

Transmission Gear Carrier: T-A GEN2

The customer supplies gears and gear assemblies. They are manufacturing transmission gear carriers for the Hummer H3. The holes are drilled into a composite consisting of two powder metal steel components joined by sinter-brazing. The customer is expecting to produce 50,000 carrier assemblies.

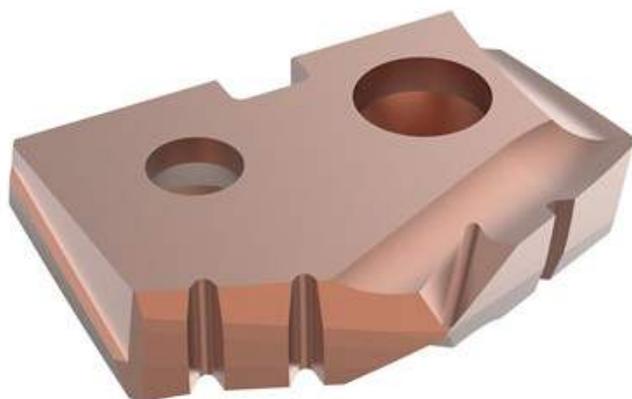
Allied Machine suggested the **T-A GEN2** drilling system. The tool needed to at least match the 16 IPM (*406.400 mm/min*) achieved by the original tool.

The **T-A GEN2** met the customer's requirements and provided significant cost savings.



		Measure	Competitor	T-A GEN2
Product:	T-A GEN2			
Objective:	Improve Process			
Industry:	Automotive			
Part:	Transmission gear carrier			
Material:	Metal composite			
Hole Ø:	0.551" (<i>13.995 mm</i>)			
		RPM	1600	1600
		Feed Rate	0.010 IPR (<i>0.254 mm/rev</i>)	0.010 IPR (<i>0.254 mm/rev</i>)

- ▶ T-A GEN2 insert
Item No. 4C20H-14
- ▶ Special chrome helix holder



The T-A GEN2 provided:

- ✓ Maintained penetration rates
- ✓ Significant cost savings

Copyright © 2021 Allied Machine and Engineering Corp.- All rights reserved.