

Product note

Quick-Change System INDEX CAPTO with hex actuator

Live tools

Note on applicability

Illustrations in this publication may deviate from the product supplied. Errors and omissions due to technical progress expected.

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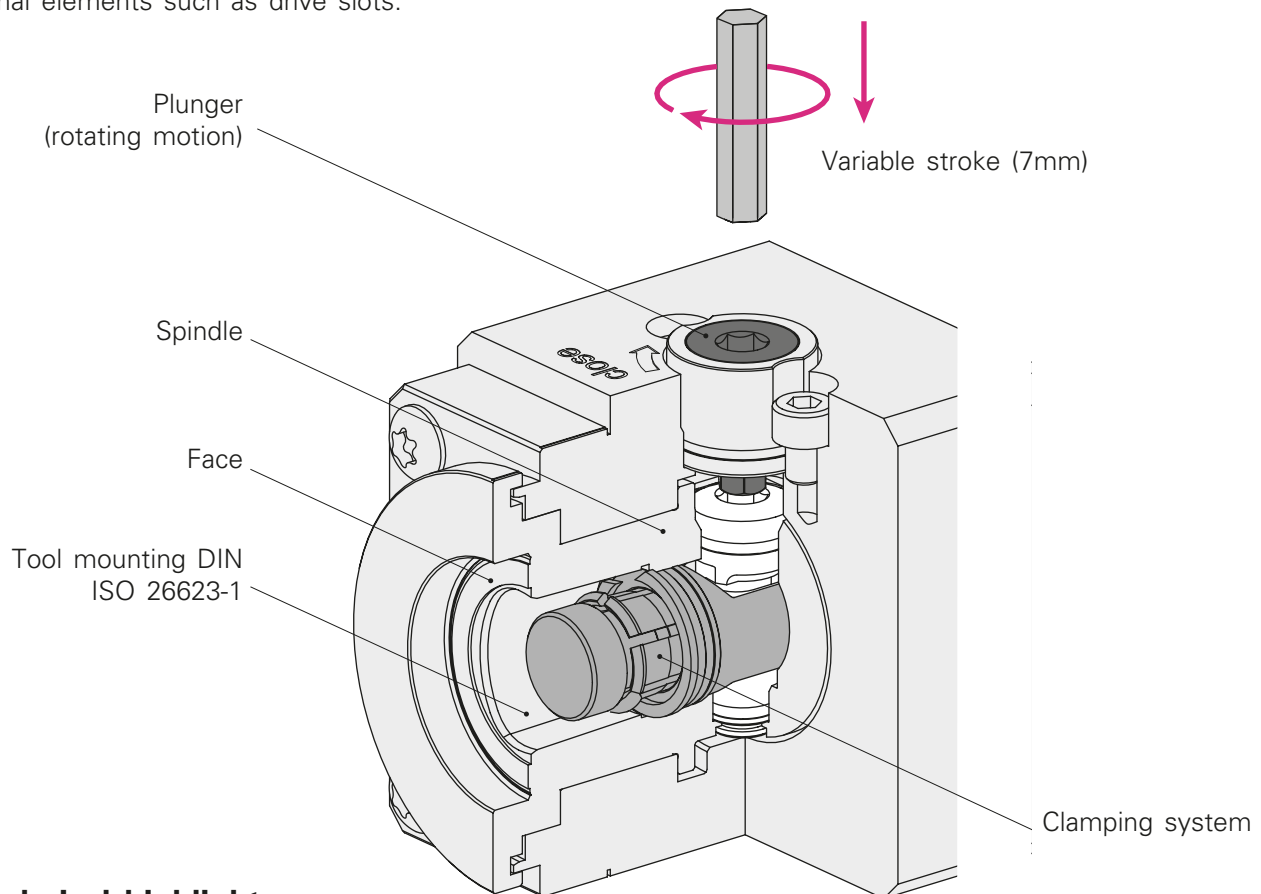
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Quick-Change System INDEX CAPTO

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CAPTO system

A feature of the tool interface and contact surface according to DIN ISO 26623-1 is the polygonal hollow shaft taper that allows safe and backlash-free fixing in position and transmission of high torques without additional elements such as drive slots.



Technical highlights

- Very compact installation space
- High power gain and compact power flow by transmission in the clamping system
- Automatic tool ejection upon release by the clamping system
- Sealed system for central coolant supply
- Separate blow-out possible of the clamping system



The maximum torque of the plunger must be achieved during release and clamping.

The plunger must be in raised position before the tool drive can be used.

With internal coolant supply, filtering the coolant to at least 50 microns must be ensured.

The tool holder must not be operated without clamping the tool adapter.

The tool adapter must only be used in the clamped state.

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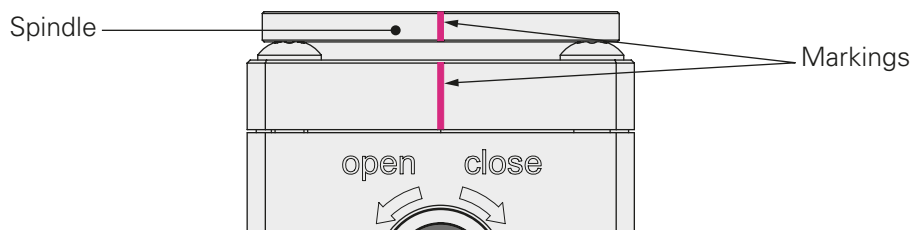
Live tools

Clean all functional surfaces

- Ensure absolute cleanliness when changing the tool.
- All functional surfaces must be cleaned before the clamping process.

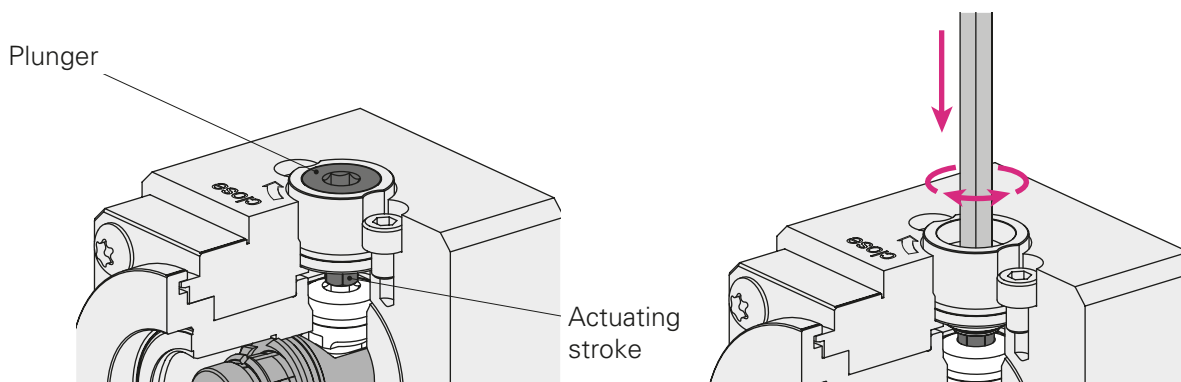
Adjustment

- Before the clamping system can be actuated, the markings on the housing and the spindle must be aligned to each other.
- To do so, rotate the spindle until it reaches the desired position.



Actuation

- The plunger can engage the clamping mechanism in 6 positions
- The position for engaging the clamping mechanism is found by small rotational movements and slight pushing of the plunger
- The clamping mechanism must only be actuated with the plunger fully pushed in

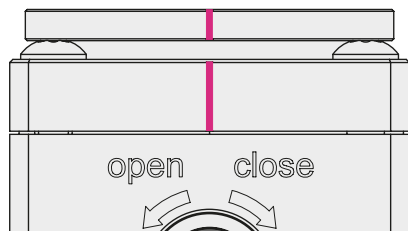


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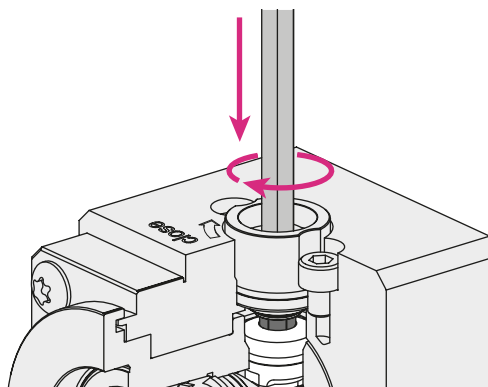
Inserting tool adapter

- Adjust the spindle as described in Section “Adjusting”
- Open the clamping mechanism by rotating the pushed plunger counter-clockwise (open)
- Insert tool adapter
- An integrated latching function locks the tool adapter in the spindle.



Clamping the tool adapter

- The tool adapter is clamped by rotating the pushed plunger clockwise (close)
- The pushed plunger may only be tightened to the maximum torque
- The maximum torque can be found in the “Technical data” table on page 9 or the engraving on the tool unit



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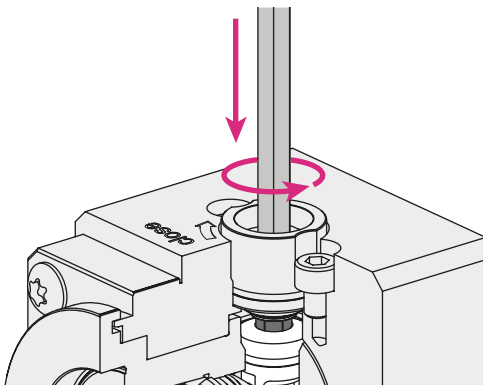
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Releasing the tool adapter

- Adjust the spindle as described in Section “Adjusting”
- The tool adapter is released by rotating the pushed plunger counter-clockwise (open)
- An increased torque is necessary to eject the tool adapter

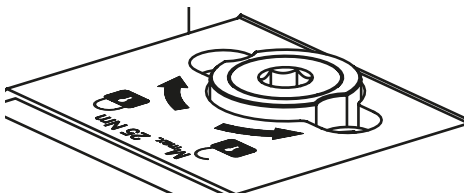


Technical data

INDEX CAPTO with hex actuator

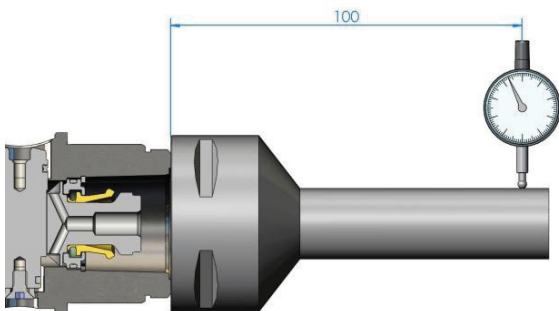
	C3	C4	C5
Torque max.	25 Nm	40 Nm	70 Nm

Please note the engraved torque specification



Tightening torque when using control mandrels

Size	Actuation	Concentricity	Torque
C3	SW 6	0.025 mm	25 Nm
C4	SW 8	0.025 mm	40 Nm
C5	SW 10	0.025 mm	70 Nm



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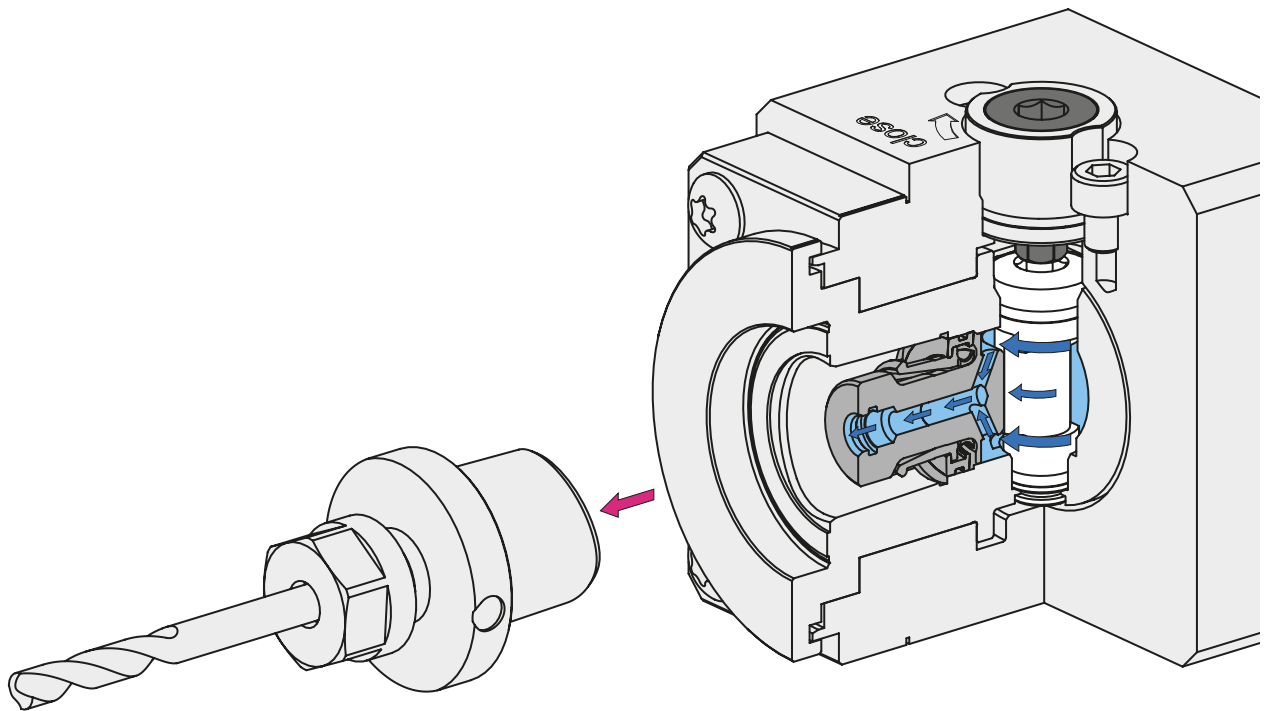
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Quick-change mounting with internally cooled tools

- When using tools with lower flow rates, the dirt of the cooling lubricant may deposit in the clamping system.
- It is recommended to rinse the clamping system at least once a week by removing the CAPTO quick-change mounting.



Remove quick-change mounting at least once a week

Rinse

Clean mounting

Reinstall quick-change mounting

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