

Product note

Milling units

for multi-spindle lathes

Motor mounting
Mounting on slide
Alignment
Tooling system INDEX TRAUB CAPTO

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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Standard motor installation

Delivery condition

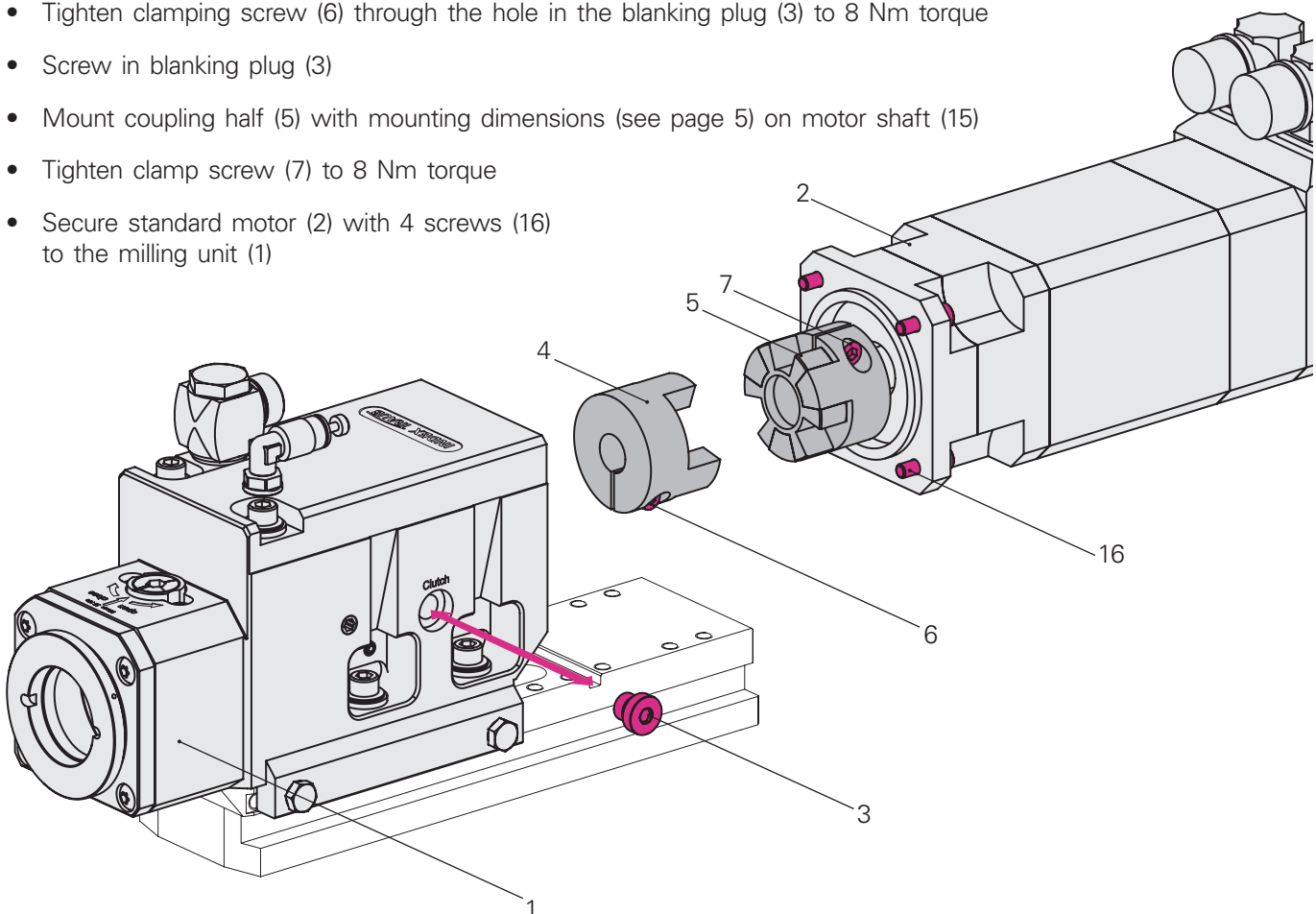
- Milling unit (1) is delivered without motor

Initial installation of standard motor

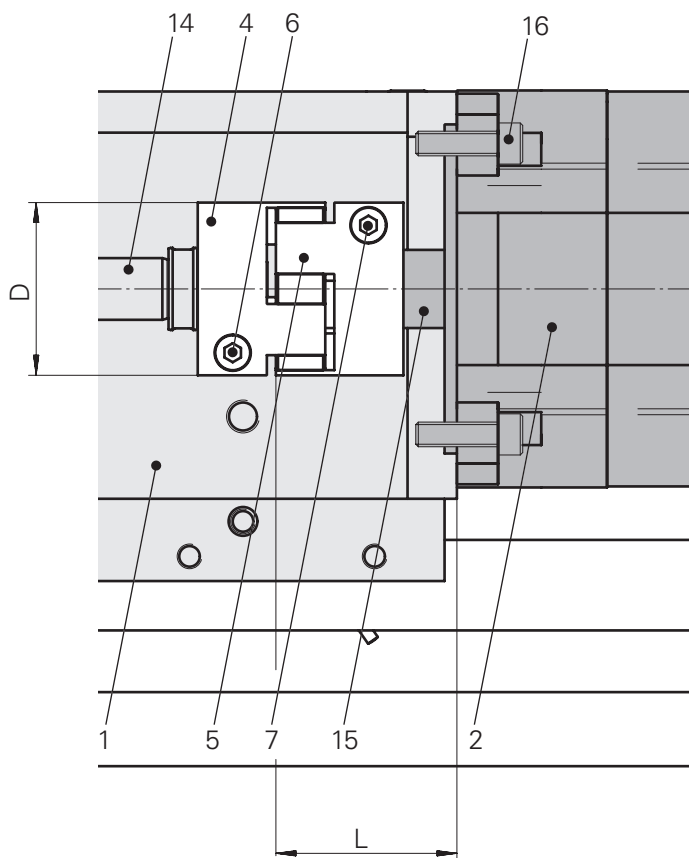
- Remove coupling half (5) from milling unit (1)
- Mount coupling half (5) with mounting dimensions (see page 5) on motor shaft (15)
- Tighten clamp screw (7) to 8 Nm torque
- Secure standard motor (2) with 4 screws (16) to the milling unit (1)

Mounting of standard motor

- Remove blanking plug (3)
- Loosen clamping screw (6) through the hole in the blanking plug (3)
- Remove mounting screws (16)
- Completely remove the clutch and motor
- Push standard coupling half (4) fully onto the shaft of the milling unit (14)
- Tighten clamping screw (6) through the hole in the blanking plug (3) to 8 Nm torque
- Screw in blanking plug (3)
- Mount coupling half (5) with mounting dimensions (see page 5) on motor shaft (15)
- Tighten clamp screw (7) to 8 Nm torque
- Secure standard motor (2) with 4 screws (16) to the milling unit (1)



Standard motor, Standard coupling dimensions



- 1 Milling unit
- 2 Standard motor
- 4 Coupling half for milling unit
- 5 Coupling half for motor shaft
- 6 Clamping screw, tightening torque 8 Nm
- 7 Clamping screw, tightening torque 8 Nm
- 14 Milling unit shaft
- 15 Motor shaft
- 16 Screws for motor

Slide system	L	D
MS22	39 mm	42 mm
MS32/40	44 mm	42 mm
MS52	50.5 mm	56 mm

For details of accessories and motor numbers, see the data sheets of the milling units at infoshop.index-werke.de

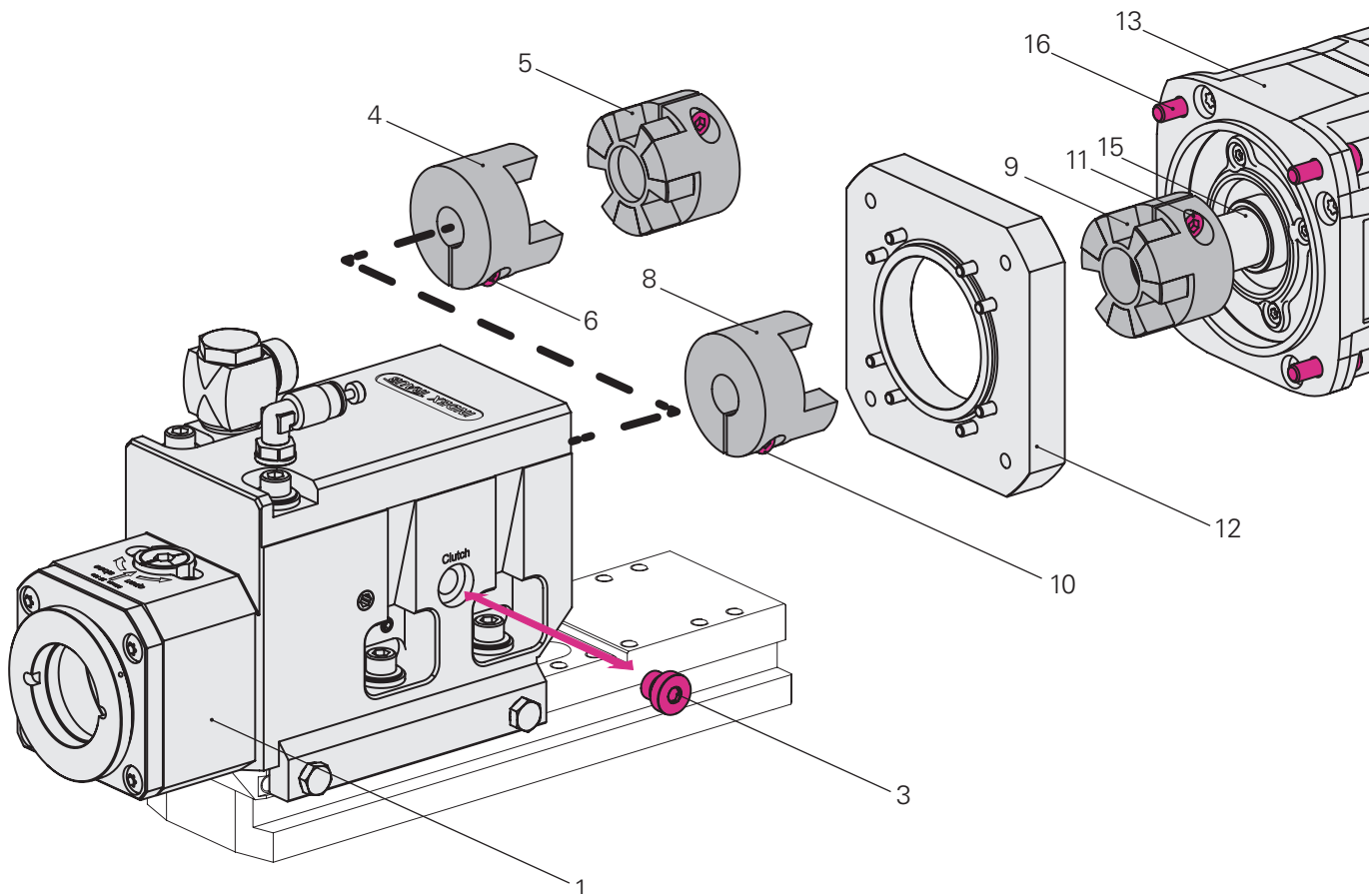
Installing heavy duty motor with attachment kit

Delivery condition

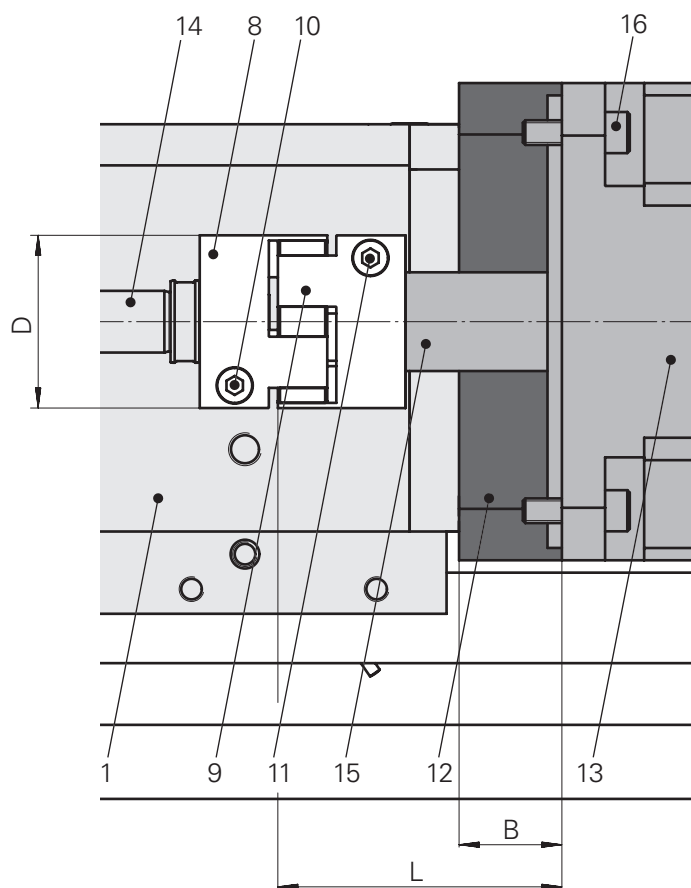
- Milling unit (1) is delivered without motor
- Associated attachment kit (12) for heavy duty motor (13) must be ordered separately

Initial installation of heavy duty motor with attachment kit

- Remove blanking plug (3)
- Loosen clamping screw (6) through the hole in the blanking plug (3)
- Completely remove standard coupling (4, 5)
- Push heavy duty coupling half (8) fully onto the shaft of the milling unit (14)
- Tighten clamping screw (10) through the hole in the blanking plug (3) to 8 Nm torque
- Screw in blanking plug (3)
- Mount heavy duty coupling half (9) with mounting dimensions (see page 7) on motor shaft (15)
- Tighten clamp screw (11) to 8 Nm torque
- Mount attachment kit (12) to milling unit (1)
- Secure heavy duty motor (13) with 4 screws (16) to the attachment kit (12)



Installation dimensions of of heavy duty motor with attachment



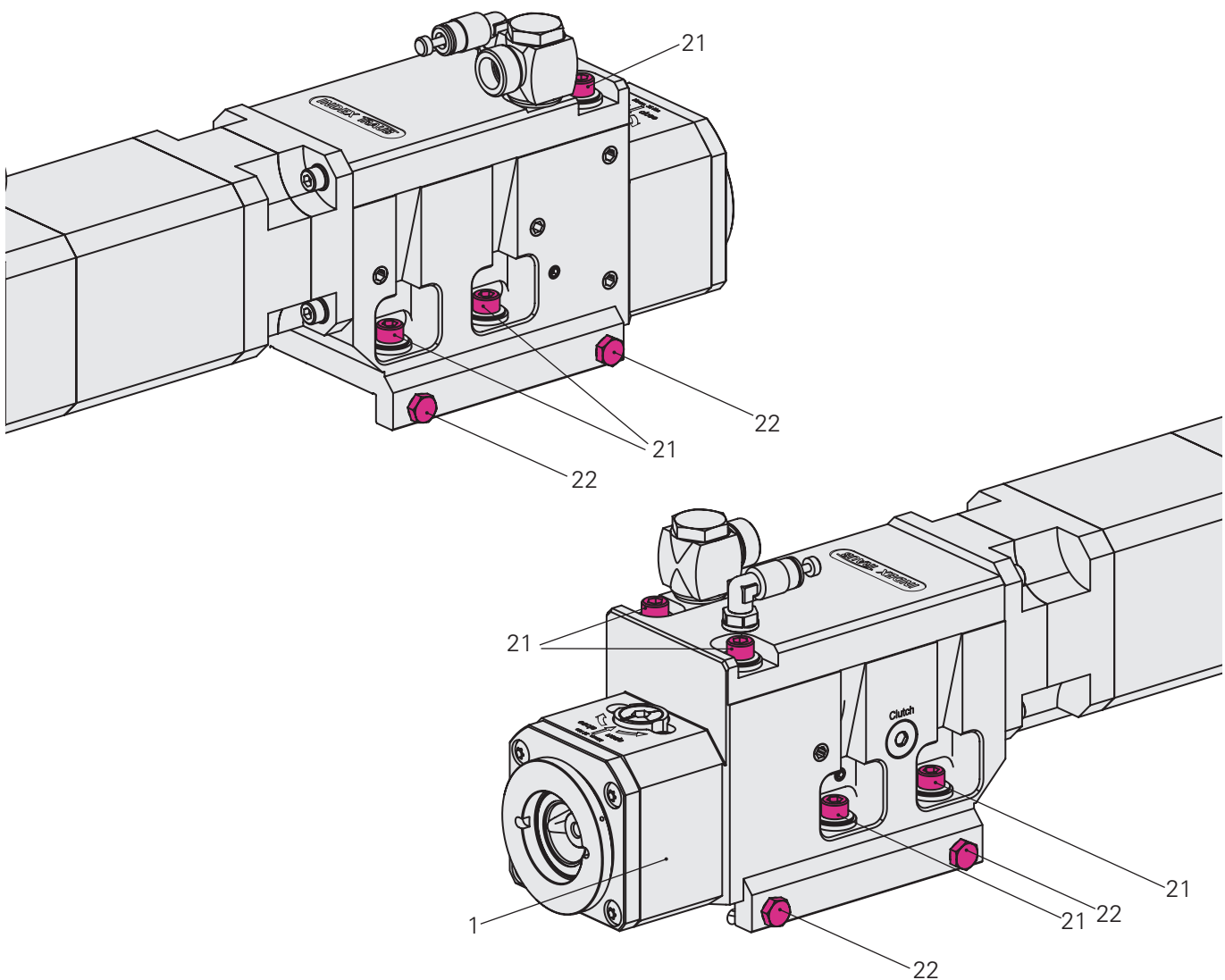
- 1 Milling unit
- 8 Coupling half for milling unit
- 9 Coupling half for motor shaft
- 10 Clamping screw, tightening torque 8 Nm
- 11 Clamping screw, tightening torque 8 Nm
- 12 Attachment kit
- 13 Heavy duty motor
- 14 Milling unit shaft
- 15 Motor shaft
- 16 Screws for motor

Slide system	L	D	B	Attachment kit
MS22	54 mm	42 mm	15 mm	10415187
MS32/40	64 mm	42 mm	20 mm	11028071

For details of accessories and motor numbers, see the data sheets of the milling units at infoshop.index-werke.de

Mounting on slide

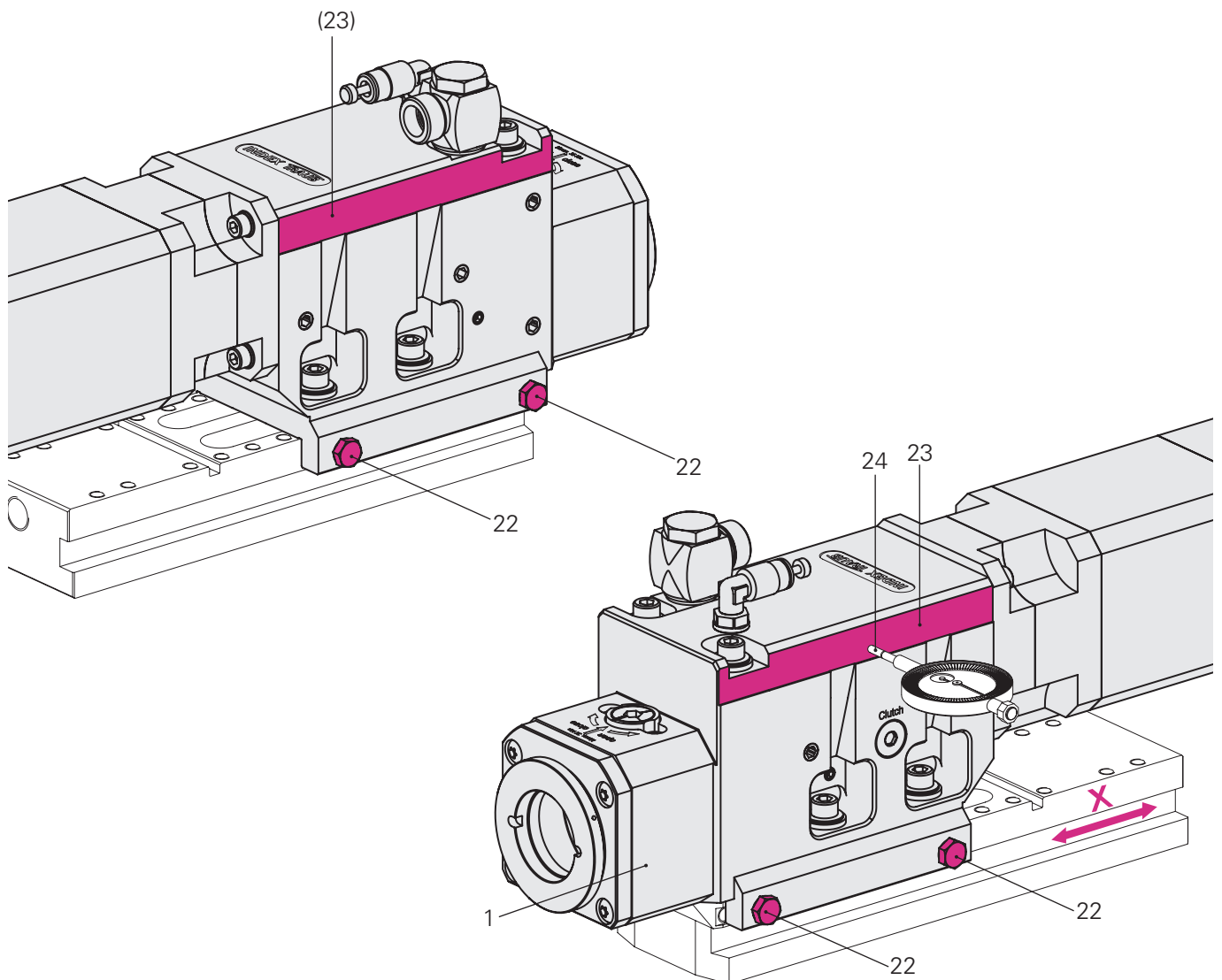
- Install milling unit (1) on slide
- Lightly tighten mounting screw (21) to clamp disk spring
- Also lightly tighten adjusting screws (22)



Alignment

Parallelism (X-axis)

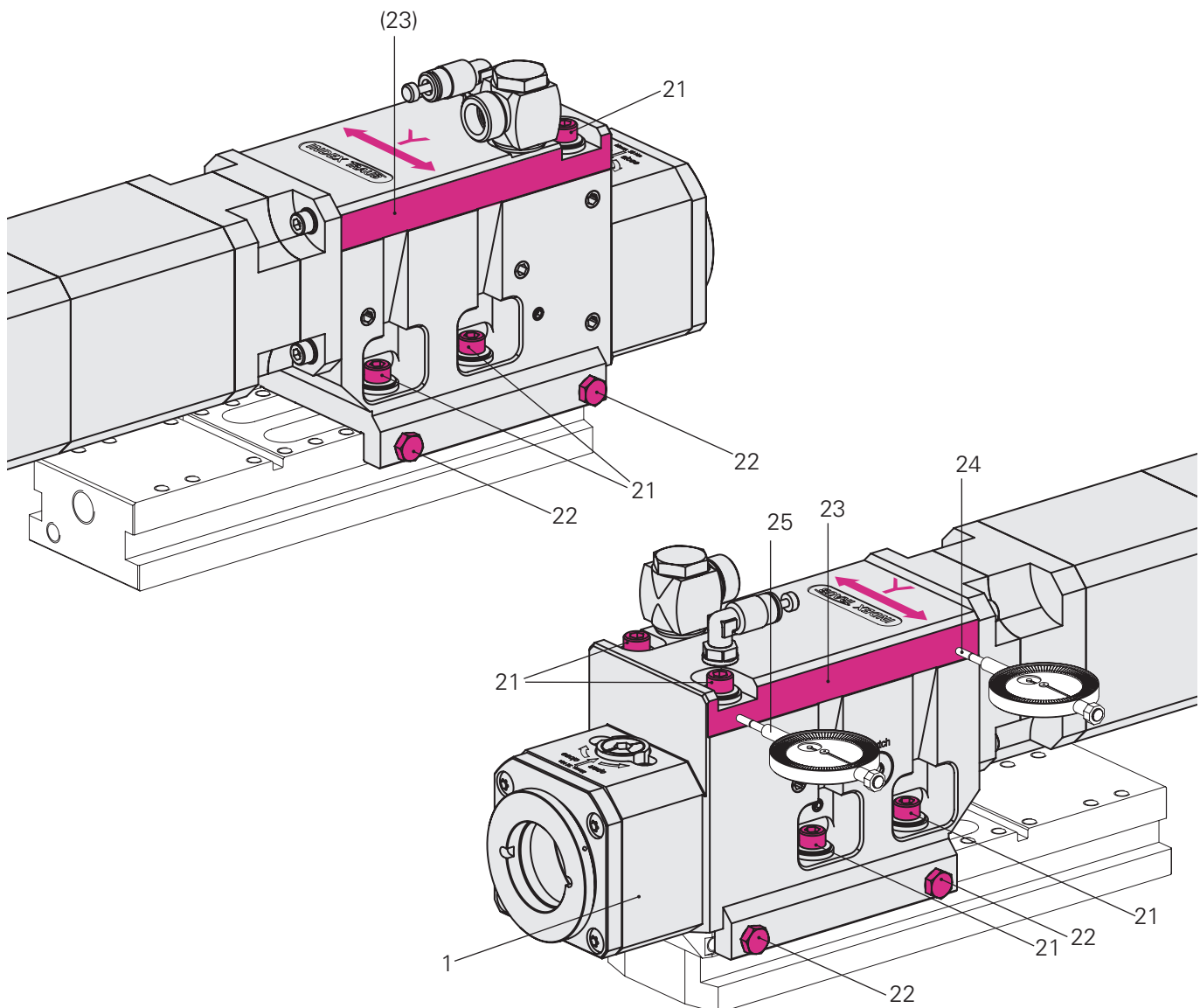
- Place dial gauge (24) on alignment surface (23)
- Move along alignment surface (23) in X-axis
- Align the milling unit (1) by turning the 4 adjusting screws (22)
- Check parallelism by moving along X-axis



Alignment

Height adjustment (Y-axis)

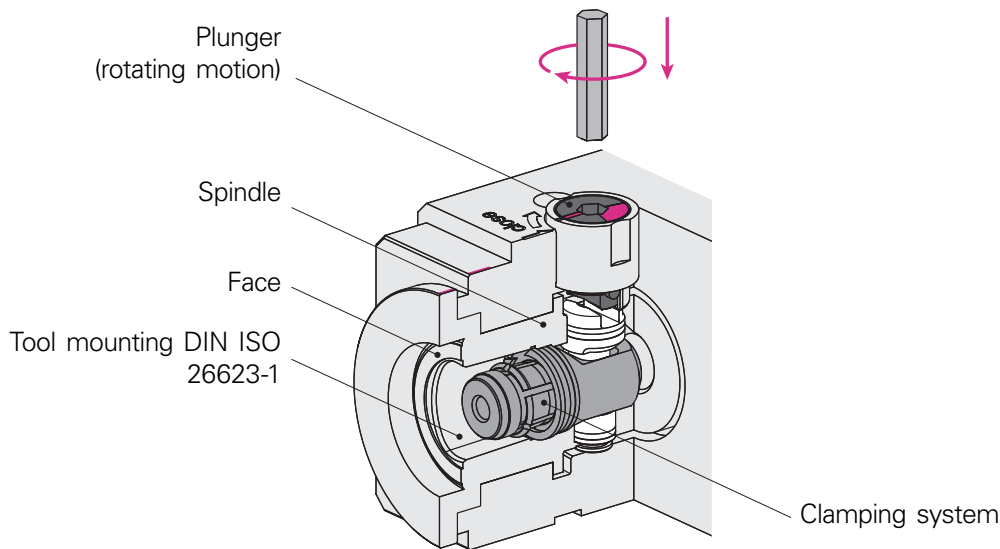
- Place dial gauges (24, 25) on alignment surfaces (23) far apart from each other
- Move the milling unit (1) parallel by evenly turning the adjusting screws (22)
- Tighten the mounting screws (21) to 15 Nm (MS22) or 30 Nm (MS32/MS40/MS52)
- Lightly tighten 4 adjusting screws (21)



Tooling system INDEX TRAUB CAPTO

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.



represented graphically
INDEX TRAUB CAPTO
with 2-flat actuator

For more information on the CAPTO mounting, see the
Product Note W9800011EN for stationary tools
Product Note W9800010EN for live tools, INDEX TRAUB CAPTO with 2-flat actuator
Product Note W9800037EN for live tools, INDEX TRAUB CAPTO with hex actuator

Tooling system INDEX TRAUB CAPTO

Technical data

INDEX TRAUB CAPTO with 2-flat actuator

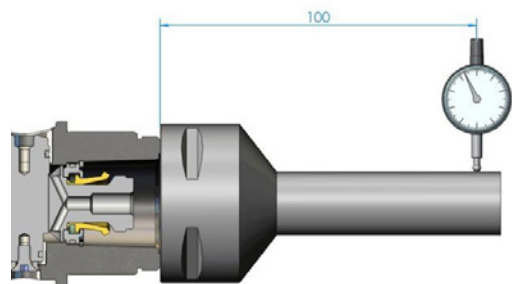
	C3	C4	C5
Torque max.	35 Nm	50 Nm	70 Nm

INDEX TRAUB CAPTO with hex actuator

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

Tightening torque when using control mandrels

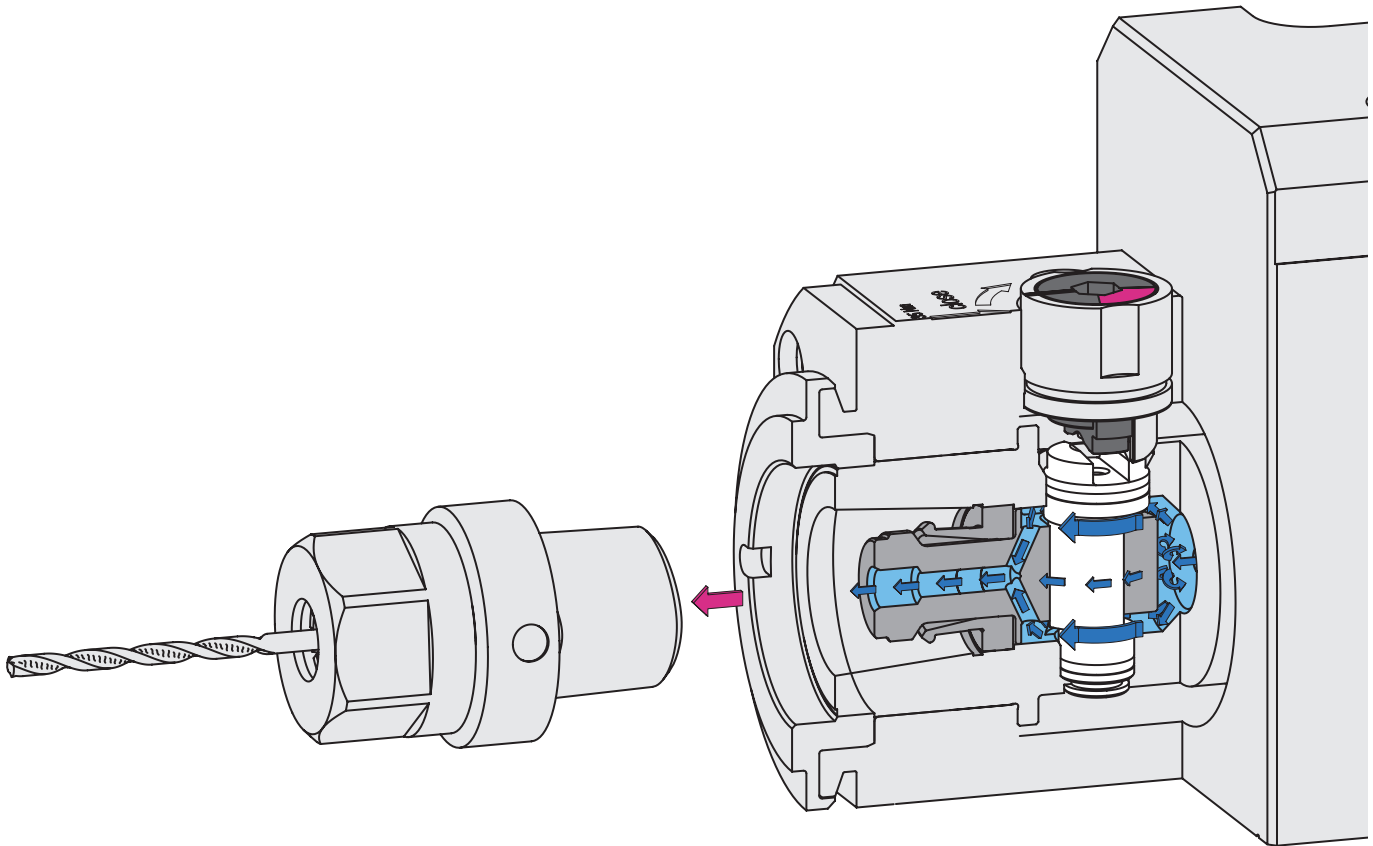
Size	Actuation	Concentricity	torque
C3	SW 6	0.025 mm	18 Nm
C4	SW 8	0.025 mm	25 Nm
C5	SW 10	0.025 mm	35 Nm



Tooling system INDEX TRAUB CAPTO

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.



represented graphically
INDEX TRAUB CAPTO
with 2-flat actuator

Quick-change mounting with internal cooling:



- Remove quick-change mounting at least once a week
- Rinse
- Clean mounting
- Reinstall quick-change mounting



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