

# ***CXBN High Feed Face Milling*** ***Double sided, 4 cutting edges***

**METRIC**

***High Feed Face Milling Offers Increased Productivity!!!***

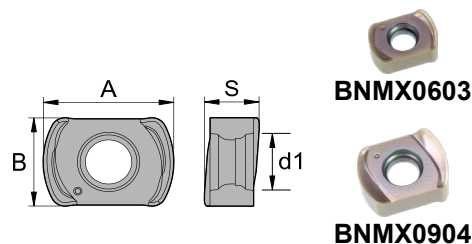


- *The CXBN Mini milling cutters offer exceptional milling performance.*
- *The BNMX0603 and BNMX0904 high feed inserts allow lowest cutting force to insure maximum productivity!*
- *Many insert geometries, wide range cutting applications, strong insert clamping and solid high feed design insure higher efficient performance!*
- *Let the CXBN stream line improve your milling process!*



## Insert Specification

Insert	Dimensions (mm)			
	A	B	S	d1
<b>BNMX0603</b>	<b>9.0</b>	<b>6.38</b>	<b>3.75</b>	<b>3.2</b>
<b>BNMX0904</b>	<b>11.9</b>	<b>9.18</b>	<b>4.8</b>	<b>4.2</b>



## Insert Geometry

Shape	Chipbreaker	Application
	<b>SG</b>	Sharp geometry design for finishing cutting in steel, stainless and difficult-to-cut material.
	<b>MG</b>	Low cutting force for medium cutting in steel, stainless and cast iron.
	<b>RG</b>	Strong geometry design for rough cutting in steel, alloy steel and hardened steel.

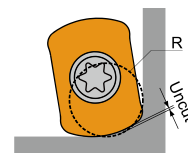
## Insert Grade

Grade Type	Machining Application	Industry area
<b>CX22HS</b>	<ul style="list-style-type: none"> <li>Continuous semi-finishing machining</li> <li>For Hardened steel and Cast Iron</li> </ul>	<ul style="list-style-type: none"> <li>Die and mould</li> <li>Hardened parts</li> </ul>
<b>CX32HS</b>	<ul style="list-style-type: none"> <li>Medium machining</li> <li>For Carbon steel, Alloy steel and Stainless steel</li> </ul>	<ul style="list-style-type: none"> <li>Auto parts</li> <li>Machinery parts</li> </ul>
<b>CX43TS</b>	<ul style="list-style-type: none"> <li>Roughing or interrupted machining</li> <li>For Carbon steel, Alloy steel, Stainless steel and High temperature alloy</li> </ul>	<ul style="list-style-type: none"> <li>Auto parts</li> <li>Machinery parts</li> <li>Aircraft parts</li> </ul>

※ Different grades for various applications are available to select, please contact us for more information.

## Corner R Programming

Designation	Approx. R (mm)	
	Input. R	Uncut
BNMX0603	2.0	0.42
BNMX0904	2.5	0.61



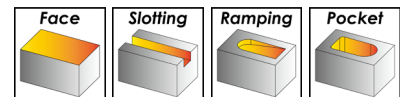
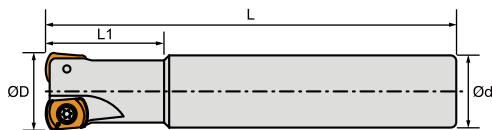
## Recommended Cutting Conditions

Working Material	for BNMX0603			for BNMX0904		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel (HB85-225)	120 ~ 250	0.4 ~ 1.6	0.3 ~ 0.9	120 ~ 250	0.4 ~ 2.0	0.3 ~ 1.4
Stainless 300 Series	100 ~ 180	0.3 ~ 1.2	0.3 ~ 0.7	100 ~ 180	0.3 ~ 1.6	0.3 ~ 1.2
Cast Iron (HB140-220)	120 ~ 250	0.4 ~ 1.6	0.3 ~ 0.9	120 ~ 250	0.4 ~ 2.0	0.3 ~ 1.4
High temp. & Titanium alloy	40 ~ 100	0.3 ~ 0.8	0.3 ~ 0.6	40 ~ 100	0.3 ~ 1.2	0.3 ~ 1.2
Hardened steel	50 ~ 100	0.3 ~ 1.0	0.3 ~ 0.6	50 ~ 100	0.3 ~ 1.4	0.3 ~ 1.2

## Order Code

Insert	Order No.	Designation	Working Material					
			P	M	K	N	S	H
	IBNMX0603SG22HS	BNMX0603-SG-CX22HS	●	○	●		○	●
	IBNMX0603SG32HS	BNMX0603-SG-CX32HS	●	●	●		○	○
	IBNMX0603SG43TS	BNMX0603-SG-CX43TS	●	●	●		●	
	IBNMX0603MG22HS	BNMX0603-MG-CX22HS	●	○	●		○	●
	IBNMX0603MG32HS	BNMX0603-MG-CX32HS	●	●	●		○	○
	IBNMX0603MG43TS	BNMX0603-MG-CX43TS	●	●	●		●	
	IBNMX0603RG22HS	BNMX0603-RG-CX22HS	●	○	●		○	●
	IBNMX0603RG32HS	BNMX0603-RG-CX32HS	●	●	●		○	○
	IBNMX0603RG43TS	BNMX0603-RG-CX43TS	●	●	●		●	
	IBNMX0904MG22HS	BNMX0904-MG-CX22HS	●	○	●		○	●
	IBNMX0904MG32HS	BNMX0904-MG-CX32HS	●	●	●		○	○
	IBNMX0904MG43TS	BNMX0904-MG-CX43TS	●	●	●		●	

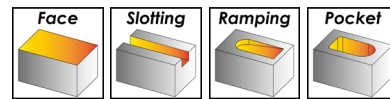
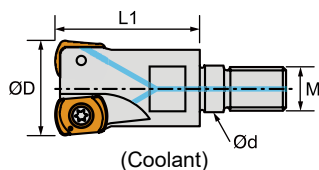
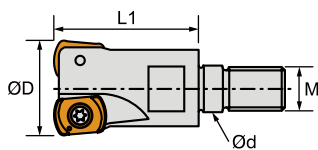
## CXBNE - Milling tools



Order No.	D	L1	L	d	T	Inserts	Screw	Wrench
ICXBNE602015130	15	26	130	16	2	BNMX0603	ITS3004	ITK08
ICXBNE602016130	16	26	130	16	2			
ICXBNE602017130	17	26	130	16	2			
ICXBNE602018130	18	25	130	20	2			
ICXBNE603020150	20	40	150	20	3			
ICXBNE603021150	21	40	150	20	3			
ICXBNE604025150	25	40	150	25	4			
ICXBNE604026150	26	30	150	25	4			
ICXBNE604032200	32	45	200	32	4			
ICXBNE903025150	25	40	150	25	3			
ICXBNE903032150	32	40	150	32	3			

Customize available.

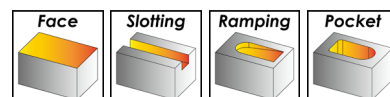
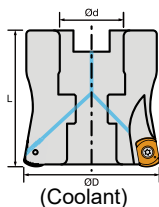
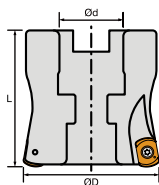
## CXBNM - Modular tools



Order No.	D	L1	d	M	T	Coolant	Inserts	Screw	Wrench
ICXBNM602016080	16	26	8.5	M8	2		BNMX0603	ITS3004	ITK08
ICXBNM602016081	16	26	8.5	M8	2	●			
ICXBNM603020100	20	30	10.5	M10	3				
ICXBNM603020101	20	30	10.5	M10	3	●			
ICXBNM603021100	21	30	10.5	M10	3				
ICXBNM603025120	25	35	12.5	M12	3				
ICXBNM604025120	25	35	12.5	M12	4				
ICXBNM604025121	25	35	12.5	M12	4	●			
ICXBNM603026120	26	35	12.5	M12	3				
ICXBNM604032161	32	40	17.0	M16	4	●			
ICXBNM605032160	32	40	17.0	M16	5				
ICXBNM606040161	40	43	17.0	M16	6	●			
ICXBNM903025121	25	35	12.5	M12	3	●	BNMX0904	ITS3504	ITK15
ICXBNM904032161	32	40	17.0	M16	4	●			
ICXBNM904035161	35	43	17.0	M16	4	●			
ICXBNM905042161	42	43	17.0	M16	5	●			

Customize available.

## CXBNF - Milling tools



Order No.	D	L	d	T	Coolant	Inserts	Screw	Wrench
ICXBNF606040220	40	50	22	6		BNMX0603	ITS3004	ITK08
ICXBNF607050220	50	50	22	7				
ICXBNF607050221	50	50	22	7	●			
ICXBNF607052221	52	50	22	7	●			
ICXBNF607063220	63	50	22	7				
ICXBNF906050221	50	50	22	6	●	BNMX0904	ITS3504	ITK15
ICXBNF906052221	52	50	22	6	●		ITS4009	
ICXBNF907063220	63	50	22	7			ITS3504	
ICXBNF907063271	63	50	27	7	●			
ICXBNF907066271	66	50	27	7	●			
ICXBNF908080271	80	50	27	8	●			

Customize available.

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