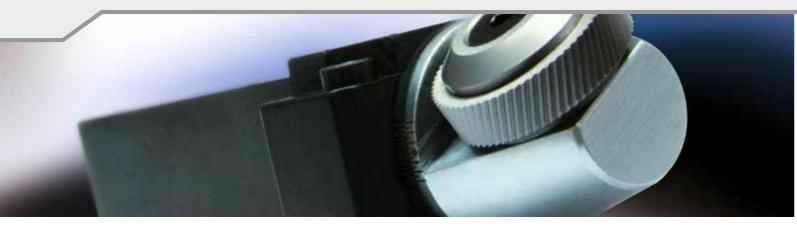
zeus® CUT KNURLING TOOLS RF1



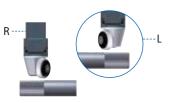


The alternative for knurling impressive RAA profiles. Setting and scaling aids for a fine adjustment of the cut knurling head offer special advantages concerning precision, knurl quality and user-friendliness. The simplified tool setting in combination with a more stable design allow for increased process rigidity. The optimal tool solution for visual knurling profiles with minimal pressure!

APPLICATION ADVANTAGES:

PROCESS STABILITY:

- Process stability through protection from radial deflection and axial torque: for an optimal tool guiding of the work piece and minimal vibration of the tool. Superb precision and surface quality on the work piece. Easy and precise positioning of the cut knurling head
- Lock-in position at 30° for an optimal starting position
- Precise fine adjustment of the tool head by means of scaling aid: for an easy presetting and reproducible processes



Modular use right and left: Retooling through fast and easy turning of the cut knurling head

- Controlled tool change: precise fitting of the knurl and exact location of the knurl holding unit All setting parameters can
- be preset and documented
- Reduced setting time through easy presetting and reproducible setting parameters

Setting spindle Scaling aids

- Higher feed and speed rates, reduced production times Reduced wear on knurling
- wheels Modular cut knurling tool

EFFICIENCY:

- head for right-/left-hand turning machines
- **TOOL HANDLING:**
- Integrated set screws for easy adjustment of the clearance angle
 - Fine adjustment of the cut knurling head with setting spindle for a perfectly milled profile and even knurl depth Easy change of knurling
 - wheels and precise positioning of the knurl holding unit
 - Stability and precision due to a three-point bearing of the tool head on the shank construction

zeus® CUT KNURLING TOOL 231:

THE SPECIALIST FOR FIRST-CLASS VISUAL PROFILES WITH EXCEPTIONAL DEMANDS ON SURFACE QUALITY!



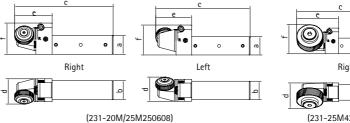
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ORDER EXAMPLE:

Tool holder No.	231-25 M 250608 - A	
Product series •		 Model A
Shank size 25x25 mm 🗣	For	knurling wheels

TOOL TYPES:

-	Tool holder No.	Working area Ø mm	n a mm	b mm	c mm	d mm	e mm	f mm		Knurling wheels mm (Ø x width x bore)	Spare part E-Kit	the second second
	231-20M250608-A 231-25M250608-A 231-25M421316	10-300 10-300 30-3000	20 25 25	25 25 25	129 129 147	33 33 41	49 49 67	36 41 47		25 x 6 x 8 25 x 6 x 8 42 x 13 x 16	21BHR0506 21BHR0506 21BHR0508	21BHR0506 21BHR0508
	Further tools versions					demand	l.					2151110300
f			C	o c	0 0	- C		0 0	a			
q	Right		Left		م	σ		ght	٥		For more information minimum distance shoulder, please ref	to work piece
	(231-	20M/25M250608)				(:	231-25M	421316)				
f	FLEXIBILITY: Fast and easy turning tool head for right- / hand use		R	C)		AFI REI					









1.4305 RAA / P. 1.0 Boley BE 42 400

APPLICATION PARAMETERS zeus® RF1: Knurling tool: 231-20M250608-A Knurling wheel: BR30° 25x6x8, P. 1.0 Cycle time: 25 sec/piece Speed rate: Feed rate: 35 m/min Feed rate: 0.08 mm/rev Tool life knurling wheel: 166 min/knurling wheel Performance:

User-friendly tool handling:

Scaling and positioning aids



Housing



Machine type:	Conventional and CNC – suitable for: • Automatic short-turning lathes, Universal lathes, Turning- / milling centre • Multispindle automatic lathes						
Application:	Cut knurling (swarf removal)						
Knurling profile on work piece DIN 82:	RAA	RBL30°	RBR30°				
Knurling wheels:	 1 x BR30° (right-turning) 1 x BL30° (left-turning)	1 x AA	 1 x AA				
Tool direction:	• Feed knurling						
Product highlights:	 Setting spindle for fine adjustment of the cut knurling head Scaling and positioning aids Lock-in position at 30° for an optimal starting position Precise knurl holding unit Integrated set screws for clearance angle adjustment Exchangeable tool head for flexible use on right-/ and left-hand turning machines Carbide bushings 						

• Special surface hardening for increased wear resistance