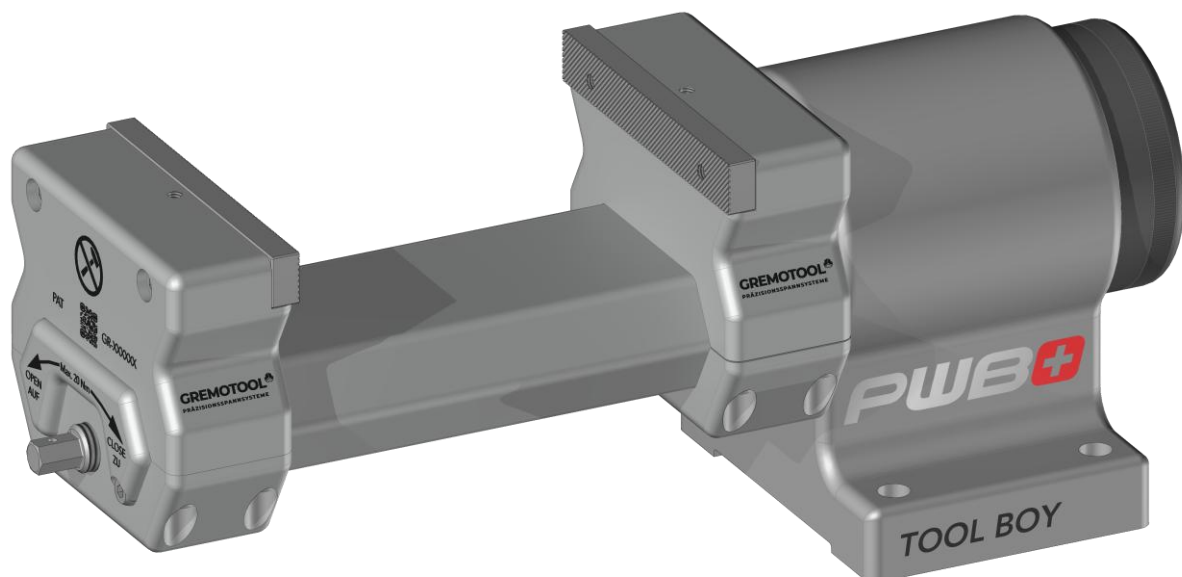


Product overview

PAT-150-module

PAT-150-module

The PAT-150 module for the Toolboy base module is a vice for general use. The lightweight PAT module can be attached to the base module with one hand. By tilting the PAT module, even hard-to-reach places on the clamped workpiece can be reached. The PAT-150 can also be used for metal-cutting applications, as the spindle is covered by the guide piece. The jaw inserts are made of steel and can be supplemented with standard protective jaws with magnets or clamping springs.

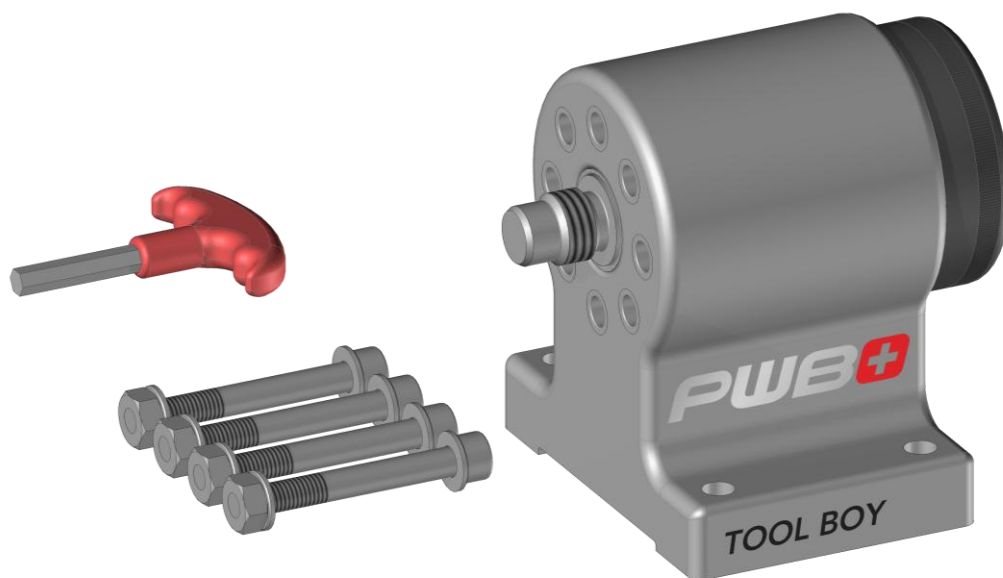


Product overview

Toolboy base module

Toolboy base module

The Toolboy basic module lays the foundation for a flexible workstation on NC machines. The base module is used to hold the various tool holder and PAT vice modules. As all modules have the same interface, they can all be tilted on the base module in 45° steps. With its simple handling, this helper with the various modules, especially the PAT modules, is a useful addition to any workplace.

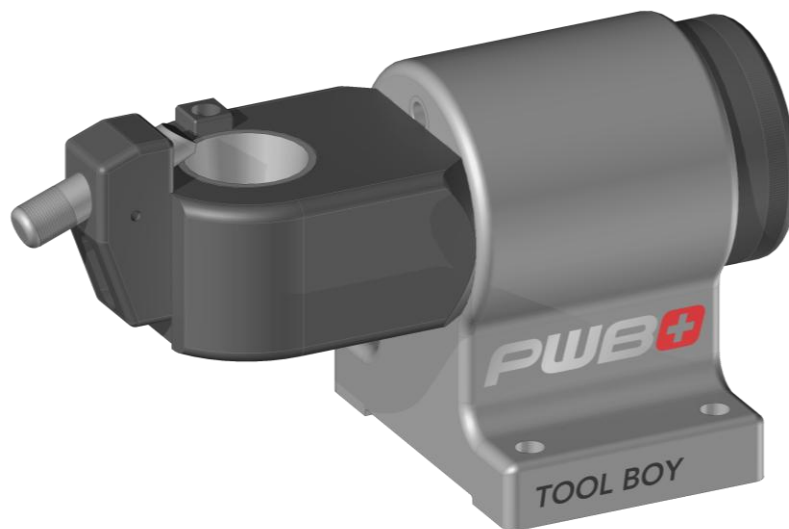


Product overview

Toolboy SK-modules

Toolboy SK-modules

The Morse taper is a standardised form of tool taper for clamping various tools in the machining spindle of machine tools. The Toolboy SK module is used to mount these safely and ergonomically. It does not matter whether the retention knob or the tool is to be mounted in the tool holder. The locking pin ensures that the tool holder remains firmly in place in the Toolboy SK module even when tilting. Additional Morse taper tool holders can also be clamped in the Toolboy SK module.



Available:

Designation	SK (ISO 7388-1 / DIN 69871)	BT (ISO 7388-2 / JIS B 6339)	CAT (ASME B5.50 / ANSI B5.50)	NT (DIN 2080)
Toolboy SK-25 module	SK-25			
Toolboy SK-30 module	SK-30	BT-30	CAT-30	NT-30
Toolboy SK-35 module	SK-35		CAT-35	
Toolboy SK-40 module	SK-40	BT-40	CAT-40	NT-40
Toolboy SK-45 module	SK-45	BT-45	CAT-45	
Toolboy SK-50 module	SK-50	BT-50	CAT-50	NT-50

Product overview

Toolboy HSK-modules

Toolboy HSK-modules

There are different versions of the HSK tool holders, which are defined by the same standard. These differ in the design of several features such as: groove at the end of the taper, slots for sliding block on the outer diameter and the tool gripper groove. The standard Toolboy HSK module supports holders A/C/T, modules for holders with B/D/E/F can be requested from Gremotool. By tilting the Toolboy HSK module, the coolant pipe can be mounted ergonomically and safely in the HSK holder.



Available:

Designation	HSK-A (ISO 12164-1 / DIN 69893-1)	HSK-C (ISO 12164-1 / DIN 69893-3)	HSK-T (ISO 12164-3)
Toolboy HSK-A25 module	HSK-A25		
Toolboy HSK-A32 module	HSK-A32	HSK-C32	HSK-T32
Toolboy HSK-A40 module	HSK-A40	HSK-C40	HSK-T40
Toolboy HSK-A50 module	HSK-A50	HSK-C50	HSK-T50
Toolboy HSK-A63 module	HSK-A63	HSK-C63	HSK-T63
Toolboy HSK-A80 module	HSK-A80	HSK-C80	HSK-T80
Toolboy HSK-A100 module	HSK-A100	HSK-C100	HSK-T100

Product overview

Toolboy Capto-modules

Toolboy Capto-modules

The Capto tool holders do not have a round cone, but a polygonal one. Alignment and centring of the tool holder are ensured by the polygon. This guides large torques from the cutting edge to the tool spindle without grooves. These tool holders are suitable for milling, drilling and turning. They can be used with the automatic tool changer of CNC machines. By tilting the Toolboy Capto module, screws that are otherwise difficult to access from the side can be fastened ergonomically.



Available:

Designation	PSK (ISO 26623-1)	Capto (ISO 26623-1)
Toolboy C3 module	PSK-32	C3
Toolboy C4 module	PSK-40	C4
Toolboy C5 module	PSK-50	C5
Toolboy C6 module	PSK-63	C6
Toolboy C8 module	PSK-80	C8
Toolboy C10 module	PSK-100	C10

Product overview

Toolboy VDI-modules

Toolboy VDI-modules

The VDI holder got its name from the Association of German Engineers (VDI), which defined this interface for lathes under the technical rule VDI 3425. The design of the shank ensures that the alignment of the tool points in the correct direction and is secured with the teeth in the tool holder. This serves as an interface between the various tool holders of the turning tools and the lathes.



Available:

Designation	VDI (ISO 10889-1 / DIN 69880)
Toolboy VDI-16 module	VDI-16
Toolboy VDI-20 module	VDI-20
Toolboy VDI-25 module	VDI-25
Toolboy VDI-30 module	VDI-30
Toolboy VDI-40 module	VDI-40
Toolboy VDI-50 module	VDI-50

Product overview

PAT prism jaw

PAT prism jaw

The prism jaws have a 120° prism on both sides. This can be used to securely clamp round workpieces. Tool holders can also be accommodated thanks to the round recess in the centre.

The prism jaws can be attached directly to the serrated jaws of the PAT using the integrated magnets. It is also possible to fix them with an additional screw from above. The screws are included with the jaw set.



SK / BT	30
---------	----

SK / BT	40
---------	----

SK / BT	50
---------	----

HSK	63
-----	----

HSK	80
-----	----

HSK	100
-----	-----

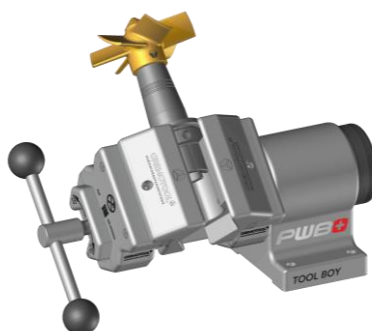
Capto	C6
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Capto	C8
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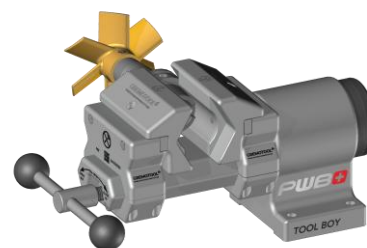
Capto	C10
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+/-90° tilted on base module



+/-45° tilted on base module



0° tilted on base module



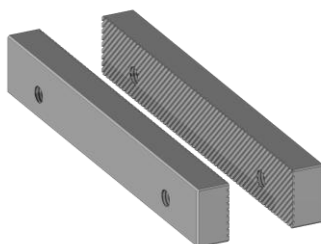
Product overview

PAT accessories

PAT jaws

The hard chequered jaws used as standard can wear out over time. These can be obtained from us as a spare part in pairs.

The hard chequered jaws can cause damage to some workpieces. Various protective jaws made of plastic, felt, rubber or aluminium can therefore be purchased as contact materials. These are attached to the hard chequered jaws using magnets.



Available:

Designation	Sales unit
Hard chequered jaws	Pair
Plastic jaws with prisms	Pair
Plastic jaws with serration	Pair
Aluminium jaws with prisms	Pair
Aluminium jaws smooth	Pair
Aluminium jaws with Felt	Pair
Aluminium jaws with rubber	Pair

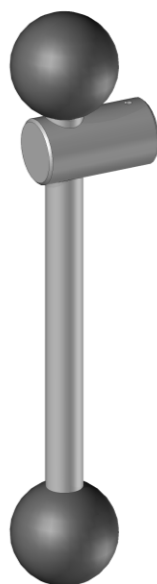
Product overview

PAT accessories

PAT accessories

To operate the PAT module without a hexagon spanner or nut, we offer a crank handle. This can be firmly connected to the PAT with a pin.

The cross-handle pin spanner with a wrench size of 8 mm is used to assemble and disassemble the various Toolboy modules. The SW 8 pin spanner is included with the Toolboy base module.



Available:

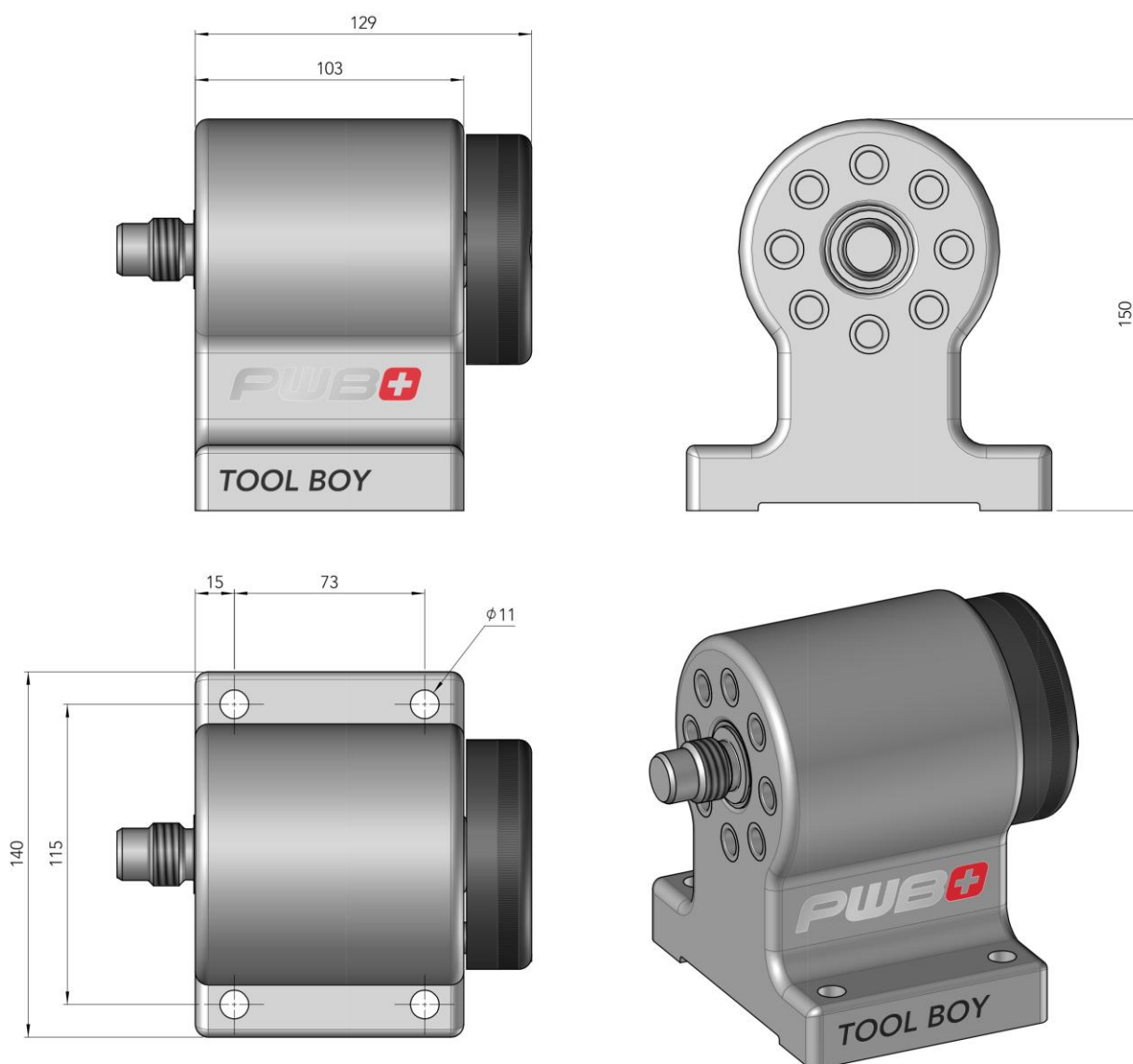
Designation

PAT crank handle

PAT cross-handle pin spanner SW 8

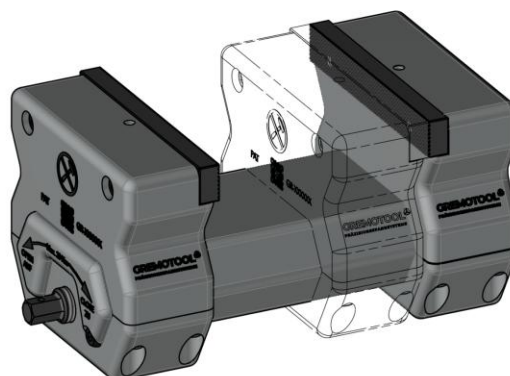
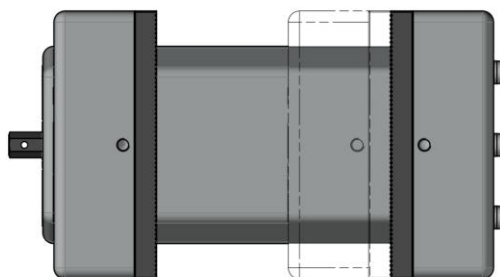
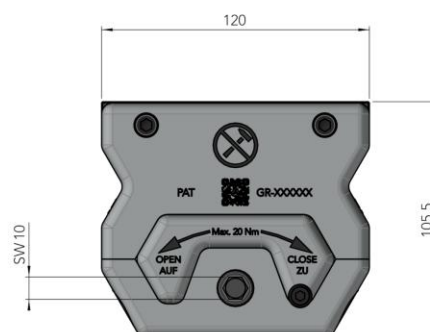
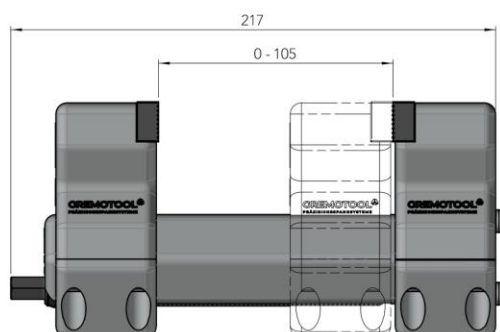
Dimensions

Toolboy base module



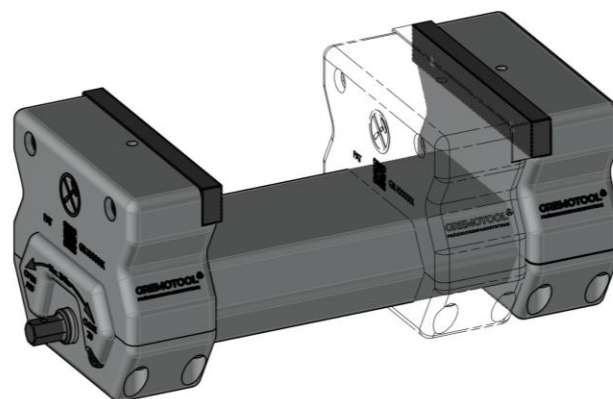
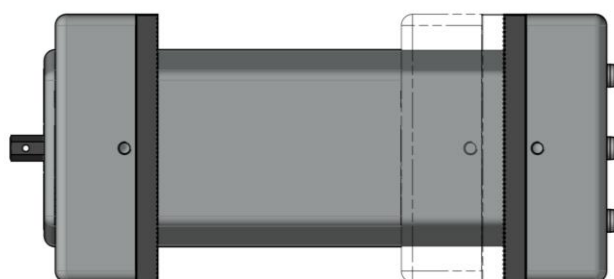
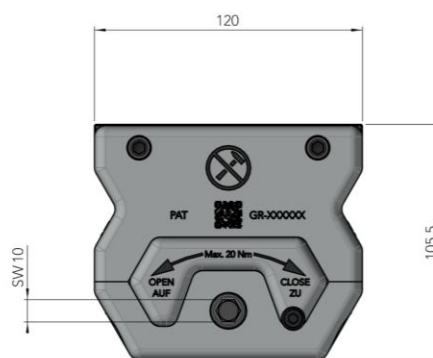
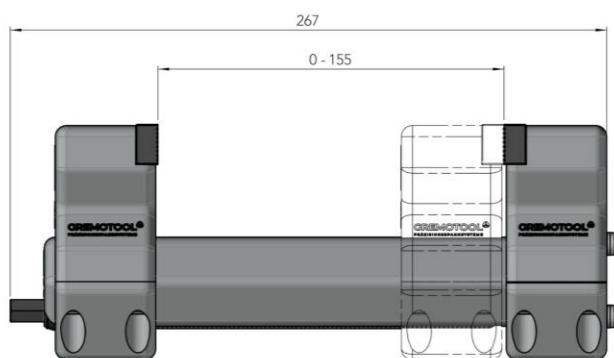
Dimensions

PAT-100 module



Dimensions

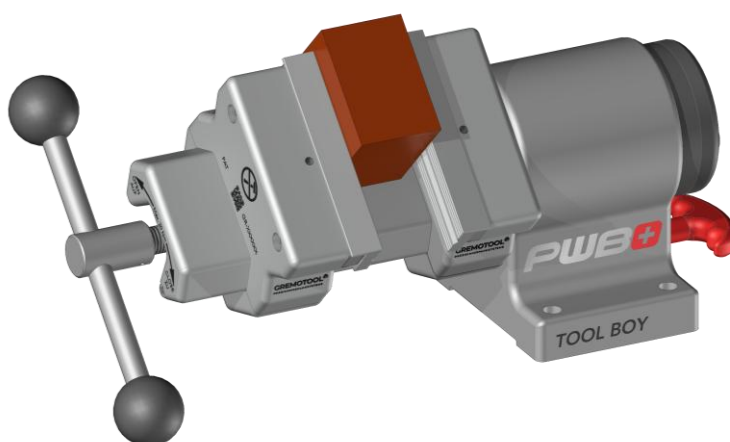
PAT-150 module



Application

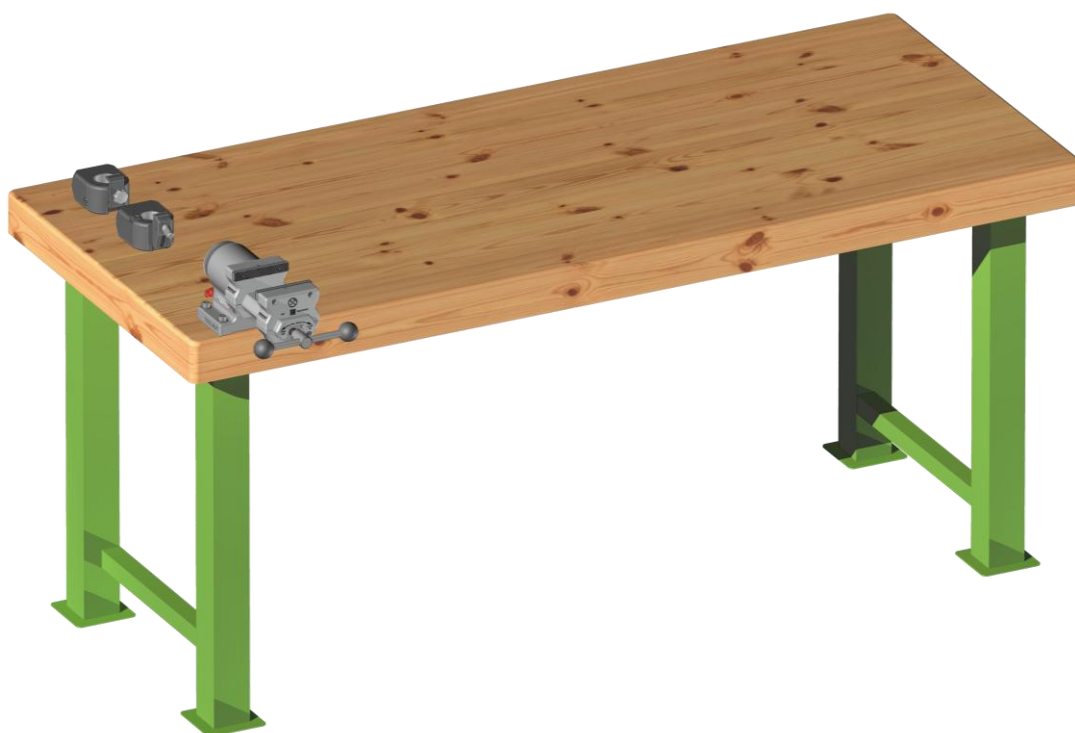
PAT-Module

The two modules PAT-100 and PAT-150 for the Toolboy can be exchanged with other modules on the Toolboy in no time at all. Thanks to the high flexibility of the inserts and the alignment options, the workpieces can be placed in any required position. This further improves ergonomics at the workplace.



Fixture

PAT-100 with workpiece for chamfering



Workshop equipment

Workbench with PAT-100 and two tool holders



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