

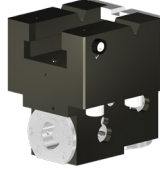
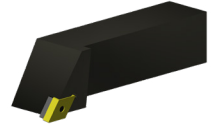
TOOL HOLDERS FOR **BASICTURN**



RAM
200 x 240 mm



STRAIGHT TOOL HOLDER
for quadratic knife



TOOL HOLDER
for turning tool Capto



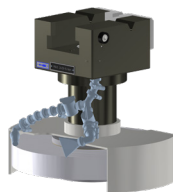
BORING BAR
for quadratic knife
and turning tool



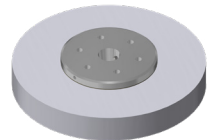
STRAIGHT HEAD
for rotary tools



ANGLE HEAD
for rotary tools



GRINDING SPINDLE



ADJUSTABLE ANGLE HEAD
for rotary tools



TOOL HOLDER EXCHANGE

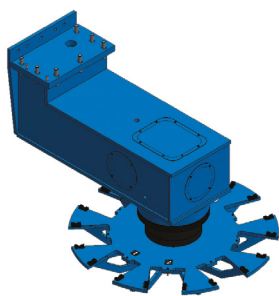
The video shows automatic exchange of the tool holder into the ram. First tool holder is unclamped from the ram and placed into the magazine. Second tool holder is clamped into the ram after automatic rotation of the disc magazine. Ram moves into the working space. The door are automatically closed to protect the magazine space from the chips and coolant liquid.



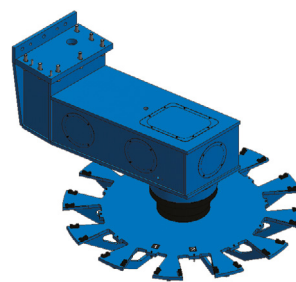
DESCRIPTION

- Machine is equipped with automatic exchange of the tool holders and heads into the ram. The rigid connection between the ram and the tool holders or heads is provided by T-shape clamping head with permanent clamping force 150 000 N. The exact repeatability of the tool holders and heads is given by the V-slot and positioning pins.
- Modular tools are exchanged into the tool holders and heads manually. Wide range of the tools can be applied: Capto C6 and C8, square knives, ISO 50, Solidfix S4 and Morse 3.
- The tool holders and heads are stored in the tool magazine which is situated on the right side of the machine. It includes 9 or 12 places for tool holders and heads. Tool magazine can rotate in both directions by the shortest path. The tool magazine space is protected against chips and coolant by automatically operated doors.
- Tool holders and heads are equipped with either internal or external cooling system depending on the type of tool holder or head.

TOOL MAGAZINES

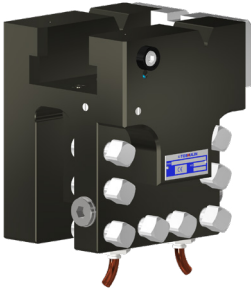


DISC TOOL MAGAZINE WITH 9 PLACES



DISC TOOL MAGAZINE WITH 12 PLACES

TOOL HOLDERS

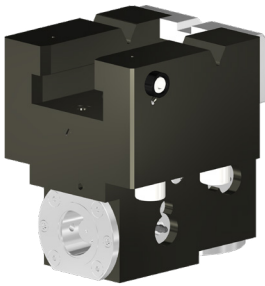
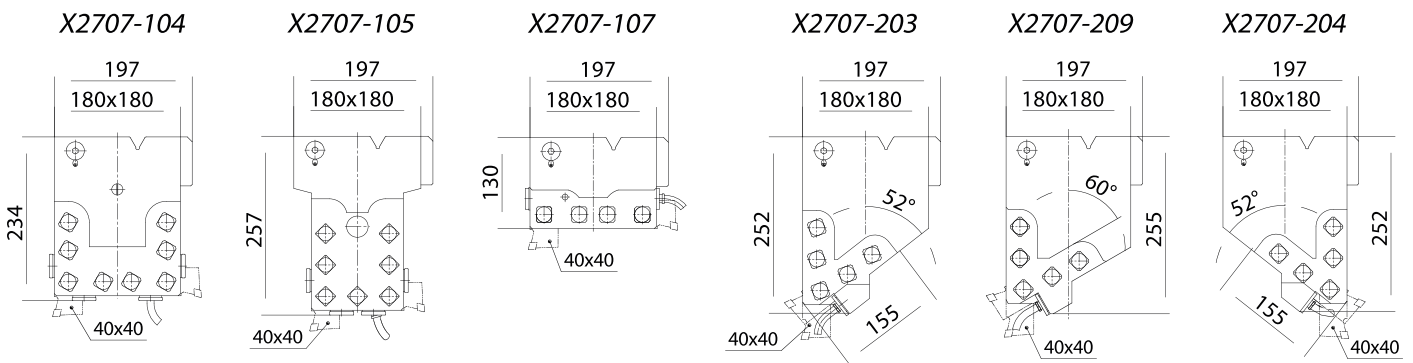


TOOL HOLDERS FOR SQUARE KNIVES

The tool holders are designed for one or more turning square knives with a maximum cross section of 40 x 40 mm positioned in vertical, horizontal or angled direction, depending on the type of tool holder. The turning knives are clamped into the tool holder manually.

The tool holders are automatically clamped into the ram by means of the T-profile clamping head and are automatically deposited into the disc magazine.

The coolant is led through the tool holder body to one or more ball nozzles depending on the type of tool holder. The direction of the ball nozzles can be adjusted. The individual coolant circuits can be switched by means of a valve on the tool holder body.

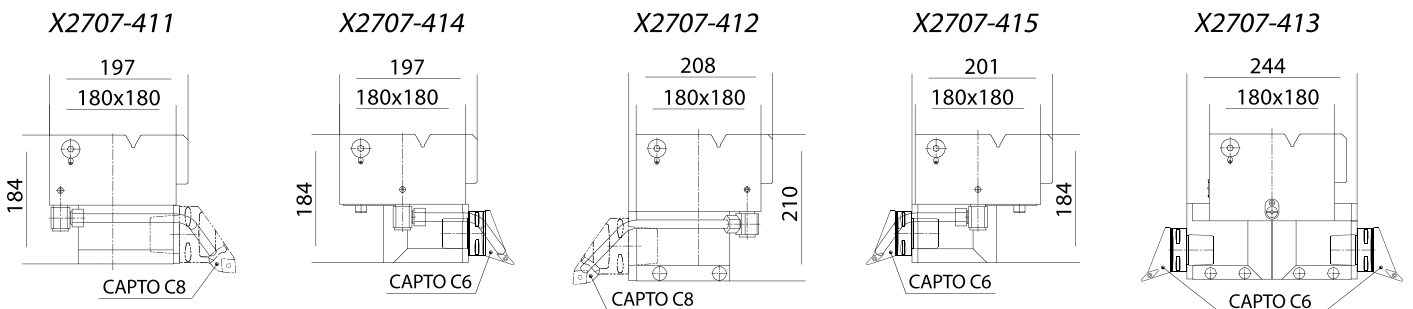


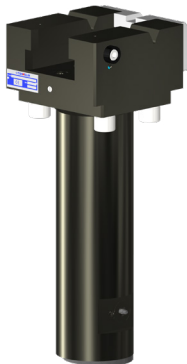
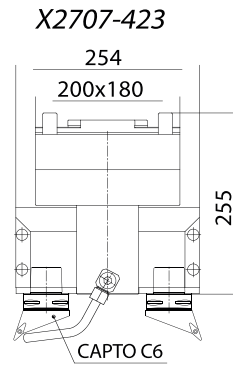
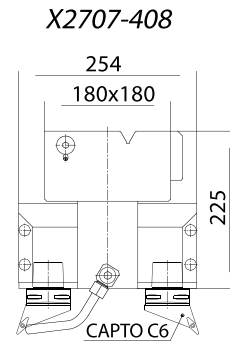
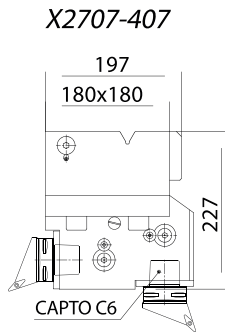
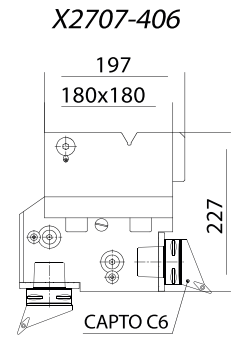
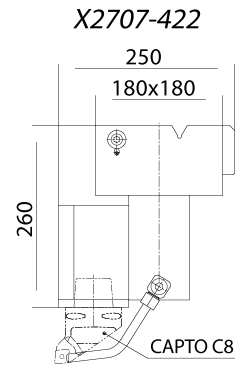
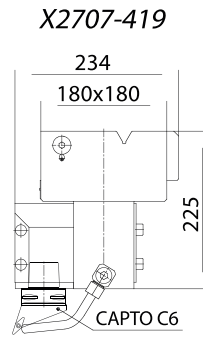
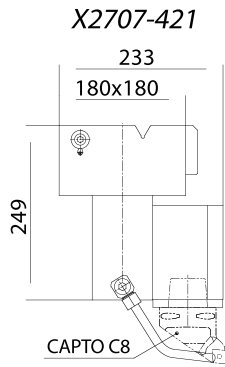
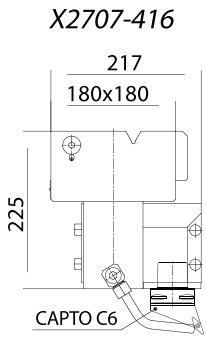
TOOL HOLDERS FOR TURNING TOOLS CAPTO

The tool holders are designed for one or more turning tools with Capto C6 or Capto C8 interface in vertical or horizontal direction depending on the type of holder. The turning tools are clamped manually into the tool holder.

The tool holders are automatically clamped into the ram by means of the T-profile clamping head and are automatically deposited into the disc magazine.

The coolant is led through the tool holder body into the pipe on the side of the holder or through the turning tool center to the cutting insert. The shape and direction of the outer pipe can be adjusted.



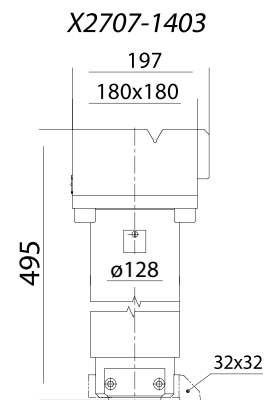
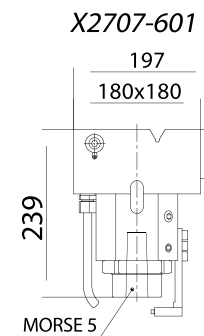
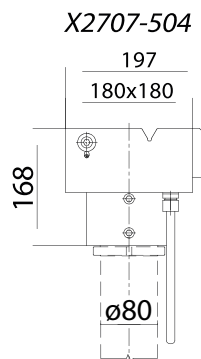
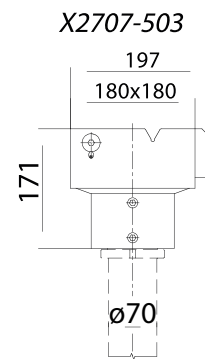
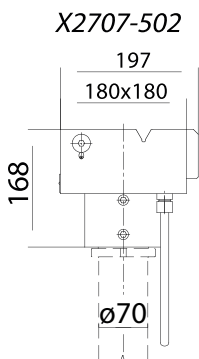


BORING TOOLS HOLDERS

The boring bar holders are designed for manual clamping of boring bars or turning square knives.

The boring bar holders are automatically clamped into the ram by the T-profile clamping head and are automatically deposited into the disc magazine.

Coolant is led through the boring bar holder body into the center of the boring bar.





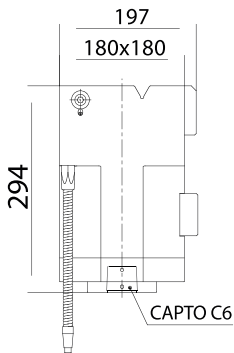
ROTARY TOOL HOLDERS

The rotary tool holders are designed for tools with Capto C6, Capto C8, ISO 50, or Morse 4 interface depending on the type of rotary tool holder. The rotary tools are clamped manually into the rotary tool holder.

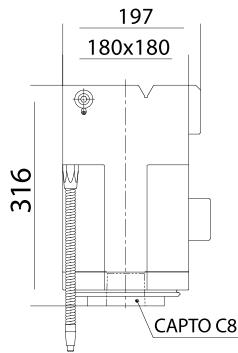
The rotary tool holders are automatically clamped into the ram by means of the T-profile clamping head and are automatically deposited into the disc magazine.

The holders are equipped with a central cooling supply for rotary tools and the coolant is also led through the rotary tool holder body into an adjustable hose on the side of the holder. The shape and direction of the hose can be adjusted.

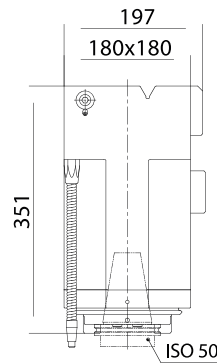
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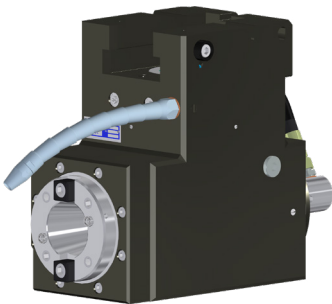
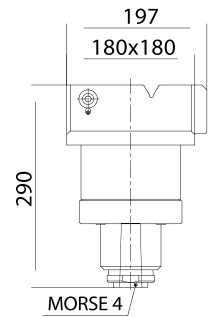
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X2707-5506



X2707-5508



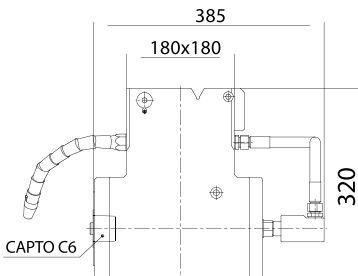
ANGLE HEADS

Angle heads are designed for rotary tools with Capto C6, Capto C8, or ISO 50 interface depending on the type of angle head. Rotary tools are clamped manually into the head. Angle heads for ISO 50 tools are available in left- or right-hand versions.

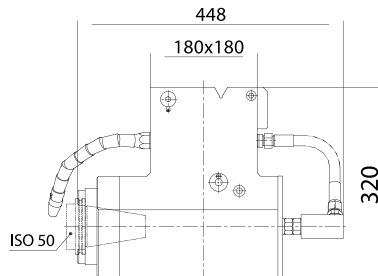
The angle heads are automatically clamped into the ram by means of the T-profile clamping head and are automatically deposited into the disc magazine.

The heads are equipped with a central cooling supply for the rotary tool and the coolant is also led through the head body into the segmented pipe on the side of the head. The shape and direction of the pipe can be adjusted. Two valves on the head body can be used to select between the center or outer coolant circuit, or to open both circuits simultaneously, and can also be used to regulate the coolant flow.

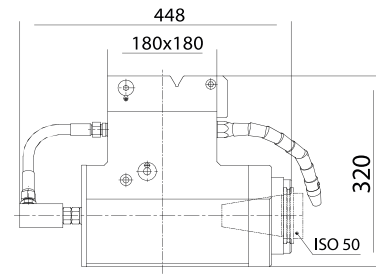
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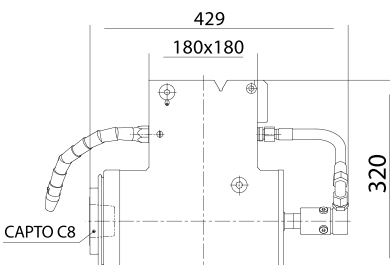
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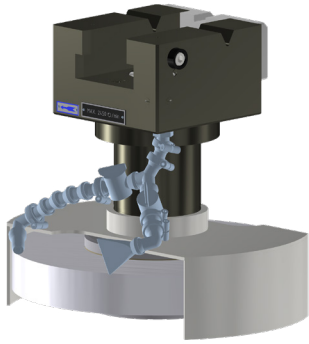


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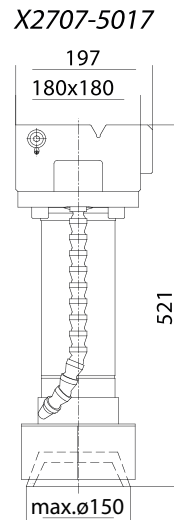
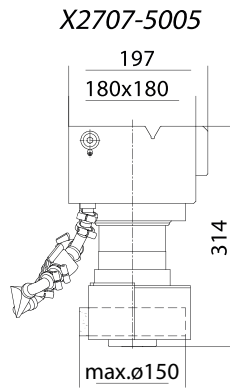
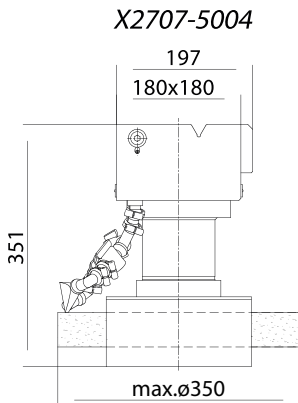


GRINDING SPINDLES

Grinding spindles are used for clamping grinding wheels of diameter 150 - 350 mm according to the type of grinding spindle.

The grinding spindles are automatically clamped into the ram by means of the T-profile clamping head and are automatically deposited into the disc magazine.

Coolant is led through the grinding spindle body into the segmented pipe. The shape and direction of the pipe can be adjusted.

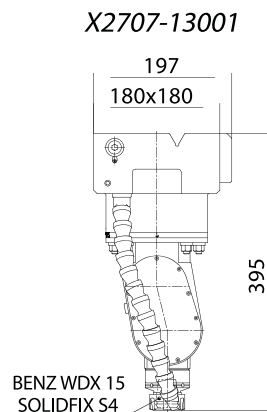
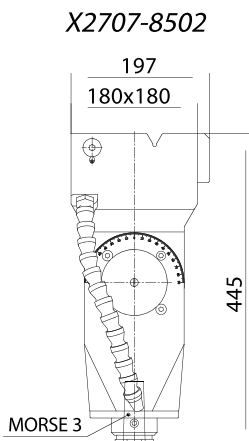


ADJUSTABLE ANGLE HEADS

The adjustable angle heads are used for clamping rotary tools with Morse 5 or Solidfix S4 interface depending on the type of head. The tools are clamped manually into the head. The heads are designed for drilling, milling, tapping or countersinking at an angle. The angle of the spindle is adjusted manually.

The adjustable angle heads are automatically clamped into the ram by means of the T-profile clamping head and are automatically deposited into the disc magazine.

Coolant is led through the head body into the segmented pipe on the side of the head. The shape and direction of the pipe can be adjusted.





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