

# NPN

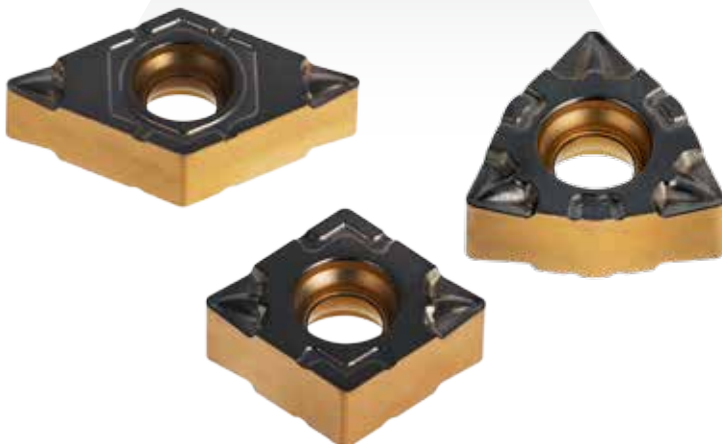
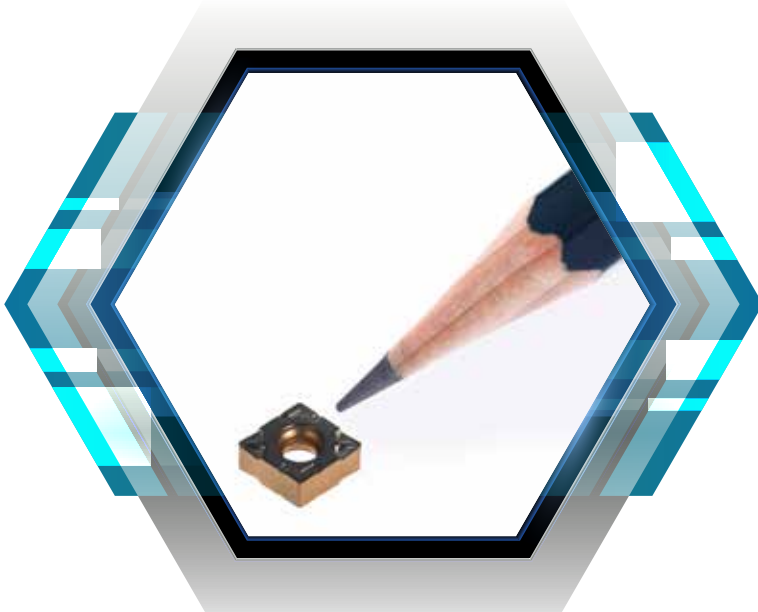
New Product News



## RHINO M TURN

MINI LINE

**Economical Double-Sided  
Mini Size Inserts and Holders**



## KEY POINT

**TaeguTec has launched a new double-sided mini size insert and holder line, the RHINO-M-TURN, replacing standard positive small inserts.**

**RHINO-M-TURN** is a compact, double-sided mini size insert that is suitable for the internal and external turning of small parts and can replace standard positive small inserts like CCMT 06 and DCMT 07.

Although the insert is a double-sided type, it has the same edge angle as the conventional positive insert type when mounted to the holder. This results in minimal vibration due to the low cutting force, as well as good workpiece surface finish and machining accuracy; particularly at low depths of cut. In addition, the strong screw clamping design exerts stable machining during operations.

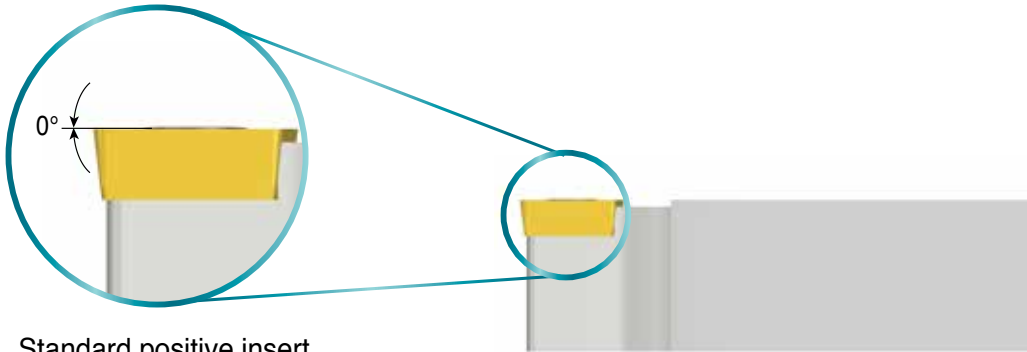
The inserts are available as CNMX, DNMX, WNMX type for finishing, and a precise DNGX type suitable for Swiss type automatic lathes. The square holders are available in shank sizes 1212, 1616 for Swiss type automatic lathes, and 1616, 2020 for general machining while the boring bars are available in Ø12 mm and Ø16 mm.

### Features

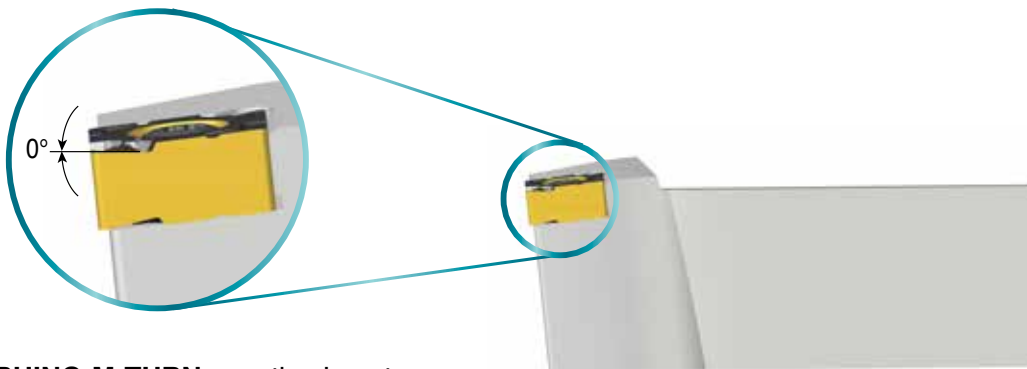
- Double-sided mini size inserts (IC 7 mm), optimized turning for low depths of cut less than 2 mm
- **RHINO-M-TURN** inserts have the same cutting edge angle of zero degree as standard positive inserts when mounted to holders
  - Low cutting force and minimal vibration
  - Good surface finish of the workpiece
- Excellent chip control at low depths of cut
- Stable screw clamping suitable for general-purpose machining of small parts and Swiss type automatic lathes



## Same cutting edge angle as the standard positive insert



Standard positive insert



RHINO-M-TURN negative Insert

## New chip breaker designation

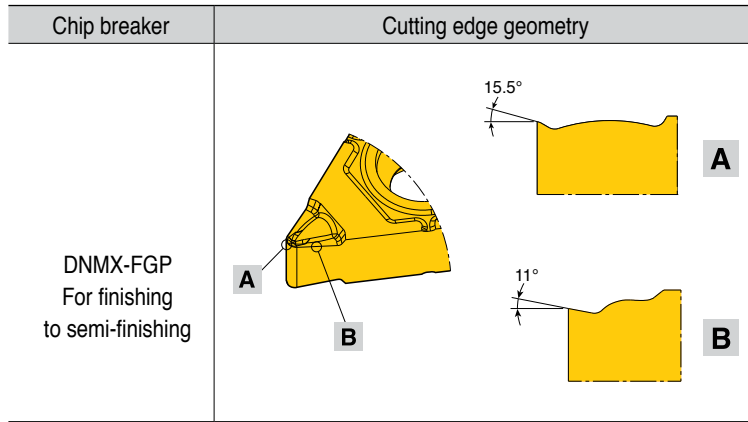
F	G	P
1	2	3

1 Applications	
F	Finishing
M	Medium
R	Roughing

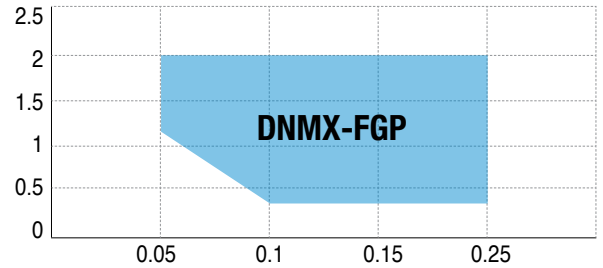
2 Cutting conditions	
L	Light cutting
G	General cutting
T	Tough cutting

3 Workpiece materials	
P	Steel
M	Stainless steel
K	Cast iron
S	High temperature alloys

## DNMX chip breaker geometry and chip control range

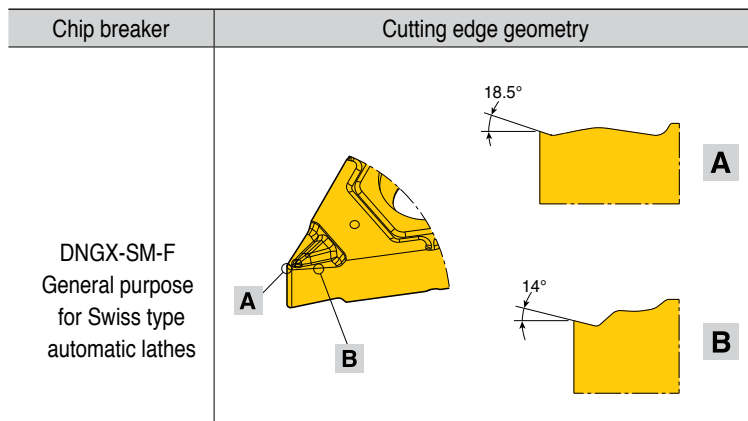


Depth of cut (mm)

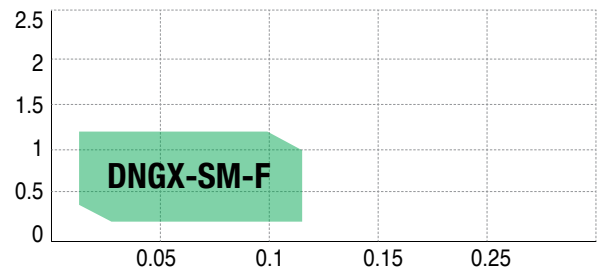


- Insert : DNMX 080304 FGP
- Cutting speed (V) : 200 m/min
- Material : AISI 4140 (HB235~255)

Feed rate  
(mm/rev)



Depth of cut (mm)



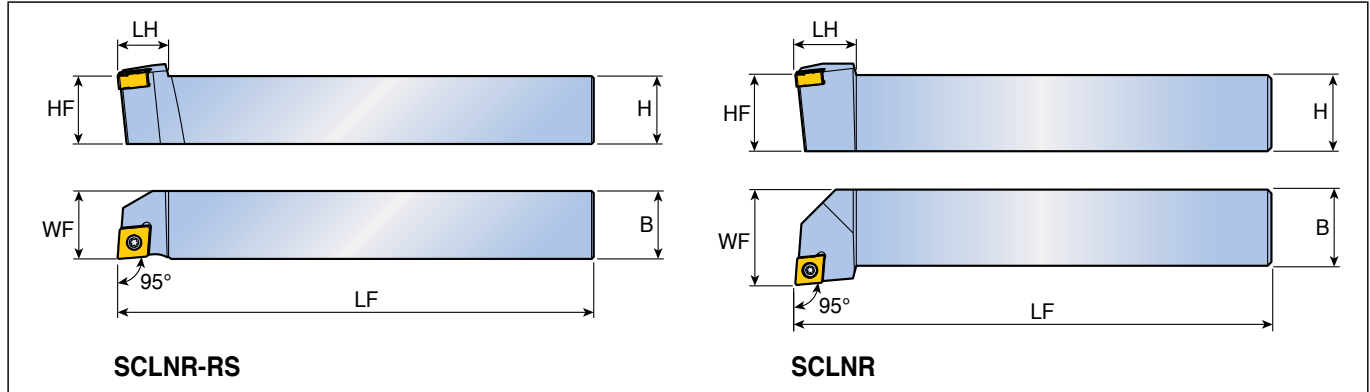
- Insert : DNGX 080302M SM-F
- Cutting speed (V) : 80 m/min
- Material : AISI 304 (HB140~160)

Feed rate  
(mm/rev)

## SCLNR/L-RS SCLNR/L



### Screw type holders



Approach angle	Designation	Dimension (mm)						Insert
		H	HF	B	LF	LH	WF	
95°	<b>SCLNR/L 1212 K0703-RS</b>	12	12	12	125	12	12	CNMX 0703...
	<b>1616 K0703-RS</b>	16	16	16	125	12	16	
95°	<b>SCLNR/L 1616 H0703</b>	16	16	16	100	12	20	
	<b>2020 K0703</b>	20	20	20	125	16	25	

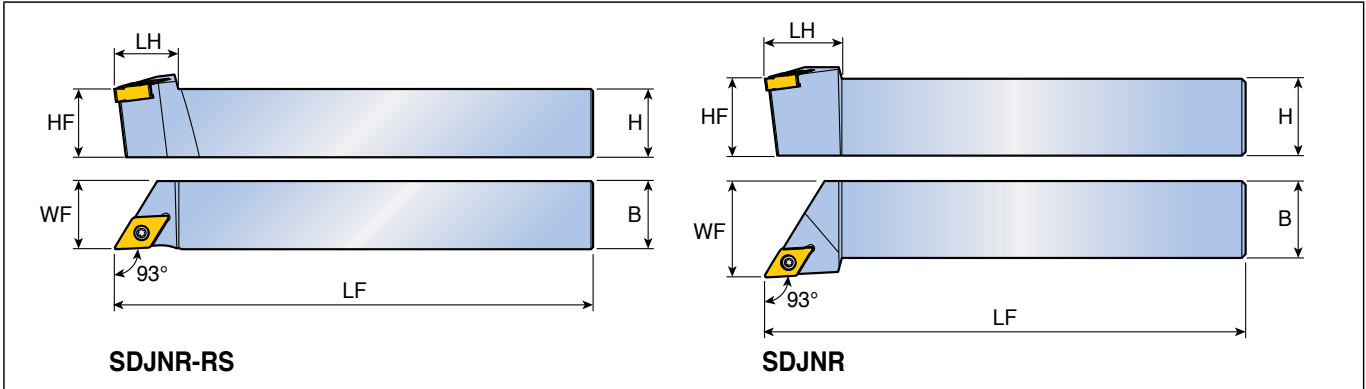
### Spare parts

Designation	Screw	Wrench			
...0703...	TS 25D060/HG-P	T 7P			

## SDJNR/L-RS SDJNR/L



### Screw type holders



Approach angle	Designation	Dimension (mm)						Insert
		H	HF	B	LF	LH	WF	
93°	<b>SDJNR/L 1212 K0803-RS</b>	12	12	12	125	15	12	DN...X 0803...
	<b>1616 K0803-RS</b>	16	16	16	125	15	16	
93°	<b>SDJNR/L 1616 H0803</b>	16	16	16	100	16	20	
	<b>2020 K0803</b>	20	20	20	125	20	25	

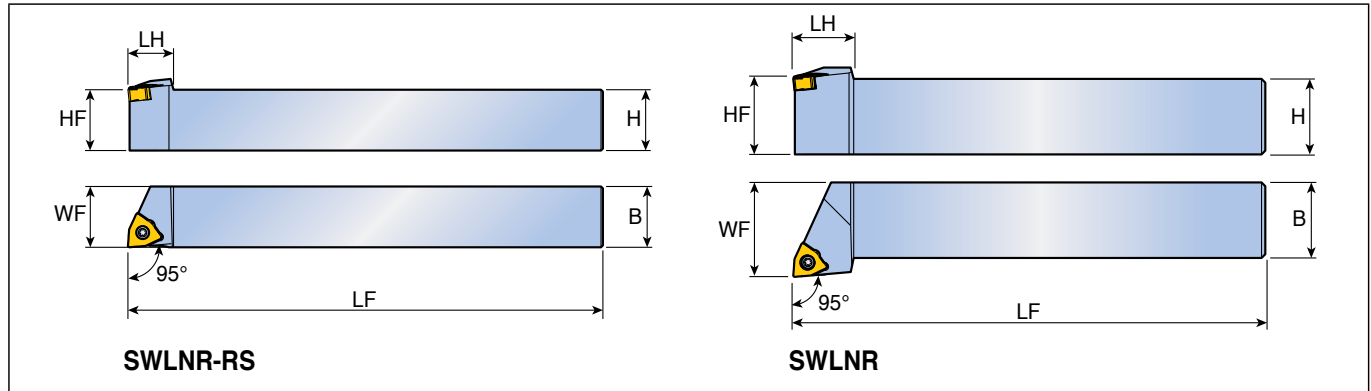
### Spare parts

Designation	Screw	Wrench			
<b>...0803...</b>	TS 25D060/HG-P	T 7P			

## SWLNR/L-RS SWLNR/L



### Screw type holders



Approach angle	Designation	Dimension (mm)						Insert
		H	HF	B	LF	LH	WF	
95°	<b>SWLNR/L 1212 K0403-RS</b>	12	12	12	125	12	12	WNMX 0403...
	<b>1616 K0403-RS</b>	16	16	16	125	12	16	
95°	<b>SWLNR/L 1616 H0403</b>	16	16	16	100	16	20	
	<b>2020 K0403</b>	20	20	20	125	16	25	

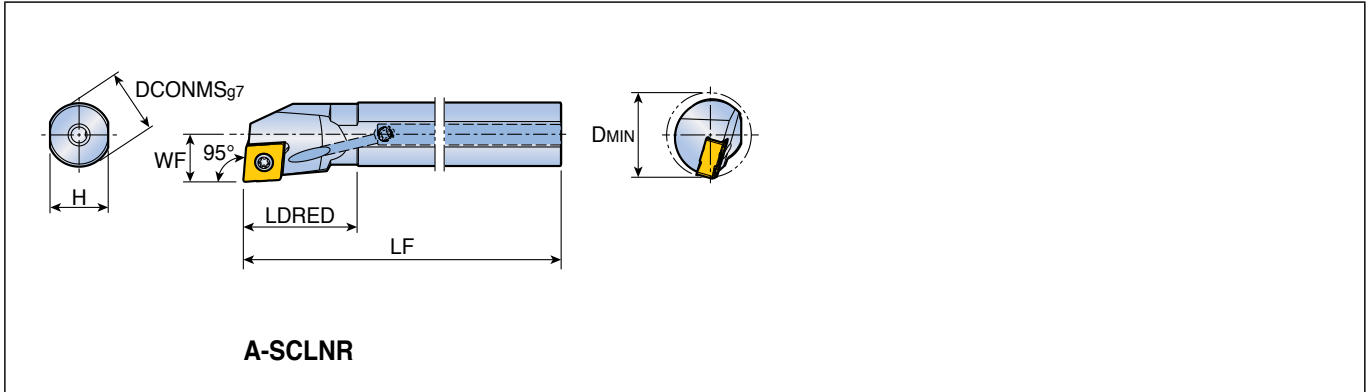
### Spare parts

Designation	Screw	Wrench			
...0403...	TS 25D060/HG-P	T 7P			

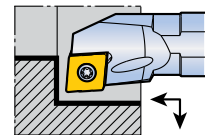
## A-SCLNR/L



### Screw type boring bars



Approach angle	Designation	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	<b>A12M SCLNR/L 0703</b>	12	11	150	21.5	9	16	CNMX 0703...
	<b>A16Q SCLNR/L 0703</b>	16	15	180	24.5	11	20	



### Spare parts

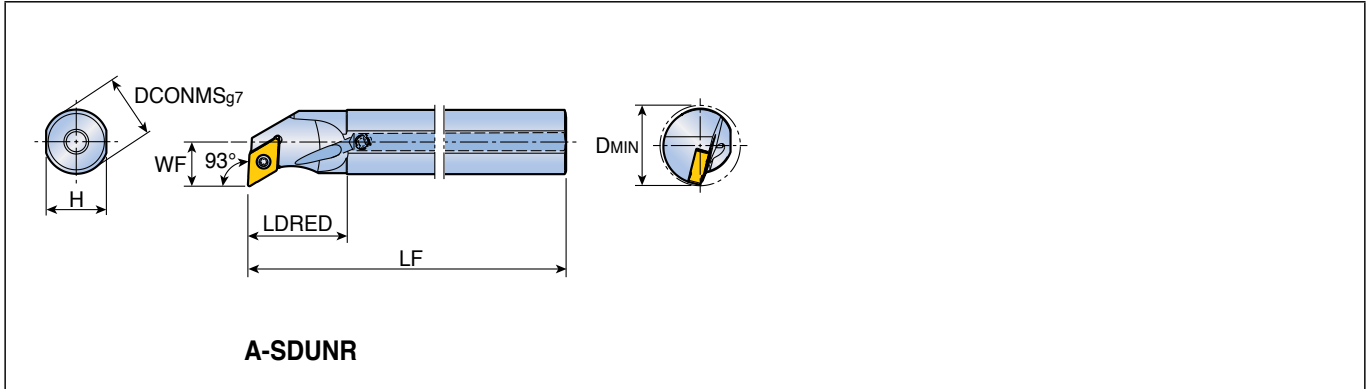
Designation	Screw	Wrench			
<b>...0703</b>	TS 25D060/HG-P	T 7P			



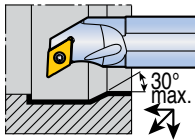
## A-SDUNR/L



### Screw type boring bars



Approach angle	Designation	Dimension (mm)						Insert	
		DCONMS	H	LF	LDRED	WF	DMIN		
<b>93°</b>	<b>A12M SDUNR/L 0803</b>	12	11	150	21.5	9	16	DN...X 0803...	
	<b>A16Q SDUNR/L 0803</b>	16	15	180	24.5	11	20		



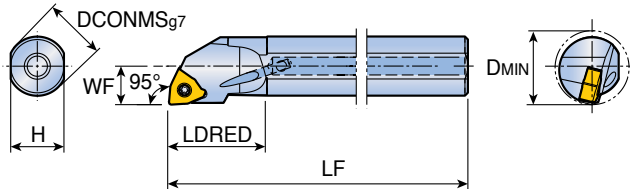
### Spare parts

Designation	Screw	Wrench			
<b>...0803</b>	TS 25D060/HG-P	T 7P			



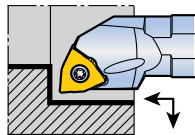
## A-SWLN/L

### Screw type boring bars



A-SWLN

Approach angle	Designation	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	DMIN	
95°	<b>A12M SWLN/L 0403</b>	12	11	150	21.5	9	16	WNMX 0403...
	<b>A16Q SWLN/L 0403</b>	16	15	180	24.5	11	20	



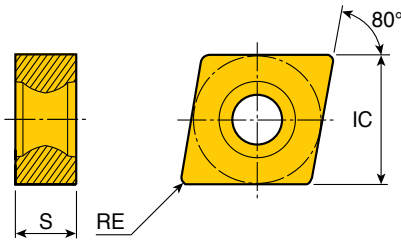
### Spare parts

Designation	Screw	Wrench			
...0403	TS 25D060/HG-P	T 7P			



## CNMX

### Negative 80° rhombic inserts



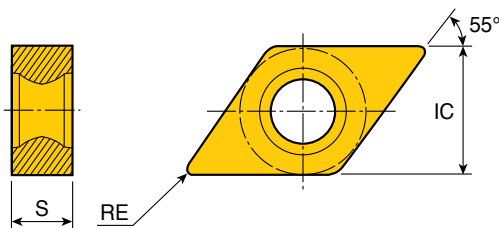
Size	Dimension (mm)		
	IC	S	RE
<b>07</b>	7	3.18	0.4

Insert	Designation	ap (mm)	Feed (mm/rev)	Cermet		CVD coated								PVD coated						
				PV3010	CT3000	TT7005	TT7015	TT8105	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT7100	TT5080	TT8020	TT9020	TT9080
	<b>CNMX 070304 FGP</b>	0.3-2.0	0.05-0.25	●					●	●							●			

●: Standard items

## DNGX/DNMX

### Negative 55° rhombic inserts



Size	Dimension (mm)		
	IC	S	RE
<b>08</b>	7	3.18	0.2-0.4

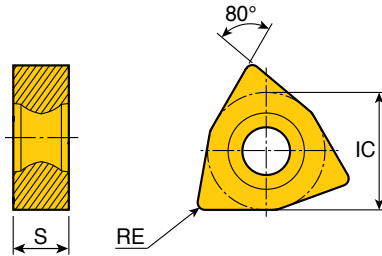
Insert	Designation	ap (mm)	Feed (mm/rev)	Cermet		CVD coated								PVD coated						
				PV3010	CT3000	TT7005	TT7015	TT8105	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT7100	TT5080	TT8020	TT9020	TT9080
	<b>DNGX 080302M SM-F</b>	0.2-1.2	0.02-0.12																●	
	<b>DNMX 080304 FGP</b>	0.3-2.0	0.05-0.25	●					●	●								●		

●: Standard items

## WNMX



### Negative 80° trigon inserts



Size	Dimension (mm)		
	IC	S	RE
<b>04</b>	7	3.18	0.4

Insert	Designation	ap (mm)	Feed (mm/rev)	Cermet		CVD coated								PVD coated					
				PV3010	CT3000	TT7005	TT7015	TT8105	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT7100	TT5080	TT8020	TT9020
	<b>WNMX 040304 FGP</b>	0.3-2.0	0.05-0.25	•					•	•							•		

•: Standard items

## KIT COLLECTIONS

These kit products are available in the format listed below.



Cat. No.	Designation	Bill of materials	Qty.
6334746	<b>KISFT-A16Q S-CN0703 FGP</b>	A16Q SCLNR 0703	1
		CNMX 070304 FGP TT8115	3
6334747	<b>KISFT-A16Q S-DN0803 FGP</b>	A16Q SDUNR 0803	1
		DNMX 080304 FGP TT8115	3
6334748	<b>KISFT-A16Q S-WN0403 FGP</b>	A16Q SWLNR 0403	1
		WNMX 040304 FGP TT8115	3



Cat. No.	Designation	Bill of materials	Qty.
6334759	<b>KISFS-A16Q S-CN0703 FGP</b>	A16Q SCLNR 0703	1
		CNMX 070304 FGP TT8115	30
6334760	<b>KISFS-A16Q S-DN0803 FGP</b>	A16Q SDUNR 0803	1
		DNMX 080304 FGP TT8115	30
6334761	<b>KISFS-A16Q S-WN0403 FGP</b>	A16Q SWLNR 0403	1
		WNMX 040304 FGP TT8115	30



Cat. No.	Designation	Bill of materials	Qty.
6338381	<b>KISFF-A-C070304FGP TT8115</b>	CNMX 070304 FGP TT8115	100
6338382	<b>KISFF-B-C070304FGP TT8115</b>		300
6338383	<b>KISFF-C-C070304FGP TT8115</b>		500
6338384	<b>KISFF-A-D080304FGP TT8115</b>	DNMX 080304 FGP TT8115	100
6338385	<b>KISFF-B-D080304FGP TT8115</b>		300
6338386	<b>KISFF-C-D080304FGP TT8115</b>		500
6338387	<b>KISFF-A-W040304FGP TT8115</b>	WNMX 040304 FGP TT8115	100
6338388	<b>KISFF-B-W040304FGP TT8115</b>		300
6338389	<b>KISFF-C-W040304FGP TT8115</b>		500