

Machining examples

Superior performance for nodular cast iron machining

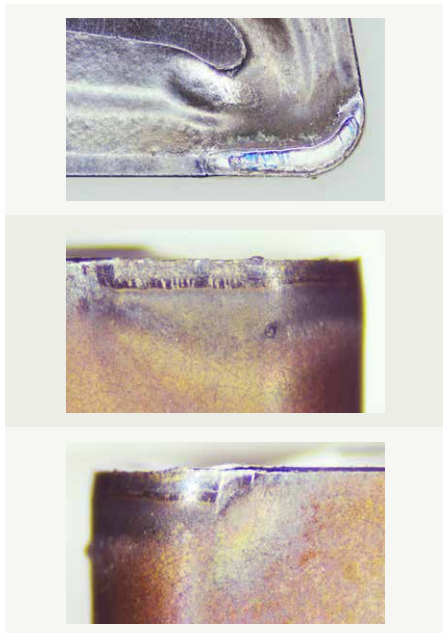
T5415 sets a new benchmark in nodular cast iron machining, offering up to 90% longer tool life than competitors. With 23.3 minutes of continual turning, it reduces downtime, lowers tool changes, and boosts productivity, making it ideal for demanding industrial applications.

Machining:	Continuous cut
Application:	Turning
Material:	EN-GJS-500-7 (165 HB)
Coolant:	No

Dormer Pramet solution:		
CNMG 120408-KM		
Machining data:		
v_c	f_n	a_p
300	0.20	2.00

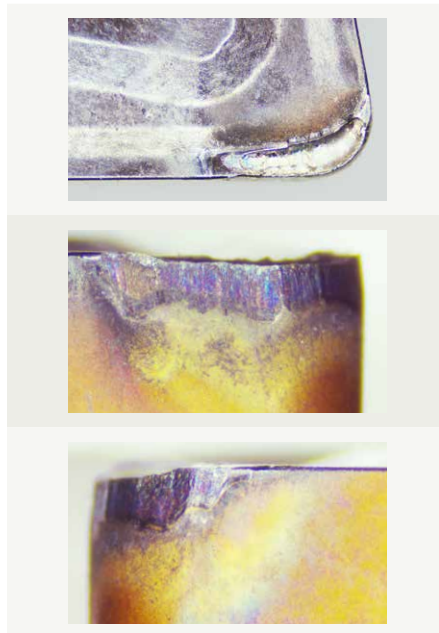
WMG K3.1

T5415



Photos from T5415.
All taken after 20 minutes.

Competitor A



Photos from Competitor A.
All taken after 20 minutes.

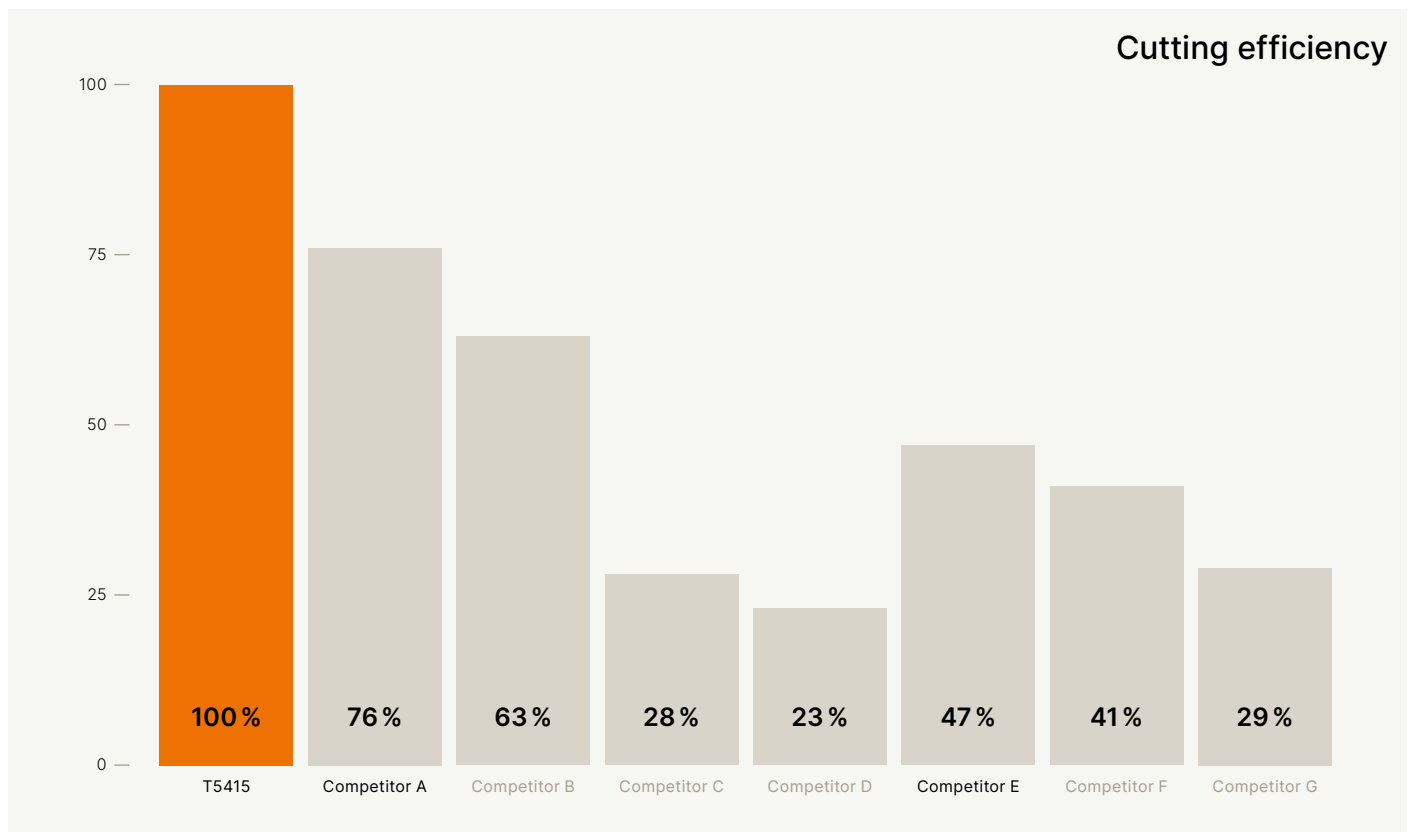
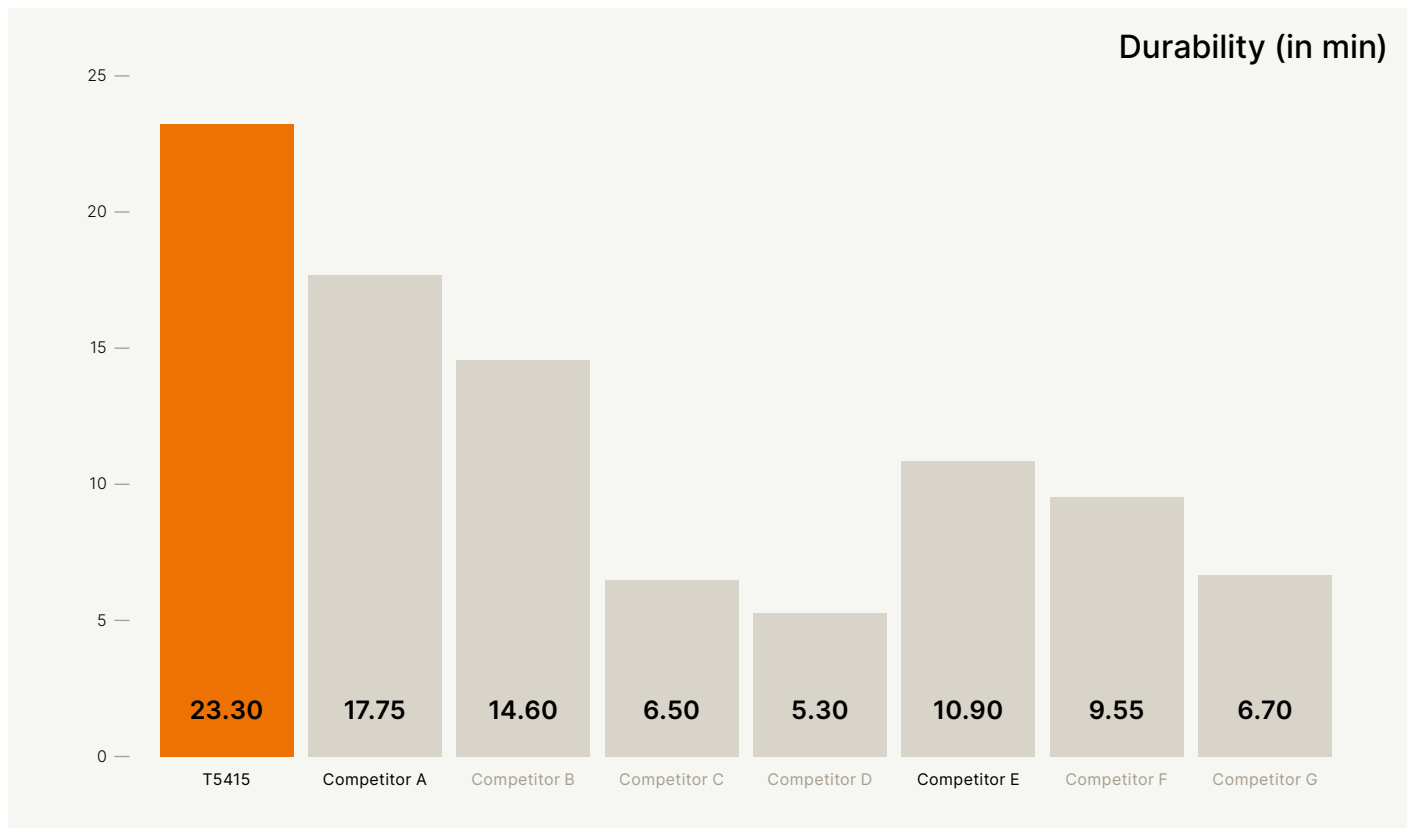
Competitor E



Photos from Competitor E.
All taken after 10 minutes.

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

Machining examples



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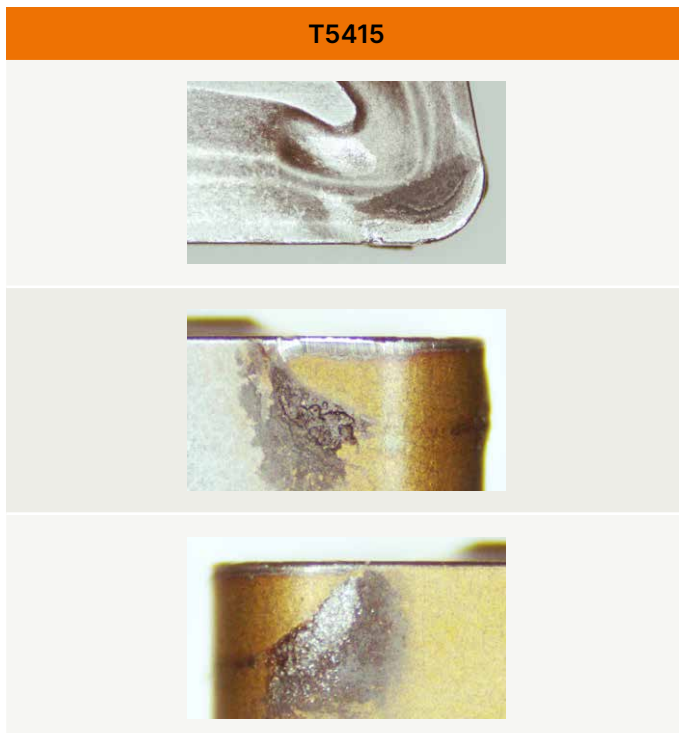
Optimized grade for maximum performance and efficiency

We've improved durability and efficiency with our new T5415 grade – offering more than two times longer tool life and 123% better cutting efficiency compared to the previous grade. Upgrade today for optimized productivity and reduced downtime.

Machining:	Continuous cut
Application:	Turning
Material:	X37CrMoV5-1 (53 HRC)
Coolant:	No

Dormer Pramet solution:		
CNMG 120408-KM		
Machining data:		
v_c	f_n	a_p
70	0.22	1.50

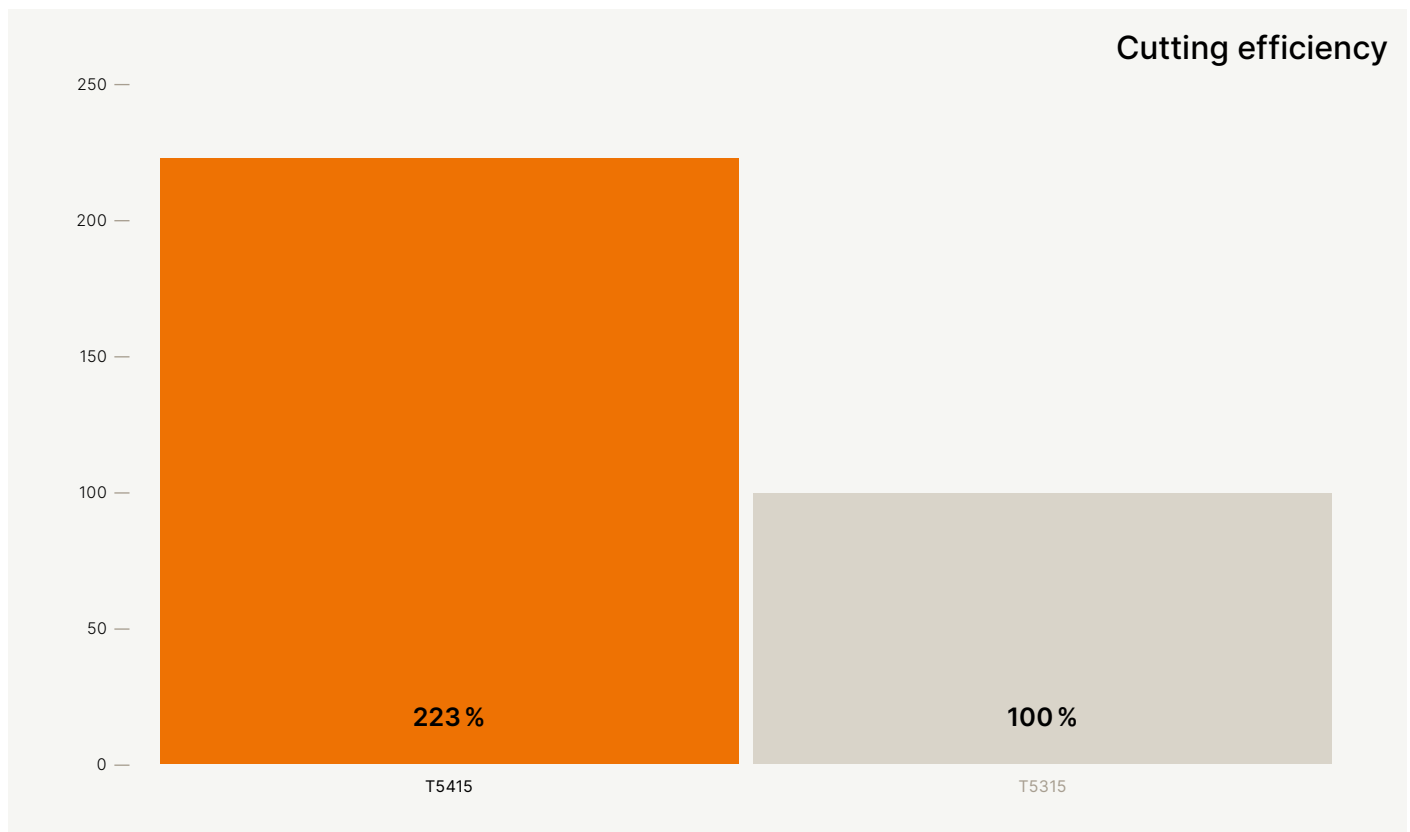
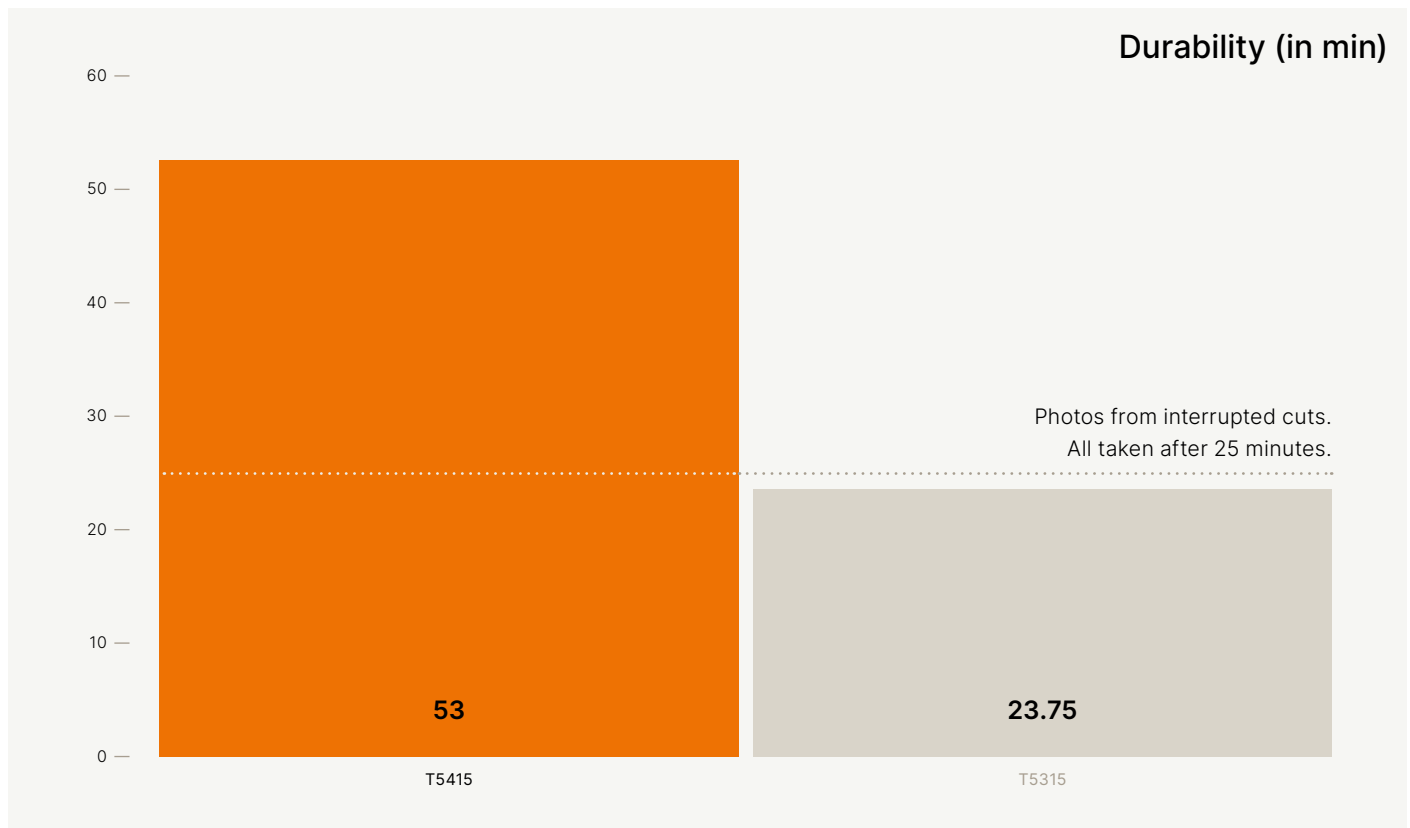
WMG H3.2



Photos from continuous cutting. All taken after 25 minutes.

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

Machining examples



Machining examples

Enhanced efficiency for interrupted cuts

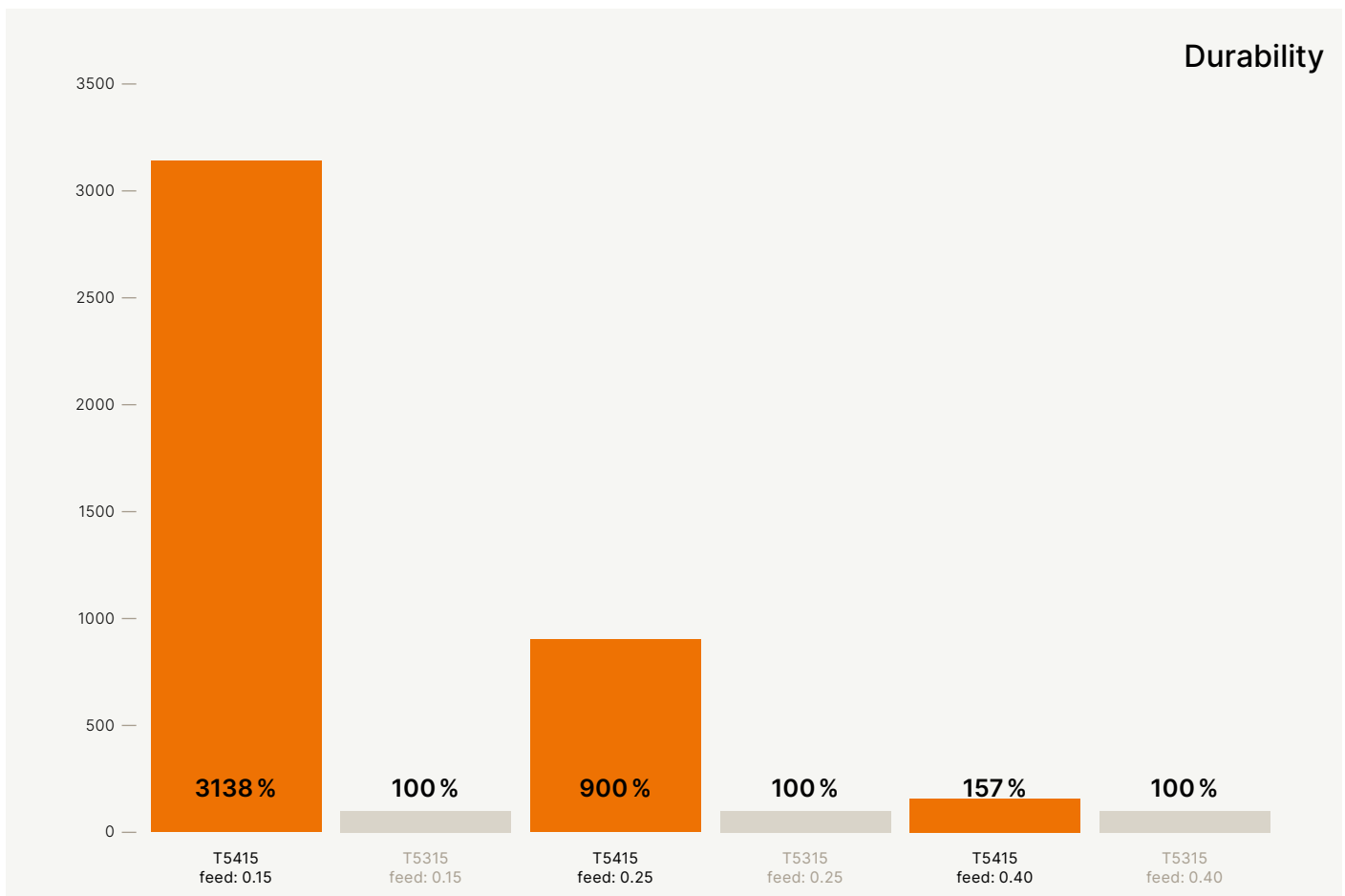
T5415 excels in unstable cutting conditions, thanks to its advanced post-treatment technology, ensuring unmatched reliability and durability.

Machining:	Interrupted cut
Application:	Turning
Material:	37Cr4
Coolant:	No

Dormer Pramet solution:
CNMG 120408-KM

Machining data:		
v_c	f_n	a_p
100	0.15	1.00
100	0.25	1.00
100	0.40	1.00

WMG P3.2



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