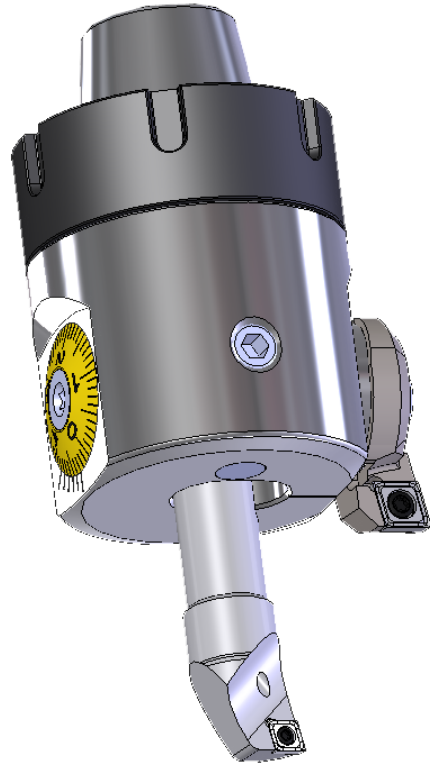
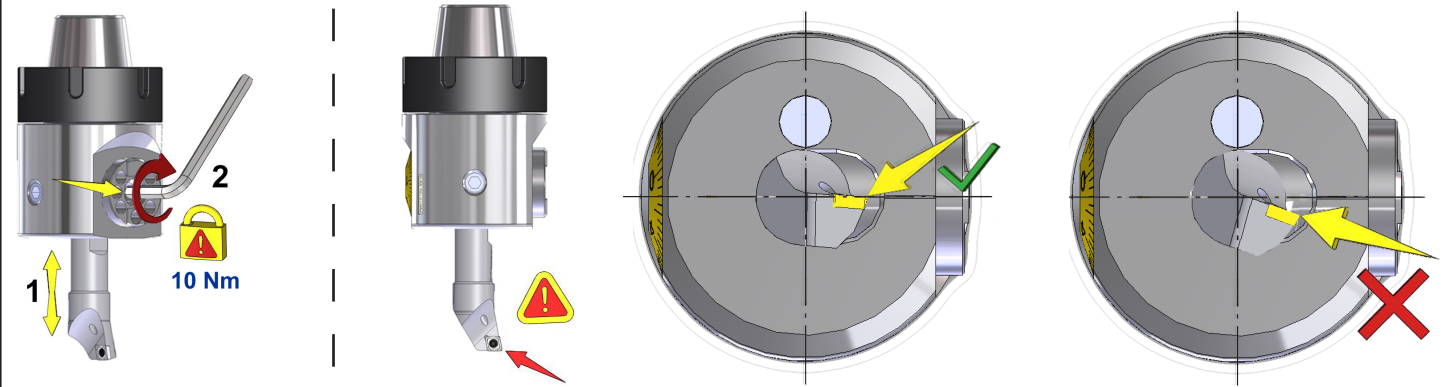


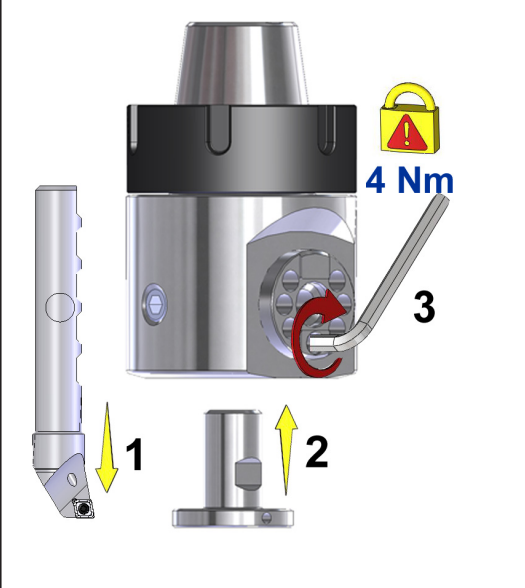
INSTRUCTION MANUAL
VARIO HEAD
Ø 3 - 152 mm



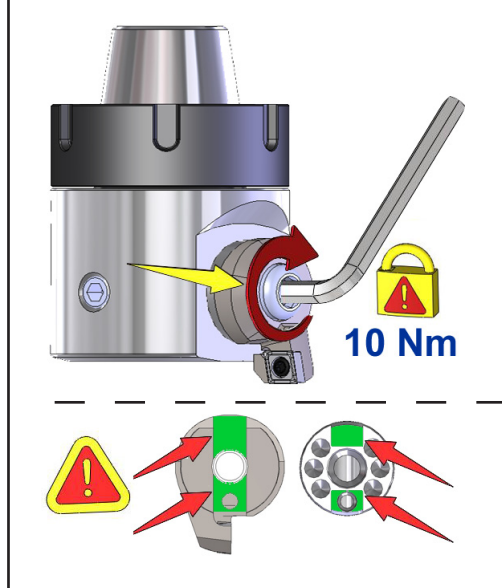
assembling boring bar



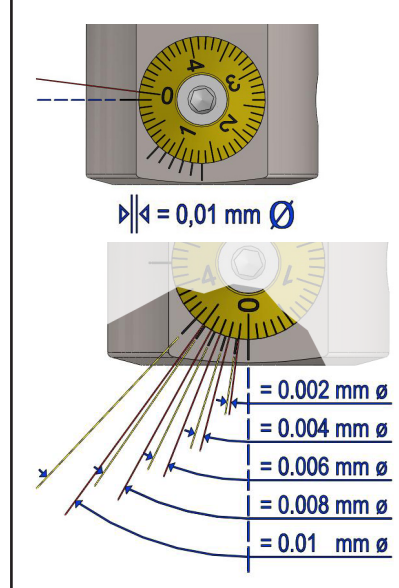
assembling coolant plug



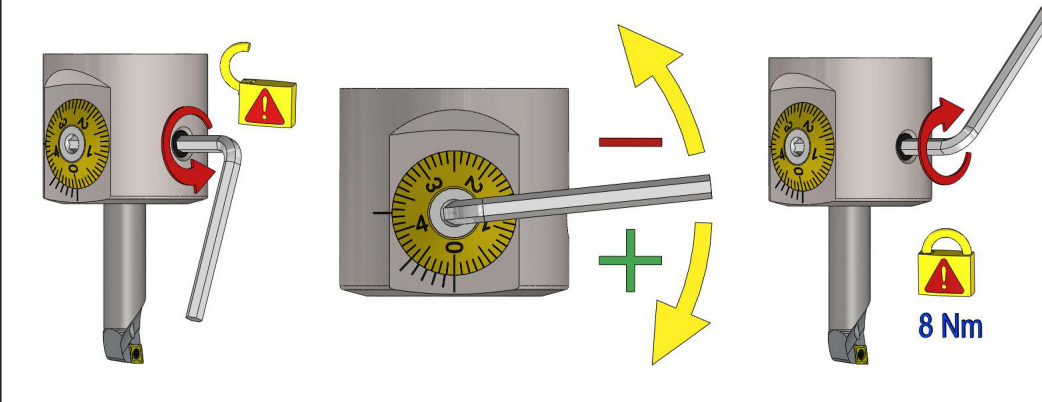
assembling insertholder



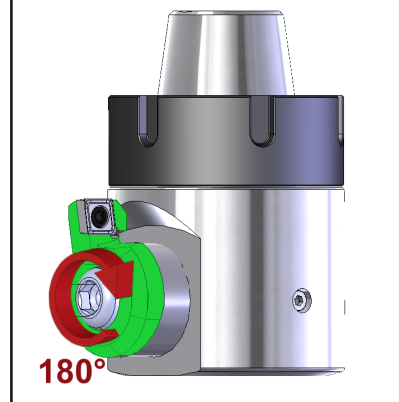
scale / vernier



diameter adjustment



back boring



SWISS+TOOLS

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Phone: +41 (0) 71 634 85 20
 Fax: +41 (0) 71 634 85 29
 www.swisstools.org

Vario Head

Fine boring head ER40

- ER connection
- Flexible
- Universal
- Cost-efficient
- Diameter range Ø 3-152mm

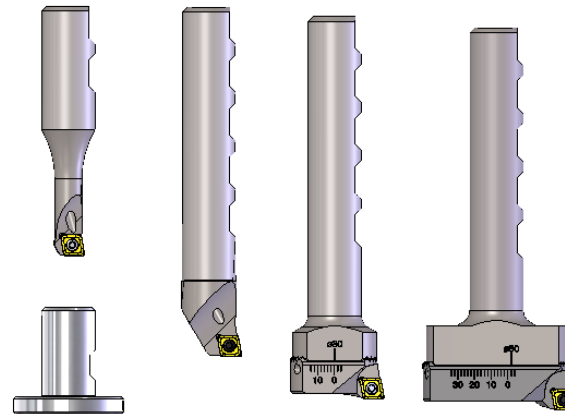
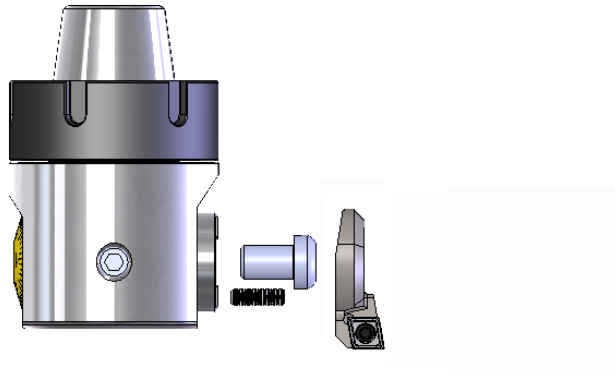


ER-connection is compatible to standard collet chucks



VARIO HEAD SET

Ø 9.75 - 101.1 mm



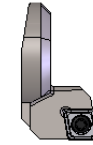
Content

1 Case	
1 Fine boring head	ER40
1 Boring Bar	Ø 9.75 - 20.1
1 Boring Bar	Ø 19.75 - 30.1
1 Shank	Ø 29.75 - 48.1
1 Shank	Ø 47.75 - 88.1
1 Insert holder	Ø 29.75 - 48.1
1 Insert holder	Ø 47.75 - 88.1
1 Insert holder	Ø 87.75 - 101.1 (Ø114.1)
1 Coolant plug	
2 Torx driver	T7 / T9
1 Allen wrench set	SW 1.5 - 8

optional available accessories for upgrade diameter range to Ø 152.1 mm

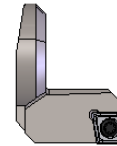
Insert holder

Ø 105.75 - 119.0
(Ø132.0)



Insert holder

Ø 125.75 - 139.0
(Ø152.0)



Adapter F = 6.5 mm

(Ø114.0)
(Ø132.0)
(Ø152.0)



feature back boring Ø 88 - 152 mm

