

Tool Names in DentalCAM 5

From version 6.10 of DentalCAM 5, we will change the system of tool names. Each tool has its unique code then, so that you can easily identify it. The code has the following structure:

Material | Cutting edge diameter – Form of cutting edge | No. of teeth¹ | Coating² – Length

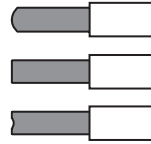
¹ only for milling cutters with teeth ² only for tools with diamond coating

Materials

C composites
G glass ceramics
M non-precious alloys (CoCr)
P wax/plastics (PMMA)
U universal
Z zirconium oxide

Form of cutting edge

R radius
F flat
T torus



Example: Z100-R2D-40

Z suitable for zirconium oxide
100 Ø cutting edge 1.00 mm
R cutting edge with face radius
2 tool with 2 teeth
D diamond coating
40 total length 40 mm

The following table compares the new tool names (1st and 2nd column) with the previous tool names (3rd column). Additionally, you'll find more tool details in plain text:

≥ V 6.10		< V 6.10	tool details			
4 axis machines	5 axis machines	general	Ø cutting edge	form of cutting edge	teeth	coating
Universal cutters						
U030-R2-35	U030-R2-40	R030	0.30 mm	radius	2	–
U050-F2-35	U050-F2-40	F050	0.50 mm	flat	2	–
U060-R2-35	U060-R2-40	R060 K	0.60 mm	radius	2	✓
		R060 Z				
		R060 N				
	–	R060 U				
U120-F2-35	U120-F2-40	F120 K	1.20 mm	flat	2	✓
		F120 Z				
		F120 N				
	–	F120 U				
The universal cutters are suitable for machining wax and plastics (PMMA), zirconium oxide and composites.						
Wax and plastics (PMMA)						
P100-R1-35	P100-R1-40	–	1.00 mm	radius	1	–
P100-R2-35	P100-R2-40	R100 K	1.00 mm	radius	2	–
P200-R1-35	P200-R1-40	–	2.00 mm	radius	1	–
P200-R2-35	P200-R2-40	R200 K	2.00 mm	radius	2	–
P250-F1-35	P250-F1-40	F250 K	2.50 mm	flat	1	–
Zirconium oxide (ZrO ₂)						
Z100-R2-35	Z100-R2-40	R100 Z	1.00 mm	radius	2	✓
Z200-R3-35	Z200-R3-40	R200 Z	2.00 mm	radius	3	✓
Z060-R2D-35	Z060-R2D-40	R060 Z	0.60 mm	radius	2	diamond
Z100-R2D-35	Z100-R2D-40	R100 Z	1.00 mm	radius	2	diamond
Z200-R3D-35	Z200-R3D-40	R200 Z	2.00 mm	radius	3	diamond
Z120-F2D-35	Z120-F2D-40	F120 Z	1.20 mm	flat	2	diamond
Composites						
C100-R2-35	C100-R2-40	R100 N	1.00 mm	radius	2	✓
	–	R100 U				
C200-R2-35	C200-R2-40	R200 N	2.00 mm	radius	2	✓
	–	R200 U				
Non-precious alloys (CoCr) and titanium						
M060-R2-32	M060-R2-35	R060 NEM	0.60 mm	radius	2	✓
M100-R2-32	M100-R2-35	R100 NEM	1.00 mm	radius	2	✓
M200-R2-32	M200-R2-35	R200 NEM	2.00 mm	radius	2	✓
M120-T2-32	M120-T2-35	F120 NEM	1.20 mm	torus	2	✓
Glass ceramics (LiSi ₂)						
	G060-R-35	R060 G	0.60 mm	radius		
	G100-R-35	R100 G	1.00 mm	radius		
	G060-T-35	T060 G	0.60 mm	torus		
	G120-T-35	T120 G	1.20 mm	torus		
	G260-T-35	T260 G	2.60 mm	torus		