



High Feed Milling Offers Increased Productivity!!!

高進給銑削提升加工效率及生產率

- *The CXBN Mini milling cutters offer exceptional milling performance.*
- *The smaller 6mm BNMX0603 high feed insert allows lowest cutting force to insure maximum productivity!*
- *Optimal insert geometries, wide range cutting applications, strong insert clamping and solid high feed design ensure higher efficient performance!*
- *Let the CXBN stream line your milling process!*

FEATURES AND BENEFITS

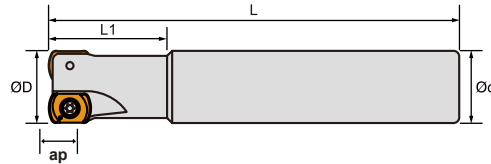
- *Double sided designed with total 4 indexes provide for cost-effective machining.*
- *Available in end mill, modular head and face mill type.*
- *Up to 1 mm DOC capability.*
- *Strong positive insert rake face angles for lower cutting force and efficient milling.*
- *Single screw design for high rigid & tensile clamping.*



These double-sided inserts provide four cutting edges for cost-effective machining, especially efficient in the machining of most common workpiece materials.

- ◆ Suitable for high-velocity, high-speed cutter of steel materials, especially when performed on smaller machines equipped with high-speed and low torque spindles.
- ◆ Provides low cutting resistance for cost-effective and high-performance machining of common work piece materials when using cutter body diameters from 15mm to 63mm.
- ◆ SKD11 tool steel is used for best rigidity and performance.
- ◆ Nickel contain plating applied for excellent corrosion resistance effect also increase surface hardness.
- ◆ To avoid the strain in second processing, finishing will be done after pre-harden.

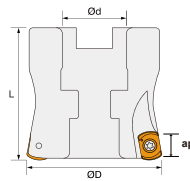
CXBNE



Order No.	D	L1	L	d	T	ap	Inserts	Screw	Wrench
ICXBNE02-0150130	15	26	130	16	2	1	BNMX0603	TS3004	TK08
ICXBNE02-0160130	16	26	130	16	2	1			
ICXBNE02-0170130	17	26	130	16	2	1			
ICXBNE02-0180150	18	25	150	20	2	1			
ICXBNE03-0200150	20	40	150	20	3	1			
ICXBNE03-0210150	21	40	150	20	3	1			
ICXBNE04-0250150	25	40	150	25	4	1			
ICXBNE04-0260150	26	30	150	25	4	1			
ICXBNE04-0320200	32	45	200	32	4	1			

Customize available.

CXBNF

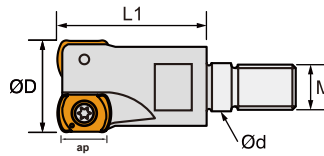


Order No.	D	L	d	T	ap	Inserts	Screw	Wrench
ICXBNF06 - 0400220	40	50	22	6	1	BNMX0603	TS3004	TK08
ICXBNF06 - 0500220	50	50	22	6	1			
ICXBNF07 - 0500220	50	50	22	7	1			
★ ICXBNF07W0500220	50	50	22	7	1			
ICXBNF08 - 0500220	50	50	22	8	1			
ICXBNF08 - 0520220	52	50	22	8	1			
ICXBNF07 - 0630220	63	50	22	7	1			
ICXBNF08 - 0630220	63	50	22	8	1			
ICXBNF08 - 0630254	63	50	25.4	8	1			
ICXBNF09 - 0630220	63	50	22	9	1			

★ with Coolant Hole

Customize available.

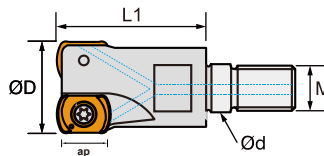
CXBNM



Order No.	D	L1	d	M	T	ap	Inserts	Screw	Wrench
ICXBNM02-0160080	16	26	8.5	M8	2	1	BNMX0603	TS3004	TK08
ICXBNM03-0210100	21	30	10.8	M10	3	1			
ICXBNM02-0200100	20	30	10.8	M10	2	1			
ICXBNM03-0200100	20	30	10.8	M10	3	1			
ICXBNM03-0250120	25	35	12.5	M12	3	1			
ICXBNM04-0250120	25	35	12.5	M12	4	1			
ICXBNM03-0260120	26	35	12.5	M12	3	1			
ICXBNM05-0320160	32	40	17	M16	5	1			

Customize available.

CXBNM (with Coolant Hole)



Order No.	D	L	d	M	T	ap	Inserts	Screw	Wrench
ICXBNM02W0160080	16	25	8.5	M8	2	1	BNMX0603	TS3004	TK08
ICXBNM02W0170080	17	30	8.5	M8	2	1			
ICXBNM03W0200100	20	30	10.8	M10	3	1			
ICXBNM03W0210100	21	30	10.8	M10	3	1			
ICXBNM04W0250120	25	35	12.5	M12	4	1			
ICXBNM04W0260120	26	35	12.5	M12	4	1			
ICXBNM05W0350160	35	43	17	M16	5	1			

Customize available.

- ◆ High feed machining, low cutting force.
- ◆ Double sided design, total 4 cutting corners.
- ◆ High metal remove rate & low vibration.

Specification

Material	P	Steel	◎	◎	◎	○	○	◎ 1st choice ○ 2st choice					
	M	Stainless steel	○	○	○	◎	◎						
K	Cast iron	◎	○	○	○	○							
Inserts	Designation	Grade					Dimensions (mm)						Drawing
		CX21NS	CX31NA	CX31NS	CX41NS	CX41NA	A	B	S	r	d1	t1	
	BNMX 0603-SG	✓		✓	✓		9.0	6.3	3.75	-	3.2	-	
	BNMX 0603-MG	✓		✓	✓		9.0	6.3	3.75	-	3.2	-	
	BNMX 0603-RG	✓		✓	✓		9.0	6.3	3.75	-	3.2	-	

Recommended Cutting Conditions

Working Material	Vc	fz	ap
Carbon Steel (HB85-225)	120 ~ 220	0.5 ~ 1.6	~ 0.9
Stainless 300 Series	70 ~ 150	0.3 ~ 1.2	~ 0.7
Cast Iron (HB140-220)	120 ~ 220	0.5 ~ 1.6	~ 0.9

Corner R Programming

Designation	Approx. R (mm)	
	Input. R	Uncut
BNMX0603	2.0	0.42

