

Countersink 3S

Impressively low effort.

With over 30% lower feed force for more comfortable working.*

Impressively fast.

An average countersinking time of just 8 seconds – over 50% shorter machining time compared with commercially available countersinks.

Impressively economical.

With up to 60% longer tool life.*

*The stated performance values and claims are based on defined test conditions conducted in our in-house testing facilities.

Impressed.
Especially
with the result.

Perfect results

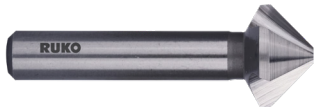
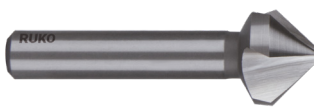
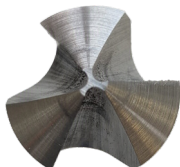
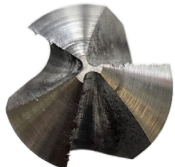
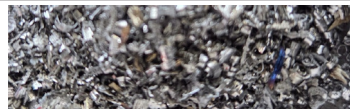
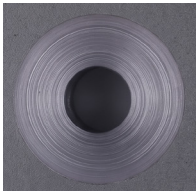
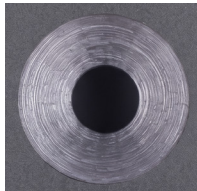
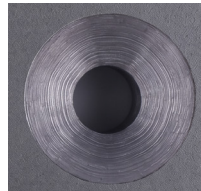
**Maximum time
savings**

Less effort





Competition Overview

			
Model	RUKO Countersink 3S	RUKO Countersink current	Competitor 3 Cutting edges
Number of cutting edges	3	3	3
Figure: Cutting edges after use			
Smooth operation / comfort / wear and tear	works very well with no noticeable chatter sinking without any movement hardly any wear on the tool	slight chatter during the centering process smooth sinking is possible moderate wear on the tool	noticeable chatter throughout the entire lowering process visible, severe wear on the tool
Effort	significantly reduced effort for the same machining task Ø Feed force required: 11 kg	+19 % more effort Ø Feed force required: 13,6 kg	+32 % more effort Ø Feed force required: 15,9 kg
Chip removal	 clean spiral chips detach from the tool on their own; further processing can be carried out without interruption	 optimized chip removal, resulting in clean, spiral-shaped chips	 short breaking span; small crumbs are produced further processing may be interrupted
Countersinking result	 Smooth surface and circular recess.	 minor scratches that do not affect functionality	 radial grooves are visible, along with clear chatter marks and a slight impairment of function
Countersinking time	8 s/countersink	9 s/countersink	16,32 s/countersink

*The data show the tested countersinks under consistent conditions: Countersink Ø20,5 mm S235JR, t = 10 mm