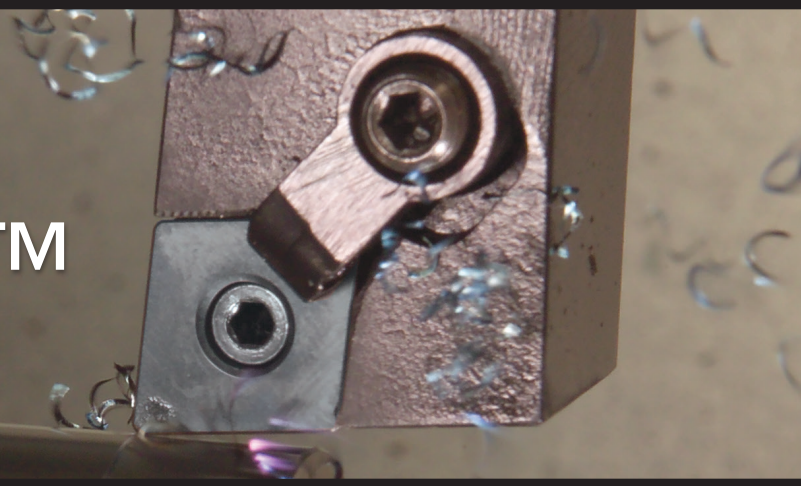




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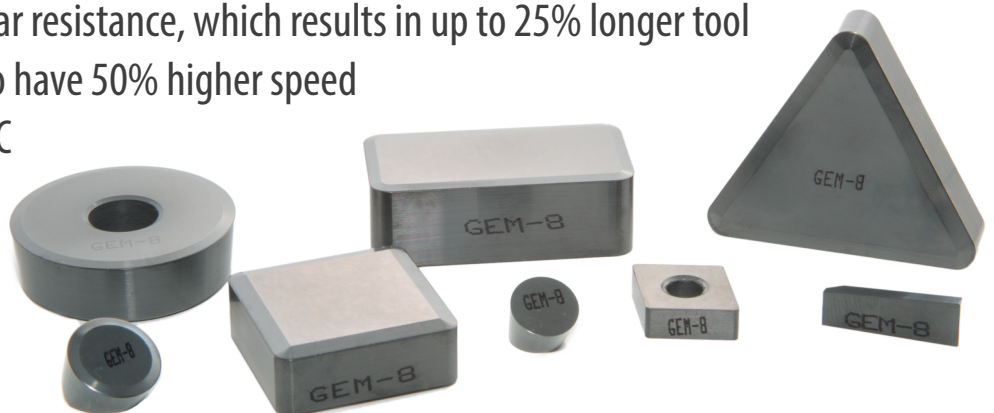
INTRODUCING GEM-8™



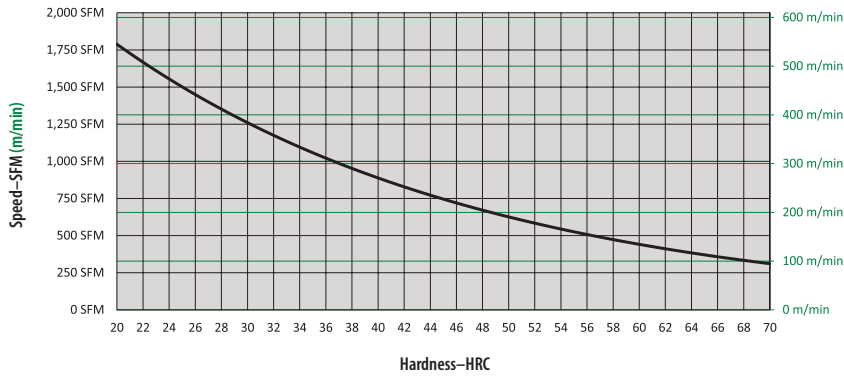
GEM-8™ is a next generation aluminum oxide and titanium ceramic composite with increased tool life and a high degree of predictability.

GEM-8™ is recommended for continuous turning of roll materials, gray and nodular cast irons, and hardened steel. Higher strength provides superior edge integrity, making this grade suitable for machining high-strength, high-hardness materials compared to cold-pressed and sintered Al_2O_3 (white) ceramics.

GEM-8™ shows improved wear resistance, which results in up to 25% longer tool life, and has also been proven to have 50% higher speed capabilities over other $\text{Al}_2\text{O}_3 + \text{TiC}$ composite ceramics.

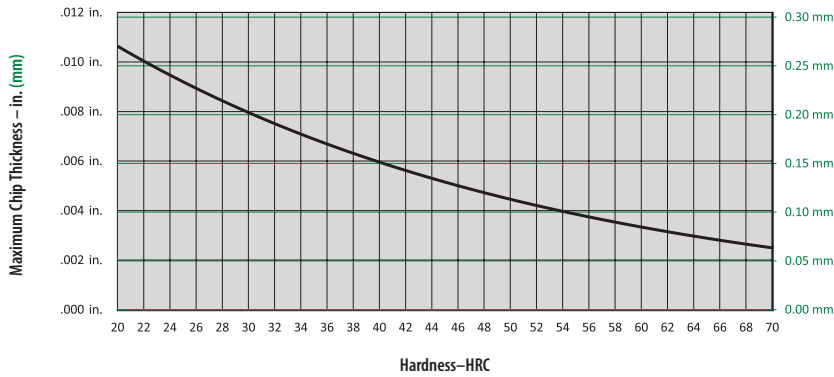


Cutting Speed (vc)

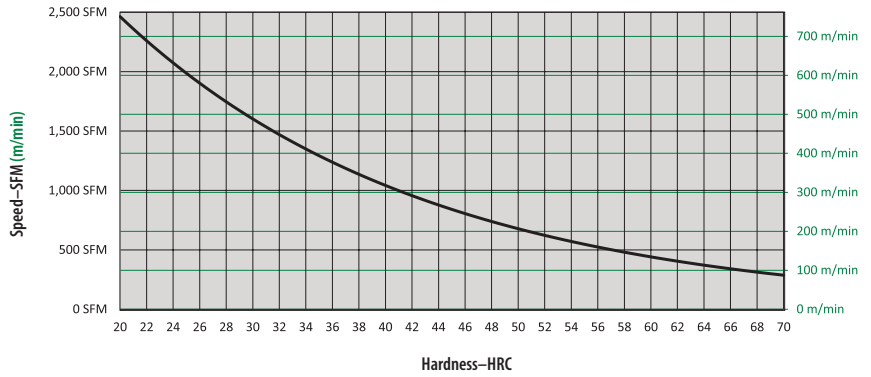


Turning Steel

Maximum Chip Thickness (hex)

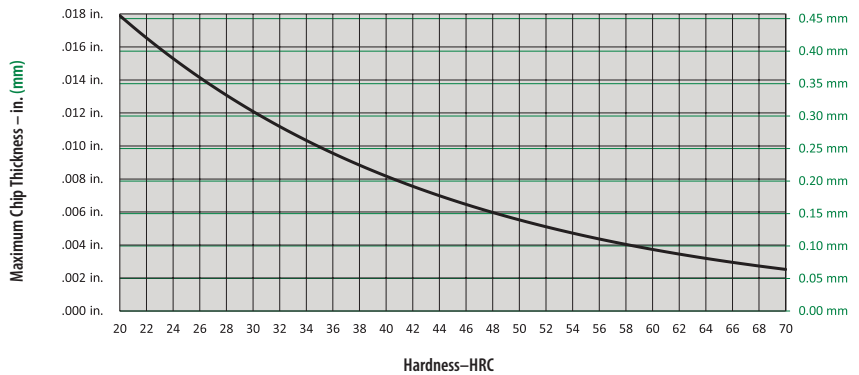


Cutting Speed (vc)



Turning Cast Iron

Maximum Chip Thickness (hex)



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