

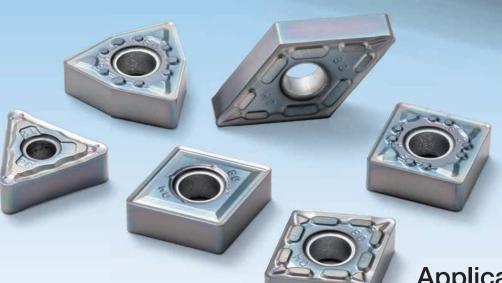
MEGACOAT NANO

PR1535

MEGACOAT NANO PR1535 for Turning

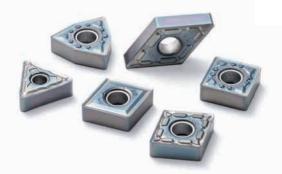
Stable machining for difficult-to-cut materials

- Most suitable for heat resistant alloy, titanium alloy and stainless steel
- Reduces sudden fracture from scaling and interrupted machining
- New, reliable and tough grade for difficult-to-cut materials (for S35/M35/P35)



Applicable to a variety of workpiece materials from steel to difficult-to-cut materials

Advancing Productivity



Stable Machining for Difficult-to-Cut Materials

For heat resistant alloy, titanium alloy and stainless steel

MEGACOAT PR153

Toughening through a new cobalt-mixing ratio.

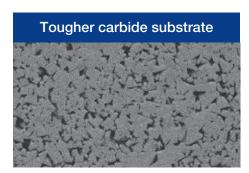
(Fracture toughness has improved by approximately 23%.*)

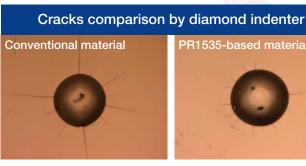
The improvement of stability is achieved through optimization and homogenization of matrix particles



- The optimization of the particles corresponds to impact's strength and instability of process. Conductivity has improved by approximately 11%.*
- Reduces fundamental causes of interstitial fracture in uniformalized tissue.

*: Our conventional material ratio







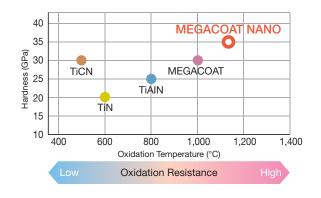
Long cracks

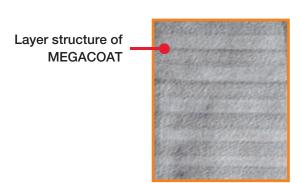
Short cracks ⇒ Improvement of impact resistance



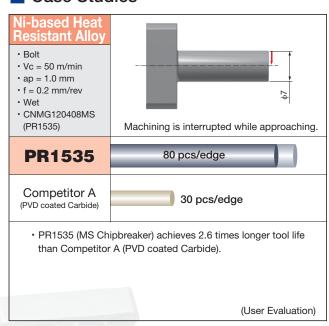
Stable turning operation and longer tool life by MEGACOAT NANO

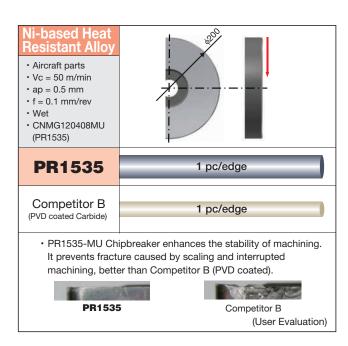
Extreme hardness (35GPa) and superior oxidation resistance (oxidation temperature at 1,150°C) prevent wear and fracture.



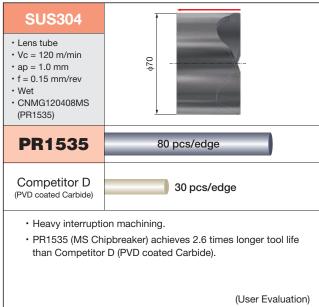


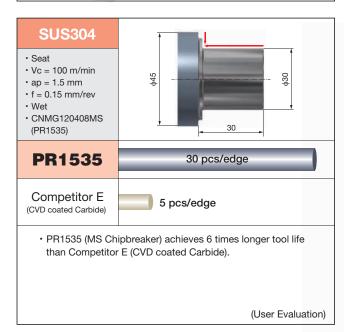
Case Studies

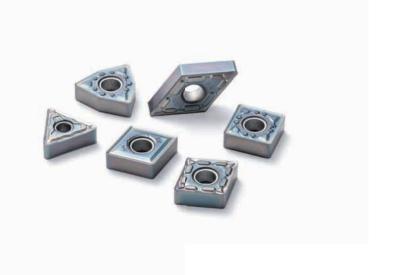












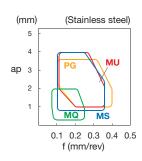
Stock Items

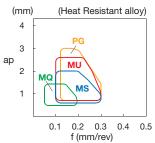
	Description	Dimension (mm)				5
Shape		I.C.	Thickness	Hole	Corner-R (rε)	PR1535
Finishing-Medium	CNMG 120404MQ 120408MQ	12.70	4.76	5.16	0.4 0.8	•
Medium-Roughing	CNMG 120404MS 120408MS 120412MS	12.70	4.76	5.16	0.4 0.8 1.2	•••
Medium-Roughing	CNMG 120404MU 120408MU 120412MU	12.70	4.76	5.16	0.4 0.8 1.2	•
Medium-Roughing	CNMG 120404PG 120408PG 120412PG	12.70	4.76	5.16	0.4 0.8 1.2	•
Finishing-Medium	DNMG 150404MQ 150408MQ	12.70	4.76	5.16	0.4 0.8	•
Medium-Roughing	DNMG 150404MS 150408MS 150412MS	12.70	4.76	5.16	0.4 0.8 1.2	•
Medium-Roughing	DNMG 150404MU 150408MU	12.70	4.76	5.16	0.4 0.8	•
Medium-Roughing	DNMG 150404PG 150408PG 150412PG	12.70	4.76	5.16	0.4 0.8 1.2	•
Medium-Roughing	SNMG 120408MS 120412MS	12.70	4.76	5.16	0.8 1.2	•

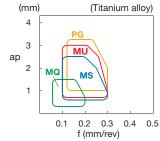
Shape	Description	Dimension (mm)				55
		I.C.	Thickness	Hole	Comer-R (rε)	PR1535
Medium-Roughing	SNMG 120408PG 120412PG	12.70	4.76	5.16	0.8 1.2	•
Finishing-Medium	TNMG 160404MQ 160408MQ	9.525	4.76	3.81	0.4 0.8	•
Medium-Roughing	TNMG 160404MS 160408MS 160412MS	9.525	4.76	3.81	0.4 0.8 1.2	•
Medium-Roughing	TNMG 160404MU 160408MU	9.525	4.76	3.81	0.4 0.8	•
Medium-Roughing	TNMG 160404PG 160408PG 160412PG	9.525	4.76	3.81	0.4 0.8 1.2	•
Finishing-Medium	WNMG 080404MQ 080408MQ	12.70	4.76	5.16	0.4 0.8	•
Medium-Roughing	WNMG 080404MS 080408MS 080412MS	12.70	4.76	5.16	0.4 0.8 1.2	•
Medium-Roughing	WNMG 080404MU 080408MU	12.70	4.76	5.16	0.4 0.8	•
Medium-Roughing	WNMG 080404PG 080408PG 080412PG	12.70	4.76	5.16	0.4 0.8 1.2	•

: Std. Item

Cutting Conditions







Workpiece Material	Cutting Speed (Vc) (m/min) MinRecommendation-Max.		
Stainless Steel	70–120–160		
Heat Resistant Alloy	40-50-60		
Titanium Alloy	40-50-60		

[Website] http://www.kyocera.com.sg/products/cuttingtools/ Search "KYOCERA Tools" on App Store & Google play





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