



Mikromill



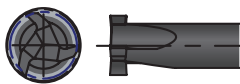
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Übersicht

Nut- und Formzirkularfräsen

groove milling
by circular interpolation

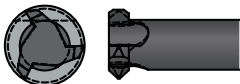
summary



MA6 / MB6 + MA8 / MB8
Nutfräsen allgemein
ab Bohrung Ø 6 mm

**MA6 / MB6
+ MA8 / MB8**
groove milling general use
min. bore Ø 6 mm

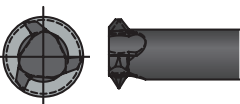
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MA6 / MB6 + MA8 / MB8
Vorwärts- und
Rückwärtsfasen
ab Bohrung Ø 6 mm

**MA6 / MB6
+ MA8 / MB8**
forward and backward
chamfering
min. bore Ø 6 mm

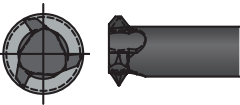
... 244



MA3 + MA5
metrisches ISO-Gewinde
ab Bohrung Ø 1.25 mm

MA3 + MA5
metric standard threading
min. bore Ø 1.25 mm

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MA6 / MB6 + MA8 / MB8
metrisches ISO-Gewinde
ab Bohrung Ø 6 mm

**MA6 / MB6
+ MA8 / MB8**
metric standard threading
min. bore Ø 6 mm

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Notizen

notice

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Nut- und Formzirkularfräsen

groove milling
by circular interpolation



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Nut- und Formzirkularfräsen

groove milling
by circular interpolation

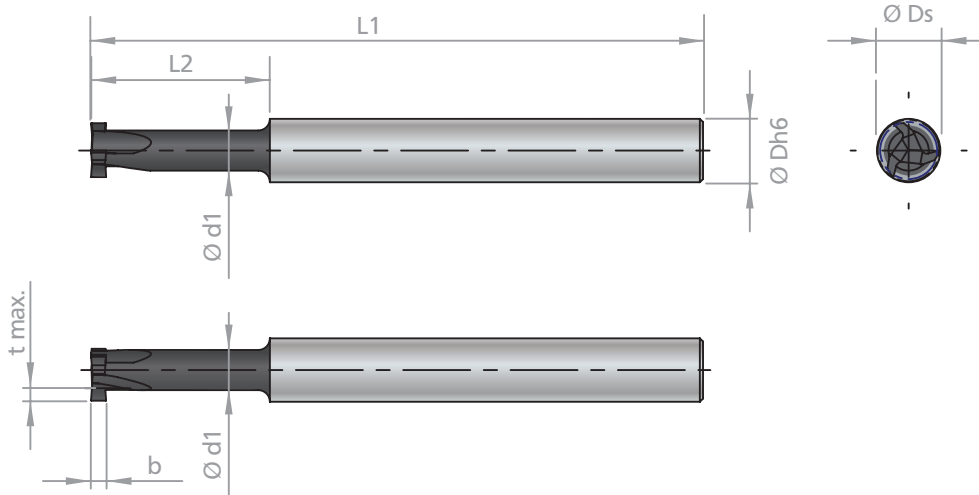
MA6 / MB6 + MA8 / MB8

Nutfräsen allgemein

groove milling general use

ab Bohrung Ø 6 mm
min. bore Ø 6 mm

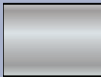
min. bore from Ø 6 mm



Abmessungen in mm

dimensions in mm

Version A
version A



Schaft nach DIN 6535A
toolholder DIN 6535A

Bestellnummer part number	D min.	b ±0.02	L2	L1	Ø d h6	Ø d1	Ø DS	t max.	Schneidenzahl cutting edge
MA6.0070.00-15	6.0	0.7	15.0	58.0	6.0	3.8	5.8	0.8	3
MA6.0080.00-15	6.0	0.8	15.0	58.0	6.0	3.8	5.8	0.8	3
MA6.0090.00-15	6.0	0.9	15.0	58.0	6.0	3.8	5.8	0.8	3
MA6.0100.00-15	6.0	1.0	15.0	58.0	6.0	3.8	5.8	0.8	3
MA6.0150.00-15	6.0	1.5	15.0	58.0	6.0	3.8	5.8	0.8	3
MA8.0070.00-25	8.0	0.7	25.0	68.0	8.0	5.0	7.8	1.2	3
MA8.0080.00-25	8.0	0.8	25.0	68.0	8.0	5.0	7.8	1.2	3
MA8.0090.00-25	8.0	0.9	25.0	68.0	8.0	5.0	7.8	1.2	3
MA8.0100.00-25	8.0	1.0	25.0	68.0	8.0	5.0	7.8	1.2	3
MA8.0150.00-25	8.0	1.5	25.0	68.0	8.0	5.0	7.8	1.2	3
MA8.0200.00-25	8.0	2.0	25.0	68.0	8.0	5.0	7.8	1.2	3

Bestellbeispiel:
für Sorte AL41F:
MA6.0070.00-15/AL41F

order-example:
grade AL41F
MA6.0070.00-15/AL41F

MA6 / MB6 + MA8 / MB8

Nutfräsen allgemein

ab Bohrung Ø 6 mm
min. bore Ø 6 mm

groove milling general use

min. bore from Ø 6 mm

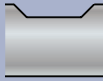
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Nut- und Formzirkularfräsen

groove milling
by circular interpolation



Version B
version B



Schaft nach DIN 6535B
toolholder DIN 6535B

Bestellnummer
part number

D min.

b ±0.02

L2

L1

Ø d h6

Ø d1

Ø DS

t max.

Schneidenzahl
cutting edge

MB6.0070.00-15	6.0	0.7	15.0	58.0	6.0	3.8	5.8	0.8	3
MB6.0080.00-15	6.0	0.8	15.0	58.0	6.0	3.8	5.8	0.8	3
MB6.0090.00-15	6.0	0.9	15.0	58.0	6.0	3.8	5.8	0.8	3
MB6.0100.00-15	6.0	1.0	15.0	58.0	6.0	3.8	5.8	0.8	3
MB6.0150.00-15	6.0	1.5	15.0	58.0	6.0	3.8	5.8	0.8	3
MB8.0070.00-25	8.0	0.7	25.0	68.0	8.0	5.0	7.8	1.2	3
MB8.0080.00-25	8.0	0.8	25.0	68.0	8.0	5.0	7.8	1.2	3
MB8.0090.00-25	8.0	0.9	25.0	68.0	8.0	5.0	7.8	1.2	3
MB8.0100.00-25	8.0	1.0	25.0	68.0	8.0	5.0	7.8	1.2	3
MB8.0150.00-25	8.0	1.5	25.0	68.0	8.0	5.0	7.8	1.2	3
MB8.0200.00-25	8.0	2.0	25.0	68.0	8.0	5.0	7.8	1.2	3



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Nut- und Formzirkularfräsen

groove milling
by circular interpolation

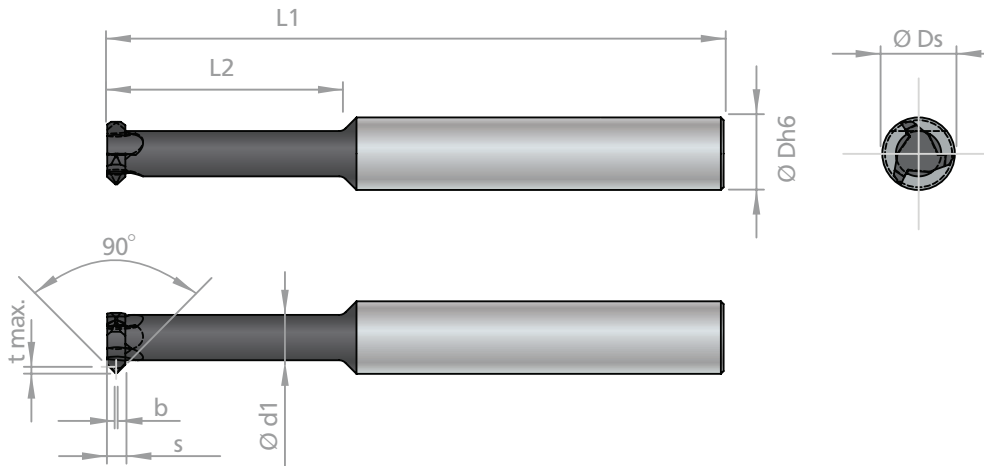
MA6 / MB6 + MA8 / MB8

Vorwärts- und Rückwärtsfasen

forward and backward chamfering

ab Bohrung \varnothing 6 mm

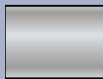
min. bore from \varnothing 6 mm



Abmessungen in mm

dimensions in mm

Version A
version A



Schaft nach DIN 6535A
toolholder DIN 6535A

Bestellnummer
part number

D min.

b

L2

L1

s

\varnothing d h6

\varnothing d1

\varnothing DS

t max.

Schneidenzahl
cutting edge

MA6.4545.02-15

6.0

0.2

15.0

58.0

2.0

6.0

4.0

5.8

0.6

3

MA6.4545.02-25

6.0

0.2

25.0

68.0

2.0

6.0

4.0

5.8

0.6

3

MA8.4545.02-25

8.0

0.2

25.0

68.0

2.0

8.0

5.0

7.8

1.2

3

MA8.4545.02-35

8.0

0.2

35.0

78.0

2.0

8.0

5.0

7.8

1.2

3

Bestellbeispiel:
für Sorte AL41F:
MA6.4545.02-15/AL41F

order-example:
grade AL41F
MA6.4545.02-15/AL41F

MA6 / MB6 + MA8 / MB8

Vorwärts- und Rückwärtsfasen

ab Bohrung Ø 6 mm

forward and backward chamfering

min. bore from Ø 6 mm

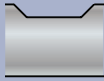
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Nut- und Formzirkularfräsen

groove milling
by circular interpolation



Version B
version B



Schaft nach DIN 6535B
toolholder DIN 6535B

Bestellnummer
part number

D min.

b

L2

L1

s

Ø d h6

Ø d1

Ø DS

t max.

Schneidenzahl
cutting edge

MB6.4545.02-15

6.0

0.2

15.0

58.0

2.0

6.0

4.0

5.8

0.6

3

MB6.4545.02-25

6.0

0.2

25.0

68.0

2.0

6.0

4.0

5.8

0.6

3

MB8.4545.02-25

8.0

0.2

25.0

68.0

2.0

8.0

5.0

7.8

1.2

3

MB8.4545.02-35

8.0

0.2

35.0

78.0

2.0

8.0

5.0

7.8

1.2

3

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Nut- und Formzirkularfräsen

groove milling
by circular interpolation

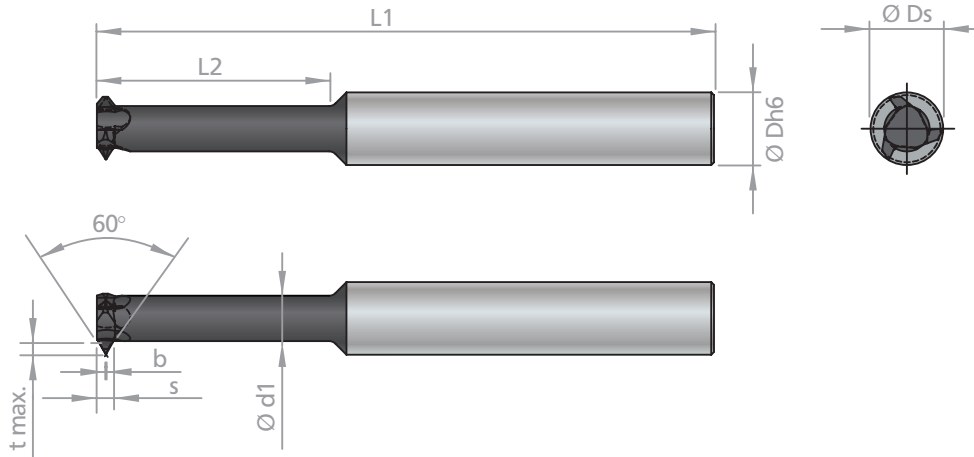
MA3 / MA5

metrisches ISO-Gewinde

metric standard threading

im Teilprofil
ab Bohrung \varnothing 1.25 mm

internal partial profile
min. bore from \varnothing 1.25 mm



Abmessungen in mm

dimensions in mm

Version A
version A



Schaft nach DIN 6535A
toolholder DIN 6535A

Bestellnummer part number	Gewinde thread	Steigung P pitch P	L		b	s	t max.	Ø d h6	Ø d1	Ø DS	Schneidenzahl cutting edge
			L2	L1							
MA3.0035.01-4	M1.6	0.35	4.0	32	0.04	0.4	0.19	3.0	0.64	1.18	3
MA3.0035.01-5	M1.8	0.35	5.0	32	0.04	0.5	0.19	3.0	0.7	1.38	3
MA3.0040.01-5	M2.0	0.40	5.0	32	0.05	0.56	0.22	3.0	0.9	1.5	4
MA3.0045.01-6	M2.5	0.45	6.0	32	0.06	0.6	0.25	3.0	1.15	1.95	4
MA3.0050.01-7	M3.0	0.50	7.0	32	0.06	0.6	0.27	3.0	1.6	2.4	4
MA3.0060.01-8	M3.5	0.60	8.0	32	0.08	0.74	0.33	3.0	1.8	2.8	4
MA5.0070.01-9	M4.0	0.70	9.0	44	0.09	0.82	0.38	5.0	1.98	3.1	4
MA5.0080.01-10	M5.0	0.80	12.0	44	0.10	0.98	0.43	5.0	2.2	3.6	4
MA5.0100.01-12	M6.0	1.00	12.2	44	0.13	0.98	0.54	5.0	2.7	4.1	4
MA5.0100.01-15	M7.0	1.00	15.2	44	0.13	1.16	0.54	5.0	3.26	4.9	4

Bestellbeispiel: für Sorte AL41F:
MA3.0035.01-4/AL41F

für hochfeste Werkstoffe
- Titan
- gehärtete Werkstoffe bis 65 HRC

order-example: grade AL41F
MA3.0035.01-4/AL41F

For hard materials
- titanium
- hardened steel up to 65 HRC

MA6 / MB6 + MA8 / MB8

metrisches ISO-Gewinde

im Teilprofil
ab Bohrung Ø 6 mm

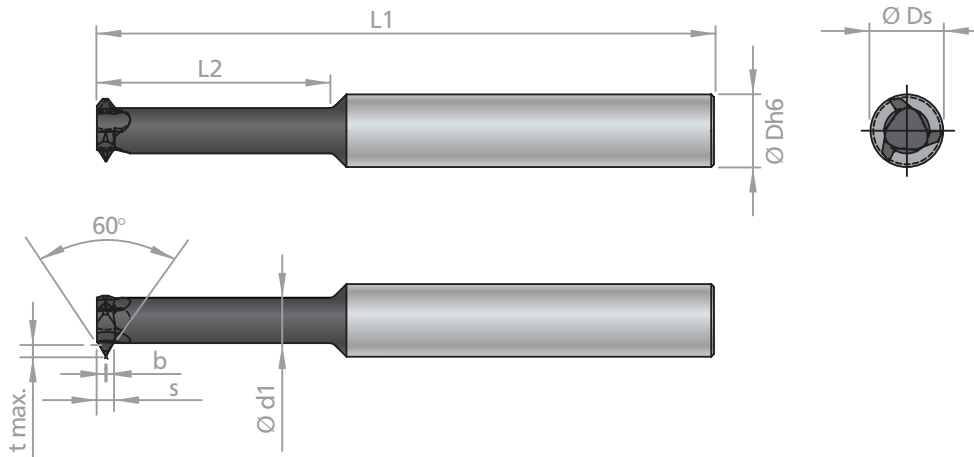
metric standard threading

internal partial profile
min. bore from Ø 6 mm

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Nut- und Formzirkularfräsen

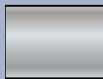
groove milling
by circular interpolation



Abmessungen in mm

dimensions in mm

Version A
version A



Schaft nach DIN 6535A
toolholder DIN 6535A

Bestellnummer
part number

D min.

Steigung P
pitch P

L2

L1

b

s

t max.

Ø d h6

Ø d1

Ø DS

Schneidenzahl
cutting edge

MA6.0815.01-15	6.0	0.5 - 1.5	15.0	58.0	0.06	1.6	0.91	6.0	3.5	5.8	3
MA8.0815.01-25	8.0	0.5 - 1.5	25.0	68.0	0.06	2.0	0.91	8.0	5.5	7.8	3
MA8.1020.01-25	8.0	1.0 - 2.0	25.0	68.0	0.12	2.0	1.19	8.0	5.0	7.8	3

Version B
version B



Schaft nach DIN 6535B
toolholder DIN 6535B

MB6.0815.01-15	6.0	0.5 - 1.5	15.0	58.0	0.06	1.6	0.91	6.0	3.5	5.8	3
MB8.0815.01-25	8.0	0.5 - 1.5	25.0	68.0	0.06	2.0	0.91	8.0	5.5	7.8	3
MB8.1020.01-25	8.0	1.0 - 2.0	25.0	68.0	0.12	2.0	1.19	8.0	5.0	7.8	3

Bestellbeispiel:
für Sorte AL41F:
MA6.4545.02-15/AL41F

order-example:
grade AL41F
MA6.4545.02-15/AL41F