

# MINIMILL

Nut- und Formzirkularfräsen

groove milling by circular interpolation

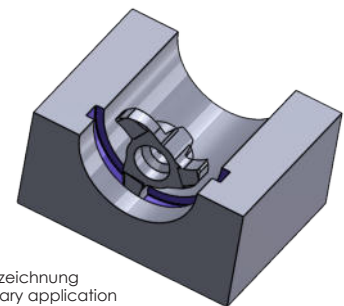
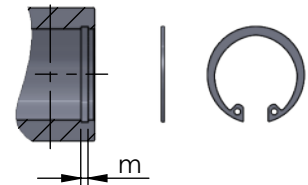
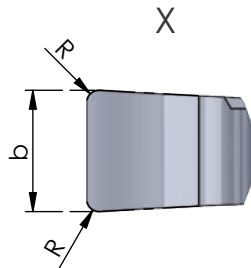
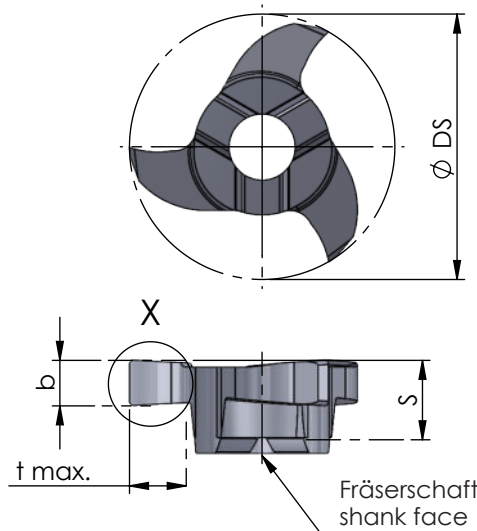
# Typ Z10

Sicherungsringe DIN 471 / 472 und Nutfräsen allgemein

for circlip grooves DIN 471 / 472 and groove milling general use

D min. 10 mm  
t max. = 1.5

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t max. = 1.5



Beispielzeichnung  
exemplary application

Abmessungen in mm

dimensions in mm

| Bestellnummer<br>part number | D min. | Nut-Maß m<br>groove dim. m | DIN 471 / DIN 472 | S   | R   | Ø DS | b +0.02<br>(* b -0.02) | t max. | Zähnezahl<br>number of teeth | K10F | AL41F | P18C | für Fräseschaft<br>for milling shank |
|------------------------------|--------|----------------------------|-------------------|-----|-----|------|------------------------|--------|------------------------------|------|-------|------|--------------------------------------|
| Z10.0070.00                  | 10     | 0.7                        |                   | 3.4 | -   | 9.7  | 0.74*                  | 1.5    | 3                            | ●    |       |      | ZH10...                              |
| Z10.0080.00                  | 10     | 0.8                        |                   | 3.4 | -   | 9.7  | 0.84*                  | 1.5    | 3                            | ●    |       |      |                                      |
| Z10.0090.00                  | 10     | 0.9                        |                   | 3.4 | -   | 9.7  | 0.94*                  | 1.5    | 3                            | ●    |       |      |                                      |
| Z10.0100.00                  | 10     | -                          | -                 | 3.4 | 0.1 | 9.7  | 1.00                   | 1.5    | 3                            | ●    |       |      |                                      |
| Z10.0110.00                  | 10     | 1.1                        |                   | 3.5 | -   | 9.7  | 1.21*                  | 1.5    | 3                            | ●    |       |      |                                      |
| Z10.0130.00                  | 10     | 1.3                        |                   | 3.5 | 0.1 | 9.7  | 1.41*                  | 1.5    | 3                            | ●    |       |      |                                      |
| Z10.0150.00                  | 10     | -                          | -                 | 3.5 | 0.2 | 9.7  | 1.50                   | 1.5    | 3                            | ●    |       |      |                                      |
| Z10.0160.00                  | 10     | 1.6                        |                   | 3.5 | 0.1 | 9.7  | 1.71*                  | 1.5    | 3                            | ●    |       |      |                                      |
| Z10.0200.00                  | 10     | -                          | -                 | 3.5 | 0.2 | 9.7  | 2.00                   | 1.5    | 3                            | ●    |       |      |                                      |
| Z10.0250.00                  | 10     | -                          | -                 | 3.5 | 0.2 | 9.7  | 2.50                   | 1.5    | 3                            | ●    |       |      |                                      |

Weitere HM Sorten können Sie in der Sortenübersicht im Kapitel "Technische Hinweise" und der Preisliste finden.

Bestellbeispiel:  
für Sorte AL41F:  
Z10.0160.00/AL41F

More carbide grades you can find in the grades summary in the chapter "technical instructions" and in the price list.

order-example:  
grade AL41F:  
Z10.0160.00/AL41F