

ZEUS Cut Knurling Tools

Knurling without pressure and force.

Unbeatable benefits:

- **Flexible use** for shanks 20 and 25 through vertical adjustment mechanism.
- **High precision** for excellent knurling profiles.
- **Modular tool system** for left and right hand orientation with easy tool conversion.
- **Fast and easy head orientation** reduces setting time.
- **Easy tool handling** and adjustment of work piece diameter.
- **Rigid tool design** offers high process safety and excellent knurling quality. Gear tooth system between tool holder and cut knurling head for a steady vibration free process.
- **Knurling wheel options:** PVD coatings for increased wheel life.
- **Special surface hardening** of the tool shank for increased tool life (nitriding).

Zeus Cut Knurling Wheels guarantee an optimal tool life, high precision & absolute process safety:

- **Teeth fine milled, front and bore ground:** high quality of knurling pattern.
- **Vacuum hardened.**
- **Knurling wheel options:** PVD coatings for increased wheel life (3).
- **Exclusive product range.**

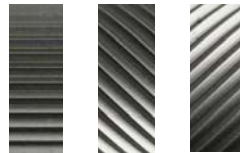
RSVP Tooling is proud to be the North American stock master distributor for Homell Keller Zeus knurling and marking tools. RSVP Tooling offers knurling and marking tool solutions to meet a wide range of production specifications and demands. For a complete listing of Zeus Knurling and Marking tools visit <http://www.zeus-tooling.de/en/products> or scan this QR code.



Best Example:
Zeus RF2-A

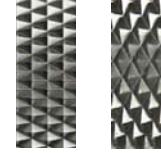
Tool Series:

RF1



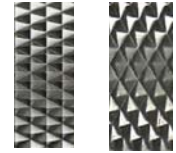
Knurling profiles:
RAA / RBL / RBR

RF2



Knurling profiles:
RGE30° / RGE45°

RF3



Knurling profiles:
RGE30° / RGE45°



Form AA



BL 15°



BR 15°



BL 30°



BR 30°

Variations	Type	Ø x width x bore	Pitch p - Profile angle a
No.15 / milled, without chamfer, HSS ✓	AA	8,9 x 2,5 x 4 ✓	0,3 - 90°
No.16 / milled, without chamfer, PM ✓	BL 15°	10 x 3 x 6 ✓	0,4 - 90°
No.17 / milled, with chamfer, HSS ✓	BR15°	14,5 x 3 x 5 ✓	0,5 - 90°
No.18 / milled, with chamfer, PM ✓	BL30°	15 x 4 x 8 ✓	0,6 - 90°
No.35 / ground, without chamfer, PM ✓	BR30°	21,5 x 5 x 8 ✓	0,7
No.37 / ground, with chamfer, PM ✓		25 x 6 x 8 ✓	0,8
No.55 / ground, without chamfer, HM ✓		32 x 13 x 16 ✓	0,9
No.57 / ground, with chamfer, HM ✓		42 x 13 x 16 ✓	1,0
			1,2
			1,5
			1,6
			1,8
			2,0 - 90°

Please choose your options by combining the four columns accordingly. HSS = High Speed Cutting Steel PM = Powder metallurgy Steel HM = Carbide

ZEUS Form Knurling Tools

Optimal solutions for knurling applications.

Unbeatable benefits:

- **High precision** for excellent knurling profiles. Low radial pressure on the work piece.
- **Easy tool handling** and adjustment of work piece diameter. With scale for setting the work piece Ø.
- **Rigid tool design** offers high process safety and excellent knurling quality.
- **Knurling wheel options:** PVD coatings for increased wheel life.
- **Special surface hardening** of the tool shank for increased tool life (nitriding).
- **Application oriented** tool solutions. Suitable for small machines and small work piece diameters.

Zeus Form Knurling Wheels guarantee an optimal tool life, high precision and absolute process safety:

- **Teeth fine milled, front and bore ground:** high quality of knurling pattern
- **Vacuum hardened:** increase in tool life
- **Knurling wheel options:** PVD coatings for increased wheel life (✓)
- **Exclusive product range**

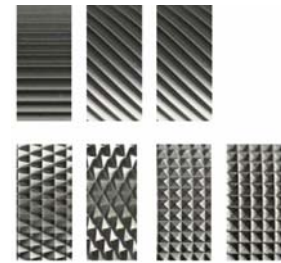
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Best Example:
Zeus RD2

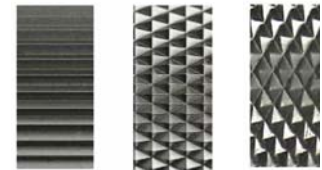
Tool Series:

RD1



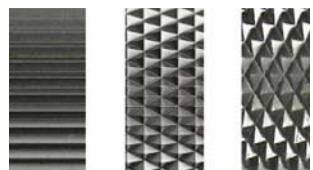
All knurling profiles possible

RD2

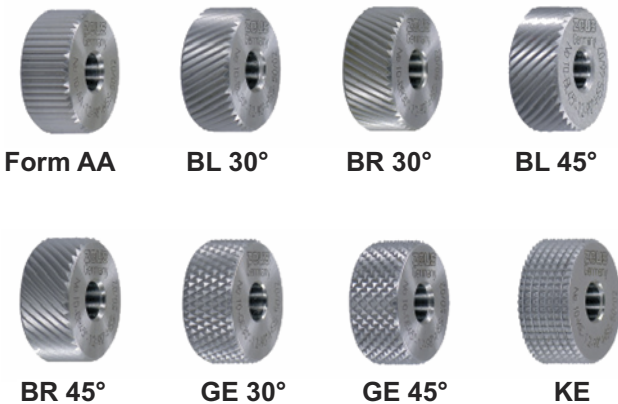


RAA, RGE30°, RGE45°

RD3



RAA, RGE30°, RGE45°



Form AA

BL 30°

BR 30°

BL 45°

BR 45°

GE 30°

GE 45°

KE

ZEUS Marking Tools - Turned Part Marking On (Auto) Lathe

Leave your mark with Zeus marking tools.

Unbeatable benefits:

- **Application oriented** tool solutions. Marking of work pieces on the (auto) lathe directly.
- **Customized tool** solutions. Each tool is designed according to the applications specific requirements.
- **Cost reduction.** No additional manual processing step or additional setting time required.
- **Individuality.** Branding of turned-parts with company name or logo.

Turned part marking application benefits:

- **Unique product allocation and traceability** through product identification
- **Unique supplier allocation**
- **Improved production data**
- **Branding possibilities**



Leave your mark with Zeus marking tools.

Marking Rolls:

- **Customer oriented tool solutions.** Individual tool design for your specific application.
- **Individual design.** Each marking roll is designed to the customer's specific requirements.
- **Cost effective.** Customized solutions for standard price.

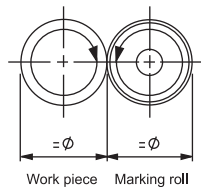
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Continuous Roll Marking System:

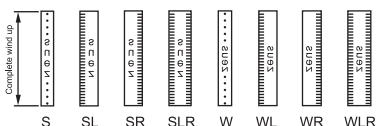


No. 40
Marking roll continuously rotating

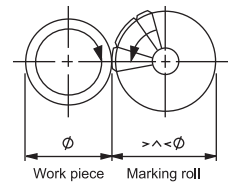


Marking types on work piece

For marking tools:
MC1 - Series
MCC1 - Series

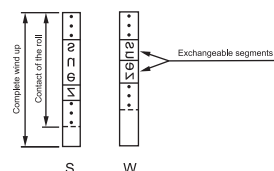


No. 41
Marking roll partially rotating



For marking tools:
MRS1 - Series

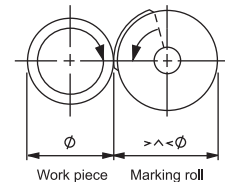
Marking types on work piece



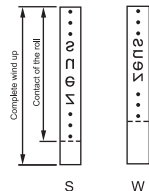
Spring Return Marking System:



No. 41
Marking roll partially rotating



For marking tools:
MR1 - Series



Marking types on work piece



Best Example:
Zeus MRS1

Tool Series:



MC1



MRS1



MR1