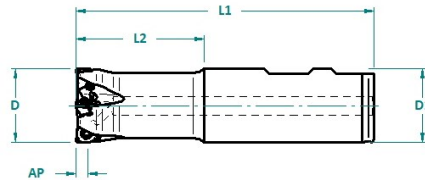
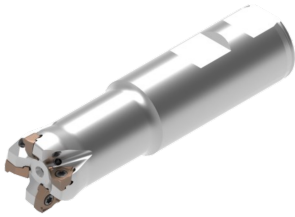




# Milling Kit \$\$ Savings \$\$

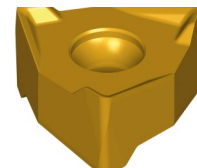
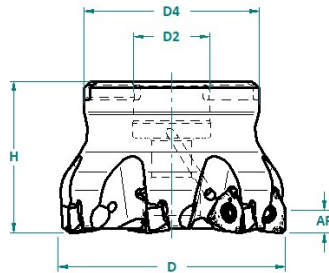
**Each KIT Includes 1 Cutter, 10 Inserts & 1 Key**



## 6 Cutting Edges for Economical cost per Corner

Designation	Dimensions						Regular List	PROMO
	D	D1	L1	L2	Ap	Flutes		
XN04EM-0750-3.50F3-KIT	.750	.750	3.50	1.47		3	398.58	279.00
XN04EM-1000-4.00H4-KIT	1.000	1.000	4.00	1.72	.157	4	456.65	319.66
XN04EM-1250-4.00J5-KIT	1.250	1.250				5	494.50	346.15

Insert XNEX-04030\_ / Insert Screw TP02-25064 / Wrench TORX-IP7-FL



## 6 Cutting Edges for Economical cost per Corner

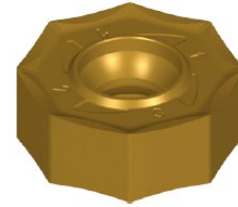
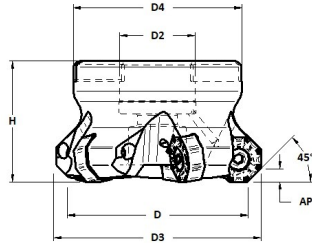
Designation	Dimensions					Flutes	Regular List	PROMO
	D	D2	D4	H	Ap			
XN08SM-2000-1.75F5-KIT	2.000	.750	1.70	1.75		5	537.20	376.00
XN08SM-2500-2.00H6-KIT	2.500		2.20	2.00		6	611.20	427.84
XN08SM-3000-2.00H7-KIT	3.000	1.000	2.80		.275	7	690.20	483.14
XN08SM-4000-2.50L8-KIT	4.000	1.500	3.10			8	872.00	610.40
XN08SM-6000-2.50P12-KIT	6.000	2.000	4.80	2.50		12	1,209.30	846.51

Insert XNEX-0806\_\_ / Insert Screw TP02-40054 / Torx Wrench TORX-IP15-FL *Note!! 6.00" Cutter Includes 15 Inserts*



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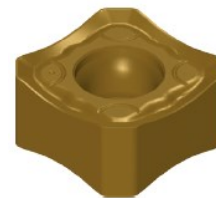
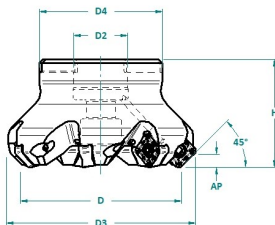
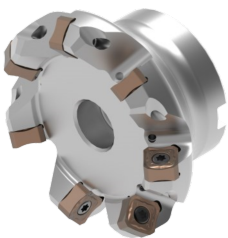
# Milling Kit    \$\$ Savings    \$\$



## 16 Cutting Edges for Economical cost per Corner

Designation	Dimensions						Flutes	Regular List	PROMO
	D	D2	D3	D4	H	AP			
ON05SM-2000-1.75F5-KIT	2.000	.750	2.30	1.70	1.75	.125	5	559.00	391.30
ON05SM-2500-2.00H6-KIT	2.500	1.000	2.80	2.20	2.00		6	661.15	462.81
ON05SM-3000-2.00H7-KIT	3.000	1.000	3.30	2.20	2.00		7	700.95	490.67
ON05SM-4000-2.00J8-KIT	4.000	1.250	4.30	2.75	2.00		8	858.99	599.95
Insert ONMX-050608 / Insert Screw T06-40115 / Wrench TORX-IP20-FL									

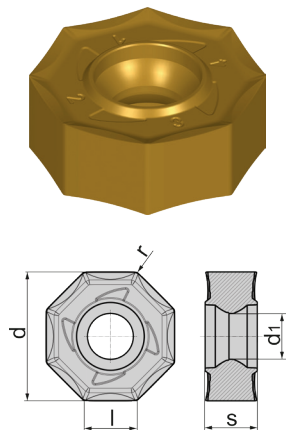
Designation	Dimensions						Flutes	Regular List	PROMO	
	D	D2	D3	D4	H	AP				
ON08SM-2000-1.75F4-KIT	2.000	.750	2.40	1.70	1.75	.200	4	576.04	399.95	
ON08SM-2500-2.00H5-KIT	2.500	1.000	2.90	2.20	2.00		5	664.00	464.80	
ON08SM-3000-2.00H5-KIT	3.000	1.250	3.40	2.80	2.00		5	736.00	515.20	
ON08SM-4000-2.50L7-KIT	4.000	1.500	4.40	3.80	2.50		7	903.99	632.79	
ON08SM-5000-2.50L8-KIT	5.000	1.500	5.40	3.80	2.50		8	1,086.15	760.31	
ON08SM-6000-2.50P9-KIT	6.000	2.000	6.40	4.80	2.50		9	1,160.55	812.39	
ON08SM-8000-2.50T12-KIT	8.000	2.500	8.40	5.50	2.50		12	2,109.25	1476.48	
Insert ONMX-080608 / Insert Screw TX25-60160 / Torx Wrench TORX-25										
<i>Note!! 8.00" Cutter Includes 15 Inserts</i>										



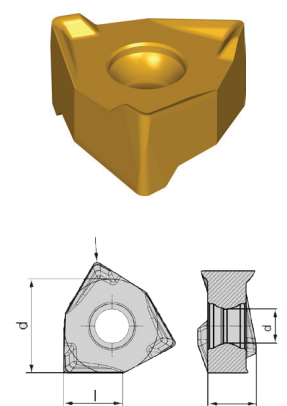
## 8 Cutting Edges for Economical cost per Corner

Designation	Dimensions						Flutes	Regular List	PROMO
	D	D2	D3	D4	H	AP			
SN12SM-2000-1.75F5-KIT	2	0.75	2.53	1.7	1.75	.250	5	472.09	330.46
SN12SM-2500-2.00H6-KIT	2.5	1	3.03	2.2	2		6	578.75	405.13
SN12SM-3000-2.00H7-KIT	3	1	3.53	2.3	2		7	638.74	447.12
SN12SM-4000-2.00L8-KIT	4	1.5	4.53	3.81	2.5		8	810.60	567.42
SN12SM-6000-2.50P10-KIT	6	2	6.53	4.88	2.5		10	1094.25	765.98
Insert SNMX-1206ANSN / Insert Screw TX15-1245 / Torx Wrench TORX-15									

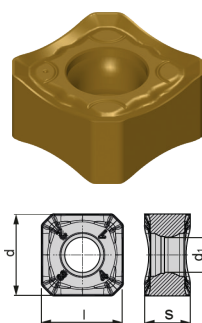
# Carbide Inserts Available for HPM Milling Kits



Designation	l	d	d1	s	r	NP20MC	NP25MP	NP30MC	NP35MP	NM35MP	NM40MP	NK15MC	NK20MP	NH05MC	NH10MP
INSERT: ONMX-0506   Max Depth of Cut .125"															
ONMX-050608SN-P						●			●						
ONMX-050608SN-M	.206	.500	.215	.228	1/32					●	●				
ONMX-050608SN-K													●		
ONMX-050608SN-H														●	●
INSERT: ONMX-0806   Max Depth of Cut .200"															
ONMX-080608SN-P						●	●	●	●						
ONMX-080608SN-M	.315	.750	.275	.266	1/32					●	●				
ONMX-080608SN-K												●	●		
INSERT: ONMQ Wiper insert															
ONMQ-0506FW	.206	.500	.215	.228	1/32										●
ONMQ-0806FW	.315	.752	.274	.266	1/32					●					●



Designation	l	d	d1	s	r	NP20MC	NP25MP	NP30MC	NP35MP	NP40MP	NM35MP	NM40MP	NK15MC	NK20MP	RTK20	NN10MP	NH05MC	NH10MP	
INSERT: XNEX-04030_   Max Depth of Cut .155"																			
XNEX-040304-TP						●	●	●	●										
XNEX-040304-TM	.157	.264	.156	.126	1/64						●	●							
XNEX-040304-TK													●	●					
XNEX-040304-TH																	●	●	
XNEX-040308-TP							□		●										
XNEX-040308-TM	.157	.264	.156	.126	1/32					□	●								
XNEX-040308-TK													●						
XNEX-040308-TH																	●	●	
INSERT: XNEX-0806__   Max Depth of Cut .275"																			
XNEX-080608-TP						●	●	●	●	●									
XNEX-080608-TM											●	●							
XNEX-080608-TK	.315	.500	.258	.181	1/32								●	●					
XNEX-080608-TN															●	●			
XNEX-080608-TH																	●	●	
XNEX-080612-TP							□		●										
XNEX-080612-TM	.315	.500	.258	.181	3/64					□	●								
XNEX-080612-TK													●						
XNEX-080612-TH																	●	●	



Designation	l	d	d1	s	r	NP20MC	NP25MP	NP30MC	NP35MP	NM35MP	NM40MP	NK15MC	NK20MP	NH05MC	NH10MP	NS35MP	NS40MP	
INSERT: SNMX-1206ANSN / SNHX-1206ANSN   Max D.O.C. .250"																		
SNMX-1206ANSN-P					.228	●	●	●	●									
SNMX-1206ANSN-M					.244					●	●							
SNMX-1206ANSN-K	.500	.500	.205	.228	--							●	●					
SNHX-1206ANSN-N					.244									●	●			
SNMX-1206ANSN-S					.244											●		□
INSERT: SNEX-1206-FW Wiper insert   Max Depth of Cut .028"																		
SNEX-1206-FW	.500	.500	.205	.228	--					●								

● Standard Stock Item □ Available On Request

# Cutting Speeds & Depth of Cut Charts for XNEX Series of Cutters

Cutting Speeds for HPM-XNEX Inserts & Cutters								
Material Application	NP20MC / NP25MP	NP30MC / NP35MP	NP40MP	NM35MP / NM40MP	NK15MC / NK20MP	NN10MP	RTK20	NH05MC / NH10MP
Low to Medium Carbon Steel	525 - 950	500 - 580	490 - 850	525 - 850	725 - 1060	---	---	---
Alloy & Tool Steel	425 - 625	330 - 525	360 - 525	430 - 560	570 - 720	---	---	---
Stainless Steel & Refractory Alloys	325 - 460	295 - 430	295 - 430	200 - 595	---	---	---	110 - 495
Grey & Ductile Iron	340 - 1180	---	---	---	530 - 1180	---	---	---
Aluminum & Copper Alloys	---	---	---	---	---	500 - 6500	400 - 5000	---
Hardened Steel to 54Rc	---	---	---	325 - 460	360 - 460	---	---	---

## Depth of Cut & Feed Rates

Please use the charts on the right side to determine cutting depth and starting feed rates. On new applications it is recommended to start with the middle feed ranges and optimize after the first few cuts. Tool life normally improves with higher feed rates.

Insert XNEX-04030_						
Geometry	Cutting Depth			Feed per Tooth		
TP	.016	.080	.155	.004	.008	.012
TM	.016	.080	.155	.004	.007	.008
TK	.016	.080	.155	.004	.008	.012
TN	---			---		
TH	.016	.080	.155	.003	.006	.007

Insert XNEX-0806_						
Geometry	Cutting Depth			Feed per Tooth		
TP	.040	.160	.275	.008	.008	.012
TM	.040	.160	.275	.008	.008	.012
TK	.040	.160	.275	.008	.012	.016
TN	.040	.160	.275	.008	.012	.016
TH	.030	.160	.275	.006	.007	.008

# Cutting Speeds & Depth of Cut Charts for SNMX & ONMX Series of Cutters

Cutting Speeds for HPM Cutters — ONMX and SNMX Inserts and Cutters

Material Application	NP20MC / NP25MP	NP30MC / NP35MP	NM35MP / NM40MP	NK15MC / NK20MP	NN10MP	RTK20	NS35MP / NS40MP
Low to Medium Carbon Steel	525 - 950	490 - 850	525 - 850	725 - 1060	---	---	---
Alloy & Tool Steel	425 - 625	360 - 525	430 - 560	570 - 720	---	---	---
Stainless Steel & Refractory Alloys	325 - 460	295 - 430	200 - 595	---	---	---	110 - 495
Grey & Ductile Iron	340 - 1180	---	---	420 - 1180	---	---	---
Aluminum & Copper Alloys	---	---	---	---	500 - 6500	400 - 5000	---
Hardened steel to 54 Rc	---	---	325 - 460	360 - 460	---	---	---
Titanium & HRSA	---	---	80 - 325	---	---	---	85 - 300

## Cutting Depth and Feed Rates for ONMX & SNMX Cutters & Inserts

Insert ONMX-050608						
Geometry	Cutting Depth			Feed per Tooth		
SN-P	.015	.080	.125	.006	.008	.012
SN-M	.015	.080	.125	.005	.007	.010
SN-K	.015	.080	.125	.008	.010	.014
SN-H	.015	.060	.100	.004	.006	.010
FW	.015	.025	.035	.008	.010	.012

Insert ONMX-080608						
Geometry	Cutting Depth			Feed per Tooth		
SN-P	.040	.125	.200	.008	.011	.018
SN-M	.040	.125	.200	.008	.010	.014
SN-K	.040	.125	.200	.008	.014	.024
SN-H	.040	.100	.150	.006	.010	.014
FW	.020	.025	.035	.008	.010	.012

Insert SNMX-1206ANSN						
Geometry	Cutting Depth			Feed per Tooth		
SN-P	.039	.157	.250	.008	.012	.016
SN-M	.039	.157	.250	.006	.008	.012
SN-K	.039	.157	.250	.008	.012	.016
SN-N	.028	.157	.250	.006	.009	.014
SN-S	.039	.157	.250	.006	.008	.012
FW	.008	.012	.016	.008	.020	.028