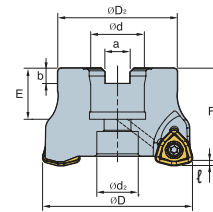


HFNC High Feed Face Mills



Designation	Code No.	Price \$	ØD	Ød	ØD2	Ød2	a	b	E	F	ℓ	No. of Inserts	Insert	
HFNC	09250HR-6	148798	1,392.70	2.5	0.750	2.205	0.630	0.315	0.220	0.787	1.750	0.06	6	WNMX09T316ZNN-M
	09300HR-7	148813	1,590.63	3.0	1.000	2.205	0.827	0.374	0.236	0.866	2.000	0.06	7	
	09400HR-8	148815	1,786.88	4.0	1.250	2.874	1.024	0.500	0.315	0.866	2.000	0.06	8	
	13200HR-3	146872	938.08	2.0	0.75	1.772	0.630	0.315	0.220	0.787	1.75	0.08	3	WNMX130520-ZNN-M
	13200HR-4	146873	1,292.68	2.0	0.75	1.772	0.630	0.315	0.220	0.787	1.75	0.08	4	
	13250HR-4	146881	1,207.35	2.5	0.75	1.772	0.630	0.315	0.220	0.787	1.75	0.08	4	
	13250HR-5	146882	1,509.20	2.5	0.75	1.772	0.630	0.315	0.220	0.787	1.75	0.08	5	
	13300HR-5	146883	1,536.14	3.0	1.00	2.205	0.827	0.374	0.236	0.866	2.0	0.08	5	
	13300HR-6	146884	1,663.11	3.0	1.00	2.205	0.827	0.374	0.236	0.866	2.0	0.08	6	
	13400HR-6	146885	1,663.11	4.0	1.25	2.874	1.024	0.500	0.315	0.866	2.0	0.08	6	
	13400HR-7	146886	1,912.57	4.0	1.25	2.874	1.024	0.500	0.315	0.866	2.0	0.08	7	

AA:76°, AR:-7°, RR:-12° ~ -4°

Parts

Designation	Insert	Screw	Wrench
HFNC 09250 - 09400HR	WNMX09T316ZNN-M	FTKA0307	148210 \$ 16.02
HFNC 13200 - 13400HR	WNMX130520-ZNN-M	FTKA0412B	146969 \$ 12.90
			TW09S 146951 \$ 16.73
			TW15S 146801 \$ 47.64

Double Sided High Feed Milling Inserts

- High rake angle cutting edge reduces cutting load making this insert excellent for high feed and multi-functional machining
- Double sided design makes this a very economical insert
- Negative geometry has been designed for rigidity of cutting edge and double sided function
- Symmetrical cutting edge is applicable for both R and L type tools

Nose-R

- Security of rigid edge in ramping, pocket machining
- Round edge line suitable for high lead
- Insert geometry extrinsic to R/L type machining

Chip breaker

- Reduction of cutting load due to high rake angle
- Improvement of chip flow
- Prevention of damage on clamping face of insert

Minor cutting edge

- Improvement of surface roughness.
- Design for decreasing thrust force

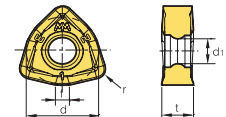
Major cutting edge

- High feed by application of high rake cutting edge
- Realization of low cutting resistance in high feed
- Symmetrical insert design for R/L type tool

WNMX



Features
Excellent geometries for a variety of materials



Designation	Coated Carbide										Uncoated Carbide		(inch)					Applicable Cutter	
	PTM50P	PT30P	PM25C	PM30P	PM35P	PM40P	KM20C	MM30P	PC9530	SM20P	PM20U	KTM10U	d	t	r	d1	f	Cutter	Page No.
WNMX09T316ZNN-M	145640							146891					0.375	0.156	0.063	0.142	0.067	HFNA	E120
	\$ 29.55							\$ 28.75											
WNMX130520ZNN-M	145675												0.500	0.219	0.079	0.185	0.098	HFNC	E121
	\$ 46.38																		

Quick Choice Grade Selection

P Steel	M Stainless Steel	K Cast Iron - Alum	S Heat Resistant Alloy
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