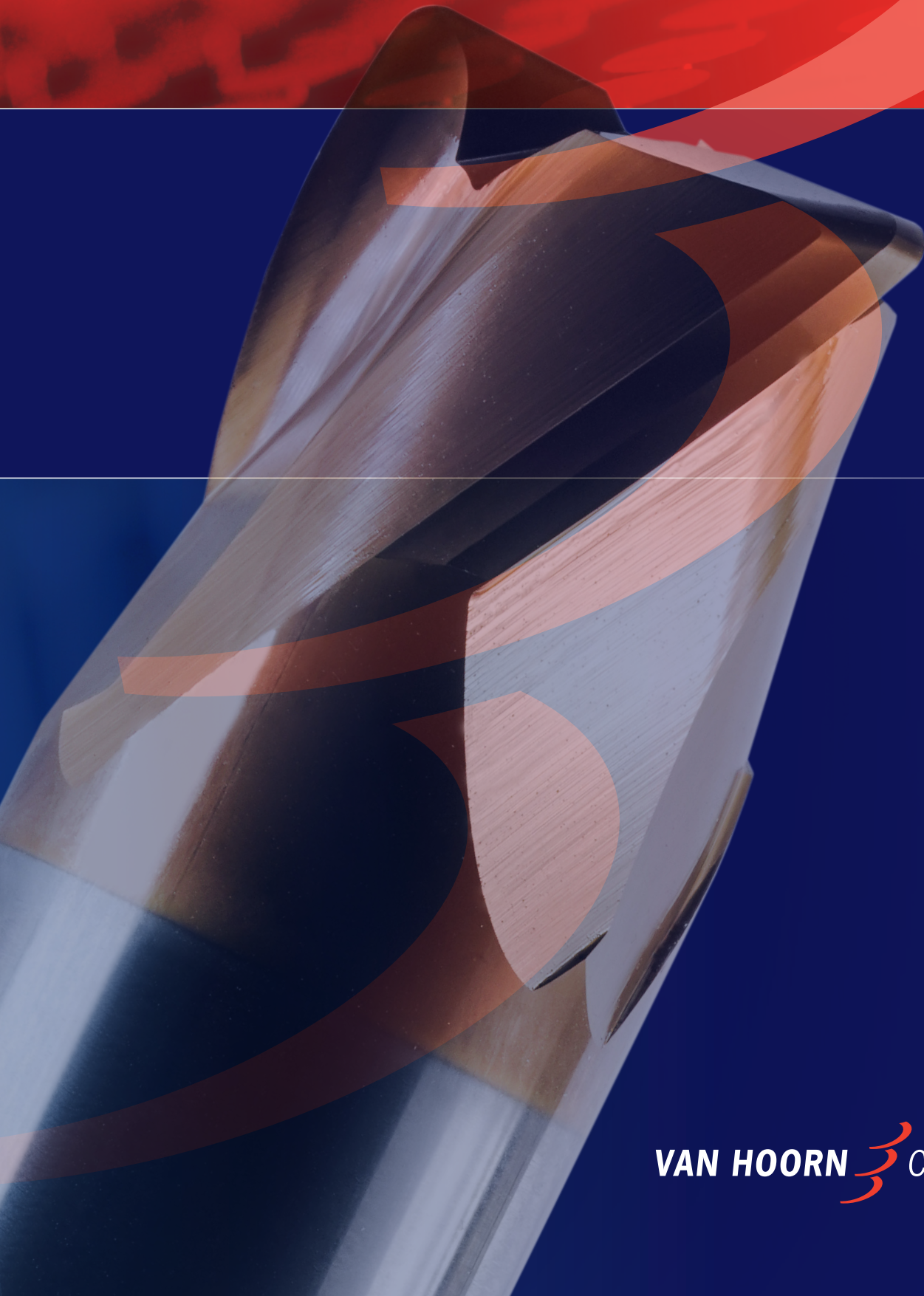


CIRCULAR SURFACE END MILLS

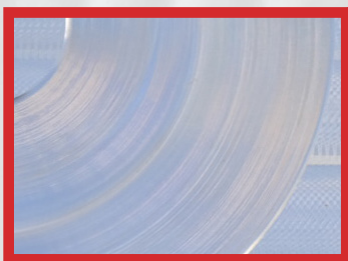
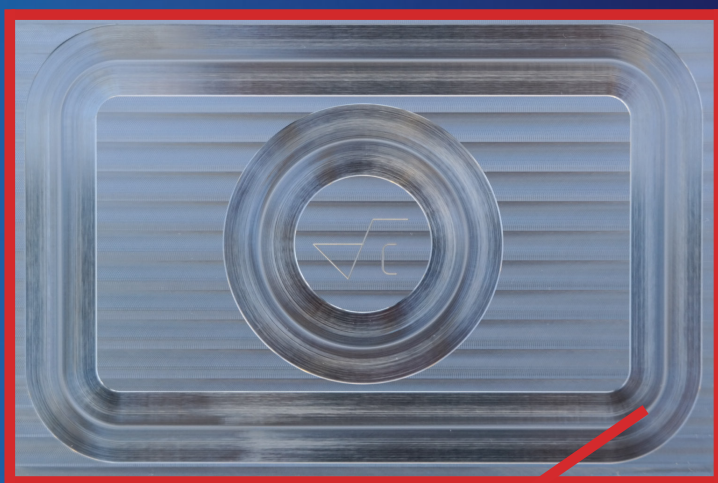


VAN HOORN  **CARBIDE**

Proven success in carbide end mills

Van Hoorn Carbide is committed to manufacture and provide the best solid carbide end mills, leading innovations and reliable technical support. In the 2017-2018 catalogue you can find our largely extended and innovated range of premium end mills as well as our PARA Tooling range for general machining applications. With our team of experts we are happy to help you improve and speed up your production processes.

Our tools are the next step in productivity!



USP's sealing surface end mills:

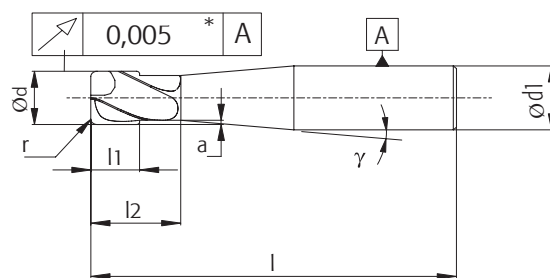
- Only concentric milling lines
- No reworking needed
- Smooth surface



Cutting conditions

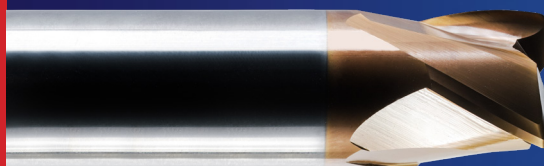
Ød	a _p	a _e	V _c	F _z
mm	mm	mm	m/min	mm/tooth
4,0	0,03	4,00	200	0,005
5,0	0,04	5,00	200	0,007
6,0	0,06	6,00	200	0,010
8,0	0,08	8,00	200	0,015
10,0	0,10	10,00	200	0,020
12,0	0,12	12,00	200	0,025
16,0	0,14	16,00	200	0,030
20,0	0,16	20,00	200	0,035

Diameter	Shank	Cutting diameter
range	Ød1-h5	Ød-e8
3 < d ≤ 6	0 -0,005	-0,020 -0,038
6 < d ≤ 10	0 -0,006	-0,025 -0,047
10 < d ≤ 18	0 -0,008	-0,032 -0,059
18 < d ≤ 30	0 -0,009	-0,040 -0,073



Application area:

Producing circular surfaces
for high-end products



Article Number	Ød (mm)	r (mm)	Ød1 (mm)	L (mm)	L1 (mm)	L2 (mm)	a (mm)	Z	γ (°)
Uncoated									
VHS 3 040 051 06 10	4,0	0,03	6	51	2,0	4,0	0,050	3	15
VHS 3 050 051 06 10	5,0	0,03	6	51	2,0	4,0	0,050	3	15
VHS 3 060 051 06 10	6,0	0,06	6	51	4,0	-	-	3	-
VHS 3 080 064 08 10	8,0	0,08	8	64	6,0	-	-	3	-
VHS 3 100 064 10 10	10,0	0,10	10	64	7,0	-	-	3	-
VHS 3 120 073 12 10	12,0	0,12	12	73	9,0	-	-	3	-
VHS 3 160 089 16 10	16,0	0,14	16	89	12,0	-	-	3	-
VHS 3 200 102 20 10	20,0	0,15	20	102	15,0	-	-	3	-

Coated

VHS 3 040 051 06 40	4,0	0,05	6	51	2,0	4,0	0,050	3	15
VHS 3 050 051 06 40	5,0	0,05	6	51	2,0	4,0	0,050	3	15
VHS 3 060 051 06 40	6,0	0,10	6	51	4,0	-	-	3	-
VHS 3 080 064 08 40	8,0	0,10	8	64	6,0	-	-	3	-
VHS 3 100 064 10 40	10,0	0,15	10	64	7,0	-	-	3	-
VHS 3 120 073 12 40	12,0	0,15	12	73	9,0	-	-	3	-
VHS 3 160 089 16 40	16,0	0,15	16	89	12,0	-	-	3	-
VHS 3 200 102 20 40	20,0	0,15	20	102	15,0	-	-	3	-

WWW.HOORN-CARBIDE.COM

Facts and figures about Van Hoorn Carbide

- Premium products
- Fully automated process with 24/7 climate controlled production
- 100% visual inspection
- Global presence with subsidiaries in Hong Kong, China and Belgium
- $\pm 1\mu$ tolerances possible!
- Optimizing production processes
- Solving manufacturing challenges!
- Reduce your total production cost
- 100 Employees
- More than 25 years of excellence!



VAN HOORN HARDMETAAL BV
COPERNICUSSTRAAT 2
6003 DE WEERT
THE NETHERLANDS
TEL. +31 (0)495 - 58 40 99
FAX +31 (0)495 - 53 13 00
INFO@HOORN-CARBIDE.COM

VAN HOORN  **CARBIDE**