

Why Waste Money on Broken Turning Toolholders and Costly tool Spares

MECHMATRIX offers CERATIZIT Range of Superior Toolholders for CNC Turning Lathes.

Explore and Experience the advantages of the MAXILOCK toolholders for Cutting Machining Costs and Increasing your Manufacturing Profits.

TOOLHOLDING made EASY on new Generation CNC Turning Lathes for your Benefit ...

MaxiLock D

Reliability combined with precise positioning and time saving!



MaxiLock D - Application Advantages

- > Secure clamping of the insert also under tension (e.g. copy turning)
- > No tilting of the insert towards the front during heavy or interrupted cuts
- > Enables Maximum feed rates while Cutting.
- > Suitable also for inserts made of various hard materials such as ceramic, CBN or PCD.

MaxiLock D - product features

- Robust top clamp for safe positioning of the insert in the insert seat
- Claw, spring and clamping screw (clamping element) = ONE SPARE
- 'All inclusive' concept with integrated spare shim and screw
- Clamping key integrated in the shank to reduce Storage volume
- Reinforced shim, clamped with screw
- Torx Plus® system. Torque is transmitted better for safer clamping
- Optimised insert seat so that precise insert positioning and clamping is possible despite **adhesion and wear**.

Product features - Characteristics

Precise positioning is guaranteed!

When clamping the insert it is drawn to the contact faces and the location face at the same time. Even inserts with excessive wear and material adhesion can be positioned and clamped precisely thanks to the design of the insert seat.

'All inclusive'

A crash can always happen. The spare shim integrated in the shank will save you the journey to tool storage. The spare part is at hand and can easily be applied at the machine or presetting procedure.

Perfect positioning

Tilting of the insert towards the front, a well-known weak point of the lever lock system during heavy cutting operations is avoided.

Easy handling - limited number of spare parts

Clamping element with intact constituent parts. As the constituent parts remain intact, even in unfavourable application conditions clamping is no problem.

Secure chip evacuation

The integrated coolant nozzle provides safe cooling and chip evacuation for internal machining.

This is only applicable to boring bars for W ... inserts.

Long service life of the clamping screw

The Torx Plus® system provides better transmission of torque moments than Torx® standard tools. The considerably larger contact face guarantees longer service life of both the tool and the screw.

MaxiLock D

❏ MaxiLock D

- First choice for cutting with negative inserts with hole.
- Safe and precise positioning of the insert through double clamping effect.



Cutting depth 0.3 - 150 mm
Feed rate 0.08 - 1.5 mm

Insert form



MAXI LOCK S

❏ MaxiLock S

- The form lock screw guarantees a safe connection of the insert and the tool holder.
- Chip evacuation is not hindered by obstructive clamping elements.
- Due to the neutral insert position the effective rake angle is identical to that of the insert form and geometry.



Cutting depth 0.3 - 6.0 mm
Feed rate 0.08 - 0.6 mm

Insert form



❏ Advantages

- The form lock screw guarantees a safe connection of the insert and the tool holder.
- Chip evacuation is not hindered by obstructive clamping elements.
- Due to the neutral insert position the effective rake angle is identical to that of the insert form and geometry.



❏ Selection of the correct clamping system

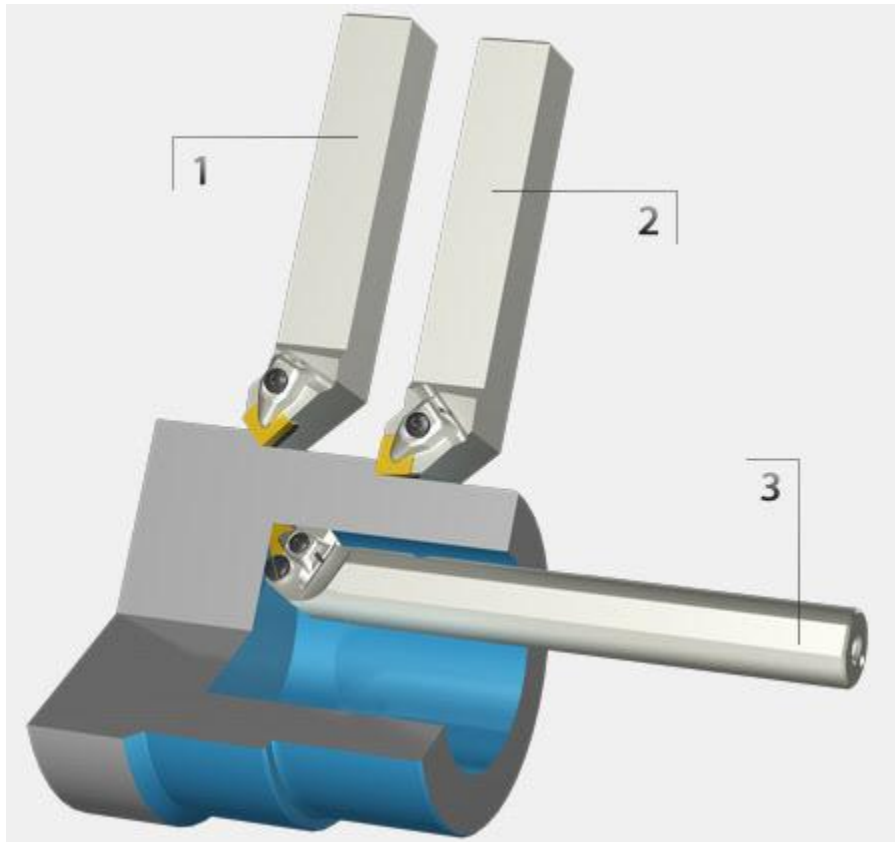


Cutting depth 0.3 - 6.0 mm
Feed rate 0.08 - 0.6 mm

Insert form



APPLICATION EXAMPLE :



For more information on how you can Enhance your Machining Experience and Reduce COSTS Please Get in Touch with our CTD - Application Engineer.

YOUR PRIVACY IS IMPORTANT TO US. IN CASE YOU DO NOT WISH TO RECEIVE NL FROM US IN THE FUTURE, PLEASE SEND US AN EMAIL AS THE SUBJECT LINE **DO NOT SEND TO ENABLE US TO REMOVE YOUR EMAIL ADDRESS FROM OUR LIST.**