



## Hi-PerCarb 141K

### Series 141K

**Material**  
Cast Iron - 65-45-12

**Part Type**  
# 11715

**SGS Product**  
10.30mm Dia, 124 Degree Point,  
Solid Carbide Drill

**Competitor Product**  
10.3000" Dia. 2 Flute Drill

**Application**  
Drilling

**SGS Tool Information**

- 10.3000" Cutting Dia.
- 2.2047" Usable Length
- 2.7953" Flute Length
- TM (Ti-NAMITE-M) Coating
- EDP: [65233](#)

#### Goal

This automotive manufacturer was interested in reducing cycle time and increasing tool life.

#### Strategy

Testing of the SGS Hi-PerCarb-K drill delivered strong results, reducing cycle time while increasing tool life by nearly 50%. The improved efficiency and durability demonstrated a clear performance advantage over the existing solution.



Learn more  
about the  
**141K**

Total  
Cost Savings  
**\$4,094**

Tools Required  
**54%**

Machining  
Cycle Time  
**44%**

Total  
Machining Cost  
**44%**

#### Result

The implementation of the Series 141K resulted in a **54%** reduction in the number of tools required. Machining cycle time was reduced by **44%**, and total machining costs were reduced by **44%**. Overall, the customer achieved a total cost reduction of **37%**, generating annual savings of more than \$4,000.

Tools	Cutting Dia. (DC)	RPM	SFM	IPM	IPR	Axial Depth (AP)	Coolant
<b>SGS Hi-PerCarb 141K (2-Flute)</b>	10.3000"	3391	9151	50.53	0.0149	0.9000"	Coolant Through
Competitor (2-Flute)	10.3000"	3055	8244	28.41	0.0093	0.9000"	Coolant Through

#### Tools Required

**54%**

Machining  
Cycle Time

**44%**

Total  
Machining Cost

**44%**

