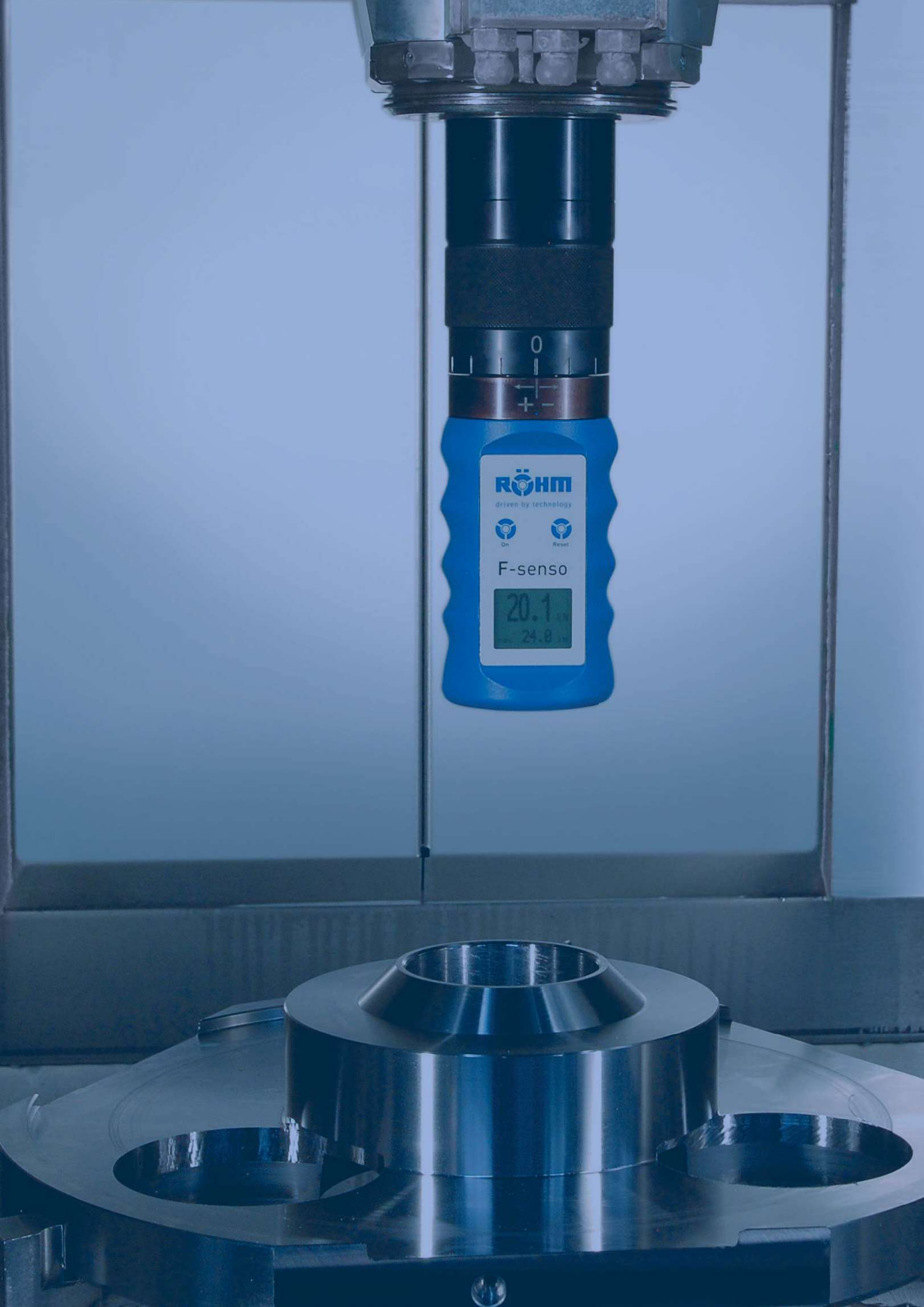


TOOL CLAMPING SYSTEMS

EDITION 8

RÖHM
driven by technology



RÖHM

driven by technology



On



Reset

F-senso

20.1 kN
max 24.0 kN



THE RIGHT FUNCTIONAL PRINCIPLE FOR EVERY APPLICATION



Clamping system with stationary release unit

Stationary release unit is disconnected from the rotating system during spindle rotation and is therefore especially suited for higher speeds.



Clamping system with integrated release hydraulic

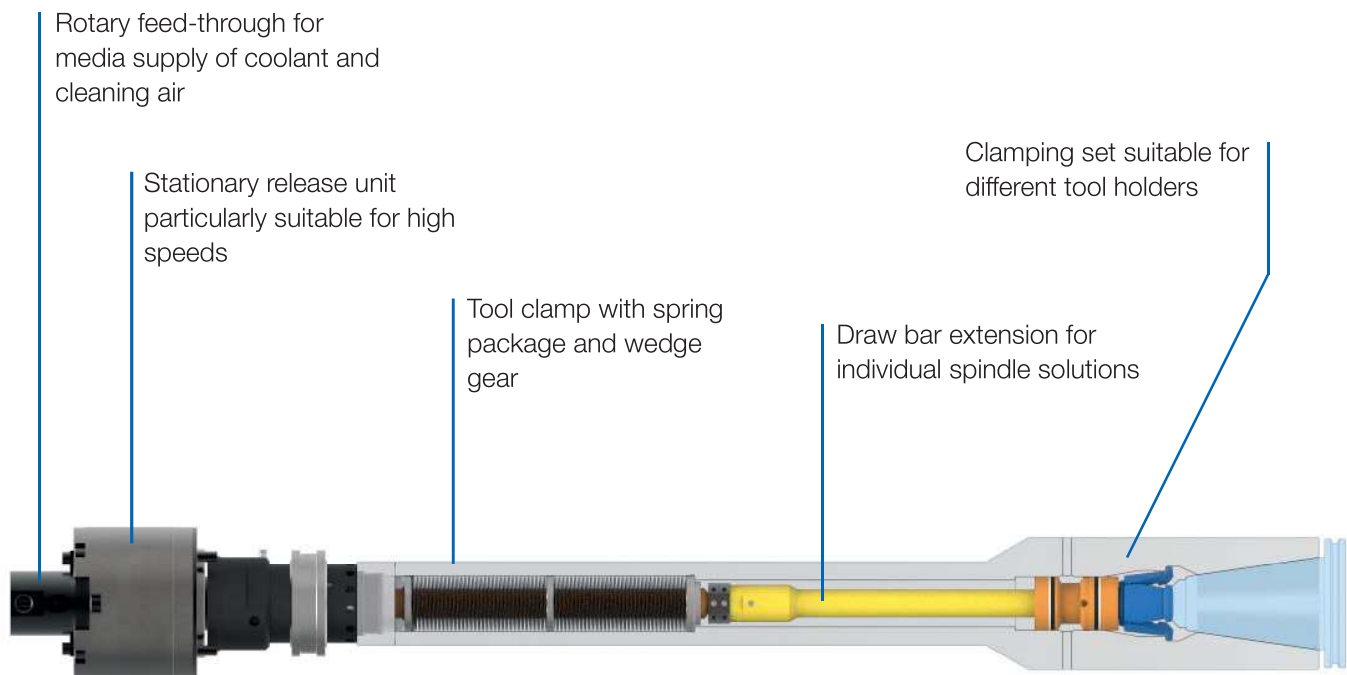
Hydraulic release mechanics are attached/installed on the spindle shaft. No force acts on the spindle bearing during the tool change.

SK - AUTOMATIC TOOL CLAMPING SYSTEM

For the automatic clamping of steep-taper tools, reliability, safety and long service life are essential basic requirements. Particularly for machine tools with a rotating working spindle, high rotational frequencies and high clamping forces. Due to many years of experience in this area, RÖHM can specifically see to customized requirements, thereby meeting this requirement.

ADVANTAGES AT A GLANCE

- ⊕ Safe clamping and release of the steep-taper tools by using proven components
- ⊕ High variant variety for a wide range of installation situations
- ⊕ Individual adaptation to customer-specific requirements



SK clamping sets



APPLICATION

For the automatic clamping of steep-taper tools.

TYPE

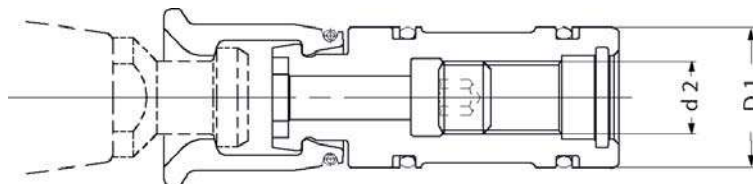
Available in different versions to match the respective tool.

CUSTOMER BENEFITS

- ⌚ Proven construction and high-quality processing
- ⌚ Safe clamping and unclamping of the tools

TECHNICAL FEATURES

- With internal coolant supply



C 15

Clamping sets type DIN 69871/72

Item no.	Design	D1	d 2	Pull-in force max. N
490968▲	SK 30	19	M10x1,5	7500
756340	SK 40	27	M14x1,5	15000
760391	SK 50	40	M16 x1,5	26000
760390▲	SK 60	52	M30x1,5	80000

Further designs available on request

C 15

Clamping sets type MAS BT 45°

Item no.	Design	D1	d 2	Pull-in force max. N
1070315▲	SK 30	19	M10x1,5	6000
861930▲	SK 40	27	M14x1,5	15000
795390▲	SK 50	40	M16x1,5	26000

Further designs available on request

C 15

Clamping sets type ANSI 5.50-78 „CAT“

Item no.	Design	D1	d 2	Pull-in force max. N
890828▲	SK 30	19	M10x1,5	6000
766334▲	SK 40	27	M14x1,5	15000
831393▲	SK 50	40	M16x1,5	26000

Further designs available on request

Clamping system with stationary release unit



APPLICATION

Suitable for SK spindles in higher speed range.

TYPE

Spring package with or without transmission gears and stationary release unit.

CUSTOMER BENEFITS

- ② Slender design
- ② No oil supply required in the rotating spindle part
- ② Stationary release unit decoupled from spindle rotation, therefore low-wear

TECHNICAL FEATURES

- Release system designed individually for the spindle



Rotary feed-through for media supply of coolant and cleaning air

Stationary release unit particularly suitable for high speeds

Tool clamp with sturdy spring package

Individual draw bar extension for spindle length

Clamping set suitable for different tool holders



Clamping system with integrated release hydraulic



APPLICATION

For SK spindles with compact design.

TYPE

Spring package with transmission gear and installed release hydraulics.

CUSTOMER BENEFITS

- ⊕ No force acts on spindle bearing during the tool change
- ⊕ Compact design and high pull-in forces due to integrated wedge gear

TECHNICAL FEATURES

- Release system designed individually for the spindle



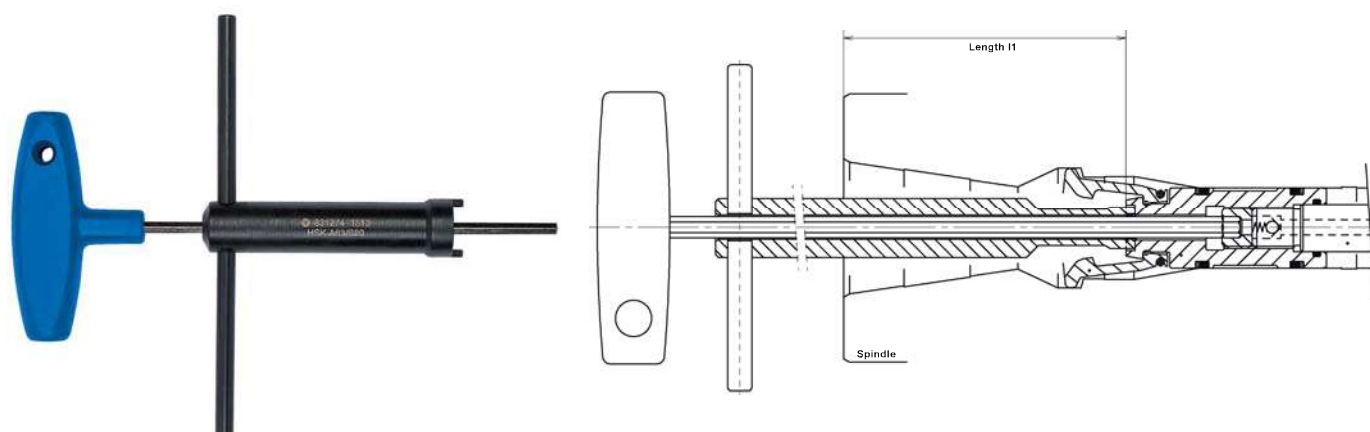
Rotary feed-through for media supply
of coolant and cleaning air

Tool clamp with spring
package, wedge gear and
hydraulic release mechanics

Clamping set suitable for
different tool holders



Accessories



C 15

Socket wrench with through-hole

Item No. Socket wrench	Size	Item No. Hexagon wrench	Length l1 mm	Key width SW
772214	SK 30	367665	183	4
756393	SK 40	802094	350	6
756396	SK 40 (without through-hole)	-	-	-
760229	SK 50	769078	400	8
747337	SK 60	769078	400	8