

CXXN 90° Shoulder Milling

Double sided, 6 cutting edges

Economical solution in various end-milling applications!!!

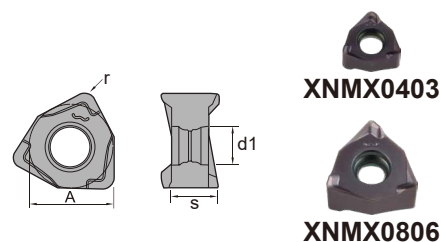


- ***CXXN is the best solution 90° milling with the economy of 6 cutting edges while providing the highest performance.***
- ***Available in multiple mounting tools, such as End mill, Modular and Face mill type.***
- ***Suitable for small and large sized milling machines.***



Insert Specification

Insert	Dimensions (mm)			
	A	S	r	d1
XNMX0403	6.7	3.285	0.8	3.15
XNMX0806	12.53	6.5	0.8	4.5



Insert Geometry

Shape	Chipbreaker	Application
	MG	Low cutting force for medium cutting in steel, stainless and cast iron.
	RG	Strong geometry design for rough cutting in steel, alloy steel and hardened steel.

Insert Grade

Grade Type	Machining Application	Industry area
CX22HS	- High speed & high feed - Shallow depth - Semi-Finishing to Medium - Continuous machining	- Mold, Die and Hardness steel - Difficult-to-cut material
CX31NA	- Medium speed - Moderate to large depth - Medium to Roughing - General machining	- Automotive - Mold and Die - Steel and Stainless steel
CX32HS	- Medium to high speed - Moderate to large depth - Medium to Roughing - General machining	- Automotive - Mold and Die - Steel and Stainless steel
CX42HS	- Medium speed - Large depth - Roughing - Interrupted machining	- Automotive - Steel, Alloy steel and Stainless steel

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

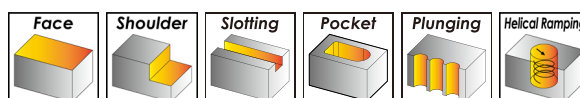
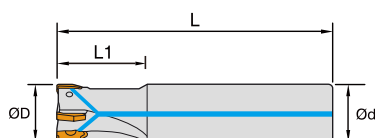
Recommended Cutting Conditions

Working Material	for XNMX0403			for XNMX0806		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel (HB85-225)	80 ~ 200	0.10 ~ 0.16	0.3 ~ 3.0	80 ~ 200	0.1 ~ 0.3	0.3 ~ 7.0
Stainless 300 Series	50 ~ 130	0.08 ~ 0.12	0.3 ~ 1.6	50 ~ 110	0.08 ~ 0.25	0.3 ~ 4.5
Cast Iron (HB140-220)	80 ~ 200	0.10 ~ 0.16	0.3 ~ 3.0	80 ~ 180	0.1 ~ 0.3	0.3 ~ 7.0
High temp. & Titanium alloy	40 ~ 80	0.08 ~ 0.12	0.3 ~ 1.5	40 ~ 80	0.08 ~ 0.18	0.3 ~ 4.0
Hardened steel	50 ~ 100	0.09 ~ 0.13	0.3 ~ 1.5	50 ~ 100	0.09 ~ 0.19	0.3 ~ 4.0

Order Code

Insert	Order No.	Designation	Working Material					
			P	M	K	N	S	H
	IXNMX040308MG22HS	XNMX040308-MG CX22HS	●	○	●		●	●
	IXNMX040308MG31NA	XNMX040308-MG CX31NA	●	○	●		○	○
	IXNMX040308MG32HS	XNMX040308-MG CX32HS	●	●	●		○	○
	IXNMX040308MG42HS	XNMX040308-MG CX42HS	●	●	●		○	
	IXNMX040308RG22HS	XNMX040308-RG CX22HS	●	○	●		●	●
	IXNMX040308RG31NA	XNMX040308-RG CX31NA	●	○	●		○	○
	IXNMX040308RG32HS	XNMX040308-RG CX32HS	●	●	●		○	○
	IXNMX080608MG22HS	XNMX080608-MG CX22HS	●	○	●		●	●
	IXNMX080608MG31NA	XNMX080608-MG CX31NA	●	○	●		○	○
	IXNMX080608MG32HS	XNMX080608-MG CX32HS	●	●	●		○	○
	IXNMX080608MG42HS	XNMX080608-MG CX42HS	●	●	●		○	
	IXNMX080608RG31NA	XNMX080608-RG CX31NA	●	○	●		○	○
	IXNMX080608RG32HS	XNMX080608-RG CX32HS	●	●	●		○	○
	IXNMX080608RG42HS	XNMX080608-RG CX42HS	●	●	●		○	

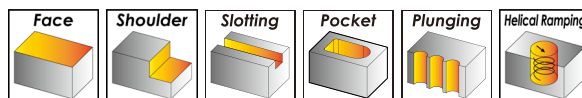
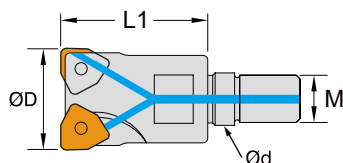
CXXN - End mill tools



Order No.	D	L1	L	d	T	Coolant Hole	Inserts	 Screw	 Wrench
ICXXNE403020150	20	40	150	20	3		XNMX0403	TS2512	TK08
ICXXNE403020200	20	100	200	20	3				
ICXXNE404025150	25	40	150	25	4				
ICXXNE405032200	32	45	200	32	5				
ICXXNE403020111	20	28	110	20	3	●			
ICXXNE404025121	25	28	120	25	4	●			
ICXXNE405032131	32	30	130	30	5	●			

Customize available.

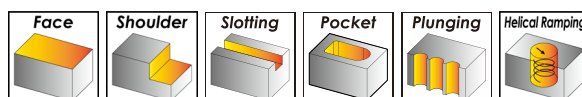
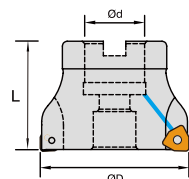
CXXN - Modular tools



Order No.	D	L1	d	M	T	Coolant Hole	Inserts	Screw	Wrench
ICXXNM402017081	17	26	8.5	M08	2	●	XNMX0403	TS2512	TK08
ICXXNM403021101	21	32	10.5	M10	3	●			
ICXXNM404026121	26	38	12.5	M12	4	●			
ICXXNM404032160	32	41	17	M16	4				

Customize available.

CXXN - Face mill tools



Order No.	D	L	d	T	Coolant Hole	Inserts	Screw	Wrench
ICXXNF406050220	50	50	22	6		XNMX0403	TS2512	TK08
ICXXNF407063220	63	50	22	7				
ICXXNF407063250	63	50	25.4	7				
ICXXNF407040161	40	40	16	7	●			
ICXXNF409050221	50	40	22	9	●			
ICXXNF805050221	50	40	22	5	●	XNMX0806	TS4006	TK15
ICXXNF806063221	63	40	22	6	●			
ICXXNF807080271	80	50	27	7	●			
ICXXNF811100321	100	50	32	11	●			
ICXXNF811125401	125	63	40	11	●			

Customize available.

WINSTAR CUTTING TECHNOLOGIES CORP.

No. 10, Gongye 6th Road, Tainan Technology Industrial Park,
Tainan City 709, Taiwan

TEL : +886-6-3840386

FAX : +886-6-3840387

www.winstarcutting.com

info@winstarcutting.com

Dealer :