



Greenleaf®

Saegertown, PA 16433 | 814-763-2915 | www.greenleafcorporation.com

A NEXT-GENERATION COBALT-ENRICHED GRADE

G5125+

The next generation, high-performance, cobalt-enriched grade that maximizes productivity in roughing and semi-finishing of steels and stainless steels is here!

G5125+ is a tough, cobalt-enriched, CVD-coated carbide grade ideally suited for roughing and semi-finishing of steels in turning applications with extended tool life and increased productivity.

G5125+ delivers excellent results in clean, continuous cuts as well as heavily interrupted cuts of various types of steel. Primary applications for this grade range from soft steels to hardened steels at medium to high speeds and moderate feed rates.

- ✓ Superior toughness
- ✓ Resistance to chipping
- ✓ Predictable tool life
- ✓ Higher productivity



Available now in various insert geometries and chipforms!

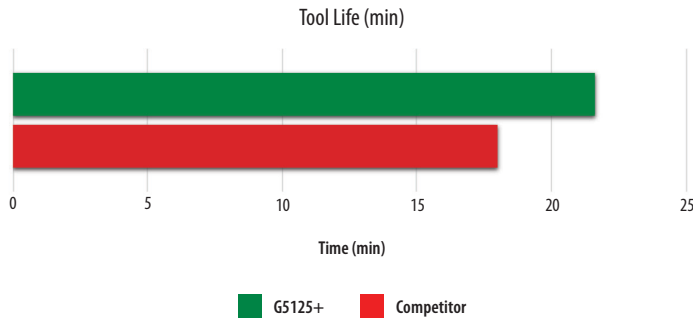
Case Studies

20% increase in tool life!

H13 (28-32 HRC) – Interrupted

Industry-Leading Competitor vs. G5125+

Speed: 550 SFM (177.8 m/min)
 Feed: 0.010 IPR (0.254 mm/rev)
 Ap: 0.070" (1.78 mm)
 Length of cut: 3.00" (76.2 mm)
 18 Passes



20% shorter cycle time!

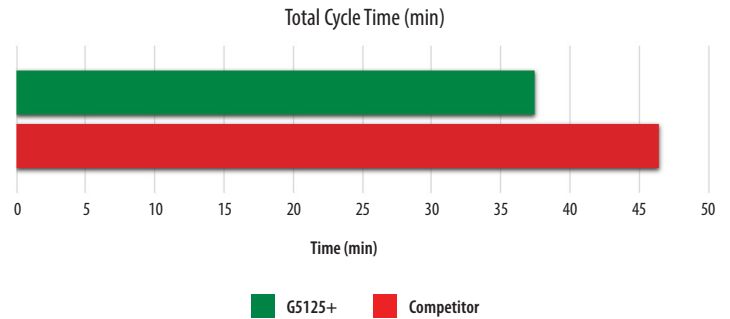
440 Stainless, Rough Bar – Scale Interruption

Competitor

Speed: 825 SFM (251.5 m/min)
 Feed: 0.008 IPR (0.2 mm/rev)
 Ap: 0.250" (6.35 mm)
 Length of cut: 2.75" (69.85 mm)
 8 Passes

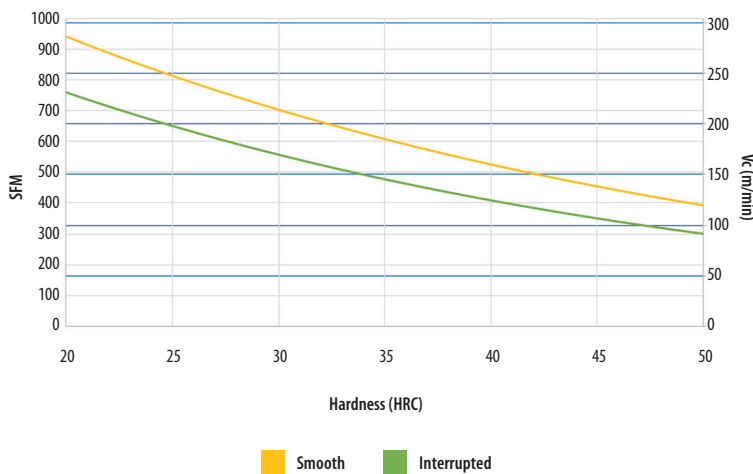
G5125+

Speed: 1020 SFM (311 m/min)
 Feed: 0.008 IPR (0.2 mm/rev)
 Ap: 0.250" (6.35 mm)
 Length of cut: 2.75" (69.85 mm)
 8 Passes

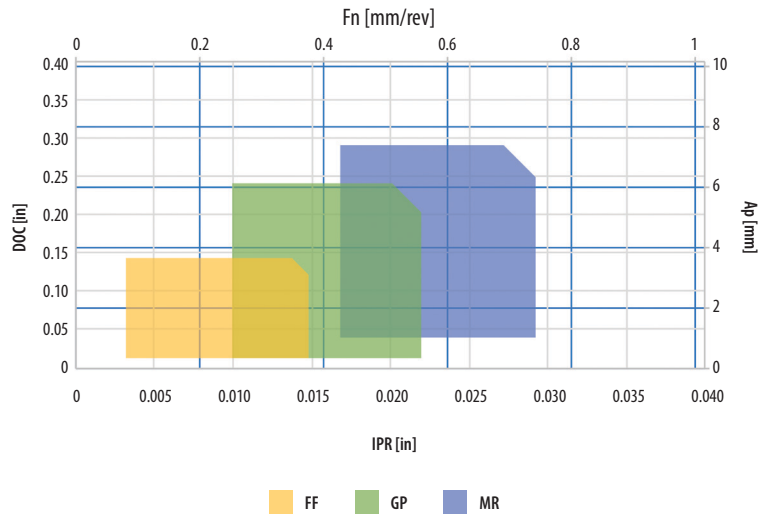


Speeds and Feeds

G5125+ Steel Turning Speed



Recommended Feed by Chipbreaker



Greenleaf Corporation
 18695 Greenleaf Drive, Saegertown, PA 16433 USA
 800-458-1850 | 814-763-2915
 sales@greenleafcorporation.com

Greenleaf Europe B.V.
 Schimmert, The Netherlands
 +31-45-404-1774
 eurooffice@greenleafcorporation.com

Greenleaf (Hunan) High-Tech Materials Co., Ltd.
 Changsha, Hunan 410205, China
 +86-731-89954796
 info@greenleafcorporation.com.cn