



PRÄZISIONSWERKZEUGE

HOMMEL+KELLER

TOOLTALK ESSENTIALS

KNOW-HOW-NUGGETS

SPECIAL VARIANTS |

SPEZIAL TOOLS

THE SPECIALIST FOR
CONICAL, FACE KNURLING
AND KNURLING WITHIN A
BORE



SPECIAL VARIANTS — CONICAL AND FACE KNURLING

In addition to our extensive standard range, we also offer you the option of having knurling tools manufactured according to special requirements. Whether special profiles, different pitches or individual material requirements - we realise customized solutions for your specific applications. Below you will find examples of our special versions, which give you an insight into the flexibility and diversity of our range.

SPECIAL TOOL 311 – 45°



Machine type:

Conventional and CNC – suitable for:

- Lathes | Autolathes
- Automatic short-turning lathes | Universal lathes
- Turning- | Milling centres
- Multi spindle automatic lathes

Application:

Conical knurling
Face knurling
Form knurling
(non-cutting forming)

Knurling profile on work piece (DIN 82)



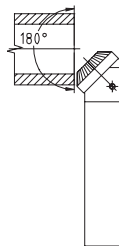
Knurling wheels

Tool direction:

- Plunge knurling

Product highlights:

- Special surface hardening for increased wear resistance



SPECIAL TOOL 311 – 90°



Machine type:

Conventional and CNC – suitable for:

- Lathes | Autolathes
- Automatic short-turning lathes | Universal lathes
- Turning- | Milling centres
- Multi spindle automatic lathes

Application:

Knurling within a bore – (up to a shoulder)
Face knurling
Form knurling
(non-cutting forming)

Knurling profile on work piece (DIN 82)



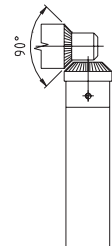
Knurling wheels

Tool direction:

- Plunge knurling: Suitable for all knurling profiles, patterns and markings
- Feed knurling: Suitable for RAA, RBL, RBR

Product highlights:

- Shoulder pin fixed by a screw
- Special surface hardening for increased wear resistance



SPECIAL TOOL 312



Machine type:

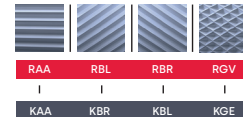
Conventional and CNC – suitable for:

- Lathes | Autolathes
- Automatic short-turning lathes | Universal lathes
- Turning- | Milling centres
- Multi spindle automatic lathes

Application:

Conical knurling
Form knurling
(non-cutting forming)

Knurling profile on work piece (DIN 82)



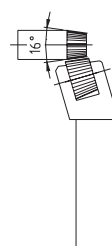
Knurling wheels

Tool direction:

- Plunge knurling

Product highlights:

- Integrated set screw for clearance angle adjustment
- Special surface hardening for increased wear resistance



SPECIAL VARIANTS — KNURLING WITHIN A BORE

Our expertise in knurling technology also includes solutions for internal applications. With special internal knurling tools, we offer you the opportunity to achieve precise and clean knurling even in confined spaces. Whether standard or customized - we manufacture tailor-made tools for your individual requirements. Discover our range of internal knurling tools and customized variants on the following pages.

SPECIAL TOOL 330



Machine type:

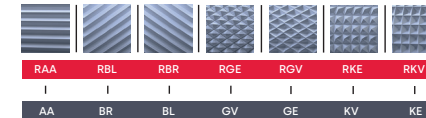
Conventional and CNC – suitable for:

- Lathes | Autolathes
- Swiss type autolathes
- Automatic short-turning lathes | Universal lathes
- Turning- | Milling centres
- Multi spindle automatic lathes

Application:

Knurling within a bore
Form knurling
(non-cutting forming)

Knurling profile on work piece (DIN 82)



Knurling wheels

Tool direction:

- Plunge knurling: Suitable for all knurling profiles, patterns and markings
- Feed knurling: Suitable for RAA, RBL, RBR

Product highlights:

- Suitable for small work spaces
- Round shank with four clamping flats
- Special surface hardening for increased wear resistance

SPECIAL TOOL 332



Machine type:

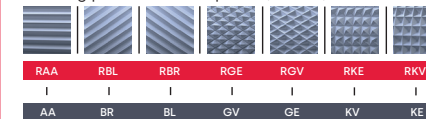
Conventional and CNC – suitable for:

- Lathes | Autolathes
- Swiss type autolathes
- Automatic short-turning lathes | Universal lathes
- Turning- | Milling centres
- Multi spindle automatic lathes

Application:

Knurling within a bore – (up to a shoulder)
Form knurling
(non-cutting forming)

Knurling profile on work piece (DIN 82)



Knurling wheels

Tool direction:

- Plunge knurling: Suitable for all knurling profiles, patterns and markings
- Feed knurling: Suitable for RAA, RBL, RBR

Product highlights:

- Suitable for small work spaces
- Fitting of the knurling wheel on the pin adjustable
- Shoulder pin fixed by a screw
- Round shank with four clamping flats
- Special surface hardening for increased wear resistance

SPECIAL TOOL 342



Machine type:

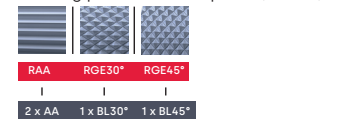
Conventional and CNC – suitable for:

- Lathes | Autolathes
- Swiss type autolathes
- Automatic short-turning lathes | Universal lathes
- Turning- | Milling centres
- Multi spindle automatic lathes

Application:

Knurling within a bore – (up to a shoulder)
Form knurling
(non-cutting forming)

Knurling profile on work piece (DIN 82)



Knurling wheels

Tool direction:

- Plunge knurling: Suitable for all knurling profiles, patterns and markings
- Feed knurling: Suitable for RAA, RBL, RBR

Product highlights:

- Suitable for small work spaces
- Round shank with four clamping flats
- Shoulder pin fixed by a screw
- Integrated set screw for clearance angle adjustment
- Special surface hardening for increased wear resistance



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