

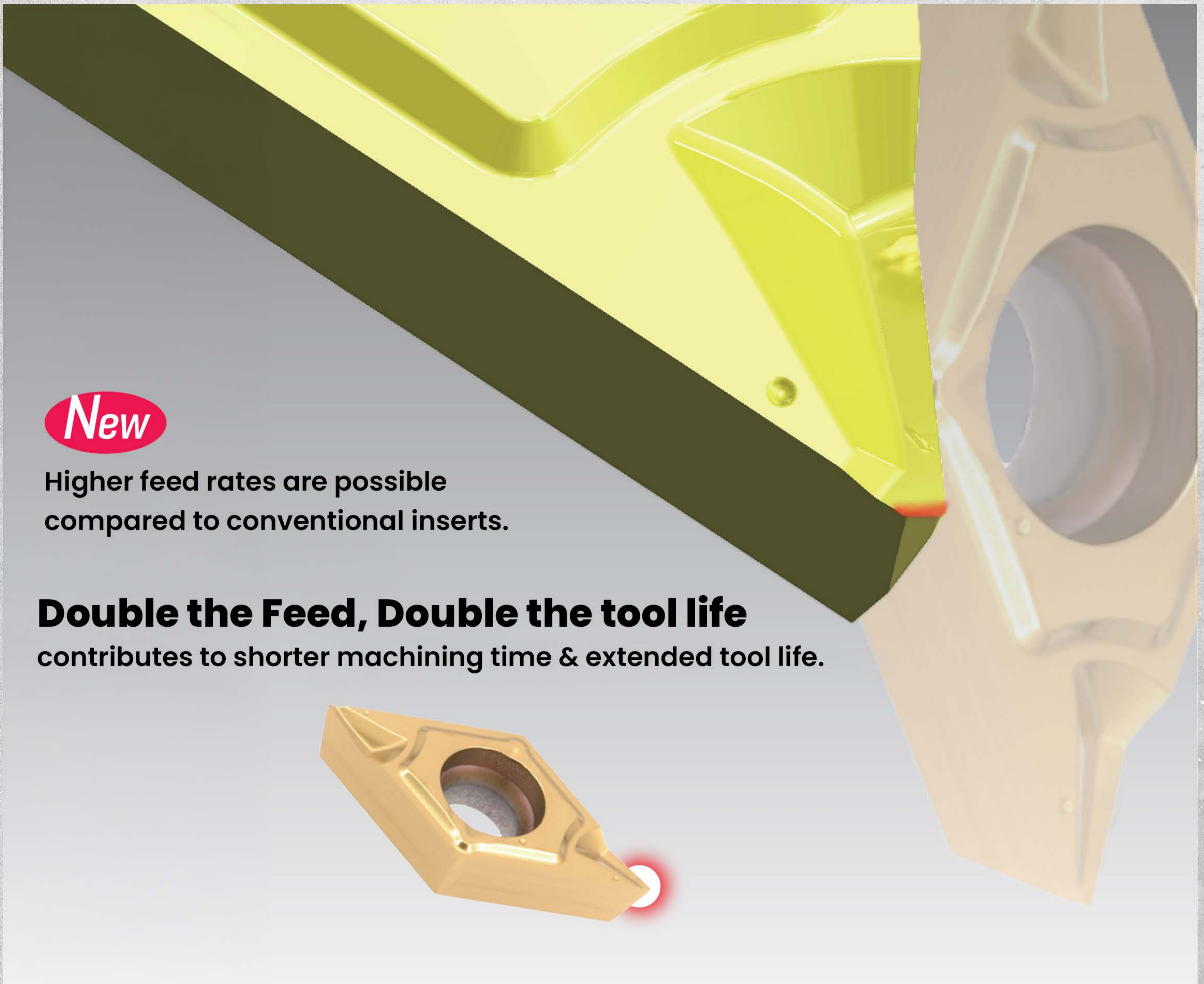
NEW PRODUCT NEWS



ISO insert with wiper

TMV-WP

For External machining | CNC automatic lathe



New

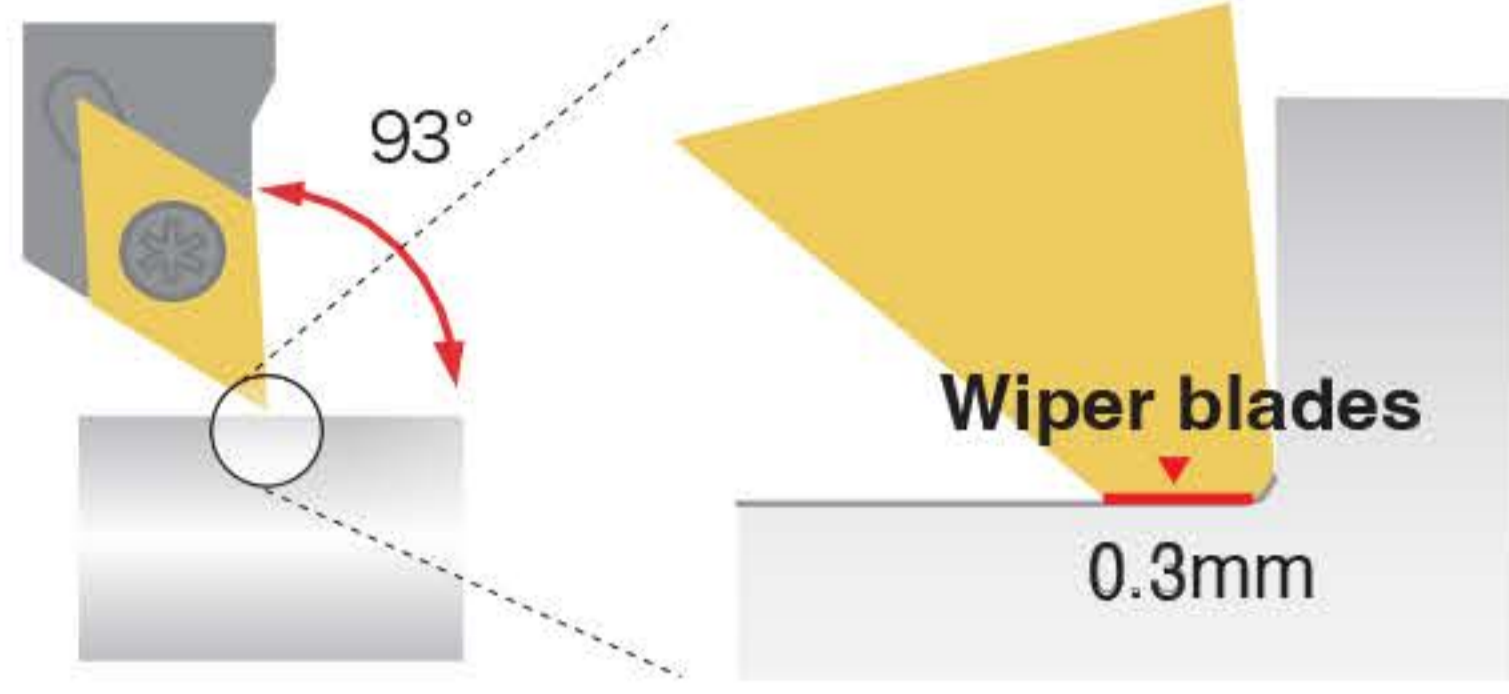
Higher feed rates are possible compared to conventional inserts.

Double the Feed, Double the tool life
contributes to shorter machining time & extended tool life.

ISO insert with wiper

Performance

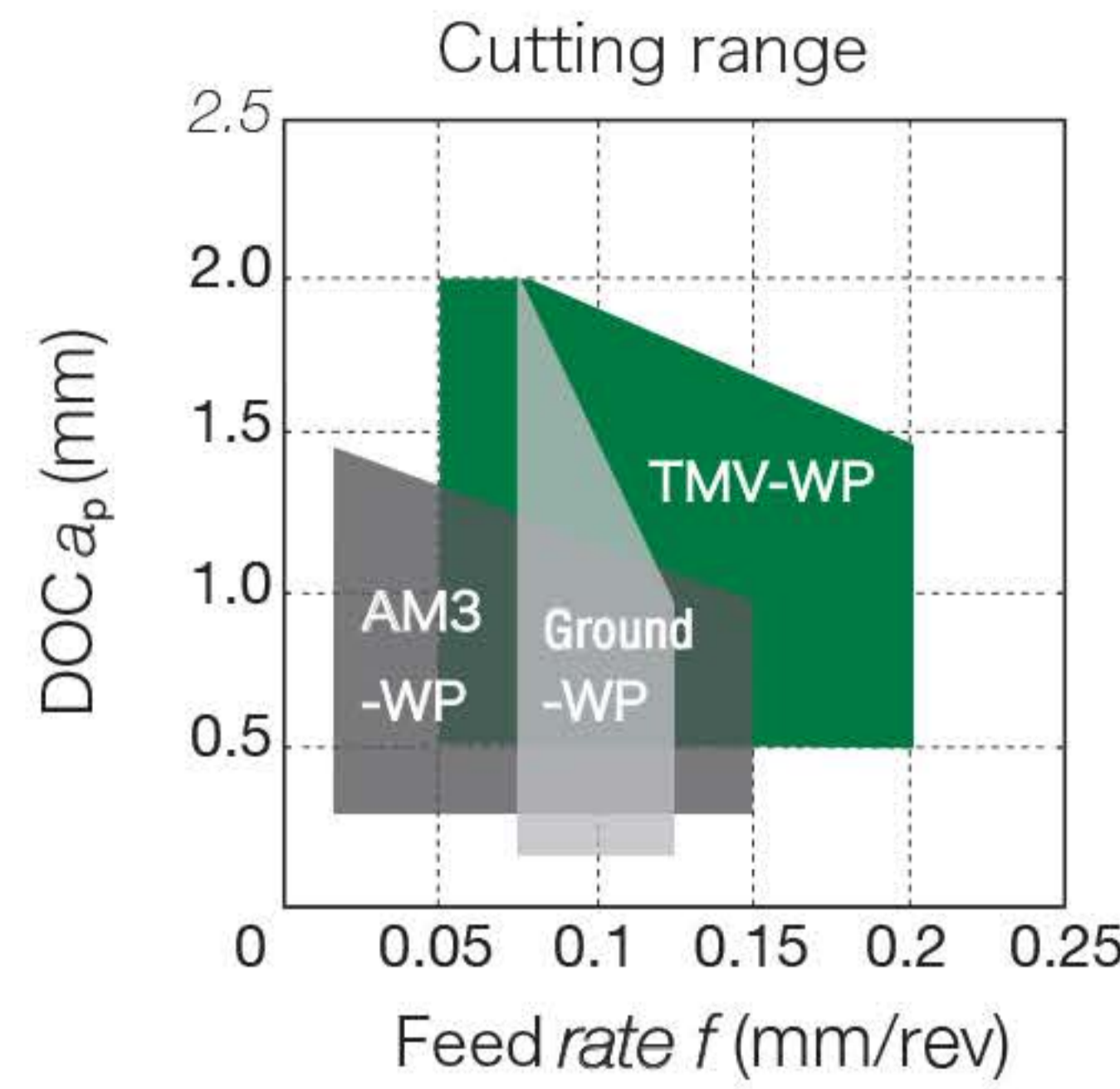
Achieves superior surface finish.
Maintains good surface finish even at high feed rate, enhancing productivity for workpieces requiring high machining accuracy.



Please use 93 degree set angle toolholder.

* The wiper function is effective when the cutting edge is parallel to the workpiece surface.

Function range



Allows for a wider cutting range, higher feed and deeper cuts.

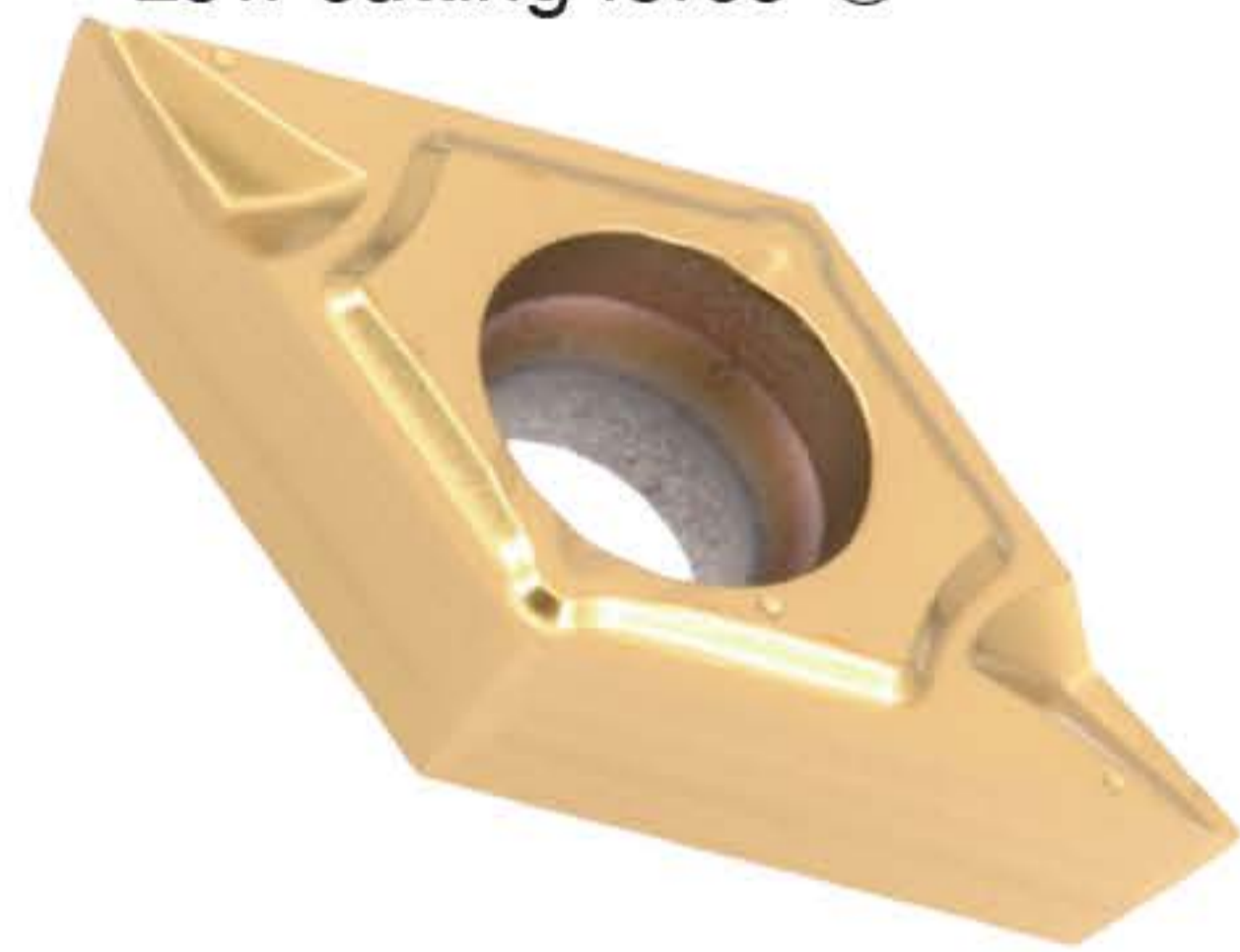
Recommendation

Conventional: Mold chipbreaker AM3-WP Toughness◎ 	Conventional: Ground - Chipbreaker S/U-WP Sharpness◎
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New 1st recommendation **TMV-WP**

Good chip control ◎
Low cutting force ◎

Chipbreaker shape suitable for high feed rates achieves excellent chip control and low cutting force.



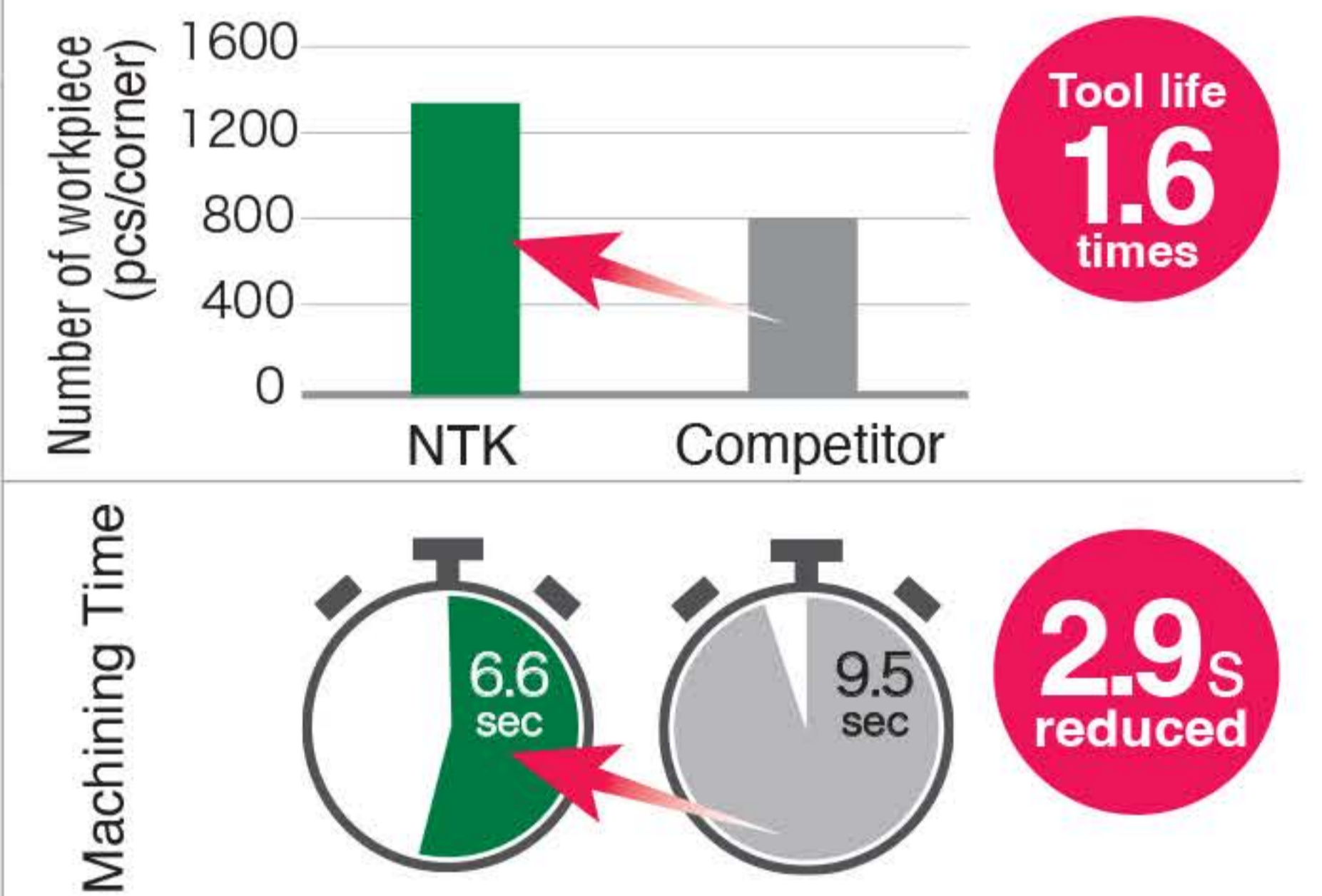
High feed rates allows
Extend tool's life + Reduce machine time



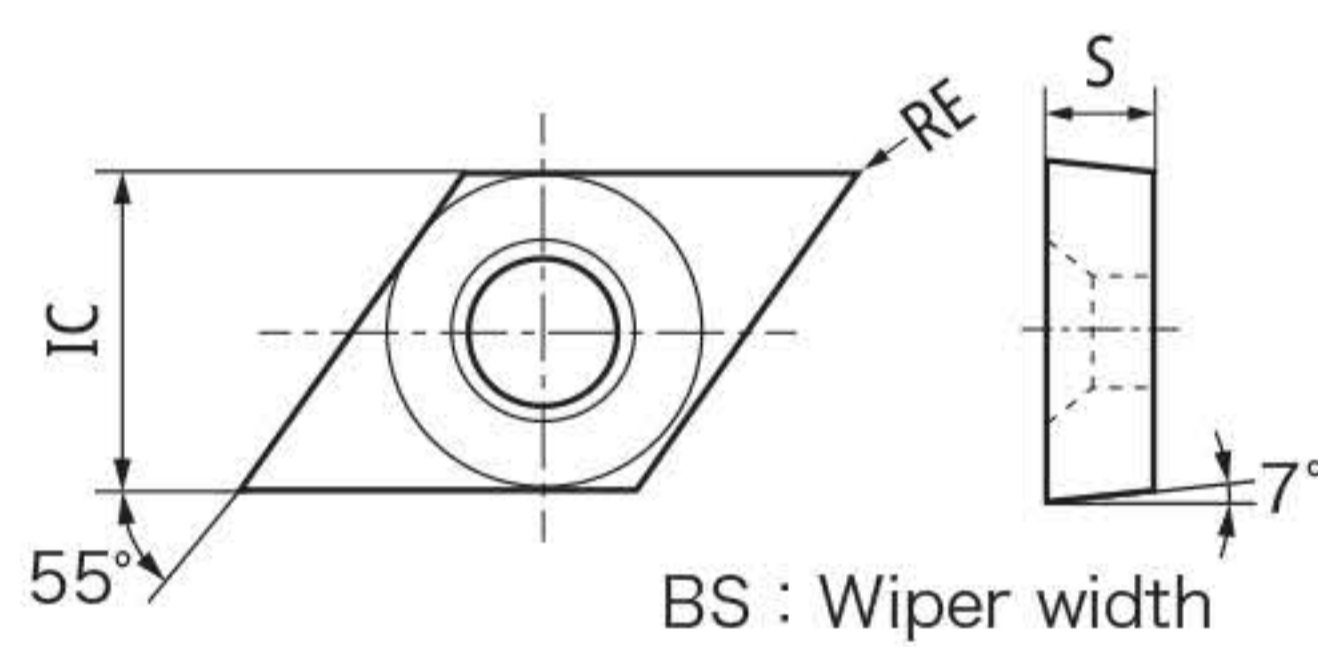
Practical example

Insert	TMV-WP
Workpiece	SUS303
Cutting speed (m/min)	77
Feed rate (mm/rev)	0.06
DOC (mm)	1.7
Coolant	WET

Results



Lineup



Recommended Grade : 1st ◆ 2nd ◆

Grade	1st	2nd	3rd	4th
P Steel	◆	◆	◆	◆
M Stainless steel	◆	◆	◆	◆
N Nonferrous metals	◆	◆	◆	◆
S Heat-resistant alloys	◆	◆	◆	◆

Shape	Item number	Dimensions				PVD Coated grade			
		IC	S	RE	BS	650	ST4	DM4	TM4
New TMV	DCGT11T301MRTMV-WP	9.525	3.97	0.08	(0.3)	●	●	○	○
	DCGT11T302MRTMV-WP			0.18		●	●	○	○

Above shows Right-handed insert

Standard item ● Made-to-order products ○

TMV Chipbreaker centerline height

Item number		Centerline height from the reference surface (Blue)		Centerline height from the reference surface (Red)
DCGT11T301MRTMV-WP		0.51		0.08
DCGT11T302MRTMV-WP		0.53		0.10

CONTACT US



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