

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



Size R0.1~R3



UDCLB



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												
																	○ *1	★	● *2

*1 DCB/DCLB series are highly recommended for Glass Filled Plastic milling.
 *2 Hard Brittle (Non-Metallic) Materials: Ceramics (Alumina, Zirconia, etc.), Glasses and etc.

Total 37 models

Unit (mm)

Model Number	Radius of Ball Nose R	Effective Length l_1	Length of Cut l	Neck Diameter ϕd_1	Shank Taper Angle β	Overall Length L	Shank Diameter ϕd	Suggested Retail Price ¥
UDCLB 2002-0030	R0.1	0.3	0.14	0.18	16°	50	4	39,580
UDCLB 2002-0050		0.5				50	4	39,580
UDCLB 2002-0075		0.75				50	4	39,580
UDCLB 2002-0100	R0.2	1	0.28	0.36	16°	50	4	39,580
UDCLB 2004-0050		0.5				50	4	36,080
UDCLB 2004-0100		1				50	4	36,080
UDCLB 2004-0150		1.5				50	4	36,080
UDCLB 2004-0200	R0.3	2	0.42	0.56	16°	50	4	36,080
UDCLB 2006-0100		1				50	4	32,410
UDCLB 2006-0150		1.5				50	4	32,410
UDCLB 2006-0200	R0.4	2	0.56	0.76	16°	50	4	32,410
UDCLB 2006-0300		3				50	4	32,410
UDCLB 2008-0200		2				50	4	32,410
UDCLB 2008-0300	R0.5	3	0.7	0.96	16°	50	4	32,410
UDCLB 2008-0400		4				50	4	32,410
UDCLB 2010-0200		2				50	4	32,410
UDCLB 2010-0250	R0.5	2.5	0.7	0.96	16°	50	4	32,410
UDCLB 2010-0300		3				50	4	32,410
UDCLB 2010-0400		4				50	4	32,410
UDCLB 2010-0500		5				50	4	32,410
UDCLB 2020-0300	R1	3	1.4	1.9	16°	50	4	32,410
UDCLB 2020-0400		4				50	4	32,410
UDCLB 2020-0600		6				50	4	32,410
UDCLB 2020-0800		8				50	4	32,410
UDCLB 2020-1000	R1.5	10	2.1	2.9	16°	50	4	32,410
UDCLB 2030-0600		6				60	6	35,580
UDCLB 2030-0800		8				60	6	35,580
UDCLB 2030-1000		10				60	6	35,580
UDCLB 2030-1200	R1.5	12	2.1	2.9	16°	60	6	35,580
UDCLB 2030-1400		14				60	6	35,580
UDCLB 2040-0800		8				60	6	35,580
UDCLB 2040-1000	R2	10	2.8	3.9	16°	60	6	35,580
UDCLB 2040-1500		15				60	6	35,580
UDCLB 2050-1000	R2.5	10	3.5	4.8	16°	60	6	35,580
UDCLB 2050-1500		15				60	6	35,580
UDCLB 2060-1000	R3	10	4.2	5.7	—	60	6	35,580
UDCLB 2060-1500		15				60	6	35,580