

zeus® MARKING TECHNOLOGY REVOLVING SYSTEM

The revolving system is particularly useful for large and middle-sized series. The marking roll is custom-built and adapted to the diameter of each individual workpiece. Thanks to the user-friendly mount system, operators can exchange the rolls quickly and easily so that the tool can be used for a broad range of different workpieces and markings.

TECHNICAL FEATURES:

- Marking rolls are specially built to match the diameter of the workpiece.
- The roll's diameter is about 0.15 mm smaller than the diameter of the workpiece.
- Multiple revolutions ensure perfect precision and definition of the impression.
- Driving knurls provide for perfect revolutions.
- Perfect concentricity is essential!
- The workpiece diameter must be guaranteed with only minute tolerances (+/- 0.025).

BENEFITS FOR THE USER:

- Easy handling.
- Fast and economic.
- Suitable for large and medium-sized series.
- Marking rolls can be easily exchanged.
- Lateral driving knurls may be removed after marking.
- Special characters may be used instead of driving knurls, e.g. logos, backslashes, stars, diamonds etc.
- The reading direction may be flipped by flipping the roll 180 degrees.

Please find more information concerning individual marking systems in the corresponding product descriptions and in the technical appendix.



zeus® MARKING TECHNOLOGY
REVOLVING SYSTEM

TOOL SERIES MC1

Tools:

- 130-08/10/12/14/16/20



- 131-08/10/12/16



- 131-20/25

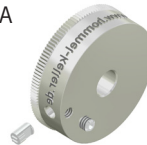


Marking rolls for MC1 series

- 40



- 40-A



TOOL SERIES MCC1
FOR TAPERED APPLICATIONS AND MARKING OF FACES:

Tools:

- 311



- 312



Marking rolls for MCC1 series

- 40-K



zeus® MARKING TECHNOLOGY

**MARKING ROLL NO. 40
REVOLVING SYSTEM**

Marking roll No. 40 is the roll of choice for large and medium-sized series with identical text/characters. Every roll is specially built to match the particular requirements of the application at hand.

STANDARD DESIGN:

- Material: 1.2436
- Hardness: 61 – 63 HRC
- Flank angle: 90°
- Typeface: DIN 1451
- Roll width: 4/6/8/10 mm
- Max. character height: roll width minus 1 mm

Deviations from standard design are optionally available (i.e. different materials, flank angles, typefaces and roll widths).



TECHNICAL FEATURES:

- The design of marking roll No. 40 is based on the diameter of the workpiece.
- The roll's diameter is about 0.15 mm smaller than the diameter of the workpiece.
- There are special driving points / knurls that provide for the perfect revolving application of the marking. (See possible types of marking). Lateral driving knurls may be removed after marking.

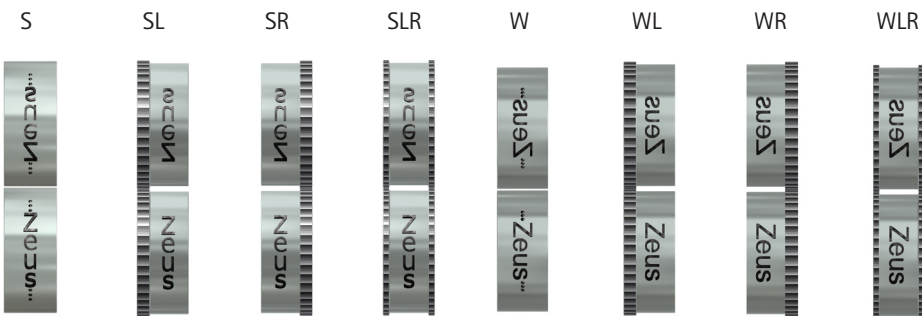
BENEFITS FOR THE USER:

- Easy handling.
- Fast and economic.
- Suitable for series production.
- Marking rolls can be easily exchanged.
- Special characters may be used instead of driving knurls, e.g. logos, backslashes, stars, diamonds etc.
- The reading direction may be flipped by flipping the roll 180 degrees.

FOR MARKING TOOLS:

- Series MC1:
- 130-08/10/12/14
 - 131-08/10/12/16
 - 131-20/25

Possible types of marking:



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**MARKING ROLL NO. 40-A
REVOLVING SYSTEM**

Marking roll No. 40-A is also suitable for large and medium-sized series – and sports an additional feature that allows the operator to exchange individual characters. This may be useful when workpieces must be marked with batch numbers or production dates.

STANDARD DESIGN:

- Material: 1.2436
- Hardness: 61 – 63 HRC
- Flank angle: 90°
- Typeface: DIN 1451
- Roll width: 4/6/8/10 mm
- Max. character height: roll width minus 1 mm

Deviations from standard design are optionally available (i.e. different materials, flank angles, typefaces and roll widths).

TECHNICAL FEATURES:

- The design of marking roll No. 40-A is based on the diameter of the workpiece.
- The roll's diameter is about 0.15 mm smaller than the diameter of the workpiece.
- There are special driving points/knurls that provide for the perfect revolving application of the marking. (See possible types of marking).
- Marking rolls may be equipped with one or several pins bearing different characters.
That means texts are flexible and may be adapted to multiple applications (e.g. consecutive serial numbers etc.). Lateral driving knurls may be removed after marking.



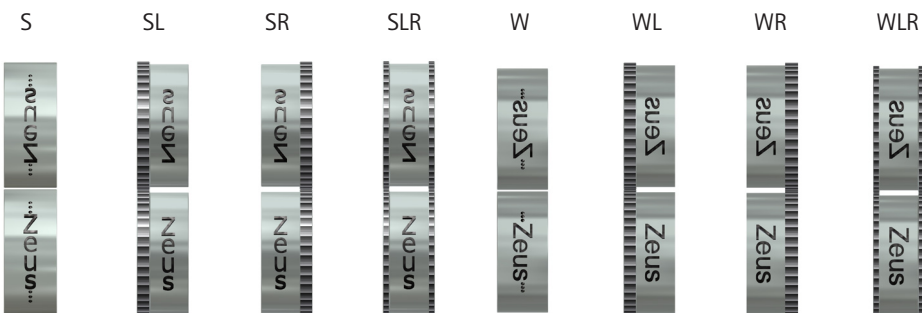
BENEFITS FOR THE USER:

- Easy handling.
- Fast and economic.
- Suitable for series production.
- Exchange the entire roll
- Exchange individual characters.
- Special characters may be used instead of driving knurls, e.g. logos, backslashes, stars, diamonds etc.
- The reading direction may be flipped by flipping the roll 180 degrees.

FOR MARKING TOOLS:

- Series MC1:
- 130-08/10/12/14
 - 131-08/10/12/16
 - 131-20/25

Possible types of marking:



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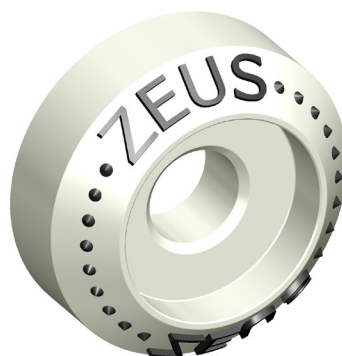
**MARKING ROLL NO. 40-K
REVOLVING SYSTEM**

Marking roll No. 40-K has been designed for marking tapered workpieces and flat faces. This roll guarantees fully impressed, high-precision impressions on special workpieces.

STANDARD DESIGN:

- Material: 1.2436
- Hardness: 61 – 63 HRC
- Flank angle: 90°
- Typeface: DIN 1451
- Roll width: depends on customer's application
- Max. character height: depends on customer's application

Deviations from standard design are optionally available (i.e. different materials, flank angles, typefaces and roll widths).



TECHNICAL FEATURES:

- The design of marking roll No. 40-K is based on the diameter of the workpiece.
- The roll's diameter is about 0.15 mm smaller than the diameter of the workpiece.
- There are special driving points / knurls that provide for the perfect revolving application of the marking. (See possible types of marking). Lateral driving knurls may be removed after marking.

BENEFITS FOR THE USER:

- Easy handling.
- Fast and economic.
- Suitable for series production.
- Marking rolls can be easily exchanged.
- Special characters may be used instead of driving knurls, e.g. logos, backslashes, stars, diamonds etc.
- The reading direction may be flipped by flipping the roll 180 degrees.

FOR MARKING TOOLS:

Series MCC1:

- 311
- 312

Possible types of marking:

