



SPECIAL VARIANTS KNURLING TOOLS



SPECIAL VARIANTS KNURLING TOOLS

Specially designed for maximum stability and precision

Series 391



Ø 25 mm



Ø 30 mm

Knurling profiles on workpiece (DIN 82):
Feed knurling



RAA RGE

Selection of knurling wheels (DIN 403):

3x AA	2x BL / 1x BR
	2x BR / 1x BL

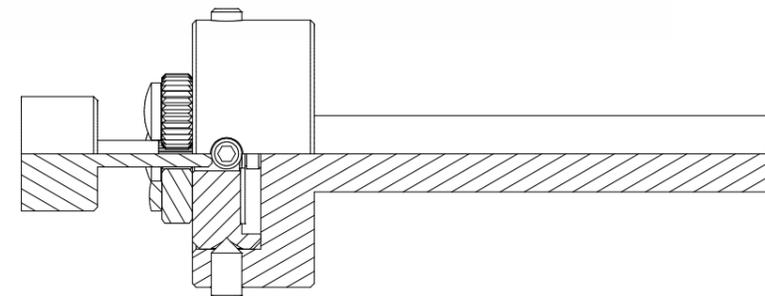
Product features:

- No lateral contact pressures – minimum load on the workpiece
- Custom production – designed for workpiece diameter and pitch
- Dimensions correspond to standard for thread-cutting dies
- For use in standardised thread-cutting die holders

Available sizes:

- Ø 25 mm
- Ø 30 mm
- Ø 38 mm
- Ø 45 mm
- Ø 55 mm

- Base shanks are not included in scope of delivery, but are available on request



ALL REQUESTS FOR SPECIAL VARIANTS CAN ONLY BE PROCESSED WITH A WORKPIECE DRAWING.



SPECIAL VARIANTS KNURLING TOOLS

Series 311-xx°

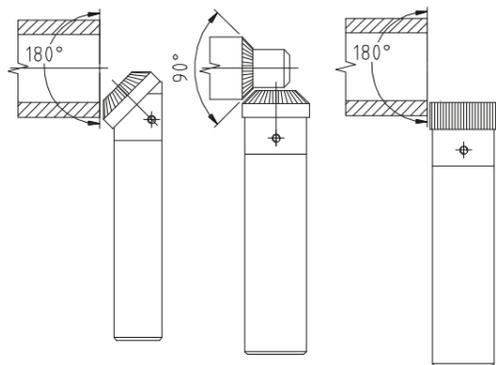
Conical knurling
Face knurling

Conical/inner/face knurling
up to a shoulder



20° - 60°

90°



Knurling profiles on DIN 82 workpiece:

Plunge knurling



Selection of knurling wheels:

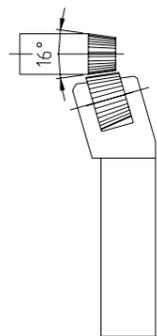


Series 312-xx°

Conical knurling



1° - 60°



Knurling profiles on DIN 82 workpiece:

Plunge knurling



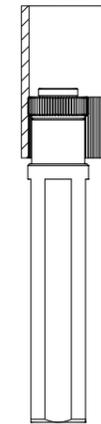
Selection of knurling wheels:



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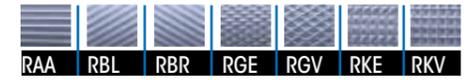
Series 330

Knurling within a bore



Knurling profiles on DIN 82 workpiece:

Plunge knurling



Selection of knurling wheels:



Feed knurling

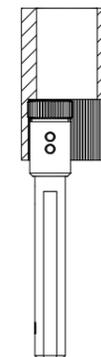


Selection of knurling wheels:



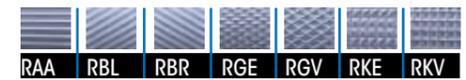
Series 332

Knurling within a bore
up to a shoulder



Knurling profiles on DIN 82 workpiece:

Plunge knurling



Selection of knurling wheels:



Feed knurling



Selection of knurling wheels:



Series 342

Knurling within a bore
up to a shoulder

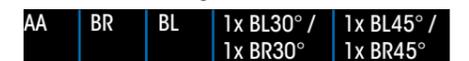


Knurling profiles on DIN 82 workpiece:

Plunge knurling



Selection of knurling wheels:



Feed knurling



Selection of knurling wheels:





SPECIAL VARIANTS KNURLING TOOLS

Series 161-S

Integrated turret holder
Expanded work area



Knurling profiles on DIN 82 workpiece:
Plunge knurling



Selection of knurling wheels:

2 x AA	1 x BL30°	1 x BL45°
	1 x BR30°	1 x BR45°

Product features:

- Flexible work area
- Extremely stable design
- Direct machine connection
- Conical application
- Carbide pins

Working area:

- Ø 0–15 mm



SPECIAL VARIANTS KNURLING TOOLS

Series 142-S

Special Capto® holder



Knurling profiles on DIN 82 workpiece:
Plunge/feed knurling



Selection of knurling wheels:

2 x AA	1 x BL30°	1 x BL45° /
	1 x BR30°	1 x BR45°

Product features:

- Knurling up to a shoulder
- Capto holder
- Knurling head with flexible centring
- Modularity – application independent
- Carbide pins

Working area:

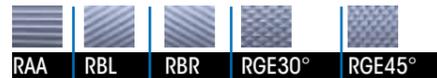
- Ø 3 - 40 mm
- Ø 6 - 60 mm
- Ø 10 - 110 mm

Series 161-S

Conical knurling
Adjustable jaws 4–12°



Knurling profiles on DIN 82 workpiece:
Plunge/feed knurling



Selection of knurling wheels:

2x AA	2x BR	2x BL	1x BL30°	1x BL45° /
			1x BR30°	1x BR45°

Product features:

- Adjustable jaws 4–12°
- Star turret holder
- Flexible work area – conical surfaces
- Reduced strain on workpiece and machine
- Knurling head with flexible centring
- Modular shank design
- Carbide pin

Working area:

- Ø 8–36 mm

Series 192-S

Special HSK 32 holder



Knurling profiles on DIN 82 workpiece:
Feed knurling



Selection of knurling wheels:

2x AA	2x (1x) BL30° /	2x (1x) BL45° /
	1x (2x) BR30°	1x (2x) BR45°

Product features:

- Knurling up to a shoulder
- HSK holder
- No lateral contact pressure – reduced load
- Modular exchangeable knurl holder jaws
- Suitable for very small workpieces
- Exchangeable shank
- Easy and precise fine adjustment (synchronous)
- Carbide pins/bearing bolts

Working area:

- Ø 4–30 mm

Series 161-S

Knurling wheels in special size/form



Knurling profiles on DIN 82 workpiece:
Plunge/feed knurling



Selection of knurling wheels:

2x AA	2x (1x) BL30° /	2x (1x) BL45° /
	1x (2x) BR30°	1x (2x) BR45°

Product features:

- HSK holder
- No lateral contact pressure – reduced load
- Centre height adjustable due to synchronous spindle
- Carbide pins

Working area:

- Ø 0–20 mm

Form knurling/ marking

Special facing slide head holder



Knurling profiles on DIN 82 workpiece:
Plunge/feed knurling



Selection of knurling wheels:

1x AA	1x BR	1x BL
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Product features:

- Holder for facing slide head
- Special width for custom applications (knurling wheel/marketing roll)
- Carbide pins

Working area:

- Dependent on facing slide head