

200 38 04C | 200 38 14C

THE HACHENBACH UNIVERSAL-GENIUS

BENEFITS

- ✓ **High Performance** in Steel, Stainless, Alu, Titanium and Inconel
- ✓ **Reduced Toolconsumption**
- ✓ **Longer Toollife** due to the new TIXAL Endura coating
- ✓ **Lower Tool Costs**
- ✓ **Top Price-/Performance ratio**



200 38 04C

200 38 14C

Stunningly universal.
Surprisingly efficient.
The new HPC-Universal end mill.

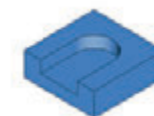
Corner radius
for higher charges

Special Edge Preparation
for higher milling performance
in different materials

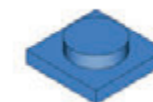
Variable Helix for extra
smooth running in pockets
and corners

Unequal Division for
significantly smoother
running with high a_p

Broad Application Range



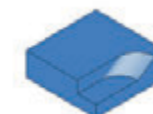
Slotting



Side milling



Helical
Plunging



Ramping

30%

longer Life comparing
to most general application
end mills of competitors.

85%

Milling-Performance
comparing to **specific**
end mills for steel.

90%

Milling-Performance
comparing to **specific end**
mills for stainless steel.

Video: the end mill at work



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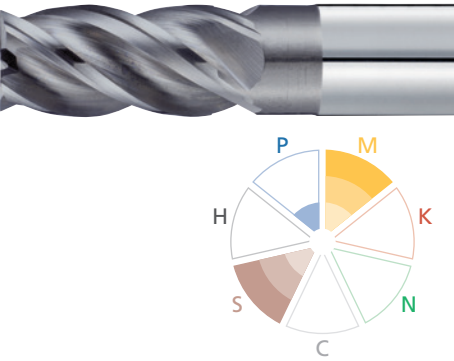


Always an Alternative at Hand. The Hachenbach Range.

The Specialist for Stainless & Titanium 200 41 04C

- Better Surface Quality
- Higher f_z
- Specific Helix for Stainless & Titanium
- TROCUT enabled

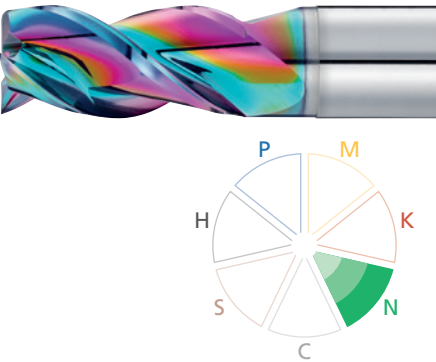
Diameter:
2 - 20 mm
Lengths:
Standard



The Specialist for Aluminium 210 41 03C

- Better Surface Quality
- Higher f_z
- Specific Helix for Titanium
- TROCUT enabled

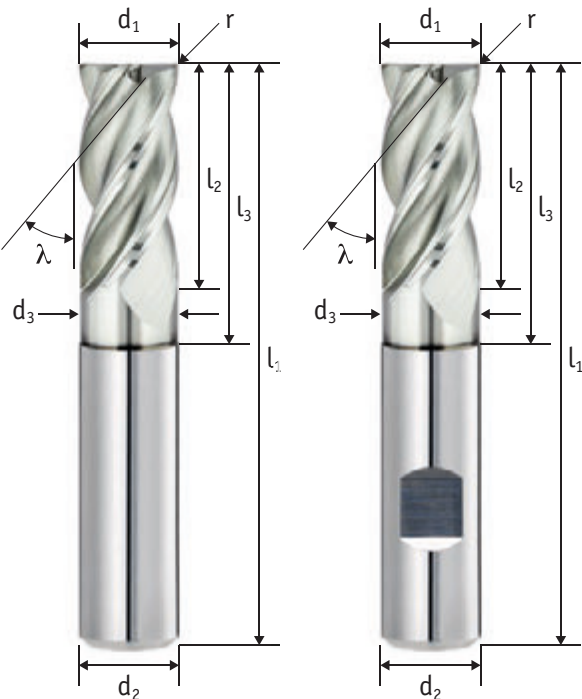
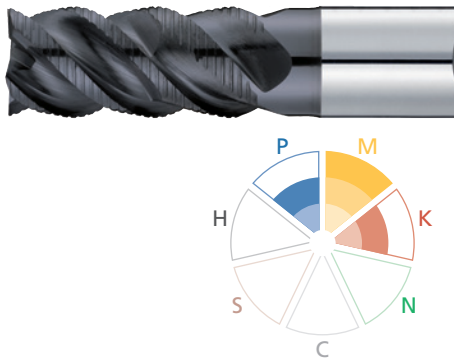
Diameter:
2 - 20 mm
Lengths:
Standard



The Tough Guy 251 50 14C

- Roughing End Mill for maximum Chip Removal
- Better Performance in Steel, Stainless and Cast Iron
- Significantly higher f_z

Diameter:
5 - 20 mm
Lengths:
Standard



Number of teeth	Helix	Variable Helix
4	35/38°	✓
Division	Tooth type	Coating
≠	N	TIXAL ENDURA
Standard	Material	
Werksnorm, DIN 6527 A/B	HM	
HPC	TROCUT	
✓	✓	

Art.-Nr. (without Weldon)	Art.-Nr. (with Weldon)	d ₁	r	l ₂	l ₃	d ₃	l ₁	d ₂	Z	Price
200 38 04C-020	200 38 14C-020	2	0,1	7	10	1,9	57	6	4	33,10 €
200 38 04C-030	200 38 14C-030	3	0,1	8	11	2,8	57	6	4	33,10 €
200 38 04C-040	200 38 14C-040	4	0,2	11	14	3,7	57	6	4	33,10 €
200 38 04C-050	200 38 14C-050	5	0,2	13	16	4,7	57	6	4	33,10 €
200 38 04C-060	200 38 14C-060	6	0,3	13	21	5,7	57	6	4	33,10 €
200 38 04C-080	200 38 14C-080	8	0,3	19	27	7,7	63	8	4	43,80 €
200 38 04C-100	200 38 14C-100	10	0,3	22	32	9,7	72	10	4	56,90 €
200 38 04C-120	200 38 14C-120	12	0,3	26	38	11,7	83	12	4	77,00 €
200 38 04C-160	200 38 14C-160	16	0,3	32	44	15,7	92	16	4	131,20 €
200 38 04C-200	200 38 14C-200	20	0,3	38	54	19,7	104	20	4	210,20 €

Longneck-series (available from T4-2021)

Art.-Nr. (without Weldon)	Art.-Nr. (with Weldon)	d ₁	r	l ₂	l ₃	d ₃	l ₁	d ₂	Z	Price
200 38 04C-06080	200 38 14C-06080	6	0,3	13	42	5,7	80	6	4	a.A.
200 38 04C-08100	200 38 14C-08100	8	0,3	16	60	7,7	100	8	4	a.A.
200 38 04C-10100	200 38 14C-10100	10	0,3	22	62	9,7	100	10	4	a.A.
200 38 04C-12120	200 38 14C-12120	12	0,3	26	72	11,5	120	12	4	a.A.
200 38 04C-16150	200 38 14C-16150	16	0,3	32	96	15,5	150	16	4	a.A.
200 38 04C-20150	200 38 14C-20150	20	0,3	40	98	19,5	150	20	4	a.A.



Cutting parameters
Available through QR-Code

a.A.: upon request