

Success stories

Boost durability by **87.5%** for roughing and **57%** for finishing operations

Customer result: The T5415 grade delivered unmatched efficiency in critical applications. For internal roughing with interrupted cutting, it boosted durability by 87.5%, adding seven extra workpieces. In finishing operations, it increased output by 57%, achieving 33 workpieces versus 21 with standard tools.



Segment:	Metalworking and precision engineering
Application:	Internal roughing with interrupted cutting and finishing
Material:	EN-GJS-400-15
Coolant:	Yes

Dormer Pramet solution:
CNMG 160616E-KR:T5415 (for roughing) WNMG080408E-KR T5415 (for finishing)

Machining data:		
v_c	f_n	a_p
190/220	0.35/0.25	5/0.5

WMG K3.2



Success stories

Achieve **100%** more productivity

Customer result: The tool showed strong durability during the interrupted cut and delivered consistent performance in uninterrupted cuts. Overall, our customer noted a remarkable 100% increase in productivity and achieved high surface quality, demonstrating the tool's efficiency in machining automotive cast iron parts.

Increase durability by **50%** in demanding applications

Customer result: Customer noticed nearly 50% better wear resistance, completing almost three passes where the previous grade managed only two. This remarkable improvement leads to longer tool life, reduced downtime, and increased efficiency in demanding applications.

Segment:	Automotive
Application:	Interrupted cut
Material:	EN-GJS-400-15
Coolant:	No

Segment:	Producer of machines
Application:	Heavy roughing
Material:	Nodular cast iron
Coolant:	No

Dormer Pramet solution:		
WNMG 080408E-KR:T5415		
Machining data:		
v_c	f_n	a_p
294	0.50	1.50

WMG K3.2

Dormer Pramet solution:		
SNMA 250924S:T5415		
Machining data:		
v_c	f_n	a_p
30	1.40	5

WMG K3.3



v_c = cutting speed (m/min), f_n = feed per revolution (mm/rev), a_p = axial depth of cut (mm)

Success stories

Enhance tool life by **33%** and cut costs by **4.9%**

Customer result: T5415 improved productivity by 7.39%, extended tool life by 33%, and reduced machining costs by 4.9%, offering better efficiency and cost savings compared to the previous tool. It's a reliable choice for optimizing performance and reducing expenses in demanding applications.

Spend **33%** less time on tool changes

Customer result: T5415 with KM chipbreaker provided 33% longer tool life compared to competing tools. This resulted in fewer tool changes and more uptime. Achieve consistent performance and reliable finishes with this durable solution for roughing and finishing.

Segment:	General engineering
Application:	Roughing
Material:	EN-GJS-500-7 (170HB-210HB)
Coolant:	Yes

Segment:	Injection model machining
Application:	Roughing & finishing
Material:	EN-GJS-500-7 (180-210 HB)
Coolant:	Yes

Dormer Pramet solution:		
WNMG 080408E-KR:T5415		
Machining data:		
v_c	f_n	a_p
220	0.35	3

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Dormer Pramet solution:		
WNMG 080408-KM:T5415		
Machining data:		
v_c	f_n	a_p
215	0.30	2

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v_c = cutting speed (m/min), f_n = feed per revolution (mm/rev), a_p = axial depth of cut (mm)

Success stories

Increase productivity with **53%** longer tool life

Customer result: T5415 with KM chipbreaker delivered 53% longer tool life and maintained consistent productivity in rough turning of cast iron. Choose this reliable solution for reduced costs and enhanced efficiency.

Segment:	Automotive
Application:	Roughing
Material:	EN-GJS-500-7
Coolant:	Yes

Dormer Pramet solution:

WNMG 080412-KM:T5415

Machining data:

v_c	f_n	a_p
605	0.25	2.50

WMG K3.2



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Maximize productivity with our new high-performance indexable tools

