

4 Flutes UTCOAT Wide Taper Barrel Form



CWTB

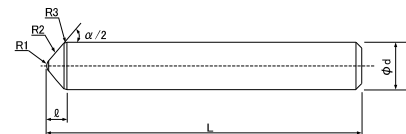
Super MG
UT COAT
Form ±0.01
Shank Dia 0/-0.005

NEW

Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

Work Material																	
Carbon Steels S45C S55C	Alloy Steels SK / SCM SUS	Prehardened Steels NAK HPM	Hardened Steels					Cast Iron	Aluminum Alloys	Graphite	Copper	Plastics	Glass Filled Plastics	Titanium Alloys	Heat Resistant Alloys	Cemented Carbide	Hard Brittle (Non-Metallic) Materials
			~ 50HRC	~ 55HRC	~ 60HRC	~ 65HRC	~ 70HRC										
●	●	●	●	●				○	●		●			○	○		

Features Broad range of application available with UTCOAT. Suitable for finishing on flat surface with wide taper angle.



- φ3mm Shank V Series
- UDC-PCD Series
- CBN Series
- Square
- Long Neck Square
- Radius
- Long Neck Radius
- Taper Neck Radius
- Ball / Long Shank Ball
- Long Neck Ball
- Taper Neck Ball
- Taper
- Barrel
- Spiral V Cutter
- Drill
- Technical Data

Total 2 models

Unit (mm)

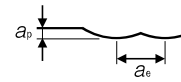
Model Number	Half Included Angle $\alpha/2$	Tip R R1	Barrel R R2	Third R R3	Length of Cut l	Overall Length L	Shank Diameter ϕd	Suggested Retail Price ¥
CWTB 4020-200-100	50°	R1	R200	R1	4.3	80	10	25,140
CWTB 4020-250-130	65°		R250		2.8	80	10	25,140

Milling Conditions for CWTB

WORK MATERIAL			ALUMINUM ALLOYS A7075				PREHARDENED STEELS PXA30(30~45HRC)				HARDENED STEELS SKD61 / STAVAX(45~55HRC)			
Model Number	Tip R (mm)	Barrel R (mm)	Spindle Speed (min ⁻¹)	Feed Rate (mm/min)	a_p Axial Depth (mm)	a_e Radial Depth (mm)	Spindle Speed (min ⁻¹)	Feed Rate (mm/min)	a_p Axial Depth (mm)	a_e Radial Depth (mm)	Spindle Speed (min ⁻¹)	Feed Rate (mm/min)	a_p Axial Depth (mm)	a_e Radial Depth (mm)
4020-200-100	R1	R200	20,000	5,000	0.2	4	12,000	2,400	0.1	4	9,000	1,100	0.075	4
4020-250-130		R250	20,000	5,000	0.1	2.5	12,000	2,400	0.1	2.5	9,000	1,100	0.075	2.5

Note:

•Set spindle speed, feed rate, and radial depth (a_e) in accordance with the required surface quality.



4 Flutes

φ3mm Shank
V Series

UDC-PCD
Series

CBN
Series

Square

Square

Long Neck
Square

Radius

Radius

Long Neck
Radius

Taper Neck
Radius

Ball

Ball / Long
Shank Ball

Long Neck
Ball

Taper Neck
Ball

Taper

Taper

Barrel

Spiral
V Cutter

Drill

Technical Data

577