

Driveshaft: T-A GEN2

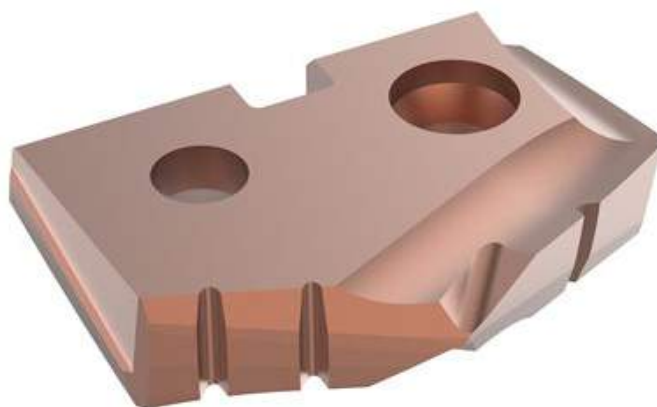
The customer is manufacturing large driveshafts for mining equipment made from alloy steel. They are using a Carlton Radial Arm drill with water soluble coolant and a rotary coolant adapter (RCA).

The customer asked Allied Machine for a solution to reduce cycle time and decrease the overall cost of production.

The **T-A GEN2** achieved the customer's goals and reduced the machine's cycle time.



		Measure	Competitor	T-A GEN2
Product:	T-A GEN2	RPM	190	190
Objective:	(1) Decrease cycle time (2) Decrease cost of production	Speed	39 SFM (11.887 M/min)	39 SFM (11.887 M/min)
Industry:	Mining	Feed Rate	0.003 IPR (0.076 mm/rev)	0.008 IPR (0.203 mm/rev)
Part:	Driveshaft	Penetration Rate	0.57 IPM (14.478 mm/min)	1.52 IPM (38.608 mm/min)
Material:	Alloy steel	Cycle Time	17 min 33 sec	6 min 35 sec
Hole Ø:	0.787" (19.990 mm)	Tool Life	10 holes	24 holes
Hole Depth:	10.00" (254.000 mm)			



- ▶ T-A GEN2 insert
Item No. 451H-20
- ▶ T-A GEN2 holder
Item No. 060602-101

62% cycle time decrease

The T-A GEN2 provided:

- ✓ Increased tool life
- ✓ Decreased cycle time
- ✓ Decreased cost of production