2 Flutes UDC Ball End Mills for Cemented Carbide and Hard Brittle Materials

Size R0.1~R3















Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

							Work N	/laterial								
Carbon Alloy Steels Steels	Prehardened Steels	Hardened Steels				Cast Iron	Aluminum Alloys	Graphite	Copper	Plastics	Glass Filled				Hard Brittle (Non-	
SK / SCM SUS	NAK HPM	~ 50HRC	~ 55HRC	~ 60HRC	\sim 65HRC	~ 70HRC						Plastics		Alloys		Metallic) Materials
												O *1			*	•
S	Steels K / SCM	Steels Steels	Steels Steels K / SCM NAK 50UDO	Steels Steels K/SCM NAK SOURCE STURGE	Steels Steels Haldened Steels K / SCM NAK SQUIDO STUDO QQUIDO	Steels Steels Haldened Steels K/SCM NAK SOURC STURG COURS COURS	Steels Steels NAK SOURCE STUDE SOURCE STUDE TOURCE	Alloy Steels Steels Hardened Steels Cast Iron NAK SOURCE STURG SOURCE STURG STURG STURG STURG STURG STURG STURG STURG STURG STURGE STU	Steels Steels Alloys K / SCM NAK SOURCE STUDE SOURCE STUDE TOURCE	Alloy Steels Prehardened Hardened Steels Cast Iron Aluminum Alloys Graphite K / SCM NAK SOURCE STURGE COURSE STURGE COURSE TO THE COURSE TO T	Alloy Steels Steels Hardened Steels Cast Iron Aluminum Alloys Copper Alloys	Alloy Steels Steels Hardened Steels Cast Iron Aluminum Alloys Graphite Copper Plastics K / SCM NAK FOLIDO STUDO COLIDO COLIDO TALIDO	Alloy Steels Steels Hardened Steels Cast Iron Aluminum Alloys Graphite Copper Plastics Glass Filled Plastics	Alloy Steels Steels Hardened Steels Cast Iron Aluminum Alloys Filled Plastics Glass Filled Plastics Plastics Plastics Plastics	Alloy Steels Steels Hardened Steels Cast Iron Aluminum Alloys Prehardened Steels Cast Iron Aluminum Alloys Prehardened Steels Cast Iron Aluminum Alloys Plastics Filled Plastics Filled Plastics Plastics	Alloy Steels Steels Hardened Steels Cast Iron Aluminum Alloys Graphite Copper Plastics Glass Filled Alloys Resistant Alloys Prehardened Steels Steels Steels Steels Steels Resistant Alloys Filled Plastics Filled Plastics Filled Plastics Filled Plastics Plast

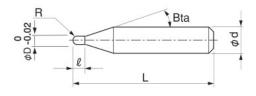
*1 DCB/DCLB series are highly recommended for Glass Filled Plastic milling.

Features

Ball type End Mills for milling Cemented Carbide and Hard Brittle (Non-Metallic) Materials.

Developed to give improved hardness and durability, new Diamond coating also has outstanding adhesion to the cutting tool. By combining the new coating with optimum cutting geometries, the tool "deep cuts" the work piece.

Leaves a burr and pit free surface finish on semi-roughing & finishing process.



The shank taper angle shown is not an exact value and to avoid contact with the work piece, we recommend the user controls the precise value of this angle. Shank taper angle should not make contact with the work piece.

Label Sample



#001 ΦD1.983 R0.000/-0.005

Diameter and Ball R accuracy measurements are printed on the label to support High Precision milling.

Total 14 models Unit (mm)

Model Number	Radius of Ball Nose R	Length of Cut	Shank Taper Angle Bta	Overall Length L	Shank Diameter Ød	Suggested Retail Price ¥
UDCB 2002-0014	RO.1	0.14	16°	50	4	39,160
UDCB 2003-0021	R0.15	0.21	16°	50	4	39,160
UDCB 2004-0028	R0.2	0.28	16°	50	4	35,660
UDCB 2005-0035	R0.25	0.35	16°	50	4	35,660
UDCB 2006-0042	R0.3	0.42	16°	50	4	32,000
UDCB 2007-0049	R0.35	0.49	16°	50	4	32,000
UDCB 2008-0056	R0.4	0.56	16°	50	4	32,000
UDCB 2009-0063	R0.45	0.63	16°	50	4	32,000
UDCB 2010-0070	R0.5	0.7	16°	50	4	32,000
UDCB 2020-0140	R1	1.4	16°	50	4	32,000
UDCB 2030-0210	R1.5	2.1	16°	60	6	35,160
UDCB 2040-0280	R2	2.8	16°	60	6	35,160
UDCB 2050-0350	R2.5	3.5	16°	60	6	35,160
UDCB 2060-0420	R3	4.2	_	60	6	35,160

ø3mm Shank V Series

Series

UDC-PCD

CBN Series

Square Square

Radius

Long Neck Radius

Taper Neck Radius





Spiral V Cutter

Barrel

Drill

Technical Data

^{*2} Hard Brittle (Non-Metallic) Materials: Ceramics (Alumina, Zirconia, etc.), Glasses and etc.