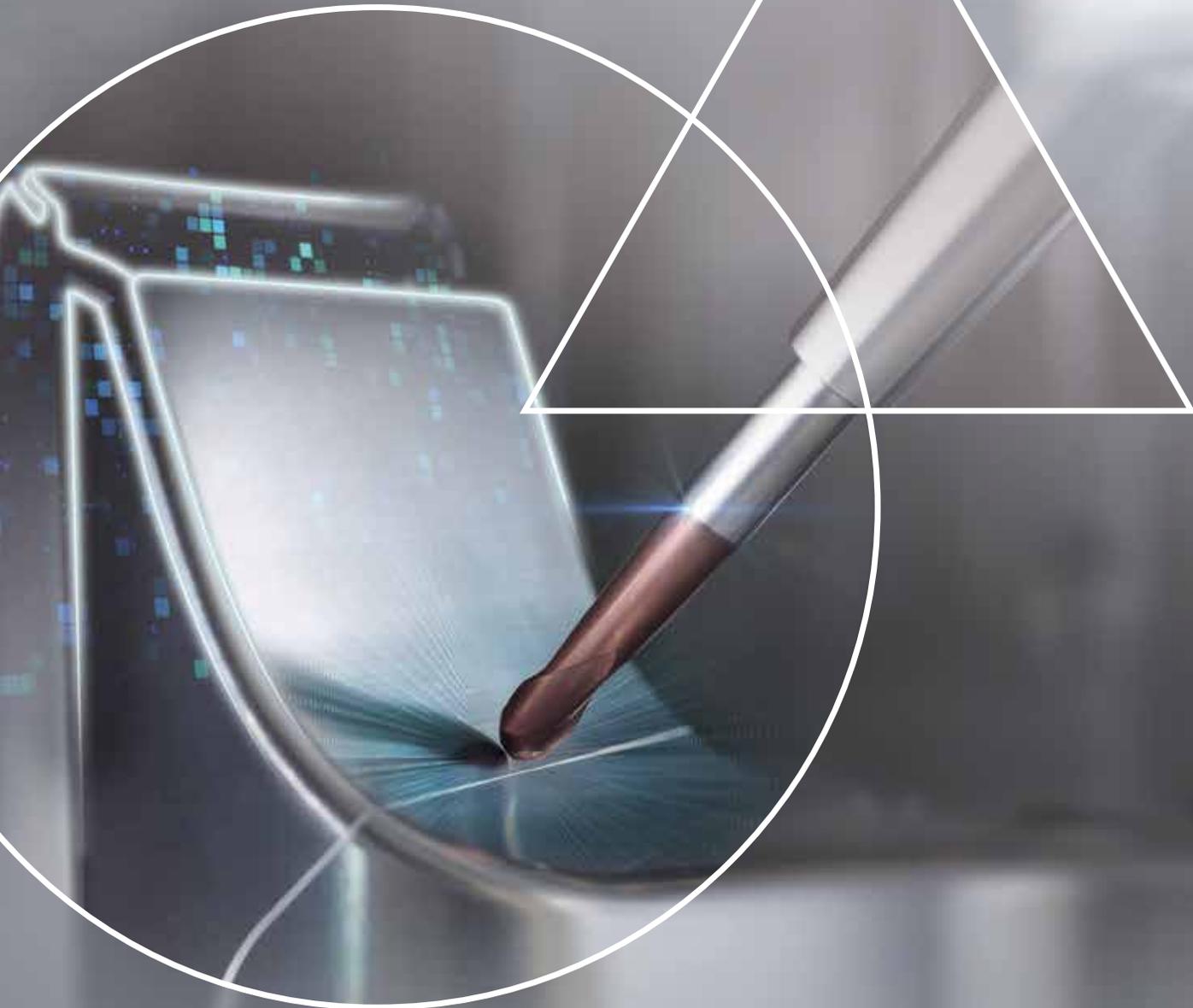


GUHRING

G-MOLD



Milling Cutters for Die & Mold

Manufacturer's process optimization

- + guaranteed process reliability with uncompromising quality*
- + μ -precise solid carbide milling cutters for high-precision workpiece requirements*
- + comprehensive tool range available in-stock.*

We provide solutions to challenges such as tight deadlines, essential process reliability, and stringent tolerance and Coating quality requirements. With the industry's largest portfolio of standard tools, complemented by tooling solutions designed specifically for die & mold applications, we leverage our expertise as a cutting tool manufacturer to deliver impressive results. This approach allows us to help you reduce manufacturing costs, eliminate costly manual rework, and ensure your delivery commitments are met with confidence.

G-Mold

Pictograms

Tool material	VHM Solid carbide											
Shank form	HA Cylindrical	HB Weldon flat										
Standard	WN Guhring Standard											
Application	Slotting	Roughing	Ramping	Helix	Drilling	Finishing	Copying					
Length	short (DIN)	long (DIN)		medium length		extra length						
No. of cutting edges	2	3	4	5	6	6+	2-4	3-4	4-5	5-6	...	
Helix angle	No. of major cutting edges											
Helix angle	2-4°	0°	7°	20°	30°	45°	35° 38°	36° 37°	40° 42°	44° 45° 46°	...	
Rake angle	Size of helix angle/no. of different helix angles											
Rake angle	-2°	-3°	-7°	0°	3°	4°	7°	9°	10°	12°	...	
Cutting edge form	Rake angle of circumference cutting edges											
Cutting edge form	45°	R±0,01		R±0,02	R±0,01	R±0,03	R±0,05	...				
Feed	Corner chamfer											
Feed	for lateral feed	for lateral feed and oblique plunging				for lateral feed, oblique plunging and drilling						
Hardness	48 HRC	55 HRC	62 HRC	63 HRC	65 HRC	66 HRC	workable material hardness in HRC					

ISO codes

P	Steel, high-alloyed steel
M	Stainless steel
K	Grey cast iron, spheroidal graphite iron and malleable cast iron
N	Aluminum and other non-ferrous metals
S	Special, super and titanium alloys
H	Hardened steel and chilled cast iron

On the program pages you will find for every tool recommendations regarding suitability for the application groups and details of max. tensile strength and hardness.
 ● Optimal suitability ○ Limited suitability

Diameter Tolerances - Nominal Size (mm)						
Over	Up to	f8	f9	h5	h6	h10
0	3	-0.006	-0.006	0.000	0.000	0.000
		-0.020	-0.031	-0.004	-0.006	-0.040
3	6	-0.010	-0.010	0.000	0.000	0.000
		-0.028	-0.040	-0.005	-0.008	-0.048
6	10	-0.013	-0.013	0.000	0.000	0.000
		-0.035	-0.049	-0.006	-0.009	-0.058
10	18	-0.016	-0.016	0.000	0.000	0.000
		-0.043	-0.059	-0.008	-0.011	-0.070
18	30	-0.020	-0.020	0.000	0.000	0.000
		-0.053	-0.072	-0.009	-0.013	-0.084

Coatings

- Perrox
- Signum

MILLING OVERVIEW



Solid carbide ball nose end mills

- ▶ Micron-precise full-radius geometry designed for copy milling and finishing of hardened forms and mold inserts up to 65 HRC. For efficient pre-finishing operations, 4-flute ball nose cutters are available, offering high feed rates for both soft and ultra-hard materials.



Solid carbide Torus end mills and high feed end mills

- ▶ High-precision Torus geometry for copy milling and finishing of hardened forms and mold inserts up to 65 HRC. For roughing of soft and hard materials high-feed milling cutters with internal cooling are available.



Solid carbide end mills

- ▶ Solid carbide end mills with enhanced corner protection, combined with patented flute profiles, are designed for both roughing and μ -precise finishing operations of hardened components up to 65 HRC. The advanced solid carbide substrate, paired with the innovative flute profile and ultra-hard, wear-resistant coatings, delivers unprecedented feed rates and exceptional Coating quality in hardened materials.



Micro-precision milling cutters

- ▶ High-precision micro milling cutters with GühroJet internal cooling. Available in three different lengths for application flexibility. Suitable for a wide range of materials up to 55 HRC.



P. 12



P. 30



P. 57



P. 68



P	M	K	N	S	H	# Teeth	Hardness rating	Corner type	Length	Helix angle °	Tool material	Coating	Unit	Dia. range	Series no.	Page
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Ball nose end mills G-Mold μ 65 B

○	●	●	●	●	●		65 HRC	$R_{\pm 0,005}$		25°	VHM	X	Metric	0.200 - 12.000	6815	12
○	●	●	●	●	●		65 HRC	$R_{\pm 0,005}$		25°	VHM	X	Metric	0.200 - 12.000	6816	13
○	●	●	●	●	●		65 HRC	$R_{\pm 0,005}$		25°	VHM	X	Metric	0.200 - 12.000	6817	14
○	●	●	●	●	●		65 HRC	$R_{\pm 0,005}$		25°	VHM	X	Metric	0.200 - 12.000	6818	15
○	●	●	●	●	●		65 HRC	$R_{\pm 0,005}$		25°	VHM	X	Metric	0.200 - 8.000	6819	16

Ball nose end mills G-Mold 65 B

○	●	●	●	●	●		65 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Inch	1/8 - 1/2	6841	17
○	●	●	●	●	●		65 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	0.500 - 12.000	6832	18
○	●	●	●	●	●		65 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Inch	1/8 - 1/2	6842	19
○	●	●	●	●	●		65 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	0.500 - 12.000	6833	20
○	●	●	●	●	●		65 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	0.500 - 10.000	6834	21
○	●	●	●	●	●		65 HRC	$R_{\pm 0,02}$		30°	VHM	Y	Metric	1.000 - 12.000	6835	22
○	●	●	●	●	●		65 HRC	$R_{\pm 0,02}$		30°	VHM	Y	Metric	1.000 - 12.000	6836	23

Ball nose end mills G-Mold 55 B

●	●	●	○	●	●		55 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	0.500 - 12.000	6844	24
●	●	●	○	●	●		55 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	0.500 - 12.000	6845	25
●	●	●	○	●	●		55 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	0.500 - 10.000	6846	26
●	●	●	○	●	●		55 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	0.500 - 8.000	6847	27
●	●	●	○	●	●		55 HRC	$R_{\pm 0,02}$		30°	VHM	Y	Metric	1.000 - 12.000	6848	28
●	●	●	○	●	●		55 HRC	$R_{\pm 0,02}$		30°	VHM	Y	Metric	1.000 - 12.000	6849	29

Torus end mills G-Mold μ 65 T

○	●	●	●	●	●		65 HRC	$R_{\pm 0,005}$		36°	VHM	X	Metric	0.300 - 12.000	6820	30
○	●	●	●	●	●		65 HRC	$R_{\pm 0,005}$		36°	VHM	X	Metric	0.300 - 12.000	6821	32



P	M	K	N	S	H	# Teeth	Hardness rating	Corner type	Length	Helix angle °	Tool material	Coating	Unit	Dia. range	Series no.	Page
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Torus end mills G-Mold μ 65 T

○	●	●	●	●	●		65 HRC	$R_{\pm 0,005}$		36°	VHM	X	Metric	0.300 - 12.000	6822	34
○	●	●	●	●	●		65 HRC	$R_{\pm 0,005}$		36°	VHM	X	Metric	0.300 - 12.000	6823	36
○	●	●	●	●	●		65 HRC	$R_{\pm 0,005}$		36°	VHM	X	Metric	0.300 - 8.000	6824	38

Torus end mills G-Mold 65 T

○	●	●	●	●	●		65 HRC	$R_{\pm 0,01}$		30°	VHM	X	Metric	1.000 - 12.000	6837	39
○	●	●	●	●	●		65 HRC	$R_{\pm 0,01}$		30°	VHM	X	Inch	3/16 - 1/2	6843	41
○	●	●	●	●	●		65 HRC	$R_{\pm 0,01}$		30°	VHM	X	Metric	1.000 - 12.000	6838	42

Torus end mills G-Mold 55 T

●	●	●	○	●	●		55 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	0.500 - 12.000	6850	44
●	●	●	○	●	●		55 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	0.500 - 12.000	6851	46
●	●	●	○	●	●		55 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	1.000 - 10.000	6852	48
●	●	●	○	●	●		55 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	1.000 - 8.000	6853	49
●	●	●	○	●	●		55 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	1.000 - 12.000	6854	50
●	●	●	○	●	●		55 HRC	$R_{\pm 0,01}$		30°	VHM	Y	Metric	1.000 - 12.000	6855	52

High feed end mills G-Mold 65 HF

●	●	●	●	●	●		65 HRC			30°	VHM	Y	Metric	1.000 - 16.000	6830	54
●	●	●	●	●	●		65 HRC			30°	VHM	Y	Metric	1.000 - 16.000	6814	55
●	●	●	●	●	●		65 HRC			30°	VHM	Y	Metric	1.000 - 16.000	6831	56

Finishing end mills G-Mold μ 48 F

●	●	●	●	○	●		48 HRC	45°		40°	VHM	X	Metric	3.000 - 20.000	6825	57
●	●	●	●	○	●		48 HRC	45°	3xD	40°	VHM	X	Metric	3.000 - 20.000	6826	58

Finishing end mills G-Mold μ 65 F

○	●	●	●	●	●		65 HRC	45°		42°	VHM	X	Metric	3.000 - 20.000	6827	59
○	●	●	●	●	●		65 HRC	45°	3xD	42°	VHM	X	Metric	3.000 - 20.000	6828	60



P M K N S H						# Teeth	Hardness rating	Corner type	Length	Helix angle °	Tool material	Coating	Unit	Dia. range	Series no.	Page
Finishing end mills G-Mold 65 F							65 HRC	45°		42°	VHM	Y	Inch	1/4 - 3/4	6839	61
							65 HRC	45°		42°	VHM	Y	Metric	3.000 - 20.000	6945	62
							65 HRC	45°		42°	VHM	Y	Inch	1/4 - 3/4	6840	63
							65 HRC	45°		42°	VHM	Y	Metric	3.000 - 20.000	6946	64
Finishing end mills with corner radius G-Mold 65 FR							65 HRC	R±0,02		42°	VHM	Y	Metric	3.000 - 16.000	6947	65
							65 HRC	R±0,02		42°	VHM	Y	Metric	3.000 - 16.000	6948	66
Ratio end mills G-Mold 65 U							65 HRC	45°		40°/42°	VHM	Y	Metric	3.000 - 20.000	6943	67
							65 HRC	45°		40°/42°	VHM	Y	Metric	3.000 - 20.000	6944	67
Micro-precision milling cutters MicroMill μ 55							55 HRC	45°		30°	VHM	X	Metric	0.200 - 3.000	6829	68

G-Mold μ

*from \varnothing 0.2 - 3 mm
with GühroJet
peripheral cooling*

- + increased tool life and process reliability thanks to GühroJet*
- + variety of options in ball nose and corner radii end mills available in up to 5 different lengths*
- + superior workpiece precision and Coating quality achieved through tooling manufactured to micron-precise tolerance specifications*



G-MOLD



*New milling cutters
designed specifically for mold making*

Neck clearance with smooth transitions
for **interference-free** operation.

Maximum tool life and flawless Coating
finish thanks to the **smooth** and
durable **Signum & Perrox** coatings.

The **GühroJet peripheral cooling**
enables optimal chip evacuation through
compressed air or internal cooling.

The **ultra-hard carbide** substrate,
designed for die and mold applications,
is approximately 200 HV harder. The finer
grain structure ensures stable,
durable cutting edges, resulting in
superior workpiece Coating finish, thanks to
consistent wear behavior.



G-Mold program from p. 29

Precision tool

G-Mold

μ 65
65 B

Form

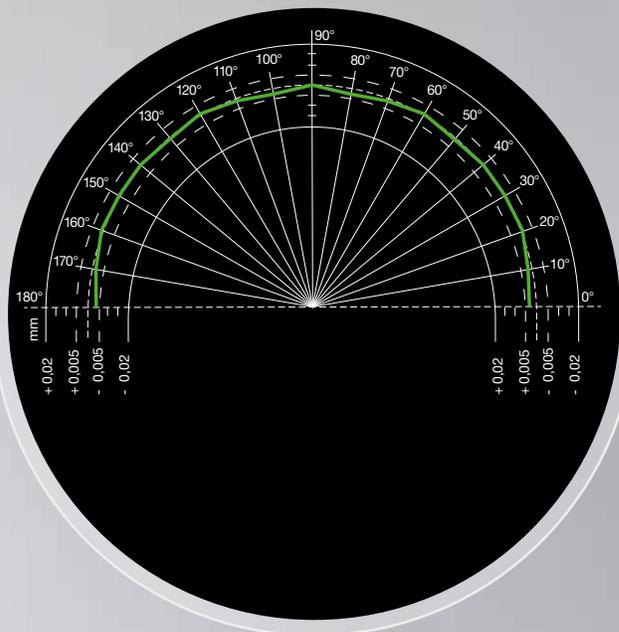
B = Ballnose
T = Torus
F = Finisher
FR = Radius-finisher
U = Universal
HF = High Feed

suitable for up to
48/55/65 HRC

High-precision milling cutters

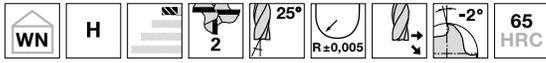
G-Mold μ

μ -precise radius accuracy
and contour shape
for consistent component form





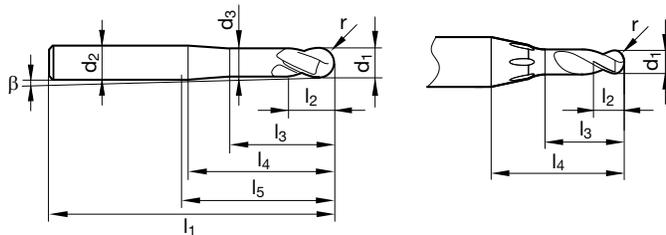
Ball nose end mills G-Mold μ 65 B



P	○
M	
K	●
N	
S	
H	●

- High-precision ball nose end mills for maximum form accuracy
- exact tolerance of the radius contour $r = 0.5 \times d1 \pm 0.005$ mm
- \varnothing tolerance $d1$ of $\varnothing 0.2-3$ mm $+0.000/-0.010$ mm
- with GühroJet peripheral cooling from $\varnothing 0.2-3$ mm
- center cutting
- neck clearance

Tool material	Solid carbide
Coating	X
Type	H
Shank form	HA



Series no.

6815

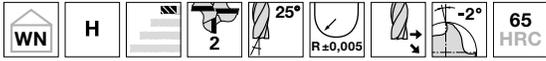
$d1_{-0.005/-0.015}$	$d2_{h5}$	$d3$	$l1$	$l2$	$l3$	$l4$	$l5$	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
0.20	4.00	0.18	50	0.2	0.50	9.2	22.0	0.10	11.80	2	0.200
0.30	4.00	0.28	50	0.3	0.75	9.1	22.0	0.15	11.60	2	0.300
0.40	4.00	0.38	50	0.4	1.00	9.1	22.0	0.20	11.40	2	0.400
0.50	4.00	0.45	50	0.5	1.25	9.2	22.0	0.25	11.00	2	0.500
0.60	4.00	0.55	50	0.6	1.50	9.2	22.0	0.30	10.80	2	0.600
0.80	4.00	0.75	50	0.8	2.00	9.1	22.0	0.40	10.40	2	0.800
1.00	4.00	0.92	50	1.0	2.50	9.2	22.0	0.50	9.70	2	1.000
1.20	4.00	1.12	50	1.2	3.00	9.3	22.0	0.60	9.10	2	1.200
1.50	4.00	1.40	50	1.5	4.00	9.6	22.0	0.75	8.00	2	1.500
1.80	4.00	1.70	50	1.8	4.50	9.4	22.0	0.90	7.30	2	1.800
2.00	6.00	1.85	50	2.0	5.00	14.2	14.0	1.00	8.60	2	2.000
2.50	6.00	2.35	50	2.5	6.50	14.6	15.0	1.25	7.40	2	2.500
3.00	6.00	2.85	50	3.0	7.50	14.4	14.0	1.50	6.60	2	3.000
4.00	6.00	3.80	50	4.0	12.50	15.5	14.0	2.00	4.20	2	4.000
5.00	6.00	4.80	50	5.0	15.00	16.6	14.0	2.50	2.00	2	5.000
6.00	6.00	5.70	54	6.0	17.00	17.6	18.0	3.00	N/A	2	6.000
8.00	8.00	7.70	58	8.0	22.00	22.6	22.0	4.00	N/A	2	8.000
10.00	10.00	9.50	72	10.0	25.00	25.9	32.0	5.00	N/A	2	10.000
12.00	12.00	11.50	73	12.0	30.00	30.9	28.0	6.00	N/A	2	12.000

EDP Number

- 9068150002000
- 9068150003000
- 9068150004000
- 9068150005000
- 9068150006000
- 9068150008000
- 9068150010000
- 9068150012000
- 9068150015000
- 9068150018000
- 9068150020000
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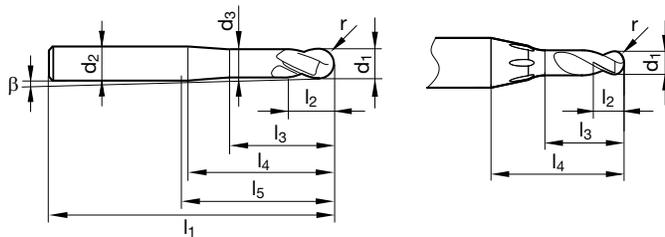
Ball nose end mills G-Mold μ 65 B



P	○
M	
K	●
N	
S	
H	●

- High-precision ball nose end mills for maximum form accuracy
- exact tolerance of the radius contour $r = 0.5 \times d1 \pm 0.005$ mm
- \varnothing tolerance $d1$ of $\varnothing 0.2-3$ mm $+0.000/-0.010$ mm
- with GühroJet peripheral cooling from $\varnothing 0.2-3$ mm
- center cutting
- neck clearance

Tool material	Solid carbide
Coating	X
Type	H
Shank form	HA



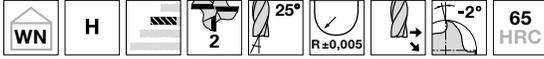
Series no. **6816**

$d1_{-0.015}^{+0.005}$	$d2_{h5}$	$d3$	$l1$	$l2$	$l3$	$l4$	$l5$	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
0.20	4.00	0.18	50	0.2	0.75	9.5	22.0	0.10	11.40	2	0.200
0.30	4.00	0.28	50	0.3	1.00	9.4	22.0	0.15	11.30	2	0.300
0.40	4.00	0.38	50	0.4	1.50	9.6	22.0	0.20	10.80	2	0.400
0.50	4.00	0.45	50	0.5	1.50	9.5	22.0	0.25	10.70	2	0.500
0.60	4.00	0.55	50	0.6	2.00	9.7	22.0	0.30	10.20	2	0.600
0.80	4.00	0.75	50	0.8	3.00	10.1	22.0	0.40	9.30	2	0.800
1.00	4.00	0.92	50	1.0	3.00	9.7	22.0	0.50	9.20	2	1.000
1.20	4.00	1.12	50	1.2	4.00	10.3	22.0	0.60	8.20	2	1.200
1.50	4.00	1.40	50	1.5	6.00	11.6	22.0	0.75	6.50	2	1.500
1.80	4.00	1.70	50	1.8	6.00	10.9	22.0	0.90	6.20	2	1.800
2.00	6.00	1.85	50	2.0	6.00	15.2	15.0	1.00	8.00	2	2.000
2.50	6.00	2.35	50	2.5	8.00	16.1	16.0	1.25	6.70	2	2.500
3.00	6.00	2.85	57	3.0	10.00	16.9	21.0	1.50	5.50	2	3.000
4.00	6.00	3.80	57	4.0	14.00	17.0	21.0	2.00	3.80	2	4.000
5.00	6.00	4.80	57	5.0	18.00	19.6	21.0	2.50	1.60	2	5.000
6.00	6.00	5.70	57	6.0	20.00	20.6	21.0	3.00	N/A	2	6.000
8.00	8.00	7.70	63	8.0	26.00	26.6	27.0	4.00	N/A	2	8.000
10.00	10.00	9.50	72	10.0	31.00	31.9	32.0	5.00	N/A	2	10.000
12.00	12.00	11.50	83	12.0	37.00	37.9	38.0	6.00	N/A	2	12.000

EDP Number
9068160002000
9068160003000
9068160004000
9068160005000
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9068160010000
9068160012000
9068160015000
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9068160120000



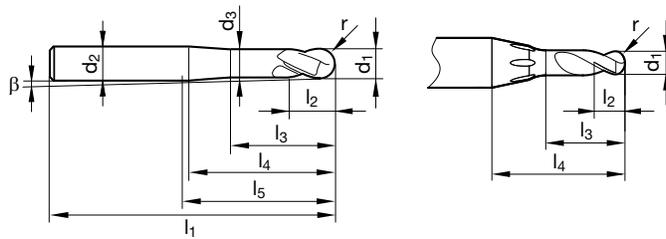
Ball nose end mills G-Mold μ 65 B



P	○
M	
K	●
N	
S	
H	●

- High-precision ball nose end mills for maximum form accuracy
- exact tolerance of the radius contour $r = 0.5 \times d1 \pm 0.005$ mm
- \varnothing tolerance $d1$ of $\varnothing 0.2-3$ mm $+0.000/-0.010$ mm
- with GühroJet peripheral cooling from $\varnothing 0.2-3$ mm
- center cutting
- neck clearance

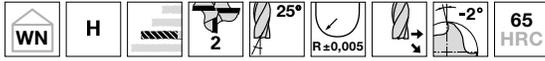
Tool material	Solid carbide
Coating	X
Type	H
Shank form	HA



											Series no.	6817
$d1_{-0.005/-0.015}$	$d2_{h5}$	$d3$	$l1$	$l2$	$l3$	$l4$	$l5$	r	β	No. of flutes	Code no.	EDP Number
0.20	4.00	0.18	50	0.2	1.0	9.7	22.0	0.10	11.20	2	0.200	9068170002000
0.30	4.00	0.28	50	0.3	1.5	9.9	22.0	0.15	10.70	2	0.300	9068170003000
0.40	4.00	0.38	50	0.4	2.0	10.1	22.0	0.20	10.30	2	0.400	9068170004000
0.50	4.00	0.45	50	0.5	2.5	10.5	22.0	0.25	9.60	2	0.500	9068170005000
0.60	4.00	0.55	50	0.6	3.0	10.7	22.0	0.30	9.20	2	0.600	9068170006000
0.80	4.00	0.75	50	0.8	4.0	11.1	22.0	0.40	8.50	2	0.800	9068170008000
1.00	4.00	0.92	50	1.0	5.0	11.7	22.0	0.50	7.60	2	1.000	9068170010000
1.20	4.00	1.12	50	1.2	6.0	12.3	22.0	0.60	6.80	2	1.200	9068170012000
1.50	4.00	1.40	50	1.5	8.0	13.6	22.0	0.75	5.50	2	1.500	9068170015000
1.80	4.00	1.70	50	1.8	9.0	13.9	22.0	0.90	4.80	2	1.800	9068170018000
2.00	6.00	1.85	50	2.0	10.0	19.2	19.0	1.00	6.20	2	2.000	9068170020000
2.50	6.00	2.35	50	2.5	12.5	20.6	21.0	1.25	5.10	2	2.500	9068170025000
3.00	6.00	2.85	65	3.0	15.0	21.9	29.0	1.50	4.20	2	3.000	9068170030000
4.00	6.00	3.80	65	4.0	20.0	23.0	29.0	2.00	2.70	2	4.000	9068170040000
5.00	6.00	4.80	65	5.0	25.0	26.6	29.0	2.50	1.10	2	5.000	9068170050000
6.00	6.00	5.70	65	6.0	25.0	25.6	29.0	3.00	N/A	2	6.000	9068170060000
8.00	8.00	7.70	75	8.0	30.0	30.6	39.0	4.00	N/A	2	8.000	9068170080000
10.00	10.00	9.50	90	10.0	40.0	40.9	50.0	5.00	N/A	2	10.000	9068170100000
12.00	12.00	11.50	100	12.0	40.0	40.9	55.0	6.00	N/A	2	12.000	9068170120000



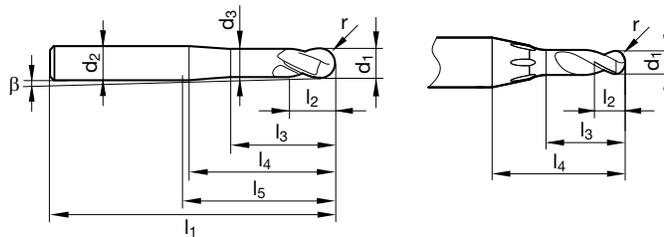
Ball nose end mills G-Mold μ 65 B



P	○
M	
K	●
N	
S	
H	●

- High-precision ball nose end mills for maximum form accuracy
- exact tolerance of the radius contour $r = 0.5 \times d1 \pm 0.005 \text{ mm}$
- \varnothing tolerance $d1$ of $\varnothing 0.2\text{-}3 \text{ mm} +0.000\text{-}0.010 \text{ mm}$
- with GühroJet peripheral cooling from $\varnothing 0.2\text{-}3 \text{ mm}$
- center cutting
- neck clearance

Tool material	Solid carbide
Coating	X
Type	H
Shank form	HA



Series no.

6818

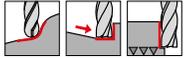
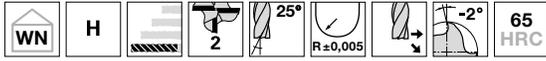
$d1_{-0.005, -0.015}$	$d2_{h5}$	$d3$	$l1$	$l2$	$l3$	$l4$	$l5$	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
0.20	4.00	0.18	50	0.2	1.25	10.0	22.0	0.10	10.80	2	0.200
0.30	4.00	0.28	50	0.3	2.00	10.4	22.0	0.15	10.20	2	0.300
0.40	4.00	0.38	50	0.4	3.00	11.1	22.0	0.20	9.30	2	0.400
0.50	4.00	0.45	50	0.5	3.00	11.0	22.0	0.25	9.20	2	0.500
0.60	4.00	0.55	50	0.6	4.00	11.7	22.0	0.30	8.40	2	0.600
0.80	4.00	0.75	50	0.8	5.00	12.1	22.0	0.40	7.70	2	0.800
1.00	4.00	0.92	50	1.0	7.00	13.7	22.0	0.50	6.40	2	1.000
1.20	4.00	1.12	50	1.2	8.00	14.3	22.0	0.60	5.80	2	1.200
1.50	4.00	1.40	50	1.5	10.00	15.6	22.0	0.75	4.80	2	1.500
1.80	4.00	1.70	55	1.8	12.00	16.9	27.0	0.90	3.90	2	1.800
2.00	6.00	1.85	57	2.0	12.00	21.2	21.0	1.00	5.60	2	2.000
2.50	6.00	2.35	57	2.5	15.00	23.1	23.0	1.25	4.50	2	2.500
3.00	6.00	2.85	65	3.0	18.00	24.9	29.0	1.50	3.60	2	3.000
4.00	6.00	3.80	65	4.0	24.00	27.0	29.0	2.00	2.30	2	4.000
5.00	6.00	4.80	80	5.0	30.00	31.6	44.0	2.50	0.90	2	5.000
6.00	6.00	5.70	80	6.0	30.00	30.6	44.0	3.00	N/A	2	6.000
8.00	8.00	7.70	90	8.0	40.00	40.6	54.0	4.00	N/A	2	8.000
10.00	10.00	9.50	100	10.0	50.00	50.9	60.0	5.00	N/A	2	10.000
12.00	12.00	11.50	120	12.0	60.00	60.9	75.0	6.00	N/A	2	12.000

EDP Number

- 9068180002000
- 9068180003000
- 9068180004000
- 9068180005000
- 9068180006000
- 9068180008000
- 9068180010000
- 9068180012000
- 9068180015000
- 9068180018000
- 9068180020000
- 9068180025000
- 9068180030000
- 9068180040000
- 9068180050000
- 9068180060000
- 9068180080000
- 9068180100000
- 9068180120000



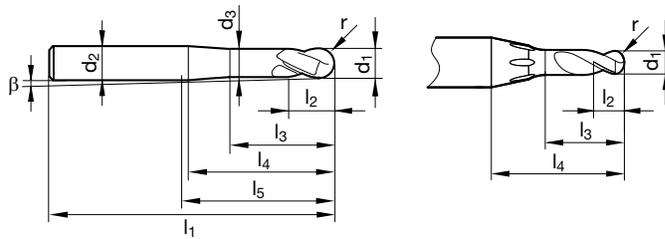
Ball nose end mills G-Mold μ 65 B



P	○
M	
K	●
N	
S	
H	●

- High-precision ball nose end mills for maximum form accuracy
- exact tolerance of the radius contour $r = 0.5 \times d1 \pm 0.005$ mm
- \varnothing tolerance $d1$ of $\varnothing 0.2-3$ mm $+0.000/-0.010$ mm
- with GührJet peripheral cooling from $\varnothing 0.2-3$ mm
- center cutting
- neck clearance

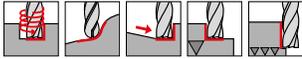
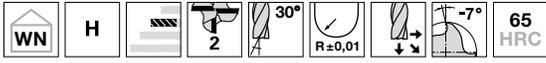
Tool material	Solid carbide
Coating	X
Type	H
Shank form	HA



											Series no.	6819	
$d1_{-0.005/-0.015}$	$d2_{h5}$	$d3$	$l1$	$l2$	$l3$	$l4$	$l5$	r	β	No. of flutes	Code no.	EDP Number	
0.20	4.00	0.18	50	0.2	1.5	10.2	22.0	0.10	10.60	2	0.200	9068190002000	
0.30	4.00	0.28	50	0.3	3.0	11.4	22.0	0.15	9.30	2	0.300	9068190003000	
0.40	4.00	0.38	50	0.4	4.0	12.1	22.0	0.20	8.60	2	0.400	9068190004000	
0.50	4.00	0.45	50	0.5	5.0	13.0	22.0	0.25	7.80	2	0.500	9068190005000	
0.60	4.00	0.55	50	0.6	6.0	13.7	22.0	0.30	7.20	2	0.600	9068190006000	
0.80	4.00	0.75	50	0.8	8.0	15.1	22.0	0.40	6.20	2	0.800	9068190008000	
1.00	4.00	0.92	50	1.0	10.0	16.7	22.0	0.50	5.30	2	1.000	9068190010000	
1.20	4.00	1.12	55	1.2	12.0	18.3	27.0	0.60	4.50	2	1.200	9068190012000	
1.50	4.00	1.40	55	1.5	16.0	21.6	27.0	0.75	3.40	2	1.500	9068190015000	
1.80	4.00	1.70	63	1.8	20.0	24.9	35.0	0.90	2.60	2	1.800	9068190018000	
2.00	6.00	1.85	65	2.0	20.0	29.2	29.0	1.00	4.00	2	2.000	9068190020000	
2.50	6.00	2.35	65	2.5	20.0	28.1	29.0	1.25	3.70	2	2.500	9068190025000	
3.00	6.00	2.85	70	3.0	25.0	31.9	34.0	1.50	2.80	2	3.000	9068190030000	
4.00	6.00	3.80	75	4.0	32.0	35.0	39.0	2.00	1.70	2	4.000	9068190040000	
5.00	6.00	4.80	80	5.0	42.0	43.6	44.0	2.50	0.70	2	5.000	9068190050000	
6.00	6.00	5.70	100	6.0	40.0	40.6	64.0	3.00	N/A	2	6.000	9068190060000	
8.00	8.00	7.70	100	8.0	40.0	40.6	64.0	4.00	N/A	2	8.000	9068190080000	



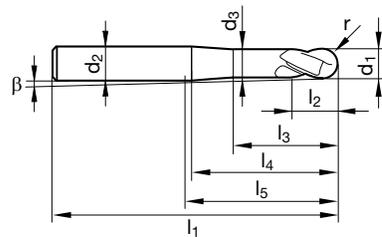
Ball nose end mills G-Mold 65 B



P	○
M	
K	●
N	
S	
H	●

- neck clearance
- center cutting
- Perrox coating up to 1/8; Signum coating above 1/8

Tool material	Solid carbide
Coating	
Type	H
Shank form	HA



Series no.

6841

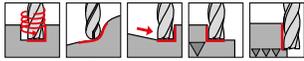
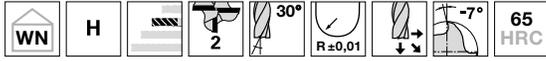
d1 ^{-0.0004} _{-0.0010}	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
inch	inch	inch	inch	inch	inch	inch	inch	inch	°		
1/8	3/16	0.119	2 1/16	1/8	0.438	0.532	0.961	0.0625	5.2	2	3.170
3/16	1/4	0.180	2	3/16	0.500	0.597	0.622	0.0938	2.9	2	4.760
1/4	1/4	0.238	2	1/4	N/A	0.616	0.622	0.1250	N/A	2	6.350
5/16	5/16	0.301	2 1/2	5/16	N/A	0.991	1.083	0.1563	N/A	2	7.940
3/8	3/8	0.363	2 1/2	3/8	N/A	0.991	1.083	0.1875	N/A	2	9.520
1/2	1/2	0.480	3	1/2	N/A	1.224	1.220	0.2500	N/A	2	12.700

EDP Number

- 9068410031700
- 9068410047600
- 9068410063500
- 9068410079400
- 9068410095200
- 9068410127000



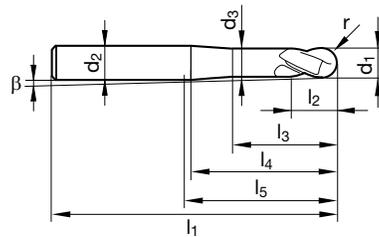
Ball nose end mills G-Mold 65 B



P	○
M	
K	●
N	
S	
H	●

- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

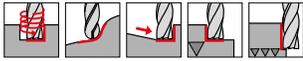
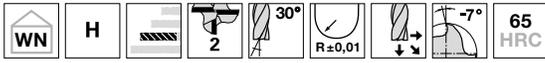
Tool material	Solid carbide
Coating	
Type	H
Shank form	HA



Series no.											6832	
d1 ^{-0.01} _{-0.03}	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
0.50	4.00	0.45	45	0.5	2.5	9.1	17.0	0.25	10.80	2	0.500	9068320005000
0.80	4.00	0.75	45	0.8	3.2	9.3	17.0	0.40	9.70	2	0.800	9068320008000
1.00	4.00	0.92	45	1.0	4.0	9.7	17.0	0.50	8.70	2	1.000	9068320010000
1.50	4.00	1.40	45	1.5	6.0	10.9	17.0	0.75	6.50	2	1.500	9068320015000
2.00	6.00	1.85	54	2.0	8.0	13.7	18.0	1.00	8.30	2	2.000	9068320020000
3.00	6.00	2.85	54	3.0	12.0	16.3	18.0	1.50	5.20	2	3.000	9068320030000
4.00	6.00	3.80	57	4.0	14.0	17.0	21.0	2.00	3.30	2	4.000	9068320040000
5.00	6.00	4.80	57	5.0	17.0	18.6	21.0	2.50	1.50	2	5.000	9068320050000
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	3.00	N/A	2	6.000	9068320060000
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	4.00	N/A	2	8.000	9068320080000
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	5.00	N/A	2	10.000	9068320100000
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	6.00	N/A	2	12.000	9068320120000



Ball nose end mills G-Mold 65 B



P	○
M	
K	●
N	
S	
H	●

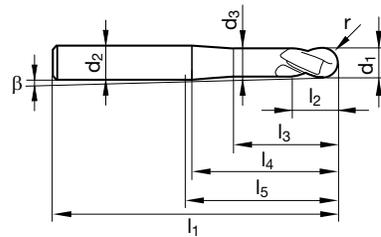
- neck clearance
- center cutting
- Perrox coating up to 1/8; Signum coating above 1/8

Tool material **Solid carbide**

Coating

Type H

Shank form HA



Series no.

6842

d1 _{-0.03} ^{0.01}	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
inch	inch	inch	inch	inch	inch	inch	inch	inch	°		
1/8	3/16	0.119	2 1/2	1/8	0.875	0.969	1.398	0.0625	3.3	2	3.170
3/16	1/4	0.180	2 1/2	3/16	0.938	1.034	1.122	0.0938	1.7	2	4.760
1/4	1/4	0.238	3	1/4	N/A	1.522	1.622	0.1250	N/A	2	6.350
5/16	5/16	0.301	3	5/16	N/A	1.522	1.583	0.1563	N/A	2	7.940
3/8	3/8	0.363	3	3/8	N/A	1.522	1.583	0.1875	N/A	2	9.520
1/2	1/2	0.480	4 1/2	1/2	N/A	2.724	2.72	0.2500	N/A	2	12.700

EDP Number

9068420031700

9068420047600

9068420063500

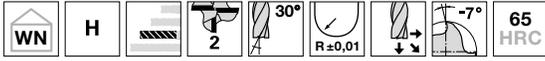
9068420079400

9068420095200

9068420127000



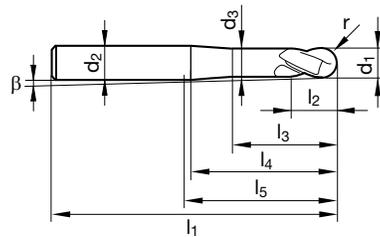
Ball nose end mills G-Mold 65 B



P	○
M	
K	●
N	
S	
H	●

- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

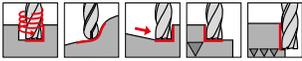
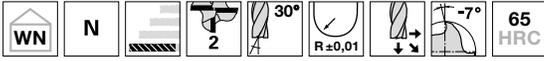
Tool material	Solid carbide
Coating	
Type	H
Shank form	HA



Series no.											6833	
d1 ^{-0,01} _{-0,03}	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
0.50	4.00	0.45	50	0.5	3.6	10.2	22.0	0.25	9.70	2	0.500	9068330005000
0.80	4.00	0.75	50	0.8	5.0	11.1	22.0	0.40	8.20	2	0.800	9068330008000
1.00	4.00	0.92	50	1.0	6.5	12.2	22.0	0.50	7.00	2	1.000	9068330010000
1.50	4.00	1.40	50	1.5	10.0	14.9	22.0	0.75	4.80	2	1.500	9068330015000
2.00	6.00	1.85	57	2.0	13.0	18.7	21.0	1.00	6.10	2	2.000	9068330020000
3.00	6.00	2.85	65	3.0	20.0	24.3	29.0	1.50	3.50	2	3.000	9068330030000
4.00	6.00	3.80	75	4.0	25.0	28.0	39.0	2.00	2.00	2	4.000	9068330040000
5.00	6.00	4.80	75	5.0	31.0	32.6	39.0	2.50	0.80	2	5.000	9068330050000
6.00	6.00	5.70	75	6.0	38.0	38.6	39.0	3.00	N/A	2	6.000	9068330060000
8.00	8.00	7.70	90	8.0	53.0	53.6	54.0	4.00	N/A	2	8.000	9068330080000
10.00	10.00	9.50	100	10.0	59.0	59.9	60.0	5.00	N/A	2	10.000	9068330100000
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	6.00	N/A	2	12.000	9068330120000



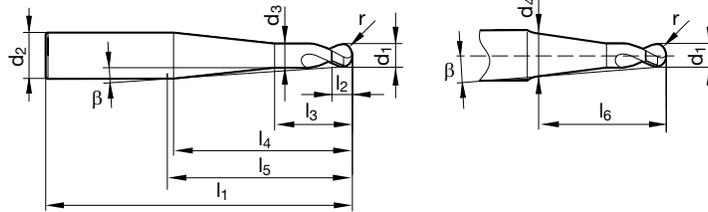
Ball nose end mills G-Mold 65 B



P	○
M	○
K	●
N	○
S	○
H	●

- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	N
Shank form	HA



Series no.

6834

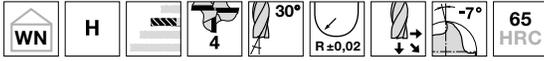
$d1^{+0.01/-0.03}$	d2 h5	d3	d4	l1	l2	l3	l4	l5	l6	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
0.50	4.00	0.45	1.47	50	0.5	1.3	14.7	22.0	10.0	0.25	3.00	2	0.500
0.80	4.00	0.75	2.38	50	0.8	2.0	19.0	22.0	16.0	0.40	3.00	2	0.800
1.00	4.00	0.92	2.99	63	1.0	2.5	21.9	35.0	20.0	0.50	3.00	2	1.000
1.50	4.00	1.40	N/A	63	1.5	3.8	25.6	35.0	N/A	0.75	3.00	2	1.500
2.00	6.00	1.85	N/A	80	2.0	5.0	40.1	44.0	N/A	1.00	3.00	2	2.000
3.00	6.00	2.85	N/A	80	3.0	7.5	31.1	44.0	N/A	1.50	3.00	2	3.000
4.00	6.00	3.80	N/A	80	4.0	10.0	22.0	44.0	N/A	2.00	3.00	2	4.000
5.00	8.00	4.80	N/A	90	5.0	12.5	32.1	54.0	N/A	2.50	3.00	2	5.000
6.00	8.00	5.70	N/A	90	6.0	15.0	43.1	54.0	N/A	3.00	1.50	2	6.000
8.00	10.00	7.70	N/A	100	8.0	20.0	44.1	60.0	N/A	4.00	1.50	2	8.000
10.00	12.00	9.50	N/A	120	10.0	25.0	45.1	75.0	N/A	5.00	1.50	2	10.000

EDP Number

- 9068340005000
- 9068340008000
- 9068340010000
- 9068340015000
- 9068340020000
- 9068340030000
- 9068340040000
- 9068340050000
- 9068340060000
- 9068340080000
- 9068340100000



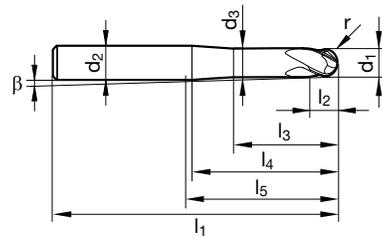
Ball nose end mills G-Mold 65 B



P	○
M	
K	●
N	
S	
H	●

- 4 face cutting edges up to the center
- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	H
Shank form	HA



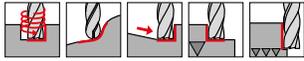
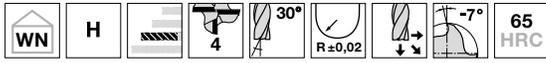
Series no.	6835
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$d1^{+0.01/-0.03}$	$d2\ h5$	$d3$	$l1$	$l2$	$l3$	$l4$	$l5$	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
1.00	4.00	0.92	45	1.0	4.0	9.7	17.0	0.50	8.70	4	1.000
1.50	4.00	1.40	45	1.5	6.0	10.9	17.0	0.75	6.50	4	1.500
2.00	6.00	1.85	54	2.0	8.0	13.7	18.0	1.00	8.30	4	2.000
3.00	6.00	2.85	54	3.0	12.0	16.3	18.0	1.50	5.20	4	3.000
4.00	6.00	3.80	57	4.0	14.0	17.0	21.0	2.00	3.30	4	4.000
5.00	6.00	4.80	57	5.0	17.0	18.6	21.0	2.50	1.50	4	5.000
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	3.00	N/A	4	6.000
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	4.00	N/A	4	8.000
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	5.00	N/A	4	10.000
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	6.00	N/A	4	12.000

EDP Number	
9068350010000	
9068350015000	
9068350020000	
9068350030000	
9068350040000	
9068350050000	
9068350060000	
9068350080000	
9068350100000	
9068350120000	

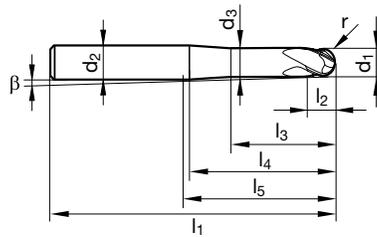


Ball nose end mills G-Mold 65 B



P	○
M	
K	●
N	
S	
H	●

- 4 face cutting edges up to the center
- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm



Tool material	Solid carbide
Coating	
Type	H
Shank form	HA



Series no.

6836

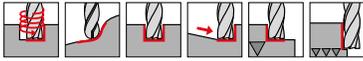
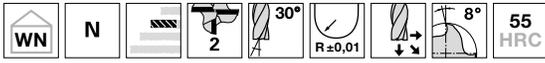
d1 ^{+0.01} _{-0.03}	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
1.00	4.00	0.92	50	1.0	6.5	12.2	25.0	0.50	7.00	4	1.000
1.50	4.00	1.40	50	1.5	10.0	14.9	25.5	0.75	4.80	4	1.500
2.00	6.00	1.85	57	2.0	13.0	18.7	29.5	1.00	6.10	4	2.000
3.00	6.00	2.85	65	3.0	20.0	24.3	34.5	1.50	3.50	4	3.000
4.00	6.00	3.80	75	4.0	25.0	28.0	40.6	2.00	2.00	4	4.000
5.00	6.00	4.80	75	5.0	31.0	32.6	41.6	2.50	0.80	4	5.000
6.00	6.00	5.70	75	6.0	38.0	38.6	39.0	3.00	N/A	4	6.000
8.00	8.00	7.70	90	8.0	53.0	53.6	54.0	4.00	N/A	4	8.000
10.00	10.00	9.50	100	10.0	59.0	59.9	60.0	5.00	N/A	4	10.000
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	6.00	N/A	4	12.000

EDP Number

- 9068360010000
- 9068360015000
- 9068360020000
- 9068360030000
- 9068360040000
- 9068360050000
- 9068360060000
- 9068360080000
- 9068360100000
- 9068360120000



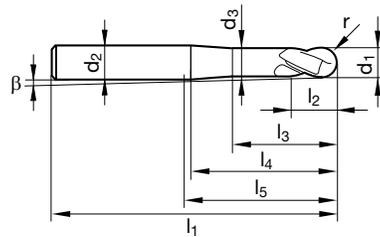
Ball nose end mills G-Mold 55 B



P	•
M	•
K	•
N	○
S	•
H	•

- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	N
Shank form	HA



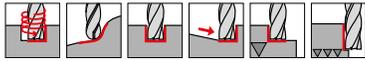
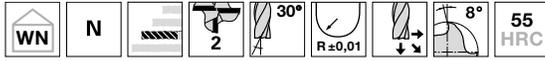
Series no.											6844	
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d1 ^{-0.01} _{-0.03}	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	°			
0.50	4.00	0.45	45	0.5	2.5	9.1	17.0	0.25	10.80	2	0.500
0.80	4.00	0.75	45	0.8	3.2	9.3	17.0	0.40	9.70	2	0.800
1.00	4.00	0.92	45	1.0	4.0	9.7	17.0	0.50	8.70	2	1.000
1.50	4.00	1.40	45	1.5	6.0	10.9	17.0	0.75	6.50	2	1.500
2.00	6.00	1.85	54	2.0	8.0	13.7	18.0	1.00	8.30	2	2.000
3.00	6.00	2.85	54	3.0	12.0	16.3	18.0	1.50	5.20	2	3.000
4.00	6.00	3.80	57	4.0	14.0	17.0	21.0	2.00	3.30	2	4.000
5.00	6.00	4.80	57	5.0	17.0	18.6	21.0	2.50	1.50	2	5.000
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	3.00	N/A	2	6.000
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	4.00	N/A	2	8.000
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	5.00	N/A	2	10.000
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	6.00	N/A	2	12.000

EDP Number	
9068440005000	
9068440008000	
9068440010000	
9068440015000	
9068440020000	
9068440030000	
9068440040000	
9068440050000	
9068440060000	
9068440080000	
9068440100000	
9068440120000	



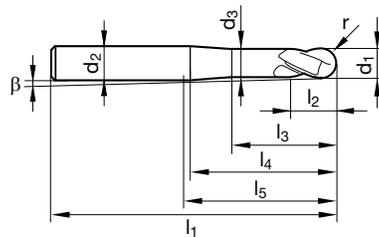
Ball nose end mills G-Mold 55 B



P	•
M	•
K	•
N	○
S	•
H	•

- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	N
Shank form	HA



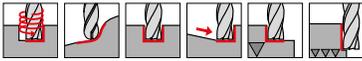
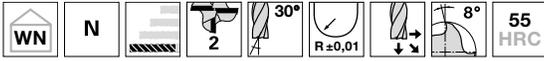
Series no. **6845**

$d1 \begin{smallmatrix} -0.01 \\ -0.03 \end{smallmatrix}$	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
0.50	4.00	0.45	50	0.5	3.6	10.2	22.0	0.25	9.70	2	0.500
0.80	4.00	0.75	50	0.8	5.0	11.1	22.0	0.40	8.20	2	0.800
1.00	4.00	0.92	50	1.0	6.5	12.2	22.0	0.50	7.00	2	1.000
1.50	4.00	1.40	50	1.5	10.0	14.9	22.0	0.75	4.80	2	1.500
2.00	6.00	1.85	57	2.0	13.0	18.7	21.0	1.00	6.10	2	2.000
3.00	6.00	2.85	65	3.0	20.0	24.3	29.0	1.50	3.50	2	3.000
4.00	6.00	3.80	75	4.0	25.0	28.0	39.0	2.00	2.00	2	4.000
5.00	6.00	4.80	75	5.0	31.0	32.6	39.0	2.50	0.80	2	5.000
6.00	6.00	5.70	75	6.0	38.0	38.6	39.0	3.00	N/A	2	6.000
8.00	8.00	7.70	90	8.0	53.0	53.6	54.0	4.00	N/A	2	8.000
10.00	10.00	9.50	100	10.0	59.0	59.9	60.0	5.00	N/A	2	10.000
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	6.00	N/A	2	12.000

EDP Number	
9068450005000	
9068450008000	
9068450010000	
9068450015000	
9068450020000	
9068450030000	
9068450040000	
9068450050000	
9068450060000	
9068450080000	
9068450100000	
9068450120000	



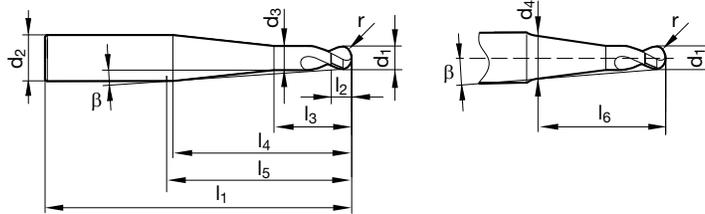
Ball nose end mills G-Mold 55 B



P	•
M	•
K	•
N	○
S	•
H	•

- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	N
Shank form	HA



Series no.

6846

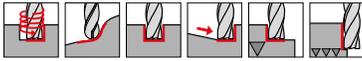
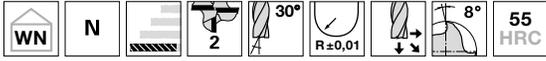
$d1_{-0.03}^{+0.01}$	d2 h5	d3	d4	l1	l2	l3	l4	l5	l6	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
0.50	4.00	0.45	0.96	50	0.5	1.3	15.7	22.0	10.0	0.25	1.50	2	0.500
0.80	4.00	0.75	1.56	50	0.8	2.0	20.5	22.0	16.0	0.40	1.50	2	0.800
1.00	4.00	0.92	1.97	63	1.0	2.5	23.8	35.0	20.0	0.50	1.50	2	1.000
1.50	4.00	1.40	2.98	63	1.5	3.8	31.9	35.0	30.0	0.75	1.50	2	1.500
2.00	6.00	1.85	3.99	80	2.0	5.0	43.7	44.0	40.0	1.00	1.50	2	2.000
3.00	6.00	2.85	4.96	80	3.0	7.5	41.9	44.0	40.0	1.50	1.50	2	3.000
4.00	6.00	3.80	N/A	80	4.0	10.0	42.1	44.0	N/A	2.00	1.50	2	4.000
5.00	8.00	4.80	6.91	90	5.0	12.5	42.0	54.0	40.0	2.50	1.50	2	5.000
6.00	8.00	5.70	N/A	90	6.0	15.0	43.1	54.0	N/A	3.00	1.50	2	6.000
8.00	10.00	7.70	N/A	100	8.0	20.0	44.1	60.0	N/A	4.00	1.50	2	8.000
10.00	12.00	9.50	N/A	120	10.0	25.0	45.1	75.0	N/A	5.00	1.50	2	10.000

EDP Number

- 9068460005000
- 9068460008000
- 9068460010000
- 9068460015000
- 9068460020000
- 9068460030000
- 9068460040000
- 9068460050000
- 9068460060000
- 9068460080000
- 9068460100000



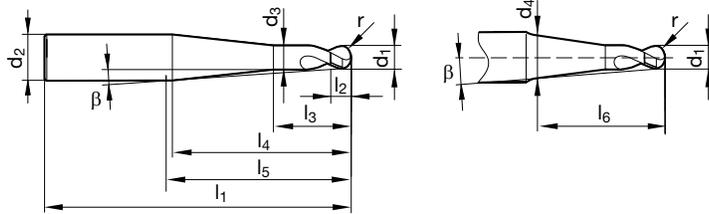
Ball nose end mills G-Mold 55 B



P	•
M	•
K	•
N	○
S	•
H	•

- neck clearance
- center cutting
- Perroco coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	N
Shank form	HA



Series no.

6847

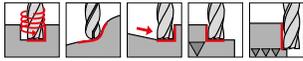
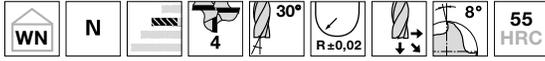
d1 ^{-0,01 -0,03}	d2 h5	d3	d4	l1	l2	l3	l4	l5	l6	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
0.50	4.00	0.45	0.79	50	0.5	1.3	16.0	22.0	10.0	0.25	1.00	2	0.500
0.80	4.00	0.75	1.29	50	0.8	2.0	21.0	22.0	16.0	0.40	1.00	2	0.800
1.00	4.00	0.92	1.63	63	1.0	2.5	24.4	35.0	20.0	0.50	1.00	2	1.000
1.50	4.00	1.40	2.47	63	1.5	3.8	32.8	35.0	30.0	0.75	1.00	2	1.500
2.00	6.00	1.85	3.31	80	2.0	5.0	45.0	44.0	40.0	1.00	1.00	2	2.000
3.00	6.00	2.85	4.29	80	3.0	7.5	43.2	44.0	40.0	1.50	1.00	2	3.000
4.00	6.00	3.80	5.28	80	4.0	10.0	41.3	44.0	40.0	2.00	1.00	2	4.000
5.00	8.00	4.80	6.61	90	5.0	12.5	52.6	54.0	50.0	2.50	1.00	2	5.000
6.00	8.00	5.70	7.59	90	6.0	15.0	50.8	54.0	50.0	3.00	1.00	2	6.000
8.00	10.00	7.70	N/A	100	8.0	20.0	64.2	60.0	N/A	4.00	1.00	2	8.000

EDP Number

- 9068470005000
- 9068470008000
- 9068470010000
- 9068470015000
- 9068470020000
- 9068470030000
- 9068470040000
- 9068470050000
- 9068470060000
- 9068470080000



Ball nose end mills G-Mold 55 B



P	•
M	•
K	•
N	○
S	•
H	•

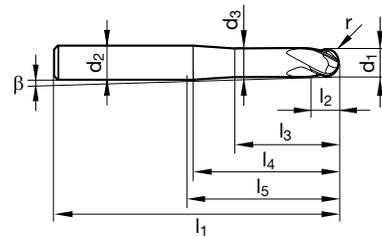
- 4 face cutting edges up to the center
- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material **Solid carbide**

Coating

Type N

Shank form HA



Series no.

6848

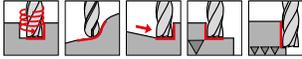
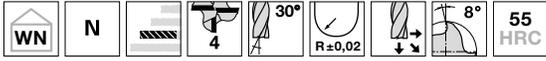
d1 ^{-0,01} _{-0,03}	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
1.00	4.00	0.92	45	1.0	4.0	9.7	17.0	0.50	8.70	4	1.000
1.50	4.00	1.40	45	1.5	6.0	10.9	17.0	0.75	6.50	4	1.500
2.00	6.00	1.85	54	2.0	8.0	13.7	18.0	1.00	8.30	4	2.000
3.00	6.00	2.85	54	3.0	12.0	16.3	18.0	1.50	5.20	4	3.000
4.00	6.00	3.80	57	4.0	14.0	17.0	21.0	2.00	3.30	4	4.000
5.00	6.00	4.80	57	5.0	17.0	18.6	21.0	2.50	1.50	4	5.000
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	3.00	N/A	4	6.000
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	4.00	N/A	4	8.000
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	5.00	N/A	4	10.000
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	6.00	N/A	4	12.000

EDP Number

- 9068480010000
- 9068480015000
- 9068480020000
- 9068480030000
- 9068480040000
- 9068480050000
- 9068480060000
- 9068480080000
- 9068480100000
- 9068480120000



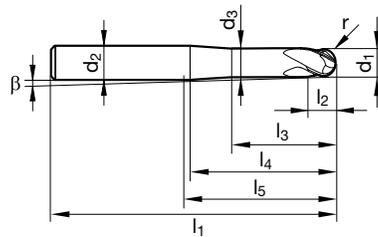
Ball nose end mills G-Mold 55 B



P	•
M	•
K	•
N	○
S	•
H	•

- 4 face cutting edges up to the center
- neck clearance
- center cutting
- Perro coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	N
Shank form	HA



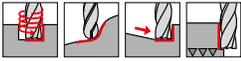
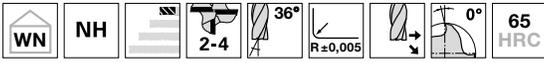
Series no. **6849**

d1 _{-0.03} ^{0.01}	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
1.00	4.00	0.92	50	1.0	6.5	12.2	25.0	0.50	7.00	4	1.000
1.50	4.00	1.40	50	1.5	10.0	14.9	25.5	0.75	4.80	4	1.500
2.00	6.00	1.85	57	2.0	13.0	18.7	29.5	1.00	6.10	4	2.000
3.00	6.00	2.85	65	3.0	20.0	24.3	34.5	1.50	3.50	4	3.000
4.00	6.00	3.80	75	4.0	25.0	28.0	40.5	2.00	2.00	4	4.000
5.00	6.00	4.80	75	5.0	31.0	32.6	41.5	2.50	0.80	4	5.000
6.00	6.00	5.70	75	6.0	38.0	38.6	39.0	3.00	N/A	4	6.000
8.00	8.00	7.70	90	8.0	53.0	53.6	54.0	4.00	N/A	4	8.000
10.00	10.00	9.50	100	10.0	59.0	59.9	60.0	5.00	N/A	4	10.000
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	6.00	N/A	4	12.000

EDP Number	
9068490010000	
9068490015000	
9068490020000	
9068490030000	
9068490040000	
9068490050000	
9068490060000	
9068490080000	
9068490100000	
9068490120000	



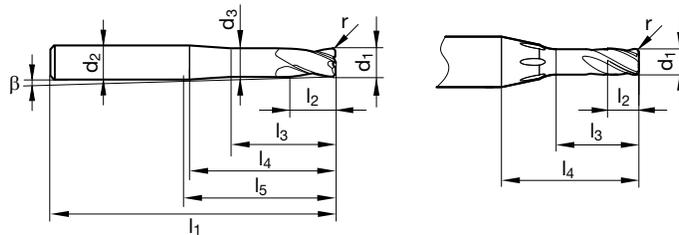
Torus end mills G-Mold μ 65 T



P	○
M	
K	●
N	
S	
H	●

- High-precision ball nose end mills for maximum form accuracy
- exact tolerance of the radius contour $r = \pm 0.005$ mm
- \varnothing tolerance d_1 of $\varnothing 0.2-3$ mm $+0.000/-0.010$ mm
- with GührJet peripheral cooling from $\varnothing 0.3-3$ mm
- center cutting
- neck clearance

Tool material	Solid carbide
Coating	X
Type	NH
Shank form	HA



Series no.												6820
d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
0.30	4.00	0.28	50	0.3	0.75	9.1	22.0	0.05	11.50	2	0.300	9068200003000
0.50	4.00	0.45	50	0.5	1.25	9.2	22.0	0.05	10.80	2	0.500	9068200005000
0.50	4.00	0.45	50	0.5	1.25	9.2	22.0	0.10	10.80	2	0.501	9068200005010
0.60	4.00	0.55	50	0.6	1.50	9.2	22.0	0.05	10.50	2	0.600	9068200006000
0.60	4.00	0.55	50	0.6	1.50	9.2	22.0	0.10	10.50	2	0.601	9068200006010
0.80	4.00	0.75	50	0.8	2.00	9.1	22.0	0.05	10.00	2	0.800	9068200008000
0.80	4.00	0.75	50	0.8	2.00	9.1	22.0	0.10	10.00	2	0.801	9068200008010
0.80	4.00	0.75	50	0.8	2.00	9.1	22.0	0.20	10.20	2	0.802	9068200008020
1.00	4.00	0.92	50	1.0	2.50	9.2	22.0	0.10	9.30	2	1.001	9068200010010
1.00	4.00	0.92	50	1.0	2.50	9.2	22.0	0.20	9.40	2	1.002	9068200010020
1.00	4.00	0.92	50	1.0	2.50	9.2	22.0	0.30	9.50	2	1.003	9068200010030
1.50	4.00	1.40	50	1.5	4.00	9.6	27.0	0.10	7.50	2	1.501	9068200015010
1.50	4.00	1.40	50	1.5	4.00	9.6	27.0	0.20	7.50	2	1.502	9068200015020
1.50	4.00	1.40	50	1.5	4.00	9.6	27.0	0.50	7.80	2	1.505	9068200015050
2.00	6.00	1.85	50	2.0	5.00	14.2	29.0	0.20	8.10	2	2.002	9068200020020
2.00	6.00	1.85	50	2.0	5.00	14.2	29.0	0.50	8.30	2	2.005	9068200020050
2.50	6.00	2.35	50	2.5	6.00	14.1	29.0	0.20	7.10	2	2.502	9068200025020
2.50	6.00	2.35	50	2.5	6.00	14.1	29.0	0.50	7.30	2	2.505	9068200025050
3.00	6.00	2.85	50	3.0	8.00	14.9	34.0	0.20	5.80	2	3.002	9068200030020
3.00	6.00	2.85	50	3.0	8.00	14.9	34.0	0.30	5.80	2	3.003	9068200030030
3.00	6.00	2.85	50	3.0	8.00	14.9	34.0	0.50	5.90	2	3.005	9068200030050
4.00	6.00	3.80	50	4.0	10.00	13.0	39.0	0.20	4.40	4	4.002	9068200040020
4.00	6.00	3.80	50	4.0	10.00	13.0	39.0	0.50	4.50	4	4.005	9068200040050
4.00	6.00	3.80	50	4.0	10.00	13.0	39.0	1.00	4.70	4	4.010	9068200040100
5.00	6.00	4.80	50	5.0	12.50	14.1	44.0	0.50	2.10	4	5.005	9068200050050
6.00	6.00	5.70	54	6.0	15.00	15.6	64.0	0.20	N/A	4	6.002	9068200060020
6.00	6.00	5.70	54	6.0	15.00	15.6	64.0	0.50	N/A	4	6.005	9068200060050
6.00	6.00	5.70	54	6.0	15.00	15.6	64.0	1.00	N/A	4	6.010	9068200060100
8.00	8.00	7.70	58	8.0	20.00	20.6	64.0	0.50	N/A	4	8.005	9068200080050
8.00	8.00	7.70	58	8.0	20.00	20.6	64.0	0.80	N/A	4	8.008	9068200080080



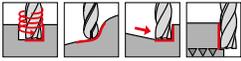
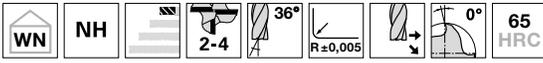
Series no.

6820

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
8.00	8.00	7.70	58	8.0	20.00	20.6	64.0	1.00	N/A	4	8.010	9068200080100
10.00	10.00	9.50	72	10.0	25.00	25.9	32.0	0.50	N/A	4	10.005	9068200100050
10.00	10.00	9.50	72	10.0	25.00	25.9	32.0	1.00	N/A	4	10.010	9068200100100
10.00	10.00	9.50	72	10.0	25.00	25.9	32.0	2.00	N/A	4	10.020	9068200100200
12.00	12.00	11.50	73	12.0	30.00	30.9	28.0	0.50	N/A	4	12.005	9068200120050
12.00	12.00	11.50	73	12.0	30.00	30.9	28.0	1.00	N/A	4	12.010	9068200120100
12.00	12.00	11.50	73	12.0	30.00	30.9	28.0	2.00	N/A	4	12.020	9068200120200



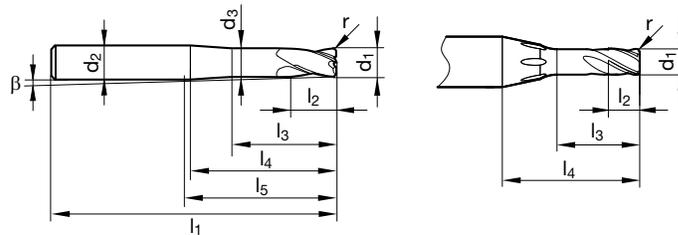
Torus end mills G-Mold μ 65 T



P	○
M	
K	●
N	
S	
H	●

- High-precision ball nose end mills for maximum form accuracy
- exact tolerance of the radius contour $r = \pm 0.005$ mm
- \varnothing tolerance $d1$ of $\varnothing 0.2-3$ mm $+0.000/-0.010$ mm
- with GührJet peripheral cooling from $\varnothing 0.3-3$ mm
- center cutting
- neck clearance

Tool material	Solid carbide
Coating	X
Type	NH
Shank form	HA



											Series no.	6821
d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
0.30	4.00	0.28	50	0.3	1.0	9.4	22.0	0.05	11.20	2	0.300	9068210003000
0.50	4.00	0.45	50	0.5	1.5	9.5	22.0	0.05	10.50	2	0.500	9068210005000
0.50	4.00	0.45	50	0.5	1.5	9.5	22.0	0.10	10.50	2	0.501	9068210005010
0.60	4.00	0.55	50	0.6	2.0	9.7	22.0	0.05	10.00	2	0.600	9068210006000
0.60	4.00	0.55	50	0.6	2.0	9.7	22.0	0.10	10.00	2	0.601	9068210006010
0.80	4.00	0.75	50	0.8	3.0	10.1	22.0	0.05	9.00	2	0.800	9068210008000
0.80	4.00	0.75	50	0.8	3.0	10.1	22.0	0.10	9.10	2	0.801	9068210008010
0.80	4.00	0.75	50	0.8	3.0	10.1	22.0	0.20	9.10	2	0.802	9068210008020
1.00	4.00	0.92	50	1.0	3.0	9.7	22.0	0.10	8.80	2	1.001	9068210010010
1.00	4.00	0.92	50	1.0	3.0	9.7	22.0	0.20	8.90	2	1.002	9068210010020
1.00	4.00	0.92	50	1.0	3.0	9.7	22.0	0.30	9.00	2	1.003	9068210010030
1.50	4.00	1.40	50	1.5	6.0	11.6	27.0	0.10	6.20	2	1.501	9068210015010
1.50	4.00	1.40	50	1.5	6.0	11.6	27.0	0.20	6.20	2	1.502	9068210015020
1.50	4.00	1.40	50	1.5	6.0	11.6	27.0	0.50	6.40	2	1.505	9068210015050
2.00	6.00	1.85	50	2.0	6.0	15.2	29.0	0.20	7.60	2	2.002	9068210020020
2.00	6.00	1.85	50	2.0	6.0	15.2	29.0	0.50	7.70	2	2.005	9068210020050
2.50	6.00	2.35	50	2.5	8.0	16.1	29.0	0.20	6.20	2	2.502	9068210025020
2.50	6.00	2.35	50	2.5	8.0	16.1	29.0	0.50	6.40	2	2.505	9068210025050
3.00	6.00	2.85	57	3.0	10.0	16.9	34.0	0.20	5.10	2	3.002	9068210030020
3.00	6.00	2.85	57	3.0	10.0	16.9	34.0	0.30	5.10	2	3.003	9068210030030
3.00	6.00	2.85	57	3.0	10.0	16.9	34.0	0.50	5.20	2	3.005	9068210030050
4.00	6.00	3.80	57	4.0	14.0	17.0	39.0	0.20	3.40	4	4.002	9068210040020
4.00	6.00	3.80	57	4.0	14.0	17.0	39.0	0.50	3.40	4	4.005	9068210040050
4.00	6.00	3.80	57	4.0	14.0	17.0	39.0	1.00	3.50	4	4.010	9068210040100
5.00	6.00	4.80	57	5.0	18.0	19.6	44.0	0.50	1.50	4	5.005	9068210050050
6.00	6.00	5.70	57	6.0	20.0	20.6	64.0	0.20	N/A	4	6.002	9068210060020
6.00	6.00	5.70	57	6.0	20.0	20.6	64.0	0.50	N/A	4	6.005	9068210060050
6.00	6.00	5.70	57	6.0	20.0	20.6	64.0	1.00	N/A	4	6.010	9068210060100
8.00	8.00	7.70	63	8.0	26.0	26.6	64.0	0.50	N/A	4	8.005	9068210080050
8.00	8.00	7.70	63	8.0	26.0	26.6	64.0	0.80	N/A	4	8.008	9068210080080
8.00	8.00	7.70	63	8.0	26.0	26.6	64.0	1.00	N/A	4	8.010	9068210080100



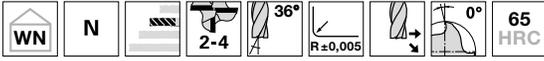
Series no.

6821

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β °	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm				
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	0.50	N/A	4	10.005	9068210100050
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	1.00	N/A	4	10.010	9068210100100
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	2.00	N/A	4	10.020	9068210100200
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	0.50	N/A	4	12.005	9068210120050
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	1.00	N/A	4	12.010	9068210120100
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	2.00	N/A	4	12.020	9068210120200



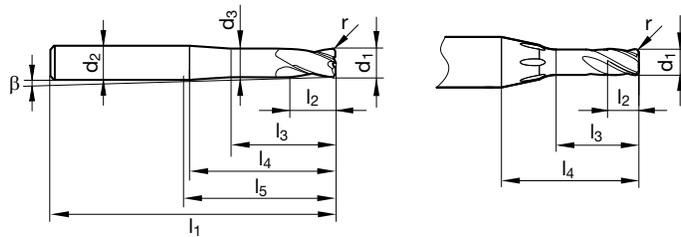
Torus end mills G-Mold μ 65 T



P	○
M	
K	●
N	
S	
H	●

- High-precision ball nose end mills for maximum form accuracy
- exact tolerance of the radius contour $r = \pm 0.005$ mm
- \varnothing tolerance d_1 of $\varnothing 0.2-3$ mm $+0.000/-0.010$ mm
- with GührJet peripheral cooling from $\varnothing 0.3-3$ mm
- center cutting
- neck clearance

Tool material	Solid carbide
Coating	⊗
Type	N
Shank form	HA



Series no.											6822
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d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
0.30	4.00	0.28	50	0.3	1.5	9.9	22.0	0.05	10.60	2	0.300	9068220003000
0.50	4.00	0.45	50	0.5	2.5	10.5	22.0	0.05	9.50	2	0.500	9068220005000
0.50	4.00	0.45	50	0.5	2.5	10.5	22.0	0.10	9.50	2	0.501	9068220005010
0.60	4.00	0.55	50	0.6	3.0	10.7	22.0	0.05	9.00	2	0.600	9068220006000
0.60	4.00	0.55	50	0.6	3.0	10.7	22.0	0.10	9.10	2	0.601	9068220006010
0.80	4.00	0.75	50	0.8	4.0	11.1	22.0	0.05	8.20	2	0.800	9068220008000
0.80	4.00	0.75	50	0.8	4.0	11.1	22.0	0.10	8.20	2	0.801	9068220008010
0.80	4.00	0.75	50	0.8	4.0	11.1	22.0	0.20	8.30	2	0.802	9068220008020
1.00	4.00	0.92	50	1.0	5.0	11.7	22.0	0.10	7.30	2	1.001	9068220010010
1.00	4.00	0.92	50	1.0	5.0	11.7	22.0	0.20	7.40	2	1.002	9068220010020
1.00	4.00	0.92	50	1.0	5.0	11.7	22.0	0.30	7.50	2	1.003	9068220010030
1.50	4.00	1.40	50	1.5	8.0	13.6	27.0	0.10	5.30	2	1.501	9068220015010
1.50	4.00	1.40	50	1.5	8.0	13.6	27.0	0.20	5.30	2	1.502	9068220015020
1.50	4.00	1.40	50	1.5	8.0	13.6	27.0	0.50	5.40	2	1.505	9068220015050
2.00	6.00	1.85	50	2.0	10.0	19.2	29.0	0.20	6.00	2	2.002	9068220020020
2.00	6.00	1.85	50	2.0	10.0	19.2	29.0	0.50	6.10	2	2.005	9068220020050
2.50	6.00	2.35	50	2.5	12.5	20.6	29.0	0.20	4.90	2	2.502	9068220025020
2.50	6.00	2.35	50	2.5	12.5	20.6	29.0	0.50	4.90	2	2.505	9068220025050
3.00	6.00	2.85	65	3.0	15.0	21.9	34.0	0.20	3.90	2	3.002	9068220030020
3.00	6.00	2.85	65	3.0	15.0	21.9	34.0	0.30	3.90	2	3.003	9068220030030
3.00	6.00	2.85	65	3.0	15.0	21.9	34.0	0.50	4.00	2	3.005	9068220030050
4.00	6.00	3.80	65	4.0	20.0	23.0	39.0	0.20	2.50	4	4.002	9068220040020
4.00	6.00	3.80	65	4.0	20.0	23.0	39.0	0.50	2.50	4	4.005	9068220040050
4.00	6.00	3.80	65	4.0	20.0	23.0	39.0	1.00	2.60	4	4.010	9068220040100
5.00	6.00	4.80	65	5.0	25.0	26.6	44.0	0.50	1.10	4	5.005	9068220050050
6.00	6.00	5.70	65	6.0	25.0	25.6	64.0	0.20	N/A	4	6.002	9068220060020
6.00	6.00	5.70	65	6.0	25.0	25.6	64.0	0.50	N/A	4	6.005	9068220060050
6.00	6.00	5.70	65	6.0	25.0	25.6	64.0	1.00	N/A	4	6.010	9068220060100
8.00	8.00	7.70	75	8.0	30.0	30.6	64.0	0.50	N/A	4	8.005	9068220080050
8.00	8.00	7.70	75	8.0	30.0	30.6	64.0	0.80	N/A	4	8.008	9068220080080
8.00	8.00	7.70	75	8.0	30.0	30.6	64.0	1.00	N/A	4	8.010	9068220080100



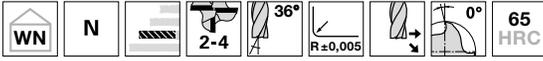
Series no.

6822

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	°				
10.00	10.00	9.50	90	10.0	40.0	40.9	50.0	0.50	N/A	4	10.005	9068220100050
10.00	10.00	9.50	90	10.0	40.0	40.9	50.0	1.00	N/A	4	10.010	9068220100100
10.00	10.00	9.50	90	10.0	40.0	40.9	50.0	2.00	N/A	4	10.020	9068220100200
12.00	12.00	11.50	100	12.0	40.0	40.9	55.0	0.50	N/A	4	12.005	9068220120050
12.00	12.00	11.50	100	12.0	40.0	40.9	55.0	1.00	N/A	4	12.010	9068220120100
12.00	12.00	11.50	100	12.0	40.0	40.9	55.0	2.00	N/A	4	12.020	9068220120200



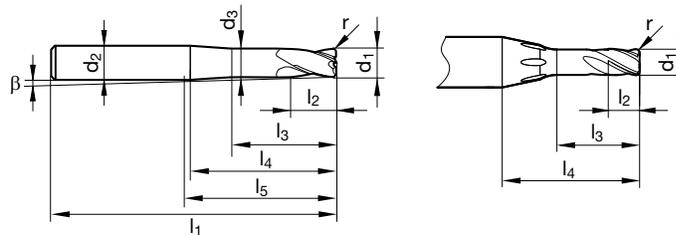
Torus end mills G-Mold μ 65 T



P	○
M	
K	●
N	
S	
H	●

- High-precision ball nose end mills for maximum form accuracy
- exact tolerance of the radius contour $r = \pm 0.005$ mm
- \varnothing tolerance d_1 of $\varnothing 0.2-3$ mm $+0.000/-0.010$ mm
- with GührJet peripheral cooling from $\varnothing 0.3-3$ mm
- center cutting
- neck clearance

Tool material	Solid carbide
Coating	⊗
Type	N
Shank form	HA



Series no.

6823

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
0.30	4.00	0.28	50	0.3	2.0	10.4	22.0	0.05	10.10	2	0.300
0.50	4.00	0.45	50	0.5	3.0	11.0	22.0	0.05	9.00	2	0.500
0.50	4.00	0.45	50	0.5	3.0	11.0	22.0	0.10	9.10	2	0.501
0.60	4.00	0.55	50	0.6	4.0	11.7	22.0	0.05	8.30	2	0.600
0.60	4.00	0.55	50	0.6	4.0	11.7	22.0	0.10	8.30	2	0.601
0.80	4.00	0.75	50	0.8	5.0	12.1	22.0	0.05	7.50	2	0.800
0.80	4.00	0.75	50	0.8	5.0	12.1	22.0	0.10	7.60	2	0.801
0.80	4.00	0.75	50	0.8	5.0	12.1	22.0	0.20	7.60	2	0.802
1.00	4.00	0.92	50	1.0	8.0	14.7	22.0	0.10	5.80	2	1.001
1.00	4.00	0.92	50	1.0	8.0	14.7	22.0	0.20	5.90	2	1.002
1.00	4.00	0.92	50	1.0	8.0	14.7	22.0	0.30	5.90	2	1.003
1.50	4.00	1.40	50	1.5	10.0	15.6	27.0	0.10	4.60	2	1.501
1.50	4.00	1.40	50	1.5	10.0	15.6	27.0	0.20	4.60	2	1.502
1.50	4.00	1.40	50	1.5	10.0	15.6	27.0	0.50	4.70	2	1.505
2.00	6.00	1.85	57	2.0	12.0	21.2	29.0	0.20	5.40	2	2.002
2.00	6.00	1.85	57	2.0	12.0	21.2	29.0	0.50	5.50	2	2.005
2.50	6.00	2.35	57	2.5	15.0	23.1	29.0	0.20	4.30	2	2.502
2.50	6.00	2.35	57	2.5	15.0	23.1	29.0	0.50	4.40	2	2.505
3.00	6.00	2.85	65	3.0	18.0	24.9	34.0	0.20	3.40	2	3.002
3.00	6.00	2.85	65	3.0	18.0	24.9	34.0	0.30	3.50	2	3.003
3.00	6.00	2.85	65	3.0	18.0	24.9	34.0	0.50	3.50	2	3.005
4.00	6.00	3.80	65	4.0	24.0	27.0	39.0	0.20	2.10	4	4.002
4.00	6.00	3.80	65	4.0	24.0	27.0	39.0	0.50	2.10	4	4.005
4.00	6.00	3.80	65	4.0	24.0	27.0	39.0	1.00	2.20	4	4.010
5.00	6.00	4.80	80	5.0	30.0	31.6	44.0	0.50	0.90	4	5.005
6.00	6.00	5.70	80	6.0	30.0	30.6	64.0	0.20	N/A	4	6.002
6.00	6.00	5.70	80	6.0	30.0	30.6	64.0	0.50	N/A	4	6.005
6.00	6.00	5.70	80	6.0	30.0	30.6	64.0	1.00	N/A	4	6.010
8.00	8.00	7.70	90	8.0	40.0	40.6	64.0	0.50	N/A	4	8.005
8.00	8.00	7.70	90	8.0	40.0	40.6	64.0	0.80	N/A	4	8.008
8.00	8.00	7.70	90	8.0	40.0	40.6	64.0	1.00	N/A	4	8.010

EDP Number

9068230003000
9068230005000
9068230005010
9068230006000
9068230006010
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9068230008010
9068230008020
9068230010010
9068230010020
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9068230080100



Series no.

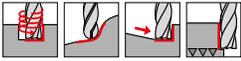
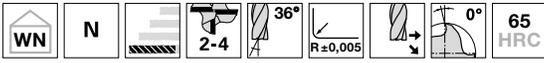
6823

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
10.00	10.00	9.50	100	10.0	50.0	50.9	60.0	0.50	N/A	4	10.005
10.00	10.00	9.50	100	10.0	50.0	50.9	60.0	1.00	N/A	4	10.010
10.00	10.00	9.50	100	10.0	50.0	50.9	60.0	2.00	N/A	4	10.020
12.00	12.00	11.50	120	12.0	60.0	60.9	75.0	0.50	N/A	4	12.005
12.00	12.00	11.50	120	12.0	60.0	60.9	75.0	1.00	N/A	4	12.010
12.00	12.00	11.50	120	12.0	60.0	60.9	75.0	2.00	N/A	4	12.020

EDP Number**9068230100050****9068230100100****9068230100200****9068230120050****9068230120100****9068230120200**

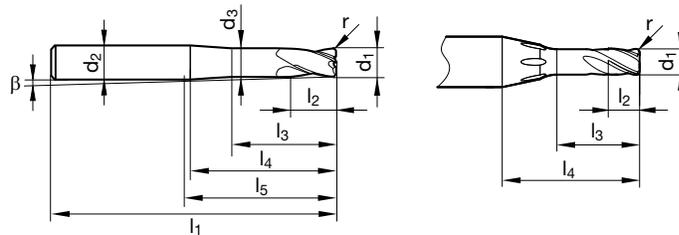


Torus end mills G-Mold μ 65 T



P	○
M	
K	●
N	
S	
H	●

- High-precision ball nose end mills for maximum form accuracy
- exact tolerance of the radius contour $r = \pm 0.005$ mm
- \varnothing tolerance d_1 of $\varnothing 0.2-3$ mm $+0.000/-0.010$ mm
- with GührJet peripheral cooling from $\varnothing 0.3-3$ mm
- center cutting
- neck clearance



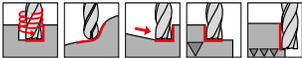
Tool material	Solid carbide
Coating	⊗
Type	N
Shank form	HA



											Series no.	6824
d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
0.30	4.00	0.28	50	0.3	3.0	11.4	22.0	0.05	9.20	2	0.300	9068240003000
0.50	4.00	0.45	50	0.5	5.0	13.0	22.0	0.05	7.70	2	0.500	9068240005000
0.50	4.00	0.45	50	0.5	5.0	13.0	22.0	0.10	7.70	2	0.501	9068240005010
0.60	4.00	0.55	50	0.6	6.0	13.7	22.0	0.05	7.10	2	0.600	9068240006000
0.60	4.00	0.55	50	0.6	6.0	13.7	22.0	0.10	7.10	2	0.601	9068240006010
0.80	4.00	0.75	50	0.8	8.0	15.1	22.0	0.05	6.00	2	0.800	9068240008000
0.80	4.00	0.75	50	0.8	8.0	15.1	22.0	0.10	6.10	2	0.801	9068240008010
0.80	4.00	0.75	50	0.8	8.0	15.1	22.0	0.20	6.10	2	0.802	9068240008020
1.00	4.00	0.92	50	1.0	10.0	16.7	22.0	0.10	5.10	2	1.001	9068240010010
1.00	4.00	0.92	50	1.0	10.0	16.7	22.0	0.20	5.20	2	1.002	9068240010020
1.00	4.00	0.92	50	1.0	10.0	16.7	22.0	0.30	5.20	2	1.003	9068240010030
1.50	4.00	1.40	55	1.5	16.0	21.6	27.0	0.10	3.30	2	1.501	9068240015010
1.50	4.00	1.40	55	1.5	16.0	21.6	27.0	0.20	3.30	2	1.502	9068240015020
1.50	4.00	1.40	55	1.5	16.0	21.6	27.0	0.50	3.30	2	1.505	9068240015050
2.00	6.00	1.85	65	2.0	20.0	29.2	29.0	0.20	3.90	2	2.002	9068240020020
2.00	6.00	1.85	65	2.0	20.0	29.2	29.0	0.50	3.90	2	2.005	9068240020050
2.50	6.00	2.35	65	2.5	20.0	28.1	29.0	0.20	3.50	2	2.502	9068240025020
2.50	6.00	2.35	65	2.5	20.0	28.1	29.0	0.50	3.60	2	2.505	9068240025050
3.00	6.00	2.85	70	3.0	25.0	31.9	34.0	0.20	2.70	2	3.002	9068240030020
3.00	6.00	2.85	70	3.0	25.0	31.9	34.0	0.30	2.70	2	3.003	9068240030030
3.00	6.00	2.85	70	3.0	25.0	31.9	34.0	0.50	2.70	2	3.005	9068240030050
4.00	6.00	3.80	75	4.0	32.0	35.0	39.0	0.20	1.60	4	4.002	9068240040020
4.00	6.00	3.80	75	4.0	32.0	35.0	39.0	0.50	1.60	4	4.005	9068240040050
4.00	6.00	3.80	75	4.0	32.0	35.0	39.0	1.00	1.60	4	4.010	9068240040100
5.00	6.00	4.80	80	5.0	42.0	43.6	44.0	0.50	0.60	4	5.005	9068240050050
6.00	6.00	5.70	100	6.0	40.0	40.6	64.0	0.20	N/A	4	6.002	9068240060020
6.00	6.00	5.70	100	6.0	40.0	40.6	64.0	0.50	N/A	4	6.005	9068240060050
6.00	6.00	5.70	100	6.0	40.0	40.6	64.0	1.00	N/A	4	6.010	9068240060100
8.00	8.00	7.70	100	8.0	40.0	40.6	64.0	0.50	N/A	4	8.005	9068240080050
8.00	8.00	7.70	100	8.0	40.0	40.6	64.0	0.80	N/A	4	8.008	9068240080080
8.00	8.00	7.70	100	8.0	40.0	40.6	64.0	1.00	N/A	4	8.010	9068240080100



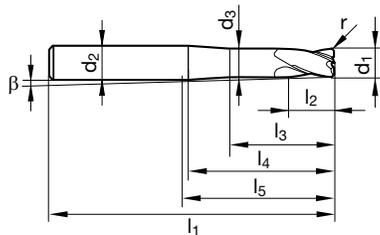
Torus end mills G-Mold 65 T



P	○
M	
K	●
N	
S	
H	●

● neck clearance
● center cutting

Tool material	Solid carbide
Coating	X
Type	H
Shank form	HA



Series no.

6837

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
1.00	4.00	0.92	45	1.0	4.0	9.7	17.0	0.10	8.80	4	1.001
1.00	4.00	0.92	45	1.0	4.0	9.7	17.0	0.20	8.90	4	1.002
1.50	4.00	1.40	45	1.5	6.0	10.9	17.0	0.20	6.60	4	1.502
2.00	6.00	1.85	54	2.0	8.0	13.7	18.0	0.10	8.30	4	2.001
2.00	6.00	1.85	54	2.0	8.0	13.7	18.0	0.20	8.40	4	2.002
2.00	6.00	1.85	54	2.0	8.0	13.7	18.0	0.50	8.60	4	2.005
3.00	6.00	2.85	54	3.0	12.0	16.3	18.0	0.10	5.30	4	3.001
3.00	6.00	2.85	54	3.0	12.0	16.3	18.0	0.30	5.30	4	3.003
3.00	6.00	2.85	54	3.0	12.0	16.3	18.0	0.50	5.40	4	3.005
4.00	6.00	3.80	57	4.0	14.0	17.0	21.0	0.20	3.40	4	4.002
4.00	6.00	3.80	57	4.0	14.0	17.0	21.0	0.30	3.40	4	4.003
4.00	6.00	3.80	57	4.0	14.0	17.0	21.0	0.50	3.40	4	4.005
5.00	6.00	4.80	57	5.0	17.0	18.6	21.0	0.20	1.50	4	5.002
5.00	6.00	4.80	57	5.0	17.0	18.6	21.0	0.50	1.50	4	5.005
5.00	6.00	4.80	57	5.0	17.0	18.6	21.0	1.00	1.60	4	5.010
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	0.20	N/A	4	6.002
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	0.30	N/A	4	6.003
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	0.50	N/A	4	6.005
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	1.00	N/A	4	6.010
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	1.50	N/A	4	6.015
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	2.00	N/A	4	6.020
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	0.30	N/A	4	8.003
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	0.50	N/A	4	8.005
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	1.00	N/A	4	8.010
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	1.50	N/A	4	8.015
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	2.00	N/A	4	8.020
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	0.30	N/A	4	10.003
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	0.50	N/A	4	10.005
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	1.00	N/A	4	10.010
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	1.50	N/A	4	10.015
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	2.00	N/A	4	10.020

EDP Number
9068370010010
9068370010020
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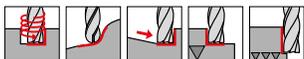
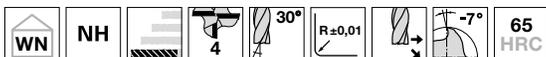
Series no.

6837

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	3.00	N/A	4	10.030	9068370100300
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	0.50	N/A	4	12.005	9068370120050
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	1.00	N/A	4	12.010	9068370120100
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	2.00	N/A	4	12.020	9068370120200
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	3.00	N/A	4	12.030	9068370120300
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	4.00	N/A	4	12.040	9068370120400



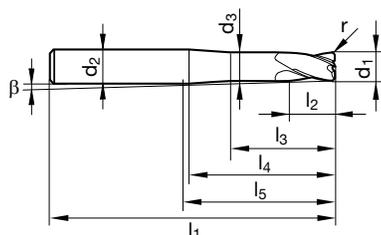
Torus end mills G-Mold 65 T



P	○
M	
K	●
N	
S	
H	●

- neck clearance
- center cutting

Tool material	Solid carbide
Coating	⊗
Type	NH
Shank form	HA



Series no.

6843

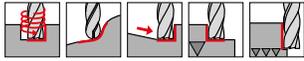
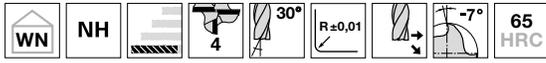
d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
inch	inch	inch	inch	inch	inch	inch	inch	inch	°		
3/16	1/4	0.180	2 1/2	3/16	1	1.097	1.122	0.008	1.6	4	4.762
3/16	1/4	0.180	2 1/2	3/16	1	1.097	1.122	0.020	1.6	4	4.764
1/4	1/4	0.238	3	1/4	N/A	1.522	1.622	0.010	N/A	4	6.352
1/4	1/4	0.238	3	1/4	N/A	1.522	1.622	0.030	N/A	4	6.354
5/16	5/16	0.301	3	5/16	N/A	1.522	1.583	0.013	N/A	4	7.942
5/16	5/16	0.301	3	5/16	N/A	1.522	1.583	0.050	N/A	4	7.944
3/8	3/8	0.363	3	3/8	N/A	1.522	1.583	0.013	N/A	4	9.522
3/8	3/8	0.363	3	3/8	N/A	1.522	1.583	0.050	N/A	4	9.524
1/2	1/2	0.480	4 1/2	1/2	N/A	2.724	2.720	0.020	N/A	4	12.702
1/2	1/2	0.480	4 1/2	1/2	N/A	2.724	2.720	0.050	N/A	4	12.704

EDP Number

- 9068430047620
- 9068430047640
- 9068430063520
- 9068430063540
- 9068430079420
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- 9068430095220
- 9068430095240
- 9068430127020
- 9068430127040



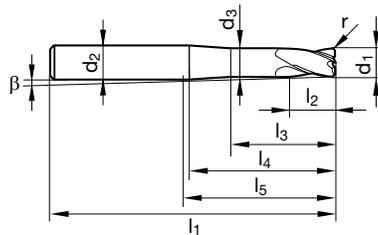
Torus end mills G-Mold 65 T



P	○
M	
K	●
N	
S	
H	●

- neck clearance
- center cutting

Tool material	Solid carbide
Coating	⊗
Type	NH
Shank form	HA



Series no. **6838**

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
1.00	4.00	0.92	50	1.0	6.5	12.2	22.0	0.10	7.00	4	1.001
1.00	4.00	0.92	50	1.0	6.5	12.2	22.0	0.20	7.10	4	1.002
1.50	4.00	1.40	50	1.5	10.0	14.9	22.0	0.20	4.80	4	1.502
2.00	6.00	1.85	57	2.0	13.0	18.7	21.0	0.10	6.10	4	2.001
2.00	6.00	1.85	57	2.0	13.0	18.7	21.0	0.20	6.10	4	2.002
2.00	6.00	1.85	57	2.0	13.0	18.7	21.0	0.50	6.20	4	2.005
3.00	6.00	2.85	65	3.0	20.0	24.3	29.0	0.10	3.50	4	3.001
3.00	6.00	2.85	65	3.0	20.0	24.3	29.0	0.30	3.50	4	3.003
3.00	6.00	2.85	65	3.0	20.0	24.3	29.0	0.50	3.60	4	3.005
4.00	6.00	3.80	75	4.0	25.0	28.0	39.0	0.20	2.00	4	4.002
4.00	6.00	3.80	75	4.0	25.0	28.0	39.0	0.30	2.00	4	4.003
4.00	6.00	3.80	75	4.0	25.0	28.0	39.0	0.50	2.00	4	4.005
5.00	6.00	4.80	75	5.0	31.0	32.6	39.0	0.20	0.80	4	5.002
5.00	6.00	4.80	75	5.0	31.0	32.6	39.0	0.50	0.90	4	5.005
5.00	6.00	4.80	75	5.0	31.0	32.6	39.0	1.00	0.90	4	5.010
6.00	6.00	5.70	75	6.0	38.0	38.6	39.0	0.20	N/A	4	6.002
6.00	6.00	5.70	75	6.0	38.0	38.6	39.0	0.30	N/A	4	6.003
6.00	6.00	5.70	75	6.0	38.0	38.6	39.0	0.50	N/A	4	6.005
6.00	6.00	5.70	75	6.0	38.0	38.6	39.0	1.00	N/A	4	6.010
6.00	6.00	5.70	75	6.0	38.0	38.6	39.0	1.50	N/A	4	6.015
6.00	6.00	5.70	75	6.0	38.0	38.6	39.0	2.00	N/A	4	6.020
8.00	8.00	7.70	90	8.0	53.0	53.6	54.0	0.30	N/A	4	8.003
8.00	8.00	7.70	90	8.0	53.0	53.6	54.0	0.50	N/A	4	8.005
8.00	8.00	7.70	90	8.0	53.0	53.6	54.0	1.00	N/A	4	8.010
8.00	8.00	7.70	90	8.0	53.0	53.6	54.0	1.50	N/A	4	8.015
8.00	8.00	7.70	90	8.0	53.0	53.6	54.0	2.00	N/A	4	8.020
10.00	10.00	9.50	100	10.0	59.0	59.9	60.0	0.30	N/A	4	10.003
10.00	10.00	9.50	100	10.0	59.0	59.9	60.0	0.50	N/A	4	10.005
10.00	10.00	9.50	100	10.0	59.0	59.9	60.0	1.00	N/A	4	10.010
10.00	10.00	9.50	100	10.0	59.0	59.9	60.0	1.50	N/A	4	10.015
10.00	10.00	9.50	100	10.0	59.0	59.9	60.0	2.00	N/A	4	10.020

EDP Number
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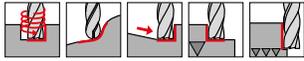
Series no.

6838

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
10.00	10.00	9.50	100	10.0	59.0	59.9	60.0	3.00	N/A	4	10.030	9068380100300
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	0.50	N/A	4	12.005	9068380120050
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	1.00	N/A	4	12.010	9068380120100
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	2.00	N/A	4	12.020	9068380120200
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	3.00	N/A	4	12.030	9068380120300
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	4.00	N/A	4	12.040	9068380120400



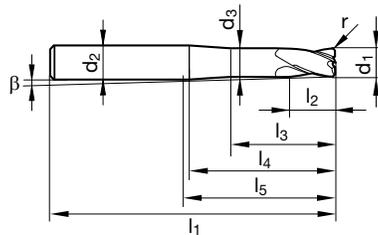
Torus end mills G-Mold 55 T



P	○
M	○
K	●
N	○
S	○
H	●

- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	NH
Shank form	HA



Series no. **6850**

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
0.50	4.00	0.45	45.00	0.50	3.00	9.60	17.00	0.10	8.80	2	0.5010
1.00	4.00	0.92	45.00	1.00	4.00	9.70	17.00	0.10	10.40	2	1.0010
1.00	4.00	0.92	45.00	1.00	4.00	9.70	17.00	0.20	8.90	2	1.0020
1.50	4.00	1.40	45.00	1.50	6.00	10.90	17.00	0.20	6.60	2	1.5020
2.00	6.00	1.85	54.00	2.00	8.00	13.70	18.00	0.10	8.30	2	2.0010
2.00	6.00	1.85	54.00	2.00	8.00	13.70	18.00	0.20	8.40	2	2.0020
2.00	6.00	1.85	54.00	2.00	8.00	13.70	18.00	0.50	8.60	2	2.0050
3.00	6.00	2.85	54.00	3.00	12.00	16.30	18.00	0.10	5.30	2	3.0010
3.00	6.00	2.85	54.00	3.00	12.00	16.30	18.00	0.30	5.30	2	3.0030
3.00	6.00	2.85	54.00	3.00	12.00	16.30	18.00	0.50	5.40	2	3.0050
4.00	6.00	3.80	57.00	4.00	14.00	17.00	21.00	0.20	3.40	2	4.0020
4.00	6.00	3.80	57.00	4.00	14.00	17.00	21.00	0.30	3.40	2	4.0030
4.00	6.00	3.80	57.00	4.00	14.00	17.00	21.00	0.50	3.40	2	4.0050
5.00	6.00	4.80	57.00	5.00	17.00	18.60	21.00	0.20	1.50	2	5.0020
5.00	6.00	4.80	57.00	5.00	17.00	18.60	21.00	0.50	1.50	2	5.0050
5.00	6.00	4.80	57.00	5.00	17.00	18.60	21.00	1.00	1.60	2	5.0100
6.00	6.00	5.70	57.00	6.00	20.00	20.60	21.00	0.20	N/A	2	6.0020
6.00	6.00	5.70	57.00	6.00	20.00	20.60	21.00	0.30	N/A	2	6.0030
6.00	6.00	5.70	57.00	6.00	20.00	20.60	21.00	0.50	N/A	2	6.0050
6.00	6.00	5.70	57.00	6.00	20.00	20.60	21.00	1.00	N/A	2	6.0100
6.00	6.00	5.70	57.00	6.00	20.00	20.60	21.00	1.50	N/A	2	6.0150
6.00	6.00	5.70	57.00	6.00	20.00	20.60	21.00	2.00	N/A	2	6.0200
8.00	8.00	7.70	63.00	8.00	26.00	26.60	27.00	0.30	N/A	2	8.0030
8.00	8.00	7.70	63.00	8.00	26.00	26.60	27.00	0.50	N/A	2	8.0050
8.00	8.00	7.70	63.00	8.00	26.00	26.60	27.00	1.00	N/A	2	8.0100
8.00	8.00	7.70	63.00	8.00	26.00	26.60	27.00	1.50	N/A	2	8.0150
8.00	8.00	7.70	63.00	8.00	26.00	26.60	27.00	2.00	N/A	2	8.0200
10.00	10.00	9.50	72.00	10.00	31.00	31.90	32.00	0.30	N/A	2	10.0030
10.00	10.00	9.50	72.00	10.00	31.00	31.90	32.00	0.50	N/A	2	10.0050
10.00	10.00	9.50	72.00	10.00	31.00	31.90	32.00	1.00	N/A	2	10.0100
10.00	10.00	9.50	72.00	10.00	31.00	31.90	32.00	1.50	N/A	2	10.0150

EDP Number	
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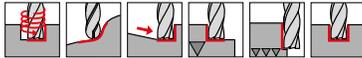
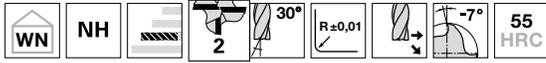
Series no.

6850

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	°										
10.00	10.00	9.50	72.00	10.00	31.00	31.90	32.00	2.00	N/A	2	10.0200	9068500100200
10.00	10.00	9.50	72.00	10.00	31.00	31.90	32.00	3.00	N/A	2	10.0300	9068500100300
12.00	12.00	11.50	83.00	12.00	37.00	37.90	38.00	0.50	N/A	2	12.0050	9068500120050
12.00	12.00	11.50	83.00	12.00	37.00	37.90	38.00	1.00	N/A	2	12.0100	9068500120100
12.00	12.00	11.50	83.00	12.00	37.00	37.90	38.00	2.00	N/A	2	12.0200	9068500120200
12.00	12.00	11.50	83.00	12.00	37.00	37.90	38.00	3.00	N/A	2	12.0300	9068500120300
12.00	12.00	11.50	83.00	12.00	37.00	37.90	38.00	4.00	N/A	2	12.0400	9068500120400



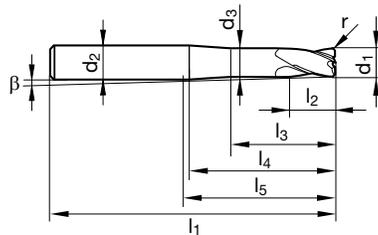
Torus end mills G-Mold 55 T



P	○
M	○
K	●
N	○
S	○
H	●

- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	NH
Shank form	HA



Series no. **6851**

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
0.50	4.00	0.45	50.00	0.50	3.60	10.20	22.00	0.10	7.00	2	0.5010
1.00	4.00	0.92	50.00	1.00	6.50	12.20	22.00	0.10	9.80	2	1.0010
1.00	4.00	0.92	50.00	1.00	6.50	12.20	22.00	0.20	7.10	2	1.0020
1.50	4.00	1.40	50.00	1.50	10.00	14.90	22.00	0.20	4.80	2	1.5020
2.00	6.00	1.85	57.00	2.00	13.00	18.70	21.00	0.10	6.10	2	2.0010
2.00	6.00	1.85	57.00	2.00	13.00	18.70	21.00	0.20	6.10	2	2.0020
2.00	6.00	1.85	57.00	2.00	13.00	18.70	21.00	0.50	6.20	2	2.0050
3.00	6.00	2.85	65.00	3.00	20.00	24.30	29.00	0.10	3.50	2	3.0010
3.00	6.00	2.85	65.00	3.00	20.00	24.30	29.00	0.30	3.50	2	3.0030
3.00	6.00	2.85	65.00	3.00	20.00	24.30	29.00	0.50	3.60	2	3.0050
4.00	6.00	3.80	75.00	4.00	25.00	28.00	39.00	0.20	2.00	2	4.0020
4.00	6.00	3.80	75.00	4.00	25.00	28.00	39.00	0.30	2.00	2	4.0030
4.00	6.00	3.80	75.00	4.00	25.00	28.00	39.00	0.50	2.00	2	4.0050
5.00	6.00	4.80	75.00	5.00	31.00	32.60	39.00	0.20	0.80	2	5.0020
5.00	6.00	4.80	75.00	5.00	31.00	32.60	39.00	0.50	0.90	2	5.0050
5.00	6.00	4.80	75.00	5.00	31.00	32.60	39.00	1.00	0.90	2	5.0100
6.00	6.00	5.70	75.00	6.00	38.00	38.60	39.00	0.20	N/A	2	6.0020
6.00	6.00	5.70	75.00	6.00	38.00	38.60	39.00	0.30	N/A	2	6.0030
6.00	6.00	5.70	75.00	6.00	38.00	38.60	39.00	0.50	N/A	2	6.0050
6.00	6.00	5.70	75.00	6.00	38.00	38.60	39.00	1.00	N/A	2	6.0100
6.00	6.00	5.70	75.00	6.00	38.00	38.60	39.00	1.50	N/A	2	6.0150
6.00	6.00	5.70	75.00	6.00	38.00	38.60	39.00	2.00	N/A	2	6.0200
8.00	8.00	7.70	90.00	8.00	53.00	53.60	54.00	0.30	N/A	2	8.0030
8.00	8.00	7.70	90.00	8.00	53.00	53.60	54.00	0.50	N/A	2	8.0050
8.00	8.00	7.70	90.00	8.00	53.00	53.60	54.00	1.00	N/A	2	8.0100
8.00	8.00	7.70	90.00	8.00	53.00	53.60	54.00	1.50	N/A	2	8.0150
8.00	8.00	7.70	90.00	8.00	53.00	53.60	54.00	2.00	N/A	2	8.0200
10.00	10.00	9.50	100.00	10.00	59.00	59.90	60.00	0.30	N/A	2	10.0030
10.00	10.00	9.50	100.00	10.00	59.00	59.90	60.00	0.50	N/A	2	10.0050
10.00	10.00	9.50	100.00	10.00	59.00	59.90	60.00	1.00	N/A	2	10.0100
10.00	10.00	9.50	100.00	10.00	59.00	59.90	60.00	1.50	N/A	2	10.0150

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Series no.

6851

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
10.00	10.00	9.50	100.00	10.00	59.00	59.90	60.00	2.00	N/A	2	10.0200
10.00	10.00	9.50	100.00	10.00	59.00	59.90	60.00	3.00	N/A	2	10.0300
12.00	12.00	11.50	120.00	12.00	74.00	74.90	75.00	0.50	N/A	2	12.0050
12.00	12.00	11.50	120.00	12.00	74.00	74.90	75.00	1.00	N/A	2	12.0100
12.00	12.00	11.50	120.00	12.00	74.00	74.90	75.00	2.00	N/A	2	12.0200
12.00	12.00	11.50	120.00	12.00	74.00	74.90	75.00	3.00	N/A	2	12.0300
12.00	12.00	11.50	120.00	12.00	74.00	74.90	75.00	4.00	N/A	2	12.0400

EDP Number

9068510100200

9068510100300

9068510120050

9068510120100

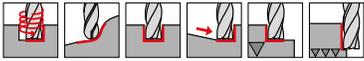
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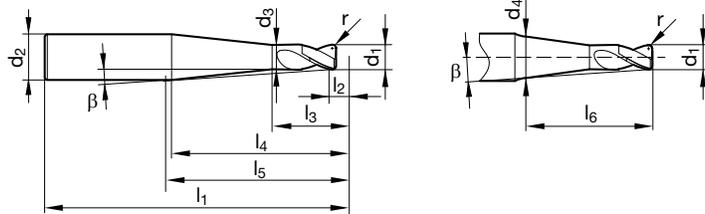
Torus end mills G-Mold 55 T



P	•
M	•
K	•
N	○
S	•
H	•

- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	NH
Shank form	HA



Series no.

6852

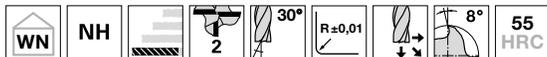
d1 f8	d2 h5	d3	d4	l1	l2	l3	l4	l5	l6	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
1.00	4.00	0.92	1.99	50	1.0	2.5	23.7	22.0	20.0	0.20	1.50	2	1.002
2.00	6.00	1.85	4.04	80	2.0	5.0	43.6	44.0	40.0	0.20	1.50	2	2.002
2.00	6.00	1.85	4.04	80	2.0	5.0	43.6	44.0	40.0	0.50	1.50	2	2.005
3.00	6.00	2.85	5.04	80	3.0	7.5	41.8	44.0	40.0	0.20	1.50	2	3.002
3.00	6.00	2.85	5.04	80	3.0	7.5	41.8	44.0	40.0	0.50	1.50	2	3.005
4.00	6.00	3.80	N/A	80	4.0	10.0	40.1	44.0	N/A	0.20	1.50	2	4.002
4.00	6.00	3.80	N/A	80	4.0	10.0	40.1	44.0	N/A	0.50	1.50	2	4.005
6.00	8.00	5.70	N/A	90	6.0	15.0	40.1	54.0	N/A	0.20	1.50	2	6.002
6.00	8.00	5.70	N/A	90	6.0	15.0	40.1	54.0	N/A	0.50	1.50	2	6.005
6.00	8.00	5.70	N/A	90	6.0	15.0	40.1	54.0	N/A	1.00	1.50	2	6.010
8.00	10.00	7.70	N/A	100	8.0	20.0	40.1	60.0	N/A	0.30	1.50	2	8.003
8.00	10.00	7.70	N/A	100	8.0	20.0	40.1	60.0	N/A	0.50	1.50	2	8.005
8.00	10.00	7.70	N/A	100	8.0	20.0	40.1	60.0	N/A	1.00	1.50	2	8.010
10.00	12.00	9.50	N/A	120	10.0	25.0	40.1	75.0	N/A	0.50	1.50	2	10.005
10.00	12.00	9.50	N/A	120	10.0	25.0	40.1	75.0	N/A	1.00	1.50	2	10.010
10.00	12.00	9.50	N/A	120	10.0	25.0	40.1	75.0	N/A	1.50	1.50	2	10.015
10.00	12.00	9.50	N/A	120	10.0	25.0	40.1	75.0	N/A	2.00	1.50	2	10.020

EDP Number

- 9068520010020
- 9068520020020
- 9068520020050
- 9068520030020
- 9068520030050
- 9068520040020
- 9068520040050
- 9068520060020
- 9068520060050
- 9068520060100
- 9068520080030
- 9068520080050
- 9068520080100
- 9068520100050
- 9068520100100
- 9068520100150
- 9068520100200



Torus end mills G-Mold 55 T



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M	•
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S	•
H	•

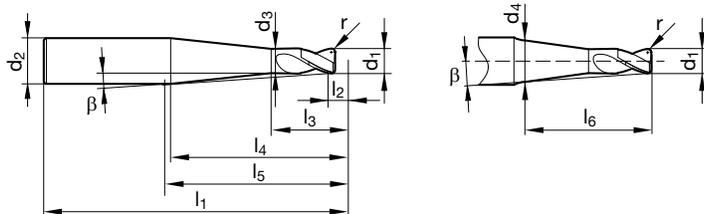
- neck clearance
- center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material **Solid carbide**

Coating

Type NH

Shank form HA



Series no.

6853

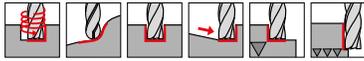
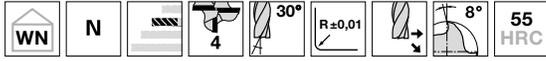
d1 f8	d2 h5	d3	d4	l1	l2	l3	l4	l5	l6	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
1.00	4.00	0.92	1.65	63	1.0	2.5	24.4	35.0	20.0	0.20	1.00	2	1.002
2.00	6.00	1.85	3.35	80	2.0	5.0	44.9	44.0	40.0	0.20	1.00	2	2.002
2.00	6.00	1.85	3.35	80	2.0	5.0	44.9	44.0	40.0	0.50	1.00	2	2.005
3.00	6.00	2.85	4.35	80	3.0	7.5	43.1	44.0	40.0	0.20	1.00	2	3.002
3.00	6.00	2.85	4.35	80	3.0	7.5	43.1	44.0	40.0	0.50	1.00	2	3.005
4.00	6.00	3.80	5.35	80	4.0	10.0	41.2	44.0	40.0	0.20	1.00	2	4.002
4.00	6.00	3.80	5.35	80	4.0	10.0	41.2	44.0	40.0	0.50	1.00	2	4.005
6.00	8.00	5.70	7.70	100	6.0	15.0	50.6	64.0	50.0	0.20	1.00	2	6.002
6.00	8.00	5.70	7.70	100	6.0	15.0	50.6	64.0	50.0	0.50	1.00	2	6.005
8.00	10.00	7.70	N/A	100	8.0	20.0	60.2	60.0	N/A	0.50	1.00	2	8.005
8.00	10.00	7.70	N/A	100	8.0	20.0	60.2	60.0	N/A	1.00	1.00	2	8.010

EDP Number

- 9068530010020
- 9068530020020
- 9068530020050
- 9068530030020
- 9068530030050
- 9068530040020
- 9068530040050
- 9068530060020
- 9068530060050
- 9068530080050
- 9068530080100



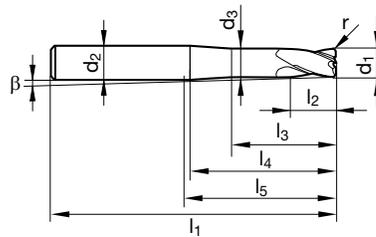
Torus end mills G-Mold 55 T



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H	•

- neck clearance
- center cutting
- Perro coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	N
Shank form	HA



Series no.											6854	
d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
1.00	4.00	0.92	45	1.0	4.0	9.7	17.0	0.10	8.80	4	1.001	9068540010010
1.00	4.00	0.92	45	1.0	4.0	9.7	17.0	0.20	8.90	4	1.002	9068540010020
1.50	4.00	1.40	45	1.5	6.0	10.9	17.0	0.20	6.60	4	1.502	9068540015020
2.00	6.00	1.85	54	2.0	8.0	13.7	18.0	0.10	8.30	4	2.001	9068540020010
2.00	6.00	1.85	54	2.0	8.0	13.7	18.0	0.20	8.40	4	2.002	9068540020020
2.00	6.00	1.85	54	2.0	8.0	13.7	18.0	0.50	8.60	4	2.005	9068540020050
3.00	6.00	2.85	54	3.0	12.0	16.3	18.0	0.10	5.30	4	3.001	9068540030010
3.00	6.00	2.85	54	3.0	12.0	16.3	18.0	0.30	5.30	4	3.003	9068540030030
3.00	6.00	2.85	54	3.0	12.0	16.3	18.0	0.50	5.40	4	3.005	9068540030050
4.00	6.00	3.80	57	4.0	14.0	17.0	21.0	0.20	3.40	4	4.002	9068540040020
4.00	6.00	3.80	57	4.0	14.0	17.0	21.0	0.30	3.40	4	4.003	9068540040030
4.00	6.00	3.80	57	4.0	14.0	17.0	21.0	0.50	3.40	4	4.005	9068540040050
5.00	6.00	4.80	57	5.0	17.0	18.6	21.0	0.20	1.50	4	5.002	9068540050020
5.00	6.00	4.80	57	5.0	17.0	18.6	21.0	0.50	1.50	4	5.005	9068540050050
5.00	6.00	4.80	57	5.0	17.0	18.6	21.0	1.00	1.60	4	5.010	9068540050100
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	0.20	N/A	4	6.002	9068540060020
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	0.30	N/A	4	6.003	9068540060030
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	0.50	N/A	4	6.005	9068540060050
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	1.00	N/A	4	6.010	9068540060100
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	1.50	N/A	4	6.015	9068540060150
6.00	6.00	5.70	57	6.0	20.0	20.6	21.0	2.00	N/A	4	6.020	9068540060200
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	0.30	N/A	4	8.003	9068540080030
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	0.50	N/A	4	8.005	9068540080050
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	1.00	N/A	4	8.010	9068540080100
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	1.50	N/A	4	8.015	9068540080150
8.00	8.00	7.70	63	8.0	26.0	26.6	27.0	2.00	N/A	4	8.020	9068540080200
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	0.30	N/A	4	10.003	9068540100030
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	0.50	N/A	4	10.005	9068540100050
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	1.00	N/A	4	10.010	9068540100100
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	1.50	N/A	4	10.015	9068540100150
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	2.00	N/A	4	10.020	9068540100200



Series no.

6854

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
10.00	10.00	9.50	72	10.0	31.0	31.9	32.0	3.00	N/A	4	10.030
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	0.50	N/A	4	12.005
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	1.00	N/A	4	12.010
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	2.00	N/A	4	12.020
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	3.00	N/A	4	12.030
12.00	12.00	11.50	83	12.0	37.0	37.9	38.0	4.00	N/A	4	12.040

EDP Number

9068540100300

9068540120050

9068540120100

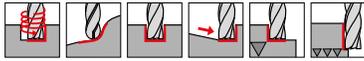
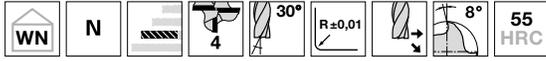
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9068540120300

9068540120400



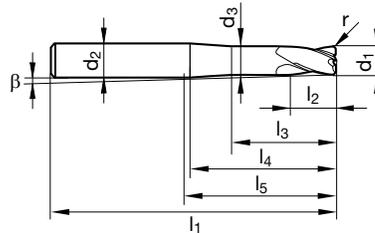
Torus end mills G-Mold 55 T



P	•
M	•
K	•
N	○
S	•
H	•

- neck clearance
- center cutting
- Perroco coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	N
Shank form	HA



Series no.

6855

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
1.00	4.00	0.92	50	1.0	6.5	12.2	20.0	0.10	7.00	4	1.001
1.00	4.00	0.92	50	1.0	6.5	12.2	20.0	0.20	7.10	4	1.002
1.50	4.00	1.40	50	1.5	10.0	14.9	20.0	0.20	4.80	4	1.502
2.00	6.00	1.85	57	2.0	13.0	18.7	17.0	0.10	6.10	4	2.001
2.00	6.00	1.85	57	2.0	13.0	18.7	17.0	0.20	6.10	4	2.002
2.00	6.00	1.85	57	2.0	13.0	18.7	17.0	0.50	6.20	4	2.005
3.00	6.00	2.85	65	3.0	20.0	24.3	25.0	0.10	3.50	4	3.001
3.00	6.00	2.85	65	3.0	20.0	24.3	25.0	0.30	3.50	4	3.003
3.00	6.00	2.85	65	3.0	20.0	24.3	25.0	0.50	3.60	4	3.005
4.00	6.00	3.80	75	4.0	25.0	28.0	35.0	0.20	2.00	4	4.002
4.00	6.00	3.80	75	4.0	25.0	28.0	35.0	0.30	2.00	4	4.003
4.00	6.00	3.80	75	4.0	25.0	28.0	35.0	0.50	2.00	4	4.005
5.00	6.00	4.80	75	5.0	31.0	32.6	35.0	0.20	0.80	4	5.002
5.00	6.00	4.80	75	5.0	31.0	32.6	35.0	0.50	0.90	4	5.005
5.00	6.00	4.80	75	5.0	31.0	32.6	35.0	1.00	0.90	4	5.010
6.00	6.00	5.70	75	6.0	38.0	38.6	35.0	0.20	N/A	4	6.002
6.00	6.00	5.70	75	6.0	38.0	38.6	35.0	0.30	N/A	4	6.003
6.00	6.00	5.70	75	6.0	38.0	38.6	35.0	0.50	N/A	4	6.005
6.00	6.00	5.70	75	6.0	38.0	38.6	35.0	1.00	N/A	4	6.010
6.00	6.00	5.70	75	6.0	38.0	38.6	35.0	1.50	N/A	4	6.015
6.00	6.00	5.70	75	6.0	38.0	38.6	35.0	2.00	N/A	4	6.020
8.00	8.00	7.70	90	8.0	53.0	53.6	50.0	0.30	N/A	4	8.003
8.00	8.00	7.70	90	8.0	53.0	53.6	50.0	0.50	N/A	4	8.005
8.00	8.00	7.70	90	8.0	53.0	53.6	50.0	1.00	N/A	4	8.010
8.00	8.00	7.70	90	8.0	53.0	53.6	50.0	1.50	N/A	4	8.015
8.00	8.00	7.70	90	8.0	53.0	53.6	50.0	2.00	N/A	4	8.020
10.00	10.00	9.50	100	10.0	59.0	59.9	55.0	0.30	N/A	4	10.003
10.00	10.00	9.50	100	10.0	59.0	59.9	55.0	0.50	N/A	4	10.005
10.00	10.00	9.50	100	10.0	59.0	59.9	55.0	1.00	N/A	4	10.010
10.00	10.00	9.50	100	10.0	59.0	59.9	55.0	1.50	N/A	4	10.015
10.00	10.00	9.50	100	10.0	59.0	59.9	55.0	2.00	N/A	4	10.020

EDP Number
9068550010010
9068550010020
9068550015020
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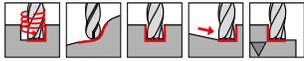
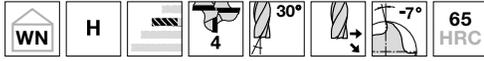
Series no.

6855

d1 f8	d2 h5	d3	l1	l2	l3	l4	l5	r	β	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm	mm	mm	°			
10.00	10.00	9.50	100	10.0	59.0	59.9	55.0	3.00	N/A	4	10.030	9068550100300
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	0.50	N/A	4	12.005	9068550120050
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	1.00	N/A	4	12.010	9068550120100
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	2.00	N/A	4	12.020	9068550120200
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	3.00	N/A	4	12.030	9068550120300
12.00	12.00	11.50	120	12.0	74.0	74.9	75.0	4.00	N/A	4	12.040	9068550120400



High feed end mills G-Mold 65 HF



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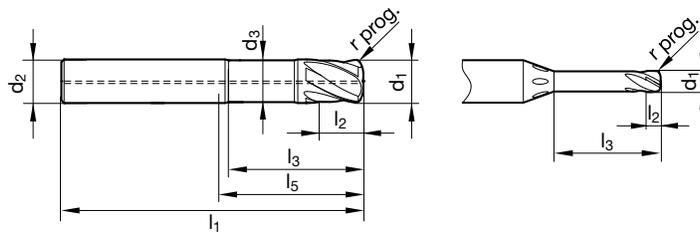
- for high-feed roughing with low ap and maximum fz
- with central internal cooling from Ø 4 mm
- with GühroJet peripheral cooling from Ø 1-3 mm
- neck clearance
- without center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material **Solid carbide**

Coating

Type H

Shank form HA



Series no.

6830

d1 h10	d2 h6	d3	l1	l2	l3	l5	r prog.	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm		
1.00	4.00	0.92	50	0.6	5.0	22.0	0.18	4	1.000
1.50	4.00	1.40	50	1.0	7.5	22.0	0.25	4	1.500
2.00	6.00	1.85	57	1.2	10.0	21.0	0.35	4	2.000
2.50	6.00	2.35	57	1.5	12.5	21.0	0.40	4	2.500
3.00	6.00	2.85	57	2.0	15.0	21.0	0.50	4	3.000
4.00	6.00	3.80	57	3.0	18.0	21.0	0.80	4	4.000
5.00	6.00	4.80	57	4.0	20.0	21.0	0.80	4	5.000
6.00	6.00	5.70	57	5.0	20.0	21.0	1.00	4	6.000
8.00	8.00	7.70	63	6.0	26.0	27.0	1.50	4	8.000
10.00	10.00	9.50	72	8.0	30.0	32.0	2.00	4	10.000
12.00	12.00	11.50	83	10.0	36.0	38.0	2.00	4	12.000
16.00	16.00	15.50	92	12.0	42.0	44.0	2.50	4	16.000

EDP Number

9068300010000

9068300015000

9068300020000

9068300025000

9068300030000

9068300040000

9068300050000

9068300060000

9068300080000

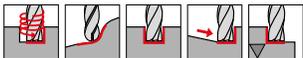
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9068300160000



High feed end mills G-Mold 65 HF



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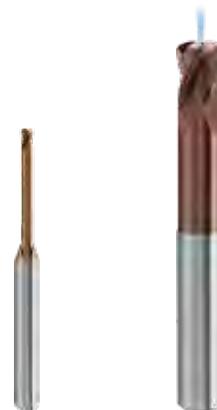
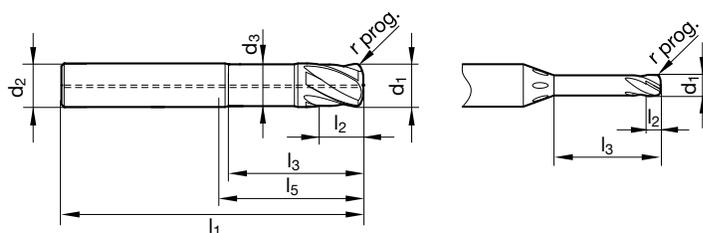
- for high-feed roughing with low ap and maximum fz
- with central internal cooling from Ø 4 mm
- with GühroJet peripheral cooling from Ø 1-3 mm
- neck clearance
- without center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material **Solid carbide**

Coating

Type H

Shank form ~HA



Series no.

6814

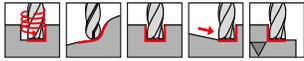
d1 h10	d2 h6	d3	l1	l2	l3	l5	r prog.	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm		
1.00	4.00	0.92	50	0.6	8.0	24.8	0.18	4	1.000
1.50	4.00	1.40	50	1.0	12.0	25.2	0.25	4	1.500
2.00	6.00	1.85	57	1.2	16.0	29.1	0.35	4	2.000
2.50	6.00	2.35	65	1.5	20.0	33.5	0.40	4	2.500
3.00	6.00	2.85	65	2.0	24.0	34.0	0.50	4	3.000
4.00	6.00	3.80	65	3.0	26.0	29.0	0.80	4	4.000
5.00	6.00	4.80	65	4.0	27.0	29.0	0.80	4	5.000
6.00	6.00	5.70	65	5.0	28.0	29.0	1.00	4	6.000
8.00	8.00	7.70	75	6.0	38.0	39.0	1.50	4	8.000
10.00	10.00	9.50	100	8.0	58.0	60.0	2.00	4	10.000
12.00	12.00	11.50	100	10.0	53.0	55.0	2.00	4	12.000
16.00	16.00	15.50	125	12.0	75.0	77.0	2.50	4	16.000

EDP Number

- 9068140010000
- 9068140015000
- 9068140020000
- 9068140025000
- 9068140030000
- 9068140040000
- 9068140050000
- 9068140060000
- 9068140080000
- 9068140100000
- 9068140120000
- 9068140160000



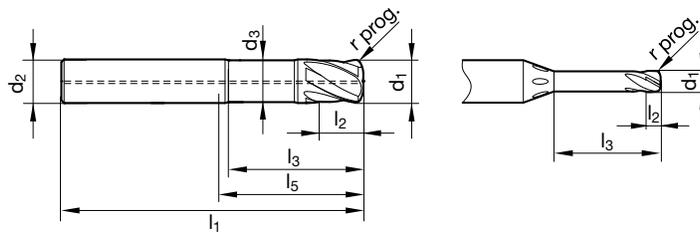
High feed end mills G-Mold 65 HF



P	•
M	•
K	•
N	•
S	•
H	•

- for high-feed roughing with low ap and maximum fz
- with central internal cooling from Ø 4 mm
- with GühroJet peripheral cooling from Ø 1-3 mm
- neck clearance
- without center cutting
- Perrox coating up to 3mm; Signum coating above 3mm

Tool material	Solid carbide
Coating	
Type	H
Shank form	HA



Series no.

6831

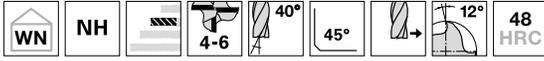
d1 h10	d2 h6	d3	l1	l2	l3	l5	r prog.	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm	mm		
1.00	4.00	0.92	50	0.6	10.0	22.0	0.18	4	1.000
1.50	4.00	1.40	50	1.0	15.0	22.0	0.25	4	1.500
2.00	6.00	1.85	65	1.2	20.0	29.0	0.35	4	2.000
2.50	6.00	2.35	65	1.5	25.0	29.0	0.40	4	2.500
3.00	6.00	2.85	80	2.0	30.0	44.0	0.50	4	3.000
4.00	6.00	3.80	80	3.0	32.0	44.0	0.80	4	4.000
5.00	6.00	4.80	80	4.0	40.0	44.0	0.80	4	5.000
6.00	6.00	5.70	80	5.0	43.0	44.0	1.00	4	6.000
8.00	8.00	7.70	100	6.0	63.0	64.0	1.50	4	8.000
10.00	10.00	9.50	120	8.0	78.0	80.0	2.00	4	10.000
12.00	12.00	11.50	120	10.0	73.0	75.0	2.00	4	12.000
16.00	16.00	15.50	150	12.0	100.0	102.0	2.50	4	16.000

EDP Number

- 9068310010000
- 9068310015000
- 9068310020000
- 9068310025000
- 9068310030000
- 9068310040000
- 9068310050000
- 9068310060000
- 9068310080000
- 9068310100000
- 9068310120000
- 9068310160000



Finishing end mills G-Mold μ 48 F



P	•
M	•
K	•
N	•
S	•
H	○

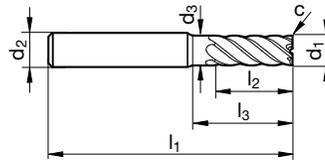
- restricted tolerances for maximum component accuracy
- max. taper 0.005 mm
- neck clearance
- \varnothing 3-8 mm with center cutting
- \varnothing 10-20 mm without center cutting

Tool material **Solid carbide**

Coating **X**

Type **NH**

Shank form **HA**



Series no.

6825

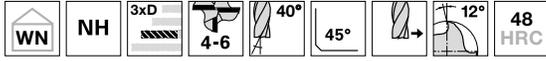
d1 f8	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm x 45°		
3.00	6.00	2.85	57	8.0	15.0	0.06	4	3.000
4.00	6.00	3.80	57	11.0	18.0	0.08	4	4.000
5.00	6.00	4.80	57	13.0	18.0	0.10	4	5.000
6.00	6.00	5.70	57	13.0	20.0	0.12	4	6.000
8.00	8.00	7.70	63	19.0	26.0	0.08	6	8.000
10.00	10.00	9.50	72	22.0	30.0	0.10	6	10.000
12.00	12.00	11.50	83	26.0	36.0	0.12	6	12.000
16.00	16.00	15.50	92	32.0	42.0	0.16	6	16.000
20.00	20.00	19.50	104	38.0	52.0	0.20	6	20.000

EDP Number

- 9068250030000**
- 9068250040000**
- 9068250050000**
- 9068250060000**
- 9068250080000**
- 9068250100000**
- 9068250120000**
- 9068250160000**
- 9068250200000**



Finishing end mills G-Mold μ 48 F



P	•
M	•
K	•
N	•
S	•
H	○

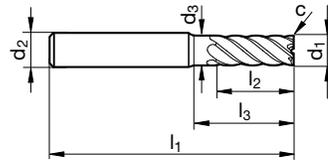
- restricted tolerances for maximum component accuracy
- max. taper 0.005 mm
- neck clearance
- \varnothing 3-8 mm with center cutting
- \varnothing 10-20 mm without center cutting

Tool material **Solid carbide**

Coating **X**

Type **NH**

Shank form **HA**



Series no.

6826

d1 f8	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm x 45°		
3.00	6.00	2.85	65	12.0	24.0	0.06	4	3.000
4.00	6.00	3.80	65	16.0	26.0	0.08	4	4.000
5.00	6.00	4.80	65	18.0	26.0	0.10	4	5.000
6.00	6.00	5.70	65	21.0	28.0	0.12	4	6.000
8.00	8.00	7.70	75	26.0	38.0	0.08	6	8.000
10.00	10.00	9.50	80	30.0	38.0	0.10	6	10.000
12.00	12.00	11.50	93	36.0	46.0	0.12	6	12.000
16.00	16.00	15.50	108	48.0	58.0	0.16	6	16.000
20.00	20.00	19.50	126	60.0	74.0	0.20	6	20.000

EDP Number

9068260030000

9068260040000

9068260050000

9068260060000

9068260080000

9068260100000

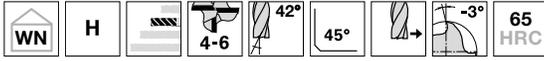
9068260120000

9068260160000

9068260200000



Finishing end mills G-Mold μ 65 F



P	○
M	
K	●
N	
S	
H	●

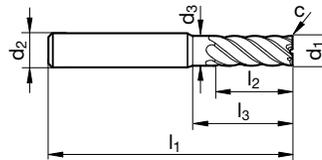
- restricted tolerances for maximum component accuracy
- max. taper 0.005 mm
- neck clearance
- \varnothing 3-8 mm with center cutting
- \varnothing 10-20 mm without center cutting

Tool material **Solid carbide**

Coating

Type H

Shank form HA



Series no.

6827

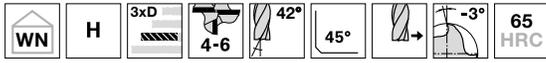
d1 f8	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm x 45°		
3.00	6.00	2.85	57	8.0	15.0	0.06	4	3.000
4.00	6.00	3.80	57	11.0	18.0	0.08	4	4.000
5.00	6.00	4.80	57	13.0	18.0	0.10	4	5.000
6.00	6.00	5.70	57	13.0	20.0	0.12	4	6.000
8.00	8.00	7.70	63	19.0	26.0	0.08	6	8.000
10.00	10.00	9.50	72	22.0	30.0	0.10	6	10.000
12.00	12.00	11.50	83	26.0	36.0	0.12	6	12.000
16.00	16.00	15.50	92	32.0	42.0	0.16	6	16.000
20.00	20.00	19.50	104	38.0	52.0	0.20	6	20.000

EDP Number

9068270030000
 9068270040000
 9068270050000
 9068270060000
 9068270080000
 9068270100000
 9068270120000
 9068270160000
 9068270200000



Finishing end mills G-Mold μ 65 F



P	○
M	
K	●
N	
S	
H	●

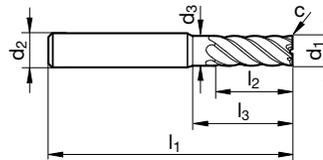
- restricted tolerances for maximum component accuracy
- max. taper 0.005 mm
- neck clearance
- \varnothing 3-8 mm with center cutting
- \varnothing 10-20 mm without center cutting

Tool material **Solid carbide**

Coating **X**

Type **H**

Shank form **HA**



Series no.

6828

d1 f8	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm x 45°		
3.00	6.00	2.85	65	12.0	24.0	0.06	4	3.000
4.00	6.00	3.80	65	16.0	26.0	0.08	4	4.000
5.00	6.00	4.80	65	18.0	26.0	0.10	4	5.000
6.00	6.00	5.70	65	21.0	28.0	0.12	4	6.000
8.00	8.00	7.70	75	26.0	38.0	0.08	6	8.000
10.00	10.00	9.50	80	30.0	38.0	0.10	6	10.000
12.00	12.00	11.50	93	36.0	46.0	0.12	6	12.000
16.00	16.00	15.50	108	48.0	58.0	0.16	6	16.000
20.00	20.00	19.50	126	60.0	74.0	0.20	6	20.000

EDP Number

9068280030000
9068280040000
9068280050000
9068280060000
9068280080000
9068280100000
9068280120000
9068280160000
9068280200000



Finishing end mills G-Mold 65 F



P	○
M	○
K	●
N	○
S	○
H	●

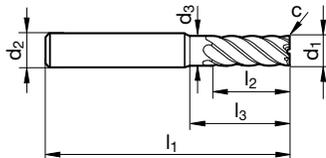
- without center cutting
- neck clearance

Tool material **Solid carbide**

Coating **Y**

Type **H**

Shank form **HA**



Series no.

6839

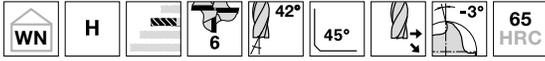
d1 f8	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.
inch	inch	inch	inch	inch	inch	inch x 45°		
1/4	1/4	0.238	2 1/2	3/4	1 1/32	0.002	6	6.350
5/16	5/16	0.301	2 1/2	7/8	1 1/32	0.003	6	7.940
3/8	3/8	0.363	2 1/2	7/8	1 1/32	0.004	6	9.520
1/2	1/2	0.480	3	1	1 11/64	0.005	6	12.700
5/8	5/8	0.605	3 1/2	1 1/4	1 1/2	0.006	6	15.870
3/4	3/4	0.730	4	1 1/2	1 7/8	0.007	6	19.050

EDP Number

- 9068390063500**
- 9068390079400**
- 9068390095200**
- 9068390127000**
- 9068390158700**
- 9068390190500**



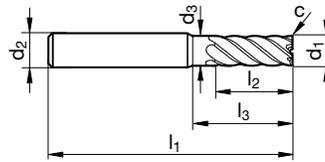
Finishing end mills G-Mold 65 F



P	○
M	
K	●
N	
S	
H	●

- without center cutting
- neck clearance

Tool material	Solid carbide
Coating	Y
Type	H
Shank form	HA



Series no.

6945

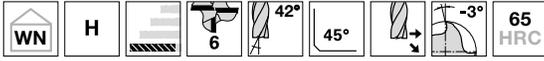
d1 f8	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm x 45°		
3.00	6.00	2.85	57	8.0	12.0	0.03	6	3.000
4.00	6.00	3.80	57	11.0	15.0	0.04	6	4.000
5.00	6.00	4.80	57	13.0	18.0	0.05	6	5.000
6.00	6.00	5.70	57	13.0	20.0	0.06	6	6.000
8.00	8.00	7.70	63	19.0	26.0	0.08	6	8.000
10.00	10.00	9.50	72	22.0	31.0	0.10	6	10.000
12.00	12.00	11.50	83	26.0	37.0	0.12	6	12.000
14.00	14.00	13.50	83	26.0	37.0	0.14	6	14.000
16.00	16.00	15.50	92	32.0	43.0	0.16	6	16.000
20.00	20.00	19.50	104	38.0	53.0	0.20	6	20.000

EDP Number

- 9069450030000
- 9069450040000
- 9069450050000
- 9069450060000
- 9069450080000
- 9069450100000
- 9069450120000
- 9069450140000
- 9069450160000
- 9069450200000



Finishing end mills G-Mold 65 F



P	○
M	
K	●
N	
S	
H	●

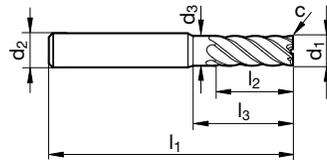
- without center cutting
- neck clearance

Tool material **Solid carbide**

Coating **Y**

Type **H**

Shank form **HA**



Series no.

6840

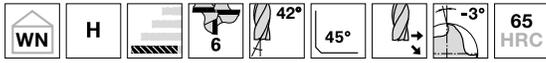
d1 f8	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.
inch	inch	inch	inch	inch	inch	inch x 45°		
1/4	1/4	0.238	3	3/4	1 9/16	0.002	6	6.350
5/16	5/16	0.301	3	7/8	1 9/16	0.003	6	7.940
3/8	3/8	0.363	4	7/8	2 1/2	0.004	6	9.520
1/2	1/2	0.480	4 1/2	1	2 11/16	0.005	6	12.700
5/8	5/8	0.605	5	1 1/4	3 1/16	0.006	6	15.870
3/4	3/4	0.730	5	1 1/2	2 15/16	0.007	6	19.050

EDP Number

- 9068400063500
- 9068400079400
- 9068400095200
- 9068400127000
- 9068400158700
- 9068400190500



Finishing end mills G-Mold 65 F



P	○
M	○
K	●
N	○
S	○
H	●

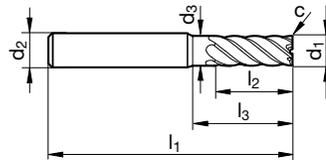
- without center cutting
- neck clearance

Tool material **Solid carbide**

Coating **Y**

Type **H**

Shank form **HA**



Series no.

6946

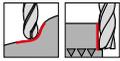
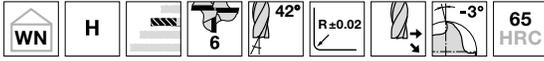
d1 f8	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm x 45°		
3.00	6.00	2.85	65	11.0	21.0	0.03	6	3.000
4.00	6.00	3.80	65	14.0	26.0	0.04	6	4.000
5.00	6.00	4.80	75	17.0	32.0	0.05	6	5.000
6.00	6.00	5.70	75	20.0	38.0	0.06	6	6.000
8.00	8.00	7.70	90	28.0	53.0	0.08	6	8.000
10.00	10.00	9.50	100	31.0	59.0	0.10	6	10.000
12.00	12.00	11.50	114	36.0	68.0	0.12	6	12.000
14.00	14.00	13.50	100	42.0	54.0	0.14	6	14.000
16.00	16.00	15.50	125	52.0	76.0	0.16	6	16.000
20.00	20.00	19.50	150	62.0	100.0	0.20	6	20.000

EDP Number

- 9069460030000**
- 9069460040000**
- 9069460050000**
- 9069460060000**
- 9069460080000**
- 9069460100000**
- 9069460120000**
- 9069460140000**
- 9069460160000**
- 9069460200000**



Finishing end mills with corner radius G-Mold 65 FR



P	○
M	
K	●
N	
S	
H	●

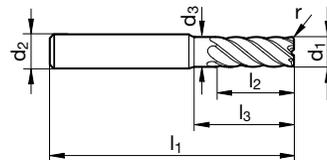
- without center cutting
- neck clearance

Tool material **Solid carbide**

Coating **Y**

Type **H**

Shank form **HA**



Series no.

6947

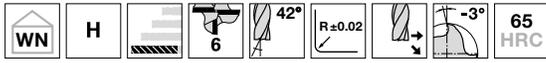
d1 f8	d2 h5	d3	l1	l2	l3	r	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm		
3.00	6.00	2.85	57	8.0	12.0	0.10	6	3.001
3.00	6.00	2.85	57	8.0	12.0	0.30	6	3.003
3.00	6.00	2.85	57	8.0	12.0	0.50	6	3.005
4.00	6.00	3.80	57	11.0	15.0	0.20	6	4.002
4.00	6.00	3.80	57	11.0	15.0	0.50	6	4.005
5.00	6.00	4.80	57	13.0	18.0	0.20	6	5.002
5.00	6.00	4.80	57	13.0	18.0	0.50	6	5.005
6.00	6.00	5.70	57	13.0	20.0	0.20	6	6.002
6.00	6.00	5.70	57	13.0	20.0	0.50	6	6.005
6.00	6.00	5.70	57	13.0	20.0	1.00	6	6.010
8.00	8.00	7.70	63	19.0	26.0	0.30	6	8.003
8.00	8.00	7.70	63	19.0	26.0	0.50	6	8.005
8.00	8.00	7.70	63	19.0	26.0	1.00	6	8.010
10.00	10.00	9.50	72	22.0	31.0	0.30	6	10.003
10.00	10.00	9.50	72	22.0	31.0	0.50	6	10.005
10.00	10.00	9.50	72	22.0	31.0	1.00	6	10.010
10.00	10.00	9.50	72	22.0	31.0	1.50	6	10.015
12.00	12.00	11.50	83	26.0	37.0	0.50	6	12.005
12.00	12.00	11.50	83	26.0	37.0	1.00	6	12.015
12.00	12.00	11.50	83	26.0	37.0	1.50	6	16.005
16.00	16.00	15.50	92	32.0	43.0	0.50	6	16.010
16.00	16.00	15.50	92	32.0	43.0	1.00	6	16.020
16.00	16.00	15.50	92	32.0	43.0	2.00	6	12.010

EDP Number

9069470030010
 9069470030030
 9069470030050
 9069470040020
 9069470040050
 9069470050020
 9069470050050
 9069470060020
 9069470060050
 9069470060100
 9069470080030
 9069470080050
 9069470080100
 9069470100030
 9069470100050
 9069470100100
 9069470100150
 9069470120050
 9069470120150
 9069470160050
 9069470160100
 9069470160200
 9069470120100



Finishing end mills with corner radius G-Mold 65 FR



P	○
M	○
K	●
N	○
S	○
H	●

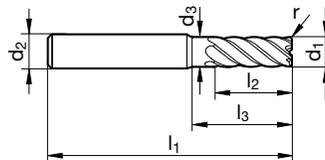
- without center cutting
- neck clearance

Tool material **Solid carbide**

Coating **Y**

Type **H**

Shank form **HA**



Series no.

6948

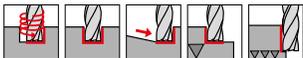
d1 f8	d2 h5	d3	l1	l2	l3	r	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm		
3.00	6.00	2.85	75	8.0	25.0	0.20	6	3.002
4.00	6.00	3.80	75	11.0	30.0	0.20	6	4.002
5.00	6.00	4.80	75	13.0	35.0	0.20	6	5.002
6.00	6.00	5.70	80	13.0	42.0	0.50	6	6.005
8.00	8.00	7.70	100	19.0	62.0	0.50	6	8.005
10.00	10.00	9.50	120	22.0	78.0	0.50	6	10.005
12.00	12.00	11.50	150	26.0	101.0	1.00	6	12.010
16.00	16.00	15.50	150	32.0	101.0	1.00	6	16.010

EDP Number

- 9069480030020**
- 9069480040020**
- 9069480050020**
- 9069480060050**
- 9069480080050**
- 9069480100050**
- 9069480120100**
- 9069480160100**



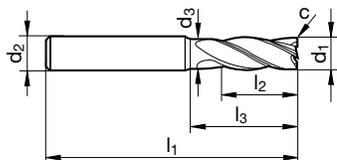
Ratio end mills G-Mold 65 U



P	○
M	
K	●
N	
S	
H	●

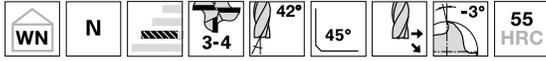
- slotting up to max. 65 HRC
- neck clearance
- center cutting

Tool material	Solid carbide	
Coating	Y	Y
Type	H	H
Shank form	HA	HB



									Series no.	
									6943	6944
d1 f9	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.	EDP Number	
mm	mm	mm	mm	mm	mm	mm x 45°				
3.00	6.00	2.85	57	8.0	12.0	0.06	4	3.000	9069430030000	9069440030000
4.00	6.00	3.80	57	11.0	15.0	0.08	4	4.000	9069430040000	9069440040000
5.00	6.00	4.80	57	13.0	18.0	0.10	4	5.000	9069430050000	9069440050000
6.00	6.00	5.70	57	13.0	20.0	0.12	4	6.000	9069430060000	9069440060000
8.00	8.00	7.70	63	19.0	26.0	0.16	4	8.000	9069430080000	9069440080000
10.00	10.00	9.50	72	22.0	31.0	0.20	4	10.000	9069430100000	9069440100000
12.00	12.00	11.50	83	26.0	37.0	0.24	4	12.000	9069430120000	9069440120000
16.00	16.00	15.50	92	32.0	43.0	0.32	4	16.000	9069430160000	9069440160000
20.00	20.00	19.50	104	38.0	53.0	0.40	4	20.000	9069430200000	9069440200000

G-Mold MicroMill μ 55 Micro-precision end mill



P	•
M	•
K	•
N	○
S	•
H	•

- without center cutting
- neck clearance

Tool material	Solid carbide
Coating	X
Type	N
Shank form	HA



Series no.

6829

d1 -0.008	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.
mm	mm	mm	mm	mm	mm	mm x 45°		
0.20	4.00	0.18	45.00	0.20	0.40	0.01	3	0.201
0.20	4.00	0.18	45.00	0.20	0.75	0.01	3	0.202
0.20	4.00	0.18	45.00	0.20	1.00	0.01	3	0.203
0.25	4.00	0.23	45.00	0.25	0.50	0.01	3	0.251
0.25	4.00	0.23	45.00	0.25	0.90	0.01	3	0.252
0.25	4.00	0.23	45.00	0.25	1.25	0.01	3	0.253
0.30	4.00	0.28	45.00	0.30	0.60	0.01	3	0.301
0.30	4.00	0.28	45.00	0.30	1.10	0.01	3	0.302
0.30	4.00	0.28	45.00	0.30	1.50	0.01	3	0.303
0.40	4.00	0.38	45.00	0.40	0.80	0.01	4	0.401
0.40	4.00	0.38	45.00	0.40	1.40	0.01	4	0.402
0.40	4.00	0.38	45.00	0.40	2.00	0.01	4	0.403
0.50	4.00	0.45	45.00	0.50	1.00	0.01	4	0.501
0.50	4.00	0.45	45.00	0.50	1.80	0.01	4	0.502
0.50	4.00	0.45	45.00	0.50	2.50	0.01	4	0.503
0.60	4.00	0.55	45.00	0.60	1.20	0.01	4	0.601
0.60	4.00	0.55	45.00	0.60	2.10	0.01	4	0.602
0.60	4.00	0.55	45.00	0.60	3.00	0.01	4	0.603
0.80	4.00	0.75	45.00	0.80	1.60	0.02	4	0.801
0.80	4.00	0.75	45.00	0.80	2.80	0.02	4	0.802
0.80	4.00	0.75	45.00	0.80	4.00	0.02	4	0.803
1.00	4.00	0.92	45.00	1.00	2.00	0.02	4	1.001
1.00	4.00	0.92	45.00	1.00	3.50	0.02	4	1.002
1.00	4.00	0.92	45.00	1.00	5.00	0.02	4	1.003
1.20	4.00	1.12	50.00	1.20	2.40	0.01	4	1.201
1.20	4.00	1.12	50.00	1.20	4.20	0.01	4	1.202
1.20	4.00	1.12	50.00	1.20	6.00	0.01	4	1.203
1.50	4.00	1.40	50.00	1.50	3.00	0.02	4	1.501
1.50	4.00	1.40	50.00	1.50	5.50	0.02	4	1.502
1.50	4.00	1.40	50.00	1.50	7.50	0.02	4	1.503
1.80	4.00	1.70	50.00	1.80	3.60	0.02	4	1.801
1.80	4.00	1.70	50.00	1.80	6.50	0.02	4	1.802

EDP Number

9068290002010
9068290002020
9068290002030
9068290002510
9068290002520
9068290002530
9068290003010
9068290003020
9068290003030
9068290004010
9068290004020
9068290004030
9068290005010
9068290005020
9068290005030
9068290006010
9068290006020
9068290006030
9068290008010
9068290008020
9068290008030
9068290010010
9068290010020
9068290010030
9068290012010
9068290012020
9068290012030
9068290015010
9068290015020
9068290015030
9068290018010
9068290018020



Series no.									6829
d1 -0.008	d2 h5	d3	l1	l2	l3	c	No. of flutes	Code no.	EDP Number
mm	mm	mm	mm	mm	mm	mm x 45°			
1.80	4.00	1.70	50.00	1.80	9.00	0.02	4	1.803	9068290018030
2.00	6.00	1.85	50.00	2.00	4.00	0.02	4	2.001	9068290020010
2.00	6.00	1.85	57.00	2.00	7.50	0.02	4	2.002	9068290020020
2.00	6.00	1.85	57.00	2.00	10.00	0.02	4	2.003	9068290020030
2.20	6.00	2.05	50.00	2.20	4.40	0.02	4	2.201	9068290022010
2.20	6.00	2.05	57.00	2.20	8.00	0.02	4	2.202	9068290022020
2.20	6.00	2.05	57.00	2.20	11.00	0.02	4	2.203	9068290022030
2.50	6.00	2.35	50.00	2.50	5.00	0.03	4	2.501	9068290025010
2.50	6.00	2.35	57.00	2.50	9.00	0.03	4	2.502	9068290025020
2.50	6.00	2.35	57.00	2.50	12.50	0.03	4	2.503	9068290025030
3.00	6.00	2.85	50.00	3.00	6.00	0.03	4	3.001	9068290030010
3.00	6.00	2.85	57.00	3.00	11.00	0.03	4	3.002	9068290030020
3.00	6.00	2.85	57.00	3.00	15.00	0.03	4	3.003	9068290030030

G-Mold 55 B, G-Mold 65 B

Material	Hardness	Type	Application	Max DOC	Max WOC	SFM	Feed Rate IPT (inch per tooth)									
							1mm	2mm	3mm	4mm	5mm	6mm	8mm	10mm	12mm	
Structural + free-cutting steels, unalloyed heat-treatable + case hardened steels A283, 1151, 1215, L10, 10Lxx, 11Lxx, 12Lxx, 41Lxx, 51Lxx, 86Lxx, 86Lxx, 10xx	Up to 25 HRC	G-Mold 55	Roughing	0.10xD	0.30xD	785	0.0006	0.0012	0.0018	0.0024	0.0030	0.0035	0.0047	0.0059	0.0071	
		G-Mold 55	Pre-Finishing	0.05xD	0.10xD	1115	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	1180	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
Free-cutting steels, unalloyed case hardened steels, nitriding steels 1151, 1215, L10, 10Lxx, 11Lxx, 12Lxx, 41Lxx, 51Lxx, 86Lxx, 86Lxx, 10xx, 11xx	25-38 HRC	G-Mold 55	Roughing	0.10xD	0.30xD	720	0.0006	0.0012	0.0018	0.0024	0.0030	0.0035	0.0047	0.0059	0.0071	
		G-Mold 55	Pre-Finishing	0.05xD	0.10xD	1015	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	1080	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
Alloyed heat-treatable, tool and high speed steels 13xx, 2340, 31xx, 32xx, 33xx, 34xx, 40xx, 41xx, 43xx, 4640, 50xx, 51xx, 61xx, 71xx, 86xx, 87xx, 92xx, 98xx, 98xx, Ax, Ox, Dx, Hxx, Lx, Wx, Mx, Tx	25-44 HRC	G-Mold 55	Roughing	0.10xD	0.30xD	655	0.0005	0.0009	0.0014	0.0019	0.0024	0.0028	0.0038	0.0047	0.0057	
		G-Mold 55	Pre-Finishing	0.05xD	0.10xD	920	0.0003	0.0007	0.0010	0.0013	0.0017	0.0020	0.0026	0.0033	0.0040	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	985	0.0003	0.0007	0.0010	0.0013	0.0017	0.0020	0.0026	0.0033	0.0040	
Hardened Steels Carbon and Alloy Steels, Tool & Die Steels	Up to 55 HRC	G-Mold 55	Roughing	0.06xD	0.20xD	460	0.0005	0.0010	0.0015	0.0020	0.0025	0.0030	0.0040	0.0050	0.0060	
		G-Mold 55	Pre-Finishing	0.02xD	0.05xD	720	0.0004	0.0007	0.0011	0.0014	0.0017	0.0021	0.0028	0.0035	0.0042	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	720	0.0004	0.0007	0.0011	0.0014	0.0017	0.0021	0.0028	0.0035	0.0042	
	55-65 HRC	G-Mold 65	Roughing	0.06xD	0.20xD	330	0.0004	0.0008	0.0012	0.0016	0.0020	0.0024	0.0031	0.0039	0.0047	
		G-Mold 65	Pre-Finishing	0.02xD	0.05xD	560	0.0003	0.0006	0.0008	0.0011	0.0014	0.0017	0.0022	0.0028	0.0033	
		G-Mold 65	Fine Finishing	0.01xD	0.02xD	560	0.0003	0.0005	0.0008	0.0010	0.0013	0.0015	0.0020	0.0026	0.0031	
Stainless steel 303, 410, 420F, 430, 430F, 416	Up to 20 HRC	G-Mold 55	Roughing	0.10xD	0.30xD	525	0.0005	0.0010	0.0015	0.0020	0.0026	0.0031	0.0041	0.0051	0.0061	
		G-Mold 55	Pre-Finishing	0.05xD	0.10xD	755	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	785	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
Stainless steel 304, 304L, 420, 17-4PH, 17-7PH, 15-5PH, 13-8PH	20-25 HRC	G-Mold 55	Roughing	0.06xD	0.20xD	360	0.0005	0.0009	0.0014	0.0019	0.0024	0.0028	0.0038	0.0047	0.0057	
		G-Mold 55	Pre-Finishing	0.02xD	0.05xD	525	0.0003	0.0007	0.0010	0.0013	0.0017	0.0020	0.0026	0.0033	0.0040	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	560	0.0003	0.0006	0.0009	0.0012	0.0015	0.0019	0.0024	0.0031	0.0037	
Stainless steel 310, 316, 316B, 316L, 317, Duplex	Over 25 HRC	G-Mold 55	Roughing	0.06xD	0.20xD	260	0.0004	0.0008	0.0012	0.0016	0.0020	0.0024	0.0031	0.0039	0.0047	
		G-Mold 55	Pre-Finishing	0.02xD	0.05xD	395	0.0003	0.0006	0.0008	0.0011	0.0014	0.0017	0.0022	0.0028	0.0033	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	425	0.0003	0.0005	0.0008	0.0010	0.0013	0.0015	0.0020	0.0026	0.0031	
High-Temperature Alloys Inconel, Nimonic, Monel, Hastelloy, Waspalloy, A286, Rene 41, Udimet, Stellite	Up to 40 HRC	G-Mold 55	Roughing	0.06xD	0.20xD	150	0.0005	0.0009	0.0014	0.0019	0.0024	0.0029	0.0038	0.0048	0.0057	
		G-Mold 55	Pre-Finishing	0.02xD	0.05xD	195	0.0003	0.0007	0.0010	0.0013	0.0017	0.0020	0.0027	0.0033	0.0040	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	260	0.0003	0.0006	0.0009	0.0012	0.0015	0.0019	0.0025	0.0031	0.0037	
Titanium Alloys 6Al-4V, 5Al-2.5 Sn, 6Al-2Sn-4Zr-6Mo, 3Al-8V-6Cr4Mo-4Zr, 10V-2Fe-3Al, 13V-11Cr-3Al	Up to 40 HRC	G-Mold 55	Roughing	0.06xD	0.20xD	295	0.0005	0.0010	0.0015	0.0020	0.0026	0.0031	0.0041	0.0051	0.0061	
		G-Mold 55	Pre-Finishing	0.02xD	0.05xD	425	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	460	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
Cast iron, grey cast iron, spheroidal graphite and malleable cast iron 0.6010 EN-GL100 (GG10), 0.6020 EN-GJL-200 (GG20), 0.7050 EN-GJS-500-7 (GGG50), 0.8535 EN-GJMW-350-4 (GTW35)	up to 240 HB	G-Mold 55	Roughing	0.10xD	0.30xD	720	0.0006	0.0012	0.0018	0.0024	0.0030	0.0035	0.0047	0.0059	0.0071	
		G-Mold 55	Pre-Finishing	0.05xD	0.10xD	1015	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	1080	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
Cast iron, grey cast iron, spheroidal graphite and malleable cast iron 0.6025 EN-GL250 (GG25), 0.6035 EN-GJL-350 (GG35), 0.7070 EN-GJS-700-2 (GGG70), 0.8170 EN-GJMB-700-2 (GTS70)	over 240 HB	G-Mold 55	Roughing	0.10xD	0.30xD	510	0.0005	0.0009	0.0014	0.0019	0.0023	0.0028	0.0037	0.0046	0.0055	
		G-Mold 55	Pre-Finishing	0.05xD	0.10xD	690	0.0003	0.0006	0.0010	0.0013	0.0016	0.0019	0.0026	0.0032	0.0039	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	785	0.0003	0.0006	0.0010	0.0013	0.0016	0.0019	0.0026	0.0032	0.0039	
Aluminum, Al-wrought alloys, Al-alloys 2024, 6061, 7075, 1050, 6351, 5005, 2017, 7075	≤ 7% Si	G-Mold 55	Roughing	0.10xD	0.30xD	1970	0.0006	0.0013	0.0019	0.0025	0.0031	0.0038	0.0050	0.0063	0.0076	
		G-Mold 55	Pre-Finishing	0.05xD	0.10xD	2625	0.0004	0.0009	0.0013	0.0018	0.0022	0.0026	0.0035	0.0044	0.0053	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	2950	0.0004	0.0009	0.0013	0.0018	0.0022	0.0026	0.0035	0.0044	0.0053	
Aluminium-cast alloys 3.2131 G-AISI5Cu1, 3.2153 G-AISI7Cu3, 3.2573 G-AISI9, 3.2581 G-AISI12, 3.2583 G-AISI12Cu, - G-AISI12CuNiMg	≥ 7% Si	G-Mold 55	Roughing	0.10xD	0.30xD	985	0.0006	0.0012	0.0018	0.0024	0.0030	0.0035	0.0047	0.0059	0.0071	
		G-Mold 55	Pre-Finishing	0.05xD	0.10xD	1310	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	1640	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
Magnesium-alloys MgMn2, G-MgAl8Zn1, G-MgAl6Zn3	-	G-Mold 55	Roughing	0.10xD	0.30xD	590	0.0005	0.0010	0.0015	0.0020	0.0026	0.0031	0.0041	0.0051	0.0061	
		G-Mold 55	Pre-Finishing	0.05xD	0.10xD	855	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	885	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
Non-ferrous metals (copper, short- or long-chipping brass or bronze)	Up to 25 HRC	G-Mold 55	Roughing	0.10xD	0.30xD	655	0.0006	0.0013	0.0019	0.0025	0.0031	0.0038	0.0050	0.0063	0.0076	
		G-Mold 55	Pre-Finishing	0.05xD	0.10xD	920	0.0004	0.0009	0.0013	0.0018	0.0022	0.0026	0.0035	0.0044	0.0053	
		G-Mold 55	Fine Finishing	0.01xD	0.02xD	985	0.0004	0.0009	0.0013	0.0018	0.0022	0.0026	0.0035	0.0044	0.0053	

G-Mold 55 T, G-Mold 65 T

Material	Hardness	Type	Application	Max DOC	Max WOC	SFM	Feed Rate IPT (inch per tooth)									
							1mm	2mm	3mm	4mm	5mm	6mm	8mm	10mm	12mm	
Structural + free-cutting steels, unalloyed heat-treatable + case hardened steels A283, 1151, 1215, L10, 10Lxx, 11Lxx, 12Lxx, 41Lxx, 51Lxx, 86Lxx, 86Lxx, 10xx	Up to 25 HRC	G-Mold 55	Roughing	0.05xD	0.40xD	510	0.0006	0.0012	0.0018	0.0024	0.0030	0.0035	0.0047	0.0059	0.0071	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	720	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	755	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
Free-cutting steels, unalloyed case hardened steels, nitriding steels 1151, 1215, L10, 10Lxx, 11Lxx, 12Lxx, 41Lxx, 51Lxx, 86Lxx, 86Lxx, 10xx, 11xx	25-38 HRC	G-Mold 55	Roughing	0.05xD	0.40xD	470	0.0006	0.0012	0.0018	0.0024	0.0030	0.0035	0.0047	0.0059	0.0071	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	690	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	690	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
Alloyed heat-treatable, tool and high speed steels 13xx, 2340, 31xx, 32xx, 33xx, 34xx, 40xx, 41xx, 43xx, 4640, 50xx, 51xx, 61xx, 71xx, 86xx, 87xx, 92xx, 98xx, 98xx, Ax, Ox, Dx, Hxx, Lx, Wx, Mx, Tx	25-44 HRC	G-Mold 55	Roughing	0.05xD	0.40xD	425	0.0005	0.0009	0.0014	0.0019	0.0024	0.0028	0.0038	0.0047	0.0057	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	625	0.0003	0.0007	0.0010	0.0013	0.0017	0.0020	0.0026	0.0033	0.0040	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	625	0.0003	0.0007	0.0010	0.0013	0.0017	0.0020	0.0026	0.0033	0.0040	
Hardened Steels Carbon and Alloy Steels, Tool & Die Steels	Up to 55 HRC	G-Mold 55	Roughing	0.04xD	0.30xD	295	0.0005	0.0010	0.0015	0.0020	0.0025	0.0030	0.0040	0.0050	0.0060	
		G-Mold 55	Pre-Finishing	0.03xD	0.20xD	460	0.0004	0.0007	0.0011	0.0014	0.0017	0.0021	0.0028	0.0035	0.0042	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	460	0.0004	0.0007	0.0011	0.0014	0.0017	0.0021	0.0028	0.0035	0.0042	
	55-65 HRC	G-Mold 65	Roughing	0.03xD	0.25xD	230	0.0004	0.0008	0.0012	0.0016	0.0020	0.0024	0.0031	0.0039	0.0047	
		G-Mold 65	Pre-Finishing	0.02xD	0.20xD	360	0.0003	0.0006	0.0008	0.0011	0.0014	0.0017	0.0022	0.0028	0.0033	
		G-Mold 65	Fine Finishing	0.01xD	0.10xD	395	0.0003	0.0005	0.0008	0.0010	0.0013	0.0015	0.0020	0.0026	0.0031	
Stainless steel 303, 410, 420F, 430, 430F, 416	Up to 20 HRC	G-Mold 55	Roughing	0.05xD	0.40xD	345	0.0005	0.0010	0.0015	0.0020	0.0026	0.0031	0.0041	0.0051	0.0061	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	490	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	490	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
Stainless steel 304, 304L, 420, 17-4PH, 17-7PH, 15-5PH, 13-8PH	20-25 HRC	G-Mold 55	Roughing	0.04xD	0.30xD	245	0.0005	0.0009	0.0014	0.0019	0.0024	0.0028	0.0038	0.0047	0.0057	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	360	0.0003	0.0007	0.0010	0.0013	0.0017	0.0020	0.0026	0.0033	0.0040	
		G-Mold 55	Fine Finishing	0.01xD	0.10xD	395	0.0003	0.0006	0.0009	0.0012	0.0015	0.0019	0.0024	0.0031	0.0037	
Stainless steel 310, 316, 316B, 316L, 317, Duplex	Over 25 HRC	G-Mold 55	Roughing	0.04xD	0.25xD	180	0.0004	0.0008	0.0012	0.0016	0.0020	0.0024	0.0031	0.0039	0.0047	
		G-Mold 55	Pre-Finishing	0.03xD	0.20xD	260	0.0003	0.0006	0.0008	0.0011	0.0014	0.0017	0.0022	0.0028	0.0033	
		G-Mold 55	Fine Finishing	0.01xD	0.10xD	295	0.0003	0.0005	0.0008	0.0010	0.0013	0.0015	0.0020	0.0026	0.0031	
High-Temperature Alloys Inconel, Nimonic, Monel, Hastelloy, Waspalloy, A286, Rene 41, Udimet, Stellite	Up to 40 HRC	G-Mold 55	Roughing	0.04xD	0.25xD	100	0.0005	0.0009	0.0014	0.0019	0.0024	0.0029	0.0038	0.0048	0.0057	
		G-Mold 55	Pre-Finishing	0.03xD	0.20xD	130	0.0003	0.0007	0.0010	0.0013	0.0017	0.0020	0.0027	0.0033	0.0040	
		G-Mold 55	Fine Finishing	0.01xD	0.10xD	165	0.0003	0.0006	0.0009	0.0012	0.0015	0.0019	0.0025	0.0031	0.0037	
Titanium Alloys 6Al-4V, 5Al-2.5 Sn, 6Al-2Sn-4Zr-6Mo, 3Al-8V-6Cr4Mo-4Zr, 10V-2Fe-3Al, 13V-11Cr-3Al	Up to 40 HRC	G-Mold 55	Roughing	0.05xD	0.30xD	195	0.0005	0.0010	0.0015	0.0020	0.0026	0.0031	0.0041	0.0051	0.0061	
		G-Mold 55	Pre-Finishing	0.03xD	0.20xD	295	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	295	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
Cast iron, grey cast iron, spheroidal graphite and malleable cast iron 0.6010 EN-GL100 (GG10), 0.6020 EN-GJL-200 (GG20), 0.7050 EN-GJS-500-7 (GGG50), 0.8535 EN-GJMW-350-4 (GTW35)	up to 240 HB	G-Mold 55	Roughing	0.05xD	0.40xD	460	0.0006	0.0012	0.0018	0.0024	0.0030	0.0035	0.0047	0.0059	0.0071	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	655	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	690	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
Cast iron, grey cast iron, spheroidal graphite and malleable cast iron 0.6025 EN-GL250 (GG25), 0.6035 EN-GJL-350 (GG35), 0.7070 EN-GJS-700-2 (GGG70), 0.8170 EN-GJMB-700-2 (GTS70)	over 240 HB	G-Mold 55	Roughing	0.05xD	0.40xD	330	0.0005	0.0009	0.0014	0.0019	0.0023	0.0028	0.0037	0.0046	0.0055	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	460	0.0003	0.0006	0.0010	0.0013	0.0016	0.0019	0.0026	0.0032	0.0039	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	490	0.0003	0.0006	0.0010	0.0013	0.0016	0.0019	0.0026	0.0032	0.0039	
Aluminum, Al-wrought alloys, Al-alloys 2024, 6061, 7075, 1050, 6351, 5005, 2017, 7075	≤ 7% Si	G-Mold 55	Roughing	0.05xD	0.40xD	1280	0.0006	0.0013	0.0019	0.0025	0.0031	0.0038	0.0050	0.0063	0.0076	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	1640	0.0004	0.0009	0.0013	0.0018	0.0022	0.0026	0.0035	0.0044	0.0053	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	1640	0.0004	0.0009	0.0013	0.0018	0.0022	0.0026	0.0035	0.0044	0.0053	
Aluminium-cast alloys 3.2131 G-AISI5Cu1, 3.2153 G-AISI7Cu3, 3.2573 G-AISI9, 3.2581 G-AISI12, 3.2583 G-AISI12Cu, - G-AISI12CuNiMg	≥ 7% Si	G-Mold 55	Roughing	0.05xD	0.40xD	510	0.0006	0.0012	0.0018	0.0024	0.0030	0.0035	0.0047	0.0059	0.0071	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	655	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	985	0.0004	0.0008	0.0013	0.0017	0.0021	0.0025	0.0033	0.0041	0.0050	
Magnesium-alloys MgMn2, G-MgAl8Zn1, G-MgAl6Zn3	-	G-Mold 55	Roughing	0.05xD	0.40xD	375	0.0005	0.0010	0.0015	0.0020	0.0026	0.0031	0.0041	0.0051	0.0061	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	560	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	560	0.0004	0.0007	0.0011	0.0014	0.0018	0.0022	0.0029	0.0036	0.0043	
Non-ferrous metals (copper, short- or long-chipping brass or bronze)	Up to 25 HRC	G-Mold 55	Roughing	0.05xD	0.40xD	425	0.0006	0.0013	0.0019	0.0025	0.0031	0.0038	0.0050	0.0063	0.0076	
		G-Mold 55	Pre-Finishing	0.03xD	0.25xD	625	0.0004	0.0009	0.0013	0.0018	0.0022	0.0026	0.0035	0.0044	0.0053	
		G-Mold 55	Fine Finishing	0.01xD	0.15xD	330	0.0004	0.0009	0.0013	0.0018	0.0022	0.0026	0.0035	0.0044	0.0053	

G-Mold 65 HF

Material	Hardness	Application	Max WOC	SFM	Feed Rate IPT (inch per tooth)								
					1mm	2mm	3mm	4mm	5mm	6mm	8mm	10mm	12mm
Structural + free-cutting steels, unalloyed heat-treatable + case hardened steels A283, 1151, 1215, L10, 10Lxx, 11Lxx, 12Lxx, 41Lxx, 51Lxx, 86Lxx, 86Lxx, 10xx	Up to 25 HRC	Slotting	1.00xD	655	0.0014	0.0028	0.0041	0.0055	0.0094	0.0126	0.0157	0.0189	0.0252
		Roughing	0.60xD	820	0.0017	0.0033	0.0050	0.0066	0.0113	0.0151	0.0189	0.0228	0.0303
		Pre-finishing	0.40xD	985	0.0013	0.0025	0.0037	0.0050	0.0085	0.0113	0.0142	0.0169	0.0228
Free-cutting steels, unalloyed case hardened steels, nitriding steels 1151, 1215, L10, 10Lxx, 11Lxx, 12Lxx, 41Lxx, 51Lxx, 86Lxx, 86Lxx, 10xx, 11xx	25-38 HRC	Slotting	1.00xD	560	0.0012	0.0024	0.0035	0.0047	0.0083	0.0110	0.0138	0.0165	0.0220
		Roughing	0.60xD	720	0.0014	0.0028	0.0043	0.0057	0.0099	0.0132	0.0165	0.0197	0.0264
		Pre-finishing	0.40xD	820	0.0011	0.0021	0.0032	0.0043	0.0074	0.0099	0.0126	0.0150	0.0197
Alloyed heat-treatable, tool and high speed steels 13xx, 2340, 31xx, 32xx, 33xx, 34xx, 40xx, 41xx, 43xx, 4640, 50xx, 51xx, 61xx, 71xx, 86xx, 87xx, 92xx, 98xx, 98xx, Ax, Ox, Dx, Hxx, Lx, Wx, Mx, Tx	25-44 HRC	Slotting	1.00xD	425	0.0010	0.0020	0.0030	0.0039	0.0071	0.0094	0.0118	0.0142	0.0189
		Roughing	0.60xD	560	0.0012	0.0024	0.0035	0.0047	0.0085	0.0113	0.0142	0.0169	0.0228
		Pre-finishing	0.40xD	625	0.0009	0.0018	0.0027	0.0035	0.0064	0.0085	0.0106	0.0126	0.0169
Hardened Steels Carbon and Alloy Steels, Tool & Die Steels	Up to 55 HRC	Slotting	1.00xD	330	0.0008	0.0016	0.0024	0.0031	0.0059	0.0079	0.0098	0.0118	0.0157
		Roughing	0.40xD	395	0.0009	0.0019	0.0028	0.0038	0.0071	0.0094	0.0118	0.0142	0.0189
		Pre-finishing	0.30xD	490	0.0007	0.0014	0.0021	0.0028	0.0053	0.0071	0.0091	0.0106	0.0142
	55-65 HRC	Slotting	1.00xD	195	0.0004	0.0008	0.0012	0.0016	0.0035	0.0047	0.0059	0.0071	0.0094
		Roughing	0.30xD	295	0.0005	0.0009	0.0014	0.0019	0.0043	0.0057	0.0071	0.0087	0.0114
		Pre-finishing	0.20xD	330	0.0004	0.0007	0.0011	0.0014	0.0032	0.0043	0.0055	0.0063	0.0087
Stainless steel 303, 410, 420F, 430, 430F, 416	Up to 20 HRC	Slotting	1xD	330	0.0012	0.0024	0.0035	0.0047	0.0083	0.0110	0.0138	0.0165	0.0220
		Roughing	0.40xD	425	0.0014	0.0028	0.0043	0.0057	0.0099	0.0132	0.0165	0.0197	0.0264
		Pre-finishing	0.30xD	490	0.0011	0.0021	0.0032	0.0043	0.0074	0.0099	0.0126	0.0150	0.0197
Stainless steel 304, 304L, 420, 17-4PH, 17-7PH, 15-5PH, 13-8PH	20-25 HRC	Slotting	1xD	260	0.0011	0.0021	0.0032	0.0043	0.0076	0.0101	0.0126	0.0150	0.0201
		Roughing	0.40xD	330	0.0013	0.0026	0.0038	0.0051	0.0091	0.0121	0.0150	0.0181	0.0240
		Pre-finishing	0.30xD	395	0.0009	0.0019	0.0029	0.0038	0.0068	0.0091	0.0114	0.0138	0.0181
Stainless steel 310, 316, 316B, 316L, 317, Duplex	Over 25 HRC	Slotting	1xD	195	0.0008	0.0016	0.0024	0.0031	0.0059	0.0079	0.0098	0.0118	0.0157
		Roughing	0.40xD	230	0.0009	0.0019	0.0028	0.0038	0.0071	0.0094	0.0118	0.0142	0.0189
		Pre-finishing	0.30xD	295	0.0007	0.0014	0.0021	0.0028	0.0053	0.0071	0.0091	0.0106	0.0142
High-Temperature Alloys Inconel, Nimonic, Monel, Hastelloy, Waspalloy, A286, Rene 41, Udimet, Stellite	Up to 40 HRC	Slotting	1.00xD	100	0.0004	0.0008	0.0012	0.0016	0.0035	0.0047	0.0059	0.0071	0.0094
		Roughing	0.30xD	115	0.0005	0.0009	0.0014	0.0019	0.0043	0.0057	0.0071	0.0087	0.0114
		Pre-finishing	0.20xD	130	0.0004	0.0007	0.0011	0.0014	0.0032	0.0043	0.0055	0.0063	0.0087
Titanium Alloys 6Al-4V, 5Al-2.5 Sn, 6Al-2Sn-4Zr-6Mo, 3Al-8V-6Cr4Mo-4Zr, 10V-2Fe-3Al, 13V-11Cr-3Al	Up to 40 HRC	Slotting	1.00xD	195	0.0008	0.0016	0.0024	0.0031	0.0059	0.0079	0.0098	0.0118	0.0157
		Roughing	0.40xD	260	0.0009	0.0019	0.0028	0.0038	0.0071	0.0094	0.0118	0.0142	0.0189
		Pre-finishing	0.30xD	295	0.0007	0.0014	0.0021	0.0028	0.0053	0.0071	0.0091	0.0106	0.0142
Cast iron, grey cast iron, spheroidal graphite and malleable cast iron 0.6010 EN-GL100 (GG10), 0.6020 EN-GJL-200 (GG20), 0.7050 EN-GJS-500-7 (GGG50), 0.8535 EN-GJMW-350-4 (GTW35)	up to 240 HB	Slotting	1.00xD	560	0.0012	0.0024	0.0035	0.0047	0.0083	0.0110	0.0138	0.0165	0.0220
		Roughing	0.60xD	720	0.0014	0.0028	0.0043	0.0057	0.0099	0.0132	0.0165	0.0197	0.0264
		Pre-finishing	0.40xD	820	0.0011	0.0021	0.0032	0.0043	0.0074	0.0099	0.0126	0.0150	0.0197
Cast iron, grey cast iron, spheroidal graphite and malleable cast iron 0.6025 EN-GL250 (GG25), 0.6035 EN-GJL-350 (GG35), 0.7070 EN-GJS-700-2 (GGG70), 0.8170 EN-GJMB-700-2 (GTS70)	over 240 HB	Slotting	1.00xD	460	0.0011	0.0021	0.0032	0.0043	0.0076	0.0101	0.0126	0.0150	0.0201
		Roughing	0.60xD	590	0.0013	0.0026	0.0038	0.0051	0.0091	0.0121	0.0150	0.0181	0.0240
		Pre-finishing	0.40xD	690	0.0009	0.0019	0.0029	0.0038	0.0068	0.0091	0.0114	0.0138	0.0181

Material	Hardness	Max DOC (ap) inch per nominal diameter								
		1mm	2mm	3mm	4mm	6mm	8mm	10mm	12mm	16mm
P	up to 25 HRC	0.002	0.005	0.007	0.009	0.014	0.019	0.024	0.028	0.038
	more than 25 HRC	0.002	0.004	0.006	0.008	0.012	0.016	0.020	0.024	0.031
K	up to 240 HB	0.002	0.005	0.007	0.009	0.014	0.019	0.024	0.028	0.038
	more than 240 HB	0.002	0.004	0.006	0.008	0.012	0.016	0.020	0.024	0.031
H	up to 55 HRC	0.002	0.003	0.005	0.006	0.009	0.013	0.016	0.019	0.025
	55-65 HRC	0.001	0.003	0.004	0.005	0.007	0.009	0.012	0.014	0.019
M	up to 20 HRC	0.002	0.003	0.005	0.006	0.009	0.013	0.016	0.019	0.025
	more than 20 HRC	0.001	0.003	0.004	0.005	0.007	0.009	0.012	0.014	0.019
S	Ti alloys	0.001	0.003	0.004	0.005	0.007	0.009	0.012	0.014	0.019

G-Mold 65 U

Material	Hardness	Type	Application	Max WOC	SFM	Feed Rate IPT (inch per tooth)									
						1mm	2mm	3mm	4mm	5mm	6mm	8mm	10mm	12mm	
Hardened Steels Carbon and Alloy Steels, Tool & Die Steels	Up to 55 HRC	G-Mold 65 U	Slotting	1xD	170	0.0004	0.0005	0.0007	0.0010	0.0014	0.0017	0.0024	0.0028	0.0035	
		G-Mold 65 U	Roughing	0.33xD	330	0.0006	0.0007	0.0011	0.0014	0.0020	0.0024	0.0031	0.0039	0.0051	
		G-Mold 65 U	Finishing	0.01xD	460	0.0004	0.0006	0.0008	0.0011	0.0016	0.0019	0.0024	0.0031	0.0039	
	55-65 HRC	G-Mold 65 U	—	—	—	—	—	—	—	—	—	—	—	—	
		G-Mold 65 U	Roughing	0.03xD	260	0.0008	0.0011	0.0017	0.0022	0.0030	0.0035	0.0047	0.0059	0.0075	
		G-Mold 65 U	Finishing	0.005xD	330	0.0003	0.0004	0.0006	0.0008	0.0011	0.0013	0.0016	0.0020	0.0028	

G-Mold 48 F, G-Mold 65 F

Material	Hardness	Type	Application	Max WOC	SFM	Feed Rate IPT (inch per tooth)								
						3mm	4mm	6mm	8mm	10mm	12mm	16mm	20mm	25mm
Structural + free-cutting steels, unalloyed heat-treatable + case hardened steels A283, 1151, 1215, L10, 10Lxx, 11Lxx, 12Lxx, 41Lxx, 51Lxx, 86Lxx, 86Lxx, 10xx	Up to 25 HRC		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	785	0.0005	0.0007	0.0010	0.0014	0.0020	0.0023	0.0031	0.0039	0.0047
Free-cutting steels, unalloyed case hardened steels, nitriding steels 1151, 1215, L10, 10Lxx, 11Lxx, 12Lxx, 41Lxx, 51Lxx, 86Lxx, 86Lxx, 10xx, 11xx	25-38 HRC		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	690	0.0005	0.0007	0.0010	0.0014	0.0020	0.0023	0.0031	0.0039	0.0047
Alloyed heat-treatable, tool and high speed steels 13xx, 2340, 31xx, 32xx, 33xx, 34xx, 40xx, 41xx, 43xx, 4640, 50xx, 51xx, 61xx, 71xx, 86xx, 87xx, 92xx, 98xx, 98xx, Ax, Ox, Dx, Hxx, Lx, Wx, Mx, Tx	25-44 HRC		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	590	0.0005	0.0007	0.0010	0.0013	0.0018	0.0022	0.0028	0.0035	0.0047
Hardened Steels Carbon and Alloy Steels, Tool & Die Steels	Up to 55 HRC		Slotting											
		G-Mold 65 F	Roughing	0.03xD	330	0.0009	0.0013	0.0019	0.0025	0.0035	0.0041	0.0055	0.0071	0.0087
		G-Mold 65 F	Finishing	0.01xD	360	0.0004	0.0005	0.0007	0.0010	0.0014	0.0017	0.0024	0.0028	0.0035
	55-65 HRC		Slotting											
		G-Mold 65 F	Roughing	0.01xD	230	0.0007	0.0010	0.0015	0.0020	0.0028	0.0033	0.0043	0.0055	0.0071
		G-Mold 65 F	Finishing	0.005xD	260	0.0003	0.0004	0.0006	0.0007	0.0010	0.0012	0.0016	0.0020	0.0024
Stainless steel 303, 410, 420F, 430, 430F, 416	Up to 20 HRC		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	525	0.0005	0.0007	0.0010	0.0013	0.0018	0.0022	0.0028	0.0035	0.0047
Stainless steel 304, 304L, 420, 17-4PH, 17-7PH, 15-5PH, 13-8PH	20-25 HRC		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	360	0.0005	0.0006	0.0009	0.0012	0.0017	0.0020	0.0028	0.0031	0.0039
Stainless steel 310, 316, 316B, 316L, 317, Duplex	Over 25 HRC		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.01xD	260	0.0004	0.0005	0.0008	0.0010	0.0014	0.0017	0.0024	0.0028	0.0035
High-Temperature Alloys Inconel, Nimonic, Monel, Hastelloy, Waspalloy, A286, Rene 41, Udimet, Stellite	Up to 40 HRC		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.01xD	130	0.0003	0.0004	0.0006	0.0008	0.0012	0.0014	0.0020	0.0024	0.0031
Titanium Alloys 6Al-4V, 5Al-2.5 Sn, 6Al-2Sn-4Zr-6Mo, 3Al-8V-6Cr4Mo-4Zr, 10V-2Fe-3Al, 13V-11Cr-3Al	Up to 40 HRC		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	260	0.0004	0.0006	0.0009	0.0011	0.0017	0.0020	0.0028	0.0031	0.0039
Cast iron, grey cast iron, spheroidal graphite and malleable cast iron 0.6010 EN-GL100 (GG10), 0.6020 EN-GJL-200 (GG20), 0.7050 EN-GJS-500-7 (GGG50), 0.8535 EN-GJMW-350-4 (GTW35)	up to 240 HB		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	690	0.0005	0.0007	0.0010	0.0014	0.0020	0.0023	0.0031	0.0039	0.0047
Cast iron, grey cast iron, spheroidal graphite and malleable cast iron 0.6025 EN-GL250 (GG25), 0.6035 EN-GJL-350 (GG35), 0.7070 EN-GJS-700-2 (GGG70), 0.8170 EN-GJMB-700-2 (GTS70)	over 240 HB		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	590	0.0005	0.0007	0.0010	0.0013	0.0018	0.0022	0.0028	0.0035	0.0047
Aluminum, Al-wrought alloys, Al-alloys 2024, 6061, 7075, 1050, 6351, 5005, 2017, 7075	≤ 7% Si		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	1970	0.0007	0.0009	0.0013	0.0017	0.0024	0.0029	0.0039	0.0047	0.0059
Aluminium-cast alloys 3.2131 G-AISI5Cu1, 3.2153 G-AISI7Cu3, 3.2573 G-AISI9, 3.2581 G-AISI12, 3.2583 G-AISI12Cu, - G-AISI12CuNiMg	≥ 7% Si		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	1180	0.0006	0.0008	0.0012	0.0016	0.0022	0.0026	0.0035	0.0043	0.0055
Magnesium-alloys MgMn2, G-MgAl8Zn1, G-MgAl6Zn3	-		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	985	0.0006	0.0007	0.0011	0.0015	0.0020	0.0023	0.0031	0.0039	0.0047
Non-ferrous metals (copper, short- or long-chipping brass or bronze)	Up to 25 HRC		Slotting											
			Roughing											
		G-Mold 48 F	Finishing	0.02xD	1310	0.0006	0.0008	0.0012	0.0016	0.0022	0.0026	0.0035	0.0043	0.0055

Material	Hardness	Application	Max WOC	SFM	Feed Rate IPT (inch per tooth)								
					0.2mm	0.3mm	0.5mm	0.8mm	1mm	1.5mm	2mm	2.5mm	3mm
Structural + free-cutting steels, unalloyed heat-treatable + case hardened steels A283, 1151, 1215, L10, 10Lxx, 11Lxx, 12Lxx, 41Lxx, 51Lxx, 86Lxx, 86Lxx, 10xx	Up to 25 HRC	Slotting	1xD	395	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Roughing	0.75xD	460	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
		Finishing	0.02xD	785	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
Free-cutting steels, unalloyed case hardened steels, nitriding steels 1151, 1215, L10, 10Lxx, 11Lxx, 12Lxx, 41Lxx, 51Lxx, 86Lxx, 86Lxx, 10xx, 11xx	25-38 HRC	Slotting	1xD	345	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Roughing	0.75xD	395	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
		Finishing	0.02xD	690	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
Alloyed heat-treatable, tool and high speed steels 13xx, 2340, 31xx, 32xx, 33xx, 34xx, 40xx, 41xx, 43xx, 4640, 50xx, 51xx, 61xx, 71xx, 86xx, 87xx, 92xx, 98xx, 98xx, Ax, O, Dx, Hxx, Lx, Wx, Mx, Tx	25-44 HRC	Slotting	1xD	295	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Roughing	0.75xD	345	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
		Finishing	0.02xD	590	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
Hardened Steels Carbon and Alloy Steels, Tool & Die Steels	Up to 55 HRC	Slotting	1xD	180	0.00002	0.00004	0.00006	0.00009	0.00012	0.00018	0.00024	0.00030	0.00035
		Roughing	0.33xD	280	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
		Finishing	0.01xD	360	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
	55-65 HRC	Slotting											
		Roughing	0.03xD	230	0.00002	0.00004	0.00006	0.00009	0.00012	0.00018	0.00024	0.00030	0.00035
		Finishing	0.005xD	245	0.00002	0.00002	0.00004	0.00006	0.00008	0.00012	0.00016	0.00020	0.00024
Stainless steel 303, 410, 420F, 430, 430F, 416	Up to 20 HRC	Slotting	1xD	215	0.00002	0.00004	0.00006	0.00009	0.00012	0.00018	0.00024	0.00030	0.00035
		Roughing	0.75xD	245	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Finishing	0.02xD	425	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
Stainless steel 304, 304L, 420, 17-4PH, 17-7PH, 15-5PH, 13-8PH	20-25 HRC	Slotting	1xD	195	0.00002	0.00004	0.00006	0.00009	0.00012	0.00018	0.00024	0.00030	0.00035
		Roughing	0.6xD	245	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
		Finishing	0.01xD	395	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
Stainless steel 310, 316, 316B, 316L, 317, Duplex	Over 25 HRC	Slotting	1xD	150	0.00002	0.00004	0.00006	0.00009	0.00012	0.00018	0.00024	0.00030	0.00035
		Roughing	0.6xD	180	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Finishing	0.01xD	295	0.00002	0.00004	0.00006	0.00009	0.00012	0.00018	0.00024	0.00030	0.00035
High-Temperature Alloys Inconel, Nimonic, Monel, Hastelloy, Waspalloy, A286, Rene 41, Udimet, Stellite	Up to 40 HRC	Slotting	1xD	35	0.00002	0.00002	0.00004	0.00006	0.00008	0.00012	0.00016	0.00020	0.00024
		Roughing	0.60xD	50	0.00002	0.00004	0.00006	0.00009	0.00012	0.00018	0.00024	0.00030	0.00035
		Finishing	0.01xD	65	0.00002	0.00004	0.00006	0.00009	0.00012	0.00018	0.00024	0.00030	0.00035
Titanium Alloys 6Al-4V, 5Al-2.5 Sn, 6Al-2Sn-4Zr-6Mo, 3Al-8V-6Cr4Mo-4Zr, 10V-2Fe-3Al, 13V-11Cr-3Al	Up to 40 HRC	Slotting	1xD	150	0.00002	0.00004	0.00006	0.00009	0.00012	0.00018	0.00024	0.00030	0.00035
		Roughing	0.60xD	180	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Finishing	0.01xD	295	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
Cast iron, grey cast iron, spheroidal graphite and malleable cast iron 0.6010 EN-GL100 (GG10), 0.6020 EN-GJL-200 (GG20), 0.7050 EN-GJS-500-7 (GGG50), 0.8535 EN-GJMW-350-4 (GTW35)	up to 240 HB	Slotting	1xD	360	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Roughing	0.75xD	410	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
		Finishing	0.02xD	720	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
Cast iron, grey cast iron, spheroidal graphite and malleable cast iron 0.6025 EN-GL250 (GG25), 0.6035 EN-GJL-350 (GG35), 0.7070 EN-GJS-700-2 (GGG70), 0.8170 EN-GJMB-700-2 (GTS70)	over 240 HB	Slotting	1xD	295	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Roughing	0.75xD	295	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Finishing	0.02xD	605	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
Aluminum, Al-wrought alloys, Al-alloys 2024, 6061, 7075, 1050, 6351, 5005, 2017, 7075	≤ 7% Si	Slotting	1xD	1150	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Roughing	0.75xD	1310	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
		Finishing	0.02xD	2295	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
Aluminum-cast alloys 3.2131 G-AISI5Cu1, 3.2153 G-AISI7Cu3, 3.2573 G-AISI9, 3.2581 G-AISI12, 3.2583 G-AISI12Cu, - G-AISI12CuNiMg	≥ 7% Si	Slotting	1xD	655	0.00003	0.00005	0.00008	0.00013	0.00016	0.00024	0.00031	0.00039	0.00047
		Roughing	0.75xD	755	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059
		Finishing	0.02xD	1310	0.00004	0.00006	0.00010	0.00016	0.00020	0.00030	0.00039	0.00049	0.00059

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