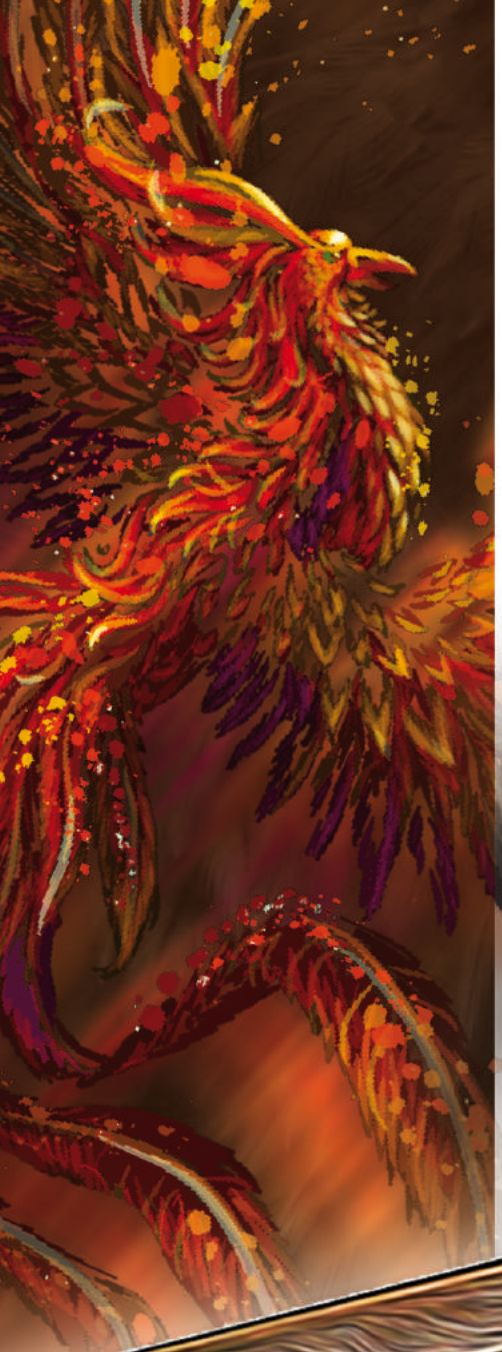
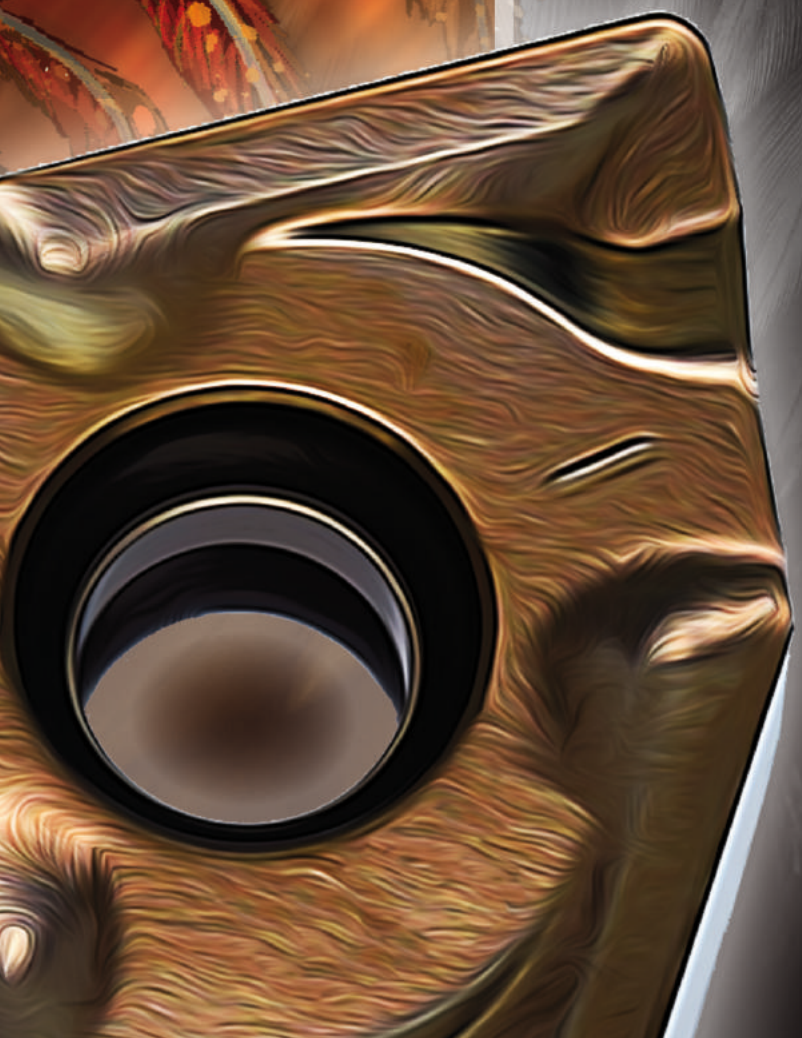
Fen-X-Tec



Adaptive Machining

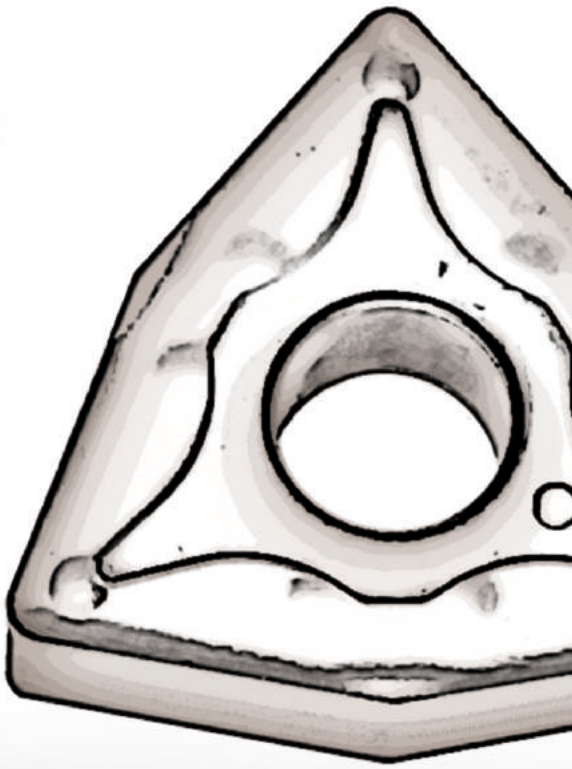


Highly optimized geometry desing, substrate selection and coating aplication, for adpative and responsive machining, providing outstanding performance in milling and turning applications.

Fen-X-Tec

Beyond Perfection

NEW Turning Products



Fen-X-Tec

Turning

TMS4015

Finish/Semi-Finish

TMS4025

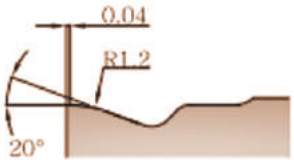
Semi-Finish/Roughing

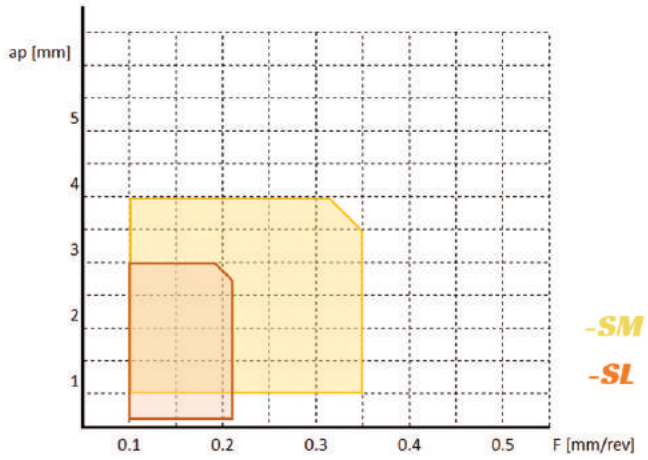
TMS4035

Roughing

-SL

-SM

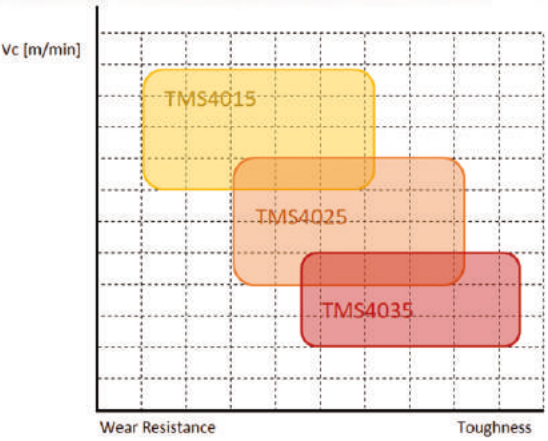




Fen-X-Tec PVD coated grade, extremely high temperature resistant providing outstanding results in super alloys, stainless steel, duplex, super duplex and titanium alloys.
Great geometry design and cutting edge preparation for medium-load machining providing, supreme edge strength (-SM), and finishing applications, promoting high stability, low vibrations and smal cutting force to avoid part deformation.

Adaptive

TMS40 Series



***TMS4015** – Excellent wear and oxidation resistance. Suitable for stable machining at high-speed conditions*

***TMS4025** – High Temperature wear and resistance. Suitable for finishing and medium cutting applications.*

***TMS4035** – Stregth and Toughness. Suitable for unstable working conditions and interrupted cutting*

CN--

Product Code	TMS4015	TMS4025	TMS4035
CNMG120404-SL	●		
CNMG120408-SL	●	●	
CNMG120404-SM	●	●	●
CNMG120408-SM	●	●	●
CNMG120412-SM	●	●	●

DN--

Product Code	TMS4015	TMS4025	TMS4035
DNMG150604-SL	●		
DNMG150608-SL	●	●	
DNMG150608-SM	●	●	●
DNMG150612-SM	●	●	●

SN--

Product Code	TMS4015	TMS4025	TMS4035
SNMG120404-SM	●	●	
SNMG120408-SM	●	●	●
SNMG120412-SM	●	●	●

WN--

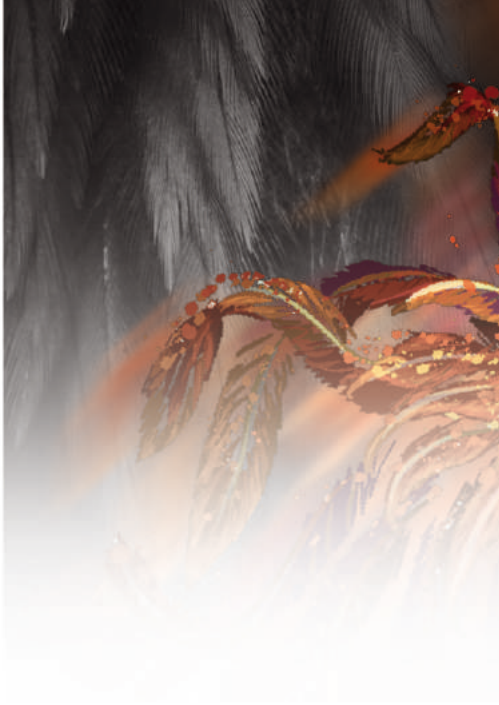
Product Code	TMS4015	TMS4025	TMS4035
WNMG080404-SL	●		
WNMG080408-SL	●	●	
WNMG080408-SM	●	●	●
WNMG080412-SM	●	●	●

VN--

Product Code	TMS4015	TMS4025	TMS4035
VNMG160404-SL	●		
VNMG160408-SL	●	●	
VNMG160408-SM	●	●	

Machining

Fen-X-Tec

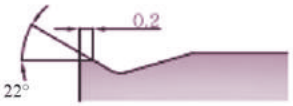


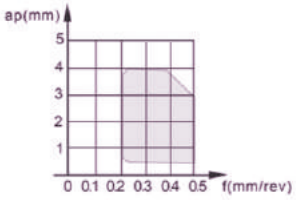
Turning

TG4535

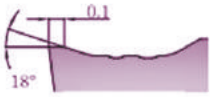
Finishing/Medium/Roughing

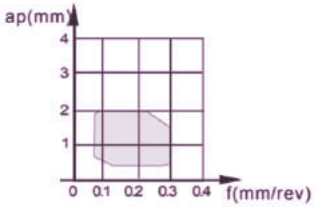
Negative -EM



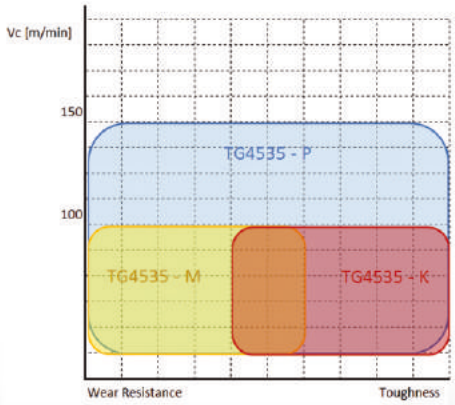


Positive -Standard





Micrograin AlTiN-PVD coated greade with extreame heat resistance providing outstanding perfromance in intrrupted machining in low-medium cutting speeds in ALL material groups



TG4535 - Multi-material grade, with micrograin substrate for wear resistance, fracture resistance and corrosion resistance.

Adaptive

TG45 Series

Negative

CN--

Product Code	TG4535
CNMG120404-EM	●
CNMG120408-EM	●
CNMG120412-EM	●

DN--

Product Code	TG4535
DNMG150404-EM	●
DNMG150408-EM	●
DNMG150412-EM	●
DNMG150604-EM	●
DNMG150608-EM	●
DNMG1506012-EM	●

SN--

Product Code	TG4535
SNMG120404-EM	●
SNMG120408-EM	●
SNMG120412-EM	●

TN--

Product Code	TG4535
TNMG160404-EM	●
TNMG160408-EM	●
TNMG160412-EM	●
TNMG220408-EM	●
TNMG220412-EM	●

VN--

Product Code	TG4535
VNMG160404-EM	●
VNMG160408-EM	●

WN--

Product Code	TG4535
WNMG080404-EM	●
WNMG080408-EM	●
WNMG080412-EM	●

Positive - 7 degrees

CCMT

Product Code	TG4535
CCMT060204	●
CCMT060208	●
CCMT09T304	●
CCMT09T308	●
CCMT120404	●
CCMT120408	●

DCMT

Product Code	TG4535
DCMT070204	●
DCMT11T304	●
DCMT11T308	●

VCMT

Product Code	TG4535
VCMT110304	●
VCMT160404	●
VCMT160408	●

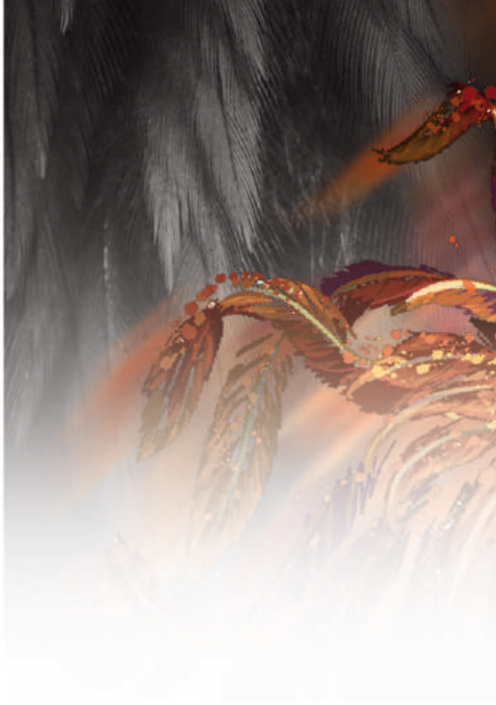
TCMT

Product Code	TG4535
TCMT110202	●
TCMT110204	●
TCMT110208	●
TCMT16T304	●
TCMT16T308	●

Machining

Fen-X-Tec

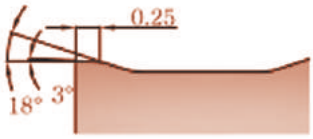
Turning



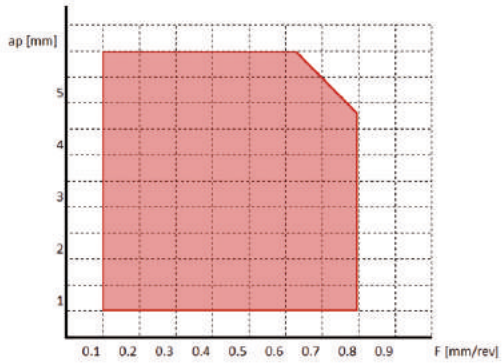
TK910

Finishing/Medium/Roughing

-WMV



CVD-Coated Grade with optimized wiper geometry for general steel, alloy steel and cast iron applications. Suitable for performing under extreamly high feed rates.



TK910 - High wear resistance fine grain substrate with thick Al2O3 coating which provides supreme wear resitance and edge toughess

Adaptive

TK-Wiper Series

CN--

Product Code	TK910
CNMG120408-WMV	●
CNMG120412-WMV	●

DN--

Product Code	TK910
DNMX150608-WMV	●
DNMX150612-WMV	●

TN--

Product Code	TK910
TNMX160408-WMV	●
TNMX160412-WMV	●

WN--

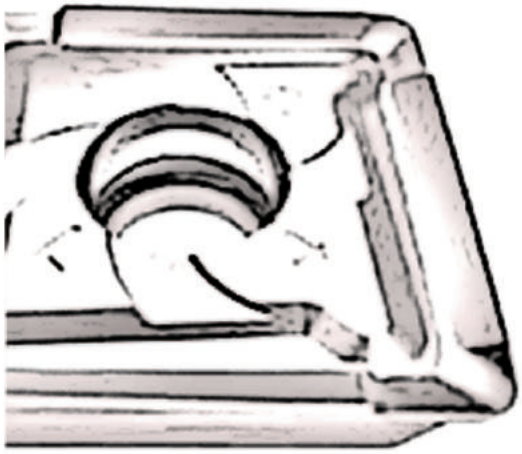
Product Code	TK910
WNMG080408-WMV	●
WNMG080412-WMV	●

Machining

Fen-X-Tec

Beyond Performance

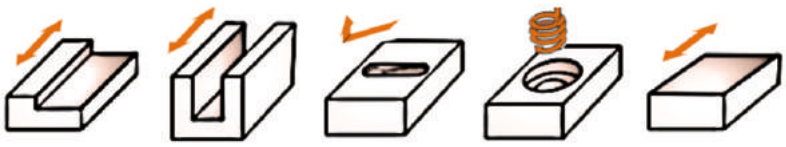
NEW Milling Products



Fen-X-Tec

Milling

Extreme performance shoulder milling



-ML

Light cutting of low cutting force, good processing quality

-GM

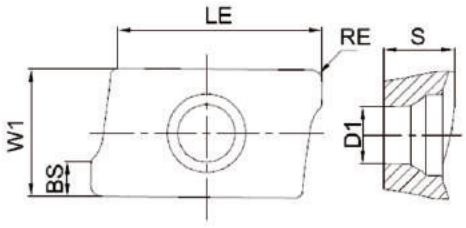
High stability machining general application chip breaker

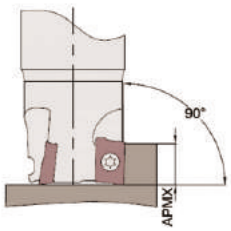
-MR

Roughing orientated chip breaker with high edge stability and strength

Adaptive

BPKX Series





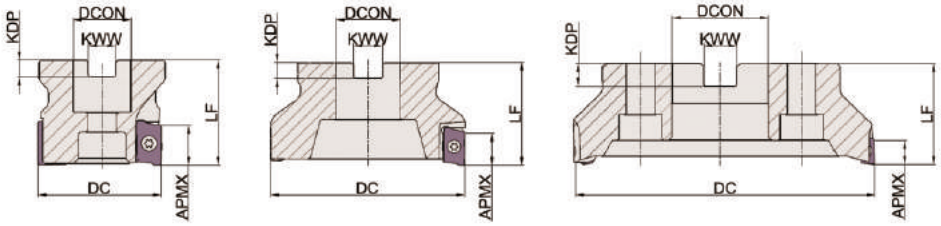
Product Code	Dimensions [mm]							Grades			
	LE	W1	S	BS	D1	RE	Max Ap	TG4225	TG4230	TM4240	TS4230
BPKX103504R-ML	10.5	7.0	3.5	2.0	3.2	0.4	9.0		●	●	●
BPKX103508R-ML	10.5	7.0	3.5	2.0	3.2	0.8	9.0	●	●	●	●
BPKX103504R-GM	10.5	7.0	3.5	2.0	3.2	0.4	9.0	●	●	●	●
BPKX103508R-GM	10.5	7.0	3.5	2.0	3.2	0.8	9.0	●	●	●	●
BPKX103516R-GM	10.5	7.0	3.5	2.0	3.2	1.6	9.0			●	●
BPKX103532R-GM	10.5	7.0	3.5	2.0	3.2	3.2	9.0	●	●	●	●
BPKX150408R-GM	15.5	9.4	5.2	2.6	4.2	0.8	14.0	●	●	●	●
BPKX150412R-GM	15.5	9.4	5.2	2.6	4.2	1.2	14.0	●	●	●	
BPKX150416R-GM	15.5	9.4	5.2	2.6	4.2	1.6	14.0	●	●	●	●
BPKX150432R-GM	15.5	9.4	5.2	2.6	4.2	3.2	14.0	●	●	●	
BPKX103516R-MR	10.5	7.0	3.5	2.0	3.2	1.6	9.0	●	●		
BPKX150416R-MR	15.5	9.4	5.2	2.6	4.2	1.6	14.0		●		

Machining

Fen-X-Tec

Milling

Arbor (Shell) Miling Cutters



Product Code	Dimensions [mm]						Max Ap	Insert	Coolant
	Dc	Z	DCON	LF	KWW	KDP			
TBPE90-40R05BP10M16	40	5	16	40	8.4	5.6	9.0	BPKX1035	●
TBPE90-50R07BP10M22	50	7	22	40	10.4	6.3	9.0		●
TBPE90-63R07BP10M22	63	7	22	40	10.4	6.3	9.0		
TBPE90-80R08BP10M27	80	8	27	50	12.4	7.0	9.0		●
TBPE90-100R12BP10M32	100	12	32	63	14.4	8.0	9.0		●
TBPE90-125R11BP10M40	125	11	40	63	16.4	9.0	9.0		
TBPE90-50R04BP15M22	50	4	22	40	10.4	6.3	14.0	BPKX1504	●
TBPE90-63R05BP15M22	63	5	22	40	10.4	6.3	14.0		●
TBPE90-80R07BP15M27	80	7	27	50	12.4	7.0	14.0		●
TBPE90-100R08BP15M32	100	8	32	50	14.4	8.0	14.0		●
TBPE90-125R06BP15M40	125	6	40	63	16.4	9.0	14.0		
TBPE90-125R09BP15M40	125	9	40	63	16.4	9.0	14.0		
TBPE90-160R10BP15M40	160	10	40	63	16.4	9.0	14.0		
TBPE90-200R12BP15M60	200	12	60	63	25.7	13.0	14.0		

SI60-M3.0x7.2-04210

TT09P

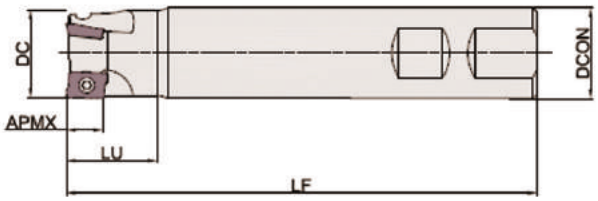
SI60-M3.5x8.0-05314

TT15P

Adaptive

BPKX Series

End Mills



Product Code	Dimensions [mm]					Max Ap	Insert	Coolant
	Dc	Z	DCON	LF	LU			
TBPF90-16R02BP10M16-130L	16	2	16	130	25	9	BPKX1035	
TBPF90-16R02BP10M16-200L	16	2	16	200	50	9		
TBPF90-20R02BP10M20-130L	20	2	20	130	25	9		
TBPF90-20R03BP10M20-130L	20	3	20	130	25	9		●
TBPF90-20R03BP10M20-200L	20	3	20	200	85	9		●
TBPF90-25R03BP10M25-130L	25	3	25	130	28	9		●
TBPF90-25R03BP10M25-200L	25	3	25	200	89	9		
TBPF90-25R04BP10M25-130L	25	4	25	130	28	9		●
TBPF90-32R04BP10M32-130L	32	4	32	130	30	9		●
TBPF90-32R04BP10M32-200L	32	4	32	200	90	9		●
TBPF90-25R02BP15M25-130L	25	2	25	130	45	14	BPKX1504	●
TBPF90-25R02BP15M25-200L	25	2	25	200	83	14		●
TBPF90-32R03BP15M32-130L	32	3	32	130	40	14		●
TBPF90-32R03BP15M32-200L	32	3	32	200	54	14		●
TBPF90-40R03BP15M32-150L	40	3	32	150	45	14		●

SI60-M3.0x7.2-04210

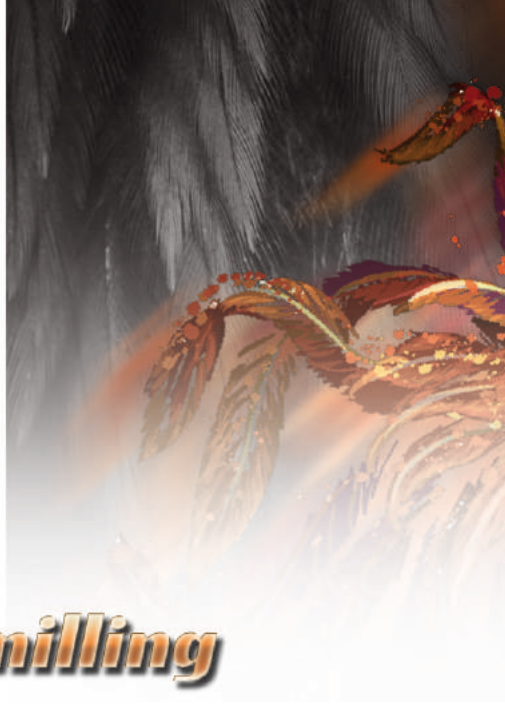
TT09P

SI60-M3.5x8.0-05314

TT15P

Machining

Fen-X-Tec

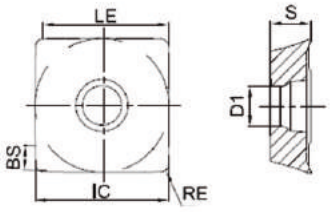


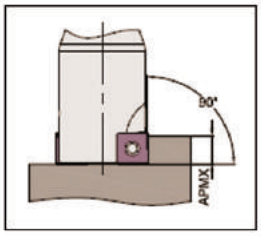
Milling

4-Edges positive shoulder milling

-ML -GM

High stability machining with optimized chip-breaker for most milling applications



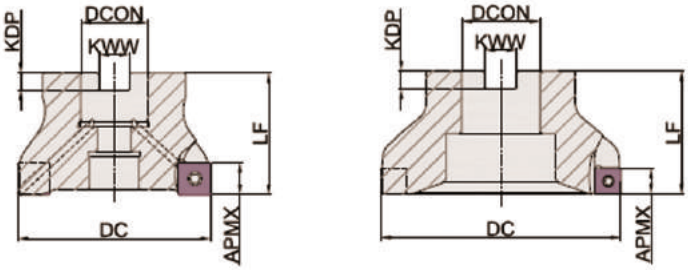


Product Code	Dimensions [mm]							Grades			
	LE	IC	S	BS	D1	RE	Max Ap	TG4225	TG4230	TM4240	TS4230
SDKT14T3PEER-ML	13.12	13.92	3.96	2.5	4.1	0.8	10	●	●	●	●
SDKT14T3PEER-GM	13.12	13.92	3.96	2.5	4.1	0.8	10	●	●	●	●

Adaptive

SDKT Series

Arbor (Shell) Miling Cutters



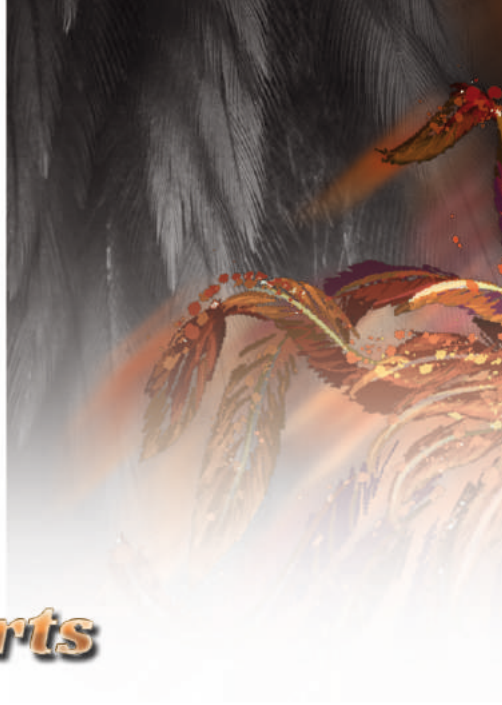
Product Code	Dimensions [mm]						Max Ap	Insert	Coolant
	Dc	Z	DCON	LF	KWW	KDP			
TSDE90-50R04SD14M22	50	4	22	40	10.4	6.3	10.0	SDKT14T3	●
TSDE90-63R05SD14M22	63	5	22	40	10.4	6.3	10.0		●
TSDE90-80R06SD14M27	80	6	27	50	12.4	7.0	10.0		●
TSDE90-100R07SD14M32	100	7	32	50	14.4	8.0	10.0		
TSDE90-125R08SD14M40	125	8	40	63	16.4	9.0	10.0		
TSDE90-200R10SD14M60	200	10	60	63	25.7	14.0	10.0		

 ***SI60-M3.5x10.0-05018I***

 ***T15P***

Machining

Fen-X-Tec



Milling

6-Edges super positive inserts

-GM

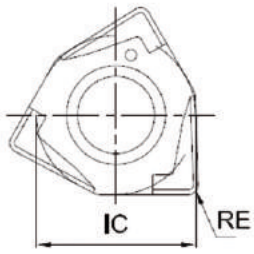
Optimized chip-breaker for general applications in a wide range of materials

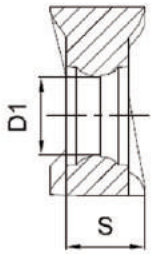
TR-CE

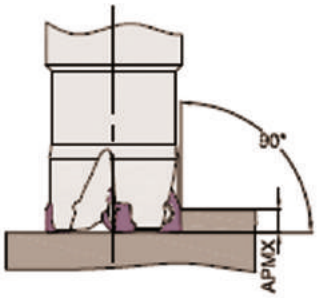
High positive geometry intended for difficult to machine materials such as super alloys and stainless steel

Adaptive

XNGX Series







Product Code	Dimensions [mm]					Grades				
	IC	D1	S	RE	Max Ap	TG4225	TG4230	TM4240	TS4230	KX4435
XNGX040304-GM	6.7	3.25	3.3	0.4	4	●	●	●	●	
XNGX040308-GM	6.7	3.25	3.3	0.8	7.5	●	●	●	●	
XNGX080608-GM	12.5	4.6	6.45	0.8	7.5	●	●	●	●	
XNGX090608TR-CE	13.5	4.6	6.45	0.8	9					●

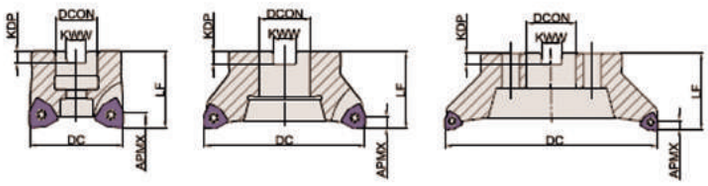
Ruthenium

Machining

Fen-X-Tec

Milling

Arbor (Shell) Miling Cutters

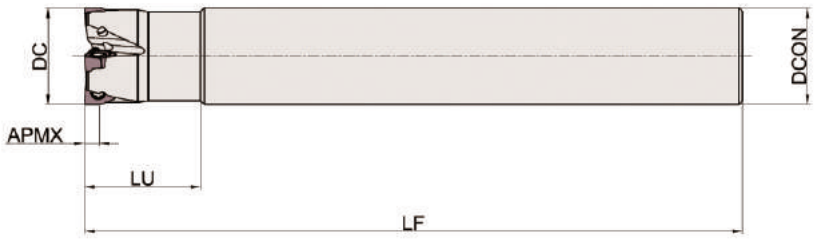


Product Code	Dimensions [mm]						Max Ap	Insert	Coolant
	Dc	Z	DCON	LF	KWW	KDP			
TXNE90-40R06XN04M16	40	6	16	40	8.4	5.6	4.0	XNGX04	●
TXNE90-50R04XN08M22	50	4	22	40	10.4	6.3	7.5	XNGX0806	●
TXNE90-50R05XN08M22	50	5	22	40	10.4	6.3	7.5		●
TXNE90-63R06XN08M22	63	6	22	40	10.4	6.3	7.5		●
TXNE90-80R07XN08M27	80	7	27	50	12.4	7.0	7.5		●
TXNE90-100R08XN08M32	100	8	32	50	14.4	8.0	7.5		
TXNE90-125R11XN08M40	125	11	40	63	16.4	9.0	7.5		
TXNE90-160R12XN08M40	160	12	40	63	16.4	9.0	7.5		
TXNE90-200R16XN08M60	200	16	60	63	25.7	14.0	7.5		
TXNE90-50R04XN09M22	50	4	22	40	10.4	6.3	9.0	XNGX0906	●
TXNE90-63R05XN09M22	63	5	22	40	10.4	6.3	9.0		●
TXNE90-80R06XN09M27	80	6	27	50	12.4	7.0	9.0		●
TXNE90-100R07XN09M32	100	7	32	50	14.4	8.0	9.0		●
TXNE90-125R08XN09M40	125	8	40	63	16.4	9.0	9.0		●

Adaptive

XNGX Series

End Mills



Product Code	Dimensions [mm]					Max Ap	Insert	Coolant
	Dc	Z	DCON	LF	LU			
TXNF90-20R03XN04M20-150L	20	3	20	150	30	4.0	XNGX0403	●
TXNF90-25R04XN04M25-170L	25	4	25	170	30	4.0		●
TXNF90-32R05XN04M32-195L	32	5	32	195	30	4.0		●
TXNF90-35R05XN04M32-195L	35	5	32	195	30	4.0		●
TXNF90-40R06XN04M32-195L	40	6	32	195	30	4.0		●
TXNF90-40R03XN08M32-160L	40	3	32	160	60.2	7.0	XNGX08	

XN04
SI60-M2.5x6.5-03610L

XN08 / XN09
SI60-M4.0x10-05510L

XN04
TI07P

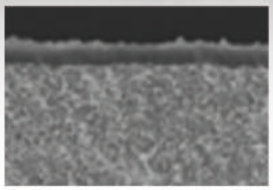
XN08 /XN09
TI15P

Machining

Fen-X-Tec

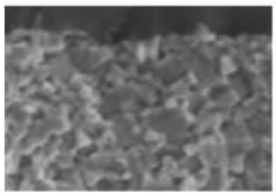
Turning

TMS4015



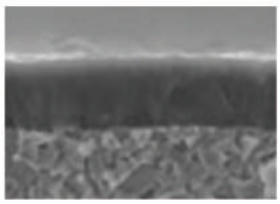
PVD TiAlN ultra wear resistant with and anti-oxidation layer, suitable for high-speed under stable conditions in super alloys.

TMS4025



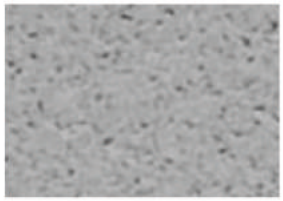
PVD TiAlN with anti oxidation layer and heat resistant bonding matrix suitable for finishing and semi-finishing of super alloys.

TMS4035



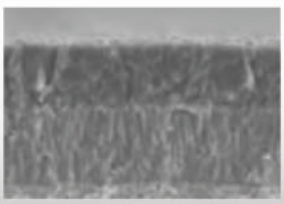
PVD TiAlN optimized for excelent toughness and strength for machining super alloys under unstable conditions.

TG4535



Upgraded PVD TiAlN substrate with a nano-grain substrate intended for general purposes, providing outstanding results under unstable machining at lower cutting speeds.

TK910



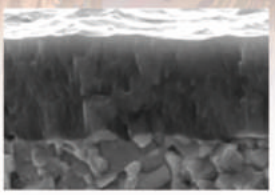
CVD Al2O3 coating together with a fine substrate, thick coating layer, and smooth post-coating treatment for high wear resistance in finishing operations for cast irons.

Adaptive

Carbide Grades

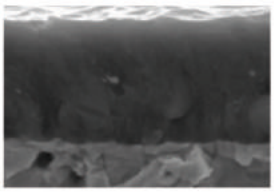
Milling

TG4225



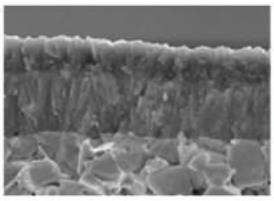
PVD AlCrN fine-grade substrate, suitable for high performance milling under medium to low cuttings speeds for machining steel and cast iron.

TM4240



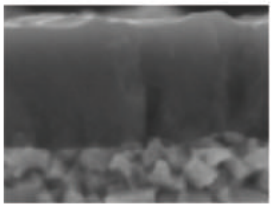
PVD TiAlN with high damage resistance and high bonding strength for stable machining while procesing under different working conditions.

TG4230



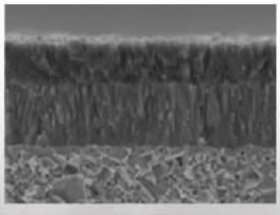
Upgraded CVD MT-TiCN+ Al2O3 coating together with a fine grane substrate provide toughness, wear resistance and therman stability while processing stainless steel and titanium alloys.

TS4230



Nano AlTiN PVD coated grade, with fine grained substrate which provides excellent wear resistance and termal stability for processing titanium and heat resistant alloys.

KX4435



CVD TiCN-Al2O3 coating matched with Ruthenium (Ru) based substrate which provides extreme thermal resistance for processing stainless steel and super alloys

Machining

Contact Details

SCAN ME