

# MINIMILL

Nut- und Formzirkularfräsen

groove milling by circular interpolation

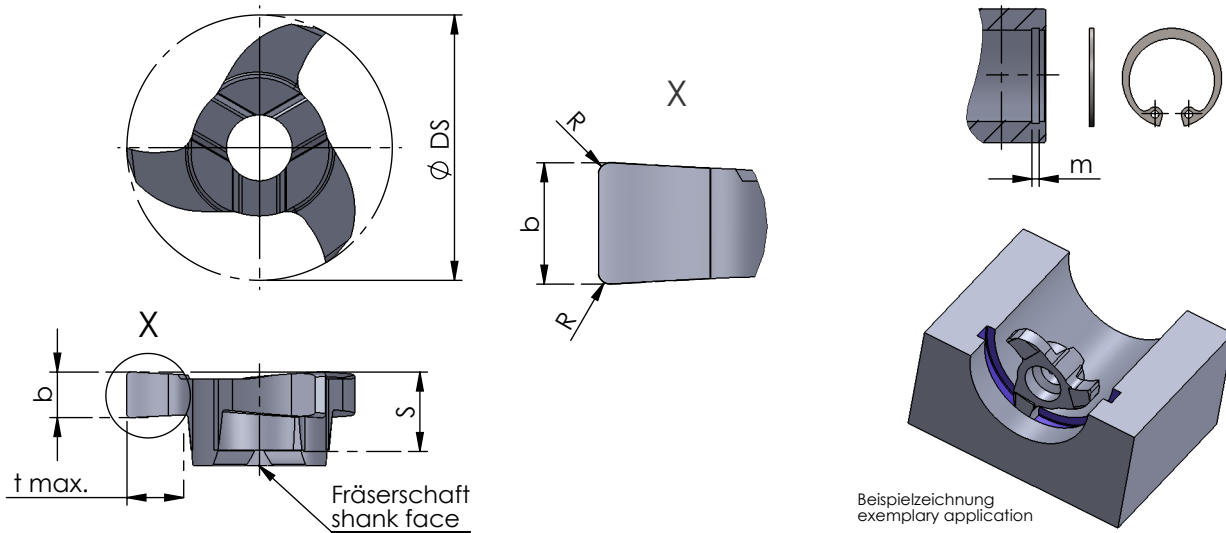
# Typ Z12

Sicherungsringe DIN 471 / 472 und Nutfräsen allgemein

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

D min. 12 mm  
t max. = 2.5

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t max. = 2.5



Abmessungen in mm

dimensions in mm



Bestellnummer part number	D min.	Nut-Maß m groove dim. m DIN 471 / DIN 472	S	R	$\varnothing DS$	b +0.02 (* b -0.02)	b (inch)	t max.	Zähnezahl number of teeth	Material			für Frälerschaft for toolholder type
										K10F	AL41F	P18C	
<b>neu</b> Z12.0110.00	12	1.1	3.5	-	11.7	1.21*		2.5	3	●	●	●	ZH10
Z12.0117.00	12	-	3.5	-	11.7	1.17	0.046"	2.5	3	●	●	●	
<b>neu</b> Z12.0130.00	12	1.3	3.5	0.1	11.7	1.41*		2.5	3	●	●	●	
<b>neu</b> Z12.0142.01	12	-	3.5	0.1	11.7	1.42	0.056"	2.5	3	●	●	●	
<b>neu</b> Z12.0150.02	12	-	3.5	0.2	11.7	1.50		2.5	3	●	●	●	
<b>neu</b> Z12.0157.02	12	-	3.5	0.2	11.7	1.57	0.062"	2.5	3	●	●	●	
<b>neu</b> Z12.0160.00	12	1.6	3.5	0.1	11.7	1.71*		2.5	3	●	●	●	
<b>neu</b> Z12.0198.02	12	-	3.5	0.2	11.7	1.98	0.078"	2.5	3	●	●	●	
<b>neu</b> Z12.0200.00	12	-	3.5	0.2	11.7	2.00		2.5	3	●	●	●	
<b>neu</b> Z12.0238.02	12	-	3.5	0.2	11.7	2.39	0.094"	2.5	3	●	●	●	
Z12.0250.00	12	-	3.5	0.2	11.7	2.50		2.5	3	●	●	●	

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

Bestellbeispiel:  
für Sorte AL41F:  
Z12.0160.00/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:  
Z12.0160.00/AL41F