

PRODUCT OVERVIEW



THE RIGHT TOOL. AT ALL TIMES.

Welcome to Hofmann & Vratny. As leading manufacturer of solid carbide tools, we enable companies throughout the world to manufacture their products.

Every day, our strong team works on our collective goal of producing the best tools in the world. Companies from the medical industry, semi-conductor industry, machine and plant construction, aviation, aerospace engineering and, not least, the automotive industry have been using our milling cutters for decades now. Quality – Made in Bavaria.

The success of our company is built on innovation, a culture of cooperation, open interaction with high respect and many years of successful and trustful collaboration with our business partners. You can always count on us, our tools and our irrepressible drive to shape the future of the industry together. To us, that means shaping tomorrow.


Andreas Vratny


Zdenek Vratny


Marius Heinemann-Grüder

50
YEARS OF
EXPERIENCE

2 Mio.
TOOLS
PRODUCED
EVERY YEAR

MILLING CUTTERS



PROVEN QUALITY

DRILLS



PROVEN QUALITY

NUMBERING SYSTEM

DISTINGUISHING FEATURES

PRODUCT LINE

- BC Basic
- EX Expert

TOOL TYPE

- D Drilling
- M Milling
- T Threading
- R Reaming

TOOL VERSION

- M01 End mill cutter | PERFORMMAKER
- M02 Roughing cutter | SLOTMAKER
- M03 Trochoidal cutter | CHIPMAKER
- M04 Finishing cutter | MIRRORMAKER
- M05 Single flute cutter | BALANCEMAKER
- M06 Torus cutter | FORMMAKER
- M07 Face torus cutter | BLADEMAKER
- M08 Full radius cutter | ROWMAKER
- M09 Deburring cutter | CHAMFMAKER
- M10 Forward and backward deburring cutter | FB CHAMFMAKER
- M11 Corner rounding cutter | ROUNDMAKER
- M12 Forward and backward corner rounding cutter | FB ROUNDMAKER
- M13 Engraving cutter | TEXTMAKER
- M14 Conical cutter | SLOPEMAKER
- M15 Micro end mill cutter | PERFORMMAKER MICRO
- M16 Micro torus cutter | FORMMAKER MICRO
- M17 Micro full radius cutter | ROWMAKER MICRO
- M26 Ball cutter | SMOOTHMAKER
- M27 Chamfer cutter | BEVELMAKER
- D01 Spiral drill | COREMAKER

BC U 1 - M 01 - 0293

MAIN APPLICATION

- PK Steel & Cast Iron
- H Hardened Steel
- M Stainless Steel
- O Graphite, CRP/GRP
- T Titanium
- S Superalloy
- N NF Material
- U Universal

VERSION

- 1 Version 1.0
- 2 Version 2.0
- 3 Version 3.0

OTHER DISTINGUISHING FEATURES

BC U 1 - M 01 - XXXY - 12/0,5

XXX = PRODUCT IDENT

Y = SHANK TYPE

- 3 = HA
- 4 = HB
- 5 = HE

DIMENSION

- 3x10 Cutting diameter x length of undercut
- 12/0,5 Cutting diameter / corner radius
- 10 Diameter

EXPLANATION APPLICATIONS

 Multipass milling	 Trimming	 Deburring	 Engraving
 Corner rounding	 Full slot milling	 Forward and backward deburring	 Helical immersion
 Feed directions x,y	 Feed directions x, y, z	 Feed directions x, y, (z = ramping)	 Drilling

BCU1 SERIES

SOLID QUALITY FOR PRICE-SENSITIVE APPLICATIONS.

(Page references are based on the latest print version: 2024)



BCU1-M01 PERFORMMAKER | END MILL CUTTER

P.

BCU1-M01-0103	Ø3-20 BCU1 Performmaker Z3 1,5xD BUI	38
BCU1-M01-0104	Ø3-20 BCU1 Performmaker Z3 1,5xD BUI	40
BCU1-M01-0113	Ø2-20 BCU1 Performmaker Z3 2xD BUI	42
BCU1-M01-0114	Ø2-20 BCU1 Performmaker Z3 2xD BUI	44
BCU1-M01-0123	Ø4-20 BCU1 Performmaker Z3 3xD BUI	46
BCU1-M01-0124	Ø4-20 BCU1 Performmaker Z3 3xD BUI	48
BCU1-M01-0203	Ø3-20 BCU1 Performmaker Z4 1,5xD BUI	50
BCU1-M01-0204	Ø3-20 BCU1 Performmaker Z4 1,5xD BUI	52



NEW BCU1-M01-0213 | Ø2-25 BCU1 Performmaker Z4 2xD BUI 54 Ø7, 14, 18, 25



NEW BCU1-M01-0214 | Ø2-25 BCU1 Performmaker Z4 2xD BUI 58 Ø7, 14, 18, 25



BCU1-M01-0223 | Ø4-20 BCU1 Performmaker Z4 3xD BUI 62



BCU1-M01-0224 | Ø4-20 BCU1 Performmaker Z4 3xD BUI 64



NEW BCU1-M01-0313 | Ø6-20 BCU1 Performmaker Z5 2xD BUI 66



NEW BCU1-M01-0314 | Ø6-20 BCU1 Performmaker Z5 2xD BUI 68



NEW BCU1-M01-0413 | Ø6-20 BCU1 Performmaker Z4 2xD long BUI 70



NEW BCU1-M01-0414 | Ø6-20 BCU1 Performmaker Z4 2xD long BUI 72



BCU1-M02 SLOTMAKER | ROUGHING CUTTER

P.

BCU1-M02-0103	Ø4-20 BCU1 Slotmaker Z4 2xD BUI	74
BCU1-M02-0104	Ø4-20 BCU1 Slotmaker Z4 2xD BUI	76
BCU1-M02-0113	Ø4-20 BCU1 Slotmaker Z4 3xD BUI	78
BCU1-M02-0114	Ø4-20 BCU1 Slotmaker Z4 3xD BUI	80



BCU1-M03 CHIPMAKER | TROCHOIDAL CUTTER

BCU1-M03-0123	Ø6-16 BCU1 Chipmaker Z5 3,5xD BUI	82
BCU1-M03-0124	Ø6-16 BCU1 Chipmaker Z5 3,5xD BUI	84



BCU1-M04 MIRRORMAKER | FINISHING CUTTER

NEW BCU1-M04-0123 | Ø6-16 BCU1 Mirrormaker Z5 3,5xD BUI 86



BCU1-M06 FORMMAKER | TORUS CUTTER

BCU1-M06-0123	Ø6-20 BCU1 Formmaker Z4 2xD BUI	88
BCU1-M06-0124	Ø6-20 BCU1 Formmaker Z4 2xD BUI	92



BCU1-M08 ROWMAKER | FULL RADIUS CUTTER

BCU1-M08-0053	Ø0,5-12 BCU1 Rowmaker Z2 1xD short BUI	96
BCU1-M08-0063	Ø0,5-12 BCU1 Rowmaker Z2 1xD long BUI	98
BCU1-M08-0073	Ø1-12 BCU1 Rowmaker Z2 1xD overlong BUI	100



BCU1-M09 CHAMFMAKER

DEBURRING CUTTER

p.

Application

BCU1-M09-0103 | Ø1-16 BCU1 Chamfmaker Z3-4 60° BUI

102

BCU1-M09-0104 | Ø6-16 BCU1 Chamfmaker Z4 60° BUI

104

BCU1-M09-0153 | Ø1-16 BCU1 Chamfmaker Z3-4 90° BUI

106

BCU1-M09-0154 | Ø6-16 BCU1 Chamfmaker Z4 90° BUI

108

NEW BCU1-M09-0203 | Ø4-16 BCU1 Chamfmaker Z4 60° BUI

110

NEW BCU1-M09-0204 | Ø6-16 BCU1 Chamfmaker Z4 60° BUI

112

NEW BCU1-M09-0253 | Ø4-16 BCU1 Chamfmaker Z4 90° BUI

114

NEW BCU1-M09-0254 | Ø6-16 BCU1 Chamfmaker Z4 90° BUI

116

BCU1-M10 FB-CHAMFMAKER

FORWARD AND BACKWARD DEBURRING CUTTER

Application

BCU1-M10-0023 | Ø2-12 BCU1 FB-Chamfmaker Z4 90° BUI

118

BCU1-M10-0123 | Ø3-12 BCU1 FB-Chamfmaker Z4 90° BUI

120

BCU1-M11 ROUNDMAKER

CORNER ROUNDING CUTTER

Application

BCU1-M11-0023 | Ø3-10 BCU1 Roundmaker Z4 BUI

122

BCU1-M12 FB-ROUNDMAKER

FORWARD AND BACKWARD CORNER ROUNDING CUTTER

Application

BCU1-M12-0023 | Ø5-8,4 BCU1 FB-Roundmaker Z4 BUI

124

BCU1-M13 TEXTMAKER

ENGRAVING CUTTER

Application

NEW BCU1-M13-0123 | Ø3-6 BCU1 Textmaker Z2 BUI

126

BCU1-M26 SMOOTHMAKER

BALL CUTTER

Application

NEW BCU1-M26-0123 | Ø0,8-9,8 BCU1 Smoothmaker Z2 260° BUI

128

BCU1-M27 BEVELMAKER

CHAMFER CUTTER

p.

Application

NEW BCU1-M27-0123 | Ø3-12 BCU1 Bevelmaker Z2 60° BUI

130

NEW BCU1-M27-0143 | Ø1-12 BCU1 Bevelmaker Z2 90° BUI

132

BCU1-D01 COREMAKER

SPIRAL DRILL

Application

NEW BCU1-D01-0213 | Ø3-12 BCU1 Coremaker Z2 3xD IC BUI

134

NEW BCU1-D01-0214 | Ø3-12 BCU1 Coremaker Z2 3xD IC BUI

140

NEW BCU1-D01-0215 | Ø3-12 BCU1 Coremaker Z2 3xD IC BUI

146

NEW BCU1-D01-0223 | Ø2,5-14 BCU1 Coremaker Z2 5xD IC BUI

152

NEW BCU1-D01-0224 | Ø2,5-14 BCU1 Coremaker Z2 5xD IC BUI

158

NEW BCU1-D01-0225 | Ø2,5-14 BCU1 Coremaker Z2 5xD IC BUI

164

NEW BCU1-D01-0233 | Ø3-14 BCU1 Coremaker Z2 8xD IC BUI

170

NEW BCU1-D01-0234 | Ø3-14 BCU1 Coremaker Z2 8xD IC BUI

176

NEW BCU1-D01-0235 | Ø3-14 BCU1 Coremaker Z2 8xD IC BUI

182



BCU1
BROCHURE

EXPK1 SERIES

EXPERTS FOR STEEL AND CAST IRON.

(Page references are based on the latest print version: 2024)



EXPK1-M01 PERFORMMAKER | END MILL CUTTER P.

EXPK1-M01-0113 | Ø3-20 EXPK1 Performmaker Z4 1,5xD AFPX _____ 40

EXPK1-M01-0114 | Ø3-20 EXPK1 Performmaker Z4 1,5xD AFPX _____ 42

EXPK1-M01-0123 | Ø2-20 EXPK1 Performmaker Z4 2xD AFPX _____ 44

EXPK1-M01-0124 | Ø2-20 EXPK1 Performmaker Z4 2xD AFPX _____ 46

EXPK1-M01-0173 | Ø3-20 EXPK1 Performmaker Z4 1,5xD AFPX _____ 48

EXPK1-M01-0174 | Ø3-20 EXPK1 Performmaker Z4 1,5xD AFPX _____ 50

NEW EXPK1-M01-0183 | Ø2-25 EXPK1 Performmaker Z4 2xD AFPX _____ 52

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NEW EXPK1-M01-0184 | Ø2-25 EXPK1 Performmaker Z4 2xD AFPX _____ 56

Ø7, 14, 18, 25

EXPK1-M01-0223 | Ø6-20 EXPK1 Performmaker Z5 2xD AFPX _____ 60

EXPK1-M01-0224 | Ø6-20 EXPK1 Performmaker Z5 2xD AFPX _____ 62

NEW EXPK1-M01-0323 | Ø3-20 EXPK1 Performmaker Z4 3xD AFPX _____ 64

NEW EXPK1-M01-0324 | Ø3-20 EXPK1 Performmaker Z4 3xD AFPX _____ 66

NEW EXPK1-M01-0423 | Ø6-20 EXPK1 Performmaker Z4 2xD overlong AFPX _____ 68

NEW EXPK1-M01-0424 | Ø6-20 EXPK1 Performmaker Z4 2xD overlong AFPX _____ 70

Application



EXPK1-M02 SLOTMAKER | ROUGHING CUTTER P.

EXPK1-M02-0123 | Ø4-20 EXPK1 Slotmaker Z5 2xD AFPX _____ 72

EXPK1-M02-0124 | Ø4-20 EXPK1 Slotmaker Z5 2xD AFPX _____ 74

EXPK1-M02-0153 | Ø4-20 EXPK1 Slotmaker Z5 3xD AFPX _____ 76

EXPK1-M02-0154 | Ø4-20 EXPK1 Slotmaker Z5 3xD AFPX _____ 78

EXPK1-M02-0223 | Ø4-20 EXPK1 Slotmaker Z5 2xD IC AFPX _____ 80

EXPK1-M02-0224 | Ø4-20 EXPK1 Slotmaker Z5 2xD IC AFPX _____ 82

EXPK1-M02-0253 | Ø4-20 EXPK1 Slotmaker Z5 3xD IC AFPX _____ 84

EXPK1-M02-0254 | Ø4-20 EXPK1 Slotmaker Z5 3xD IC AFPX _____ 86

NEW EXPK1-M02-0323 | Ø6-20 EXPK1 Slotmaker Z5 4xD AFPX _____ 88

NEW EXPK1-M02-0324 | Ø6-20 EXPK1 Slotmaker Z5 4xD AFPX _____ 90

NEW EXPK1-M02-0623 | Ø6-20 EXPK1 Slotmaker Z5 2xD overlong AFPX _____ 92

NEW EXPK1-M02-0624 | Ø6-20 EXPK1 Slotmaker Z5 2xD overlong AFPX _____ 94

Application



EXPK1-M03 CHIPMAKER | TROCHOIDAL CUTTER

p.



EXPK1-M03-0103 | Ø6-20 EXPK1 Chipmaker Z5 2xD AFPX 96



EXPK1-M03-0104 | Ø6-20 EXPK1 Chipmaker Z5 2xD AFPX 100



NEW EXPK1-M03-0113 | Ø6-25 EXPK1 Chipmaker Z5 3xD AFPX 104

Ø25



NEW EXPK1-M03-0114 | Ø6-25 EXPK1 Chipmaker Z5 3xD AFPX 106

Ø25



EXPK1-M03-0123 | Ø6-20 EXPK1 Chipmaker Z5 4xD AFPX 108



EXPK1-M03-0124 | Ø6-20 EXPK1 Chipmaker Z5 4xD AFPX 112



NEW EXPK1-M03-0133 | Ø6-25 EXPK1 Chipmaker Z5 5xD AFPX 116

Ø6, 25



NEW EXPK1-M03-0134 | Ø6-25 EXPK1 Chipmaker Z5 5xD AFPX 118

Ø6, 25



EXPK1-M03-0203 | Ø6-20 EXPK1 Chipmaker Z7 2xD AFPX 120



EXPK1-M03-0204 | Ø6-20 EXPK1 Chipmaker Z7 2xD AFPX 124



EXPK1-M03-0213 | Ø6-20 EXPK1 Chipmaker Z7 3xD AFPX 128



EXPK1-M03-0214 | Ø6-20 EXPK1 Chipmaker Z7 3xD AFPX 130



EXPK1-M03-0223 | Ø6-20 EXPK1 Chipmaker Z7 4xD AFPX 132



EXPK1-M03-0224 | Ø6-20 EXPK1 Chipmaker Z7 4xD AFPX 136



EXPK1-M03-0233 | Ø8-20 EXPK1 Chipmaker Z7 5xD AFPX 140



EXPK1-M03-0234 | Ø8-20 EXPK1 Chipmaker Z7 5xD AFPX 142



EXPK1-M04 MIRRORMAKER | FINISHING CUTTER

p.



EXPK1-M04-0033 | Ø6-20 EXPK1 Mirrmaker Z7 3xD AFPX 144



EXPK1-M04-0043 | Ø6-20 EXPK1 Mirrmaker Z7 4xD AFPX 148



EXPK1-M04-0053 | Ø6-20 EXPK1 Mirrmaker Z7 5xD AFPX 150



EXPK1-M06 FORMMAKER | TORUS CUTTER



EXPK1-M06-0103 | Ø1-20 EXPK1 Formmaker Z4 1xD AFPX 154



EXPK1-M06-0113 | Ø1-20 EXPK1 Formmaker Z4 1xD long AFPX 158



EXPK1-M06-0123 | Ø6-20 EXPK1 Formmaker Z4 2xD AFPX 162



EXPK1-M06-0124 | Ø6-20 EXPK1 Formmaker Z4 2xD AFPX 166



EXPK1-M06-0223 | Ø6-20 EXPK1 Formmaker Z5 2xD AFPX 170



EXPK1-M06-0224 | Ø6-20 EXPK1 Formmaker Z5 2xD AFPX 172



EXPK1-M07 BLADEMAKER | FACE TORUS CUTTER



EXPK1-M07-0023 | Ø2-16 EXPK1 Blademaker Z2-5 0,5xD short AFPX 174



EXPK1-M07-0043 | Ø2-16 EXPK1 Blademaker Z2-5 0,5xD long AFPX 176



EXPK1-M08 ROWMAKER | FULL RADIUS CUTTER P.

EXPK1-M08-0003	Ø0,5-12 EXPK1 Rowmaker Z2 1xD short AFPX	178
EXPK1-M08-0013	Ø0,5-12 EXPK1 Rowmaker Z2 1xD long AFPX	180
EXPK1-M08-0023	Ø1-12 EXPK1 Rowmaker Z2 1xD overlong AFPX	182
EXPK1-M08-0103	Ø0,5-12 EXPK1 Rowmaker Z2 1xD short AFPX	184
EXPK1-M08-0123	Ø1-12 EXPK1 Rowmaker Z2 1xD long AFPX	186
EXPK1-M08-0203	Ø3-16 EXPK1 Rowmaker Z4 1xD short AFPX	188
EXPK1-M08-0223	Ø3-16 EXPK1 Rowmaker Z4 1xD long AFPX	190

Application



EXPK1
BROCHURE



STILL CAN'T FIND A
SUITABLE MILLING
CUTTER?

No problem – simply customize an existing tool. Using our configurator for special milling cutters, you can customize existing tools to your needs in an instant or create your own tools based on predefined types.

WE WILL RESPOND TO ALL
REQUESTS SUBMITTED VIA THE
CONFIGURATOR WITHIN ONE
WORKING DAY AT THE LATEST



EXM1 SERIES

EXPERTS FOR STAINLESS STEEL.

(Page references are based on the latest print version: 2024)

M

EXM1-M01 PERFORMMAKER | END MILL CUTTER

P.

Application



NEW	EXM1-M01-0213	Ø0,5-20 EXM1 Performmaker Z4 1,5xD ANN	34	
NEW	EXM1-M01-0214	Ø3-20 EXM1 Performmaker Z4 1,5xD ANN	36	
NEW	EXM1-M01-0223	Ø0,5-25 EXM1 Performmaker Z4 2xD ANN	38	
NEW	EXM1-M01-0224	Ø2-25 EXM1 Performmaker Z4 2xD ANN	42	
NEW	EXM1-M01-0323	Ø0,5-20 EXM1 Performmaker Z4 3xD ANN	44	
NEW	EXM1-M01-0324	Ø3-20 EXM1 Performmaker Z4 3xD ANN	46	
NEW	EXM1-M01-0423	Ø6-20 EXM1 Performmaker Z4 2xD overlong ANN	48	
NEW	EXM1-M01-0424	Ø6-20 EXM1 Performmaker Z4 2xD overlong ANN	50	
NEW	EXM1-M01-0523	Ø2-25 EXM1 Performmaker Z4 2xD ANN	52	
NEW	EXM1-M01-0524	Ø2-25 EXM1 Performmaker Z4 2xD ANN	54	

EXM1-M02 SLOTMAKER | ROUGHING CUTTER

P.

Application



	EXM1-M02-0123	Ø4-20 EXM1 Slotmaker Z4 2xD ANN	56	
	EXM1-M02-0124	Ø4-20 EXM1 Slotmaker Z4 2xD ANN	58	
	EXM1-M02-0153	Ø4-20 EXM1 Slotmaker Z4 3xD ANN	60	
	EXM1-M02-0154	Ø4-20 EXM1 Slotmaker Z4 3xD ANN	62	
NEW	EXM1-M02-0323	Ø6-20 EXM1 Slotmaker Z4 4xD ANN	64	
NEW	EXM1-M02-0324	Ø6-20 EXM1 Slotmaker Z4 4xD ANN	66	
NEW	EXM1-M02-0623	Ø6-20 EXM1 Slotmaker Z4 2xD overlong ANN	68	
NEW	EXM1-M02-0624	Ø6-20 EXM1 Slotmaker Z4 2xD overlong ANN	70	

EXM1-M03 CHIPMAKER | TROCHOIDAL CUTTER

P.

Application



	EXM1-M03-0103	Ø6-20 EXM1 Chipmaker Z6 2xD ANN	72	
	EXM1-M03-0104	Ø6-20 EXM1 Chipmaker Z6 2xD ANN	76	
	EXM1-M03-0113	Ø6-20 EXM1 Chipmaker Z6 3xD ANN	80	
	EXM1-M03-0114	Ø6-20 EXM1 Chipmaker Z6 3xD ANN	82	
	EXM1-M03-0123	Ø6-20 EXM1 Chipmaker Z6 4xD ANN	84	
	EXM1-M03-0124	Ø6-20 EXM1 Chipmaker Z6 4xD ANN	88	
NEW	EXM1-M03-0133	Ø6-20 EXM1 Chipmaker Z6 5xD ANN	92	
NEW	EXM1-M03-0134	Ø6-20 EXM1 Chipmaker Z6 5xD ANN	94	

DO YOU HAVE BLUNT MILLING CUTTERS
THAT URGENTLY NEED REGRINDING?



DISCOVER OUR H&V REGRINDING SERVICE AND HAVE
YOUR TOOLS RECONDITIONED TO THEIR ORIGINAL STATE!



EXM1-M04 MIRRORMAKER | FINISHING CUTTER

EXM1-M04-0033 | Ø6-20 EXM1 Mirrmaker Z7 3xD ANNX 96

EXM1-M04-0043 | Ø6-20 EXM1 Mirrmaker Z7 4xD ANNX 98

NEW EXM1-M04-0053 | Ø6-20 EXM1 Mirrmaker Z7 5xD ANNX 100

Application



EXM1-M06 FORMMAKER | TORUS CUTTER

NEW EXM1-M06-0053 | Ø1-20 EXM1 Formmaker Z4 2xD ANNX 102

NEW EXM1-M06-0054 | Ø2-20 EXM1 Formmaker Z4 2xD ANNX 106

EXM1-M06-0123 | Ø6-20 EXM1 Formmaker Z5 2xD ANNX 110

EXM1-M06-0124 | Ø6-20 EXM1 Formmaker Z5 2xD ANNX 114

Application



EXM1-M08 ROWMAKER | FULL RADIUS CUTTER

EXM1-M08-0003 | Ø0,5-12 EXM1 Rowmaker Z2 1xD short ANNX 118

EXM1-M08-0013 | Ø0,5-12 EXM1 Rowmaker Z2 1xD long ANNX 120

EXM1-M08-0203 | Ø3-16 EXM1 Rowmaker Z4 1xD short ANNX 122

EXM1-M08-0223 | Ø3-16 EXM1 Rowmaker Z4 1xD long ANNX 124

Application



EXM1-M26 SMOOTHMAKER | BALL CUTTER

NEW EXM1-M26-0123 | Ø0,8-9,8 EXM1 Smoothmaker Z4 280° ANNX 126

Application



EXM1
BROCHURE



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REQUESTS SUBMITTED VIA THE
CONFIGURATOR WITHIN ONE
WORKING DAY AT THE LATEST



EXN1 SERIES

EXPERTS FOR NON-FERROUS MATERIALS.

(Page references are based on the latest print version: 2024)

N

EXN1-M01 PERFORMMAKER | END MILL CUTTER

P.

Application



EXN1-M01-0013 | Ø1-20 EXN1 Performmaker Z2-3 ASR 36



EXN1-M01-0043 | Ø1-20 EXN1 Performmaker Z2 2xD ASR 38



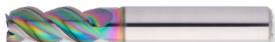
EXN1-M01-0093 | Ø2-20 EXN1 Performmaker Z3 2xD ASR 40



EXN1-M01-0094 | Ø2-20 EXN1 Performmaker Z3 2xD ASR 42



EXN1-M01-0103 | Ø2-20 EXN1 Performmaker Z3 2xD ASR 44



EXN1-M01-0104 | Ø2-20 EXN1 Performmaker Z3 2xD ASR 46



EXN1-M01-0113 | Ø2-20 EXN1 Performmaker Z3 1,5xD long ASR 48



EXN1-M01-0114 | Ø2-20 EXN1 Performmaker Z3 1,5xD long ASR 50



EXN1-M01-0123 | Ø2-20 EXN1 Performmaker Z3 3xD ASR 52



EXN1-M01-0124 | Ø2-20 EXN1 Performmaker Z3 3xD ASR 54



EXN1-M01-0133 | Ø2-20 EXN1 Performmaker Z3 3xD ASR 56



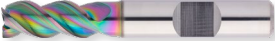
EXN1-M01-0134 | Ø2-20 EXN1 Performmaker Z3 3xD ASR 58



EXN1-M01-0203 | Ø5-20 EXN1 Performmaker Z3 2xD IC ASR 60



EXN1-M01-0204 | Ø5-20 EXN1 Performmaker Z3 2xD IC ASR 62



EXN1-M01-0213 | Ø5-20 EXN1 Performmaker Z3 1,5xD long IC ASR 64



EXN1-M01-0214 | Ø5-20 EXN1 Performmaker Z3 1,5xD long IC ASR 66



NEW EXN1-M01-0293 | Ø2-25 EXN1 Performmaker Z4 2xD ASR 68

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NEW EXN1-M01-0294 | Ø2-25 EXN1 Performmaker Z4 2xD ASR 72

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EXN1-M02 SLOTMAKER | ROUGHING CUTTER

P.

Application



EXN1-M02-0023 | Ø4-20 EXN1 Slotmaker Z3 2xD ASR 76



EXN1-M02-0024 | Ø4-20 EXN1 Slotmaker Z3 2xD ASR 78



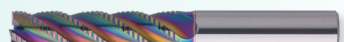
EXN1-M02-0053 | Ø4-20 EXN1 Slotmaker Z3 3xD ASR 80



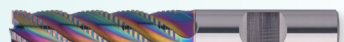
EXN1-M02-0054 | Ø4-20 EXN1 Slotmaker Z3 3xD ASR 82



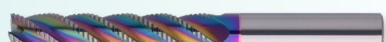
NEW EXN1-M02-0063 | Ø6-20 EXN1 Slotmaker Z4 4xD ASR 84



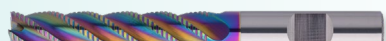
NEW EXN1-M02-0064 | Ø6-20 EXN1 Slotmaker Z4 4xD ASR 86



NEW EXN1-M02-0073 | Ø6-20 EXN1 Slotmaker Z4 5xD ASR 88



NEW EXN1-M02-0074 | Ø6-20 EXN1 Slotmaker Z4 5xD ASR 90



EXN1-M02-0123 | Ø4-20 EXN1 Slotmaker Z3 2xD IC ASR 92



EXN1-M02-0124 | Ø4-20 EXN1 Slotmaker Z3 2xD IC ASR 94



EXN1-M02-0163 | Ø4-20 EXN1 Slotmaker Z3 3xD IC ASR 96



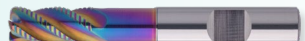
EXN1-M02-0164 | Ø4-20 EXN1 Slotmaker Z3 3xD IC ASR 98



NEW EXN1-M02-0213 | Ø12-25 EXN1 Slotmaker Z4 2xD long IC ASR 100



NEW EXN1-M02-0214 | Ø12-25 EXN1 Slotmaker Z4 2xD long IC ASR 102



NEW EXN1-M02-0223 | Ø6-20 EXN1 Slotmaker Z3-4 2xD overlong ASR 104



NEW EXN1-M02-0224 | Ø6-20 EXN1 Slotmaker Z3-4 2xD overlong ASR 106



EXN1-M03 CHIPMAKER | TROCHOIDAL CUTTER p.

EXN1-M03-0033 | Ø5-20 EXN1 Chipmaker Z4 3xD ASR 108

EXN1-M03-0034 | Ø5-20 EXN1 Chipmaker Z4 3xD ASR 110

EXN1-M03-0043 | Ø5-20 EXN1 Chipmaker Z4 4xD ASR 112

EXN1-M03-0044 | Ø5-20 EXN1 Chipmaker Z4 4xD ASR 114

EXN1-M03-0053 | Ø5-20 EXN1 Chipmaker Z4 5xD ASR 116

EXN1-M03-0054 | Ø5-20 EXN1 Chipmaker Z4 5xD ASR 118

EXN1-M03-0133 | Ø12-16 EXN1 Chipmaker Z4 3,5xD IC ASR 120



EXN1-M04 MIRRORMAKER | FINISHING CUTTER

EXN1-M04-0033 | Ø6-20 EXN1 Mirrmaker Z6 3xD ASR 122

EXN1-M04-0043 | Ø6-20 EXN1 Mirrmaker Z6 4xD ASR 124

EXN1-M04-0053 | Ø6-20 EXN1 Mirrmaker Z6 5xD ASR 126

EXN1-M04-0133 | Ø12-16 EXN1 Mirrmaker Z5 3,5xD IC ASR 128



EXN1-M05 BALANCEMAKER | SINGLE FLUTE CUTTER

EXN1-M05-0023 | Ø1-12 EXN1 Balancemaker Z1 ASR 130

EXN1-M05-0053 | Ø1-12 EXN1 Balancemaker Z1 long ASR 132



EXN1-M06 FORMMAKER | TORUS CUTTER

EXN1-M06-0003 | Ø5-20 EXN1 Formmaker Z3 2xD ASR 134

EXN1-M06-0013 | Ø5-20 EXN1 Formmaker Z3 1,5xD long ASR 138

EXN1-M06-0103 | Ø6-20 EXN1 Formmaker Z2 2xD ASR 142

EXN1-M06-0213 | Ø6-20 EXN1 Formmaker Z4 3xD ASR 144



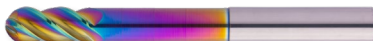
EXN1-M08 ROWMAKER | FULL RADIUS CUTTER p.

EXN1-M08-0003 | Ø0,5-12 EXN1 Rowmaker Z2 1xD short ASR 148

EXN1-M08-0013 | Ø0,5-12 EXN1 Rowmaker Z2 1xD long ASR 150

EXN1-M08-0103 | Ø3-16 EXN1 Rowmaker Z4 2xD short ASR 152

EXN1-M08-0113 | Ø3-16 EXN1 Rowmaker Z4 2xD long ASR 154



EXN1-M15 PERFORMMAKER MICRO | MICRO-END MILL CUTTER

EXN1-M15-0003 | Ø0,2-2,5 EXN1 Performmaker Micro Z2 ASR 156



EXN1-M16 FORMMAKER MICRO | MICRO-TORUS CUTTER

EXN1-M16-0023 | Ø0,2-0,6 EXN1 Formmaker Micro Z2 R0,05 ASR 162

EXN1-M16-0063 | Ø0,4-2 EXN1 Formmaker Micro Z2 R0,1 ASR 166

EXN1-M16-0103 | Ø0,8-3 EXN1 Formmaker Micro Z2 R0,2 ASR 172

EXN1-M16-0143 | Ø1-3 EXN1 Formmaker Micro Z2 R0,3 ASR 178

EXN1-M16-0183 | Ø1,5-3 EXN1 Formmaker Micro Z2 R0,5 ASR 182



EXN1-M17 ROWMAKER MICRO | MICRO-FULL RADIUS CUTTER

EXN1-M17-0003 | Ø0,1-3 EXN1 Rowmaker Micro Z2 ASR 186

EXN1-M17-0013 | Ø0,5-3 EXN1 Rowmaker Micro long Z2 ASR 190



EXN1
BROCHURE

HARDENED STEEL

(Page references are based on the latest print version: 2024)

H

PERFORMMAKER | END MILL CUTTER

K201523 | Ø2-20 Performmaker Z4-10 short ADN 12

K201533 | Ø6-25 Performmaker Z6-10 long ADN 14

FORMMAKER | TORUS CUTTER

K202223 | Ø1-20 Formmaker Z4 1xD ADN 16

K202233 | Ø1-20 Formmaker Z4 1xD long ADN 20

K202253 | Ø3-20 Formmaker Z4-6 1xD ADN 24

K202293 | Ø5-20 Formmaker Z6-10 short ADN 28

K202303 | Ø6-20 Formmaker Z6-10 long ADN 30

K202307 | Ø16-20 Formmaker Z8-10 overlong ADN 32

BLADEMAKER | FACE TORUS CUTTER

K207013 | Ø2-16 Blademaker Z2-5 0,5xD short ADN 34

K207018 | Ø2-16 Blademaker Z2-5 0,5xD long ADN 36

ROWMAKER | FULL RADIUS CUTTER

K203103 | Ø0,1-20 Rowmaker Z2 1xD short ADN 38

K203143 | Ø0,5-20 Rowmaker Z2 1,5xD long ADN 42

K203153 | Ø1-20 Rowmaker Z2 1xD long ADN 46

K203333 | Ø2-20 Rowmaker Z4 1xD short ADN 48

K203343 | Ø2-20 Rowmaker Z4 1xD long ADN 50



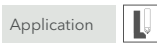
CHAMFMAKER | DEBURRING CUTTER

K205153 | Ø3-12 Chamfmaker Z3-4 60° ADN 52

K205154 | Ø6-12 Chamfmaker Z4 60° ADN 54

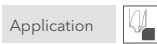
K205163 | Ø3-12 Chamfmaker Z3-4 90° ADN 56

K205164 | Ø6-12 Chamfmaker Z4 90° ADN 58



ROUNDMAKER | CORNER ROUNDING CUTTER

K204108 | Ø3-10 Roundmaker Z6 ADN 60



PERFORMMAKER MICRO | MICRO-END MILL CUTTER

K201122 | Ø0,2-3 Performmaker Micro Z2 ADN 62



FORMMAKER MICRO | MICRO-TORUS CUTTER

K202082 | Ø0,4-2 Formmaker Micro Z2 R0,1 ADN 74

K202092 | Ø0,8-2 Formmaker Micro Z2 R0,2 ADN 80

K202102 | Ø1-3 Formmaker Micro Z2 R0,3 ADN 86

K202112 | Ø1,5-3 Formmaker Micro Z2 R0,5 ADN 92



ROWMAKER MICRO | MICRO-FULL RADIUS CUTTER

K203206 | Ø0,2-3 Rowmaker Micro Z2 ADN 96

K203212 | Ø0,3-3 Rowmaker Micro Z2 long ADN 104



HARDENED
STEEL
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(Page references are based on the latest print version: 2025)

T

PERFORMMAKER | END MILL CUTTER

K201687 Ø4-20 Performmaker Z4 1,5xD AFVX	8
K201688 Ø4-20 Performmaker Z4 1,5xD AFVX	10
K201692 Ø6-20 Performmaker Z5 2xD AFVX	12
K201693 Ø6-20 Performmaker Z5 2xD AFVX	14

Application 



FORMMAKER | TORUS CUTTER

K202423 Ø4-20 Formmaker Z4 2xD AFVX	16
K202424 Ø4-20 Formmaker Z4 2xD AFVX	20

Application 



BLADEMAKER | FACE TORUS CUTTER

K207033 Ø2-16 Blademaker Z2-5 0,5xD short AFVX	24
K207038 Ø2-16 Blademaker Z2-5 0,5xD long AFVX	26

Application 



ROWMAKER | FULL RADIUS CUTTER

K203383 Ø2-16 Rowmaker Z4 1xD short AFVX	28
K203388 Ø2-16 Rowmaker Z4 1xD long AFVX	30

Application 



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CONTACT
HOFMANN & VRATNY

Hofmann & Vratny OHG - Headquarters

Steinkirchen 4½

85617 Aßling

Telephone: +49 80 92 / 85 333-0

E-Mail: info@vhmhv.de

Hofmann & Vratny OHG - Regrinding centre

Steinkirchen 4½

85617 Aßling

Telephone: +49 80 92 / 85 333-152

E-Mail: nbg@vhmhv.de

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EXPERT | Steel & cast iron



EXPERT | Stainless steel



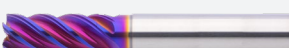
EXPERT | Non-ferrous materials



EXPERT | Hardened Steel



EXPERT | Titanium



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HOFMANN & VRATNY PRODUCT OVERVIEW

Hofmann & Vratny OHG
Steinkirchen 4½
85617 Aßling

Telephone: +49 80 92 / 85 333-0
E-Mail: info@vhmhv.de
Web: www.vhmhv.de



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