Military Components: Opening Drill®

The customer manufactures components for the military industry. The contractor was tasked with drilling and boring large holes into 4150 steel (30 Rc) using a Mazak slant bed lathe with soluble coolant.

The customer needed a new solution that would increase the drilling speed of these large holes.

The solution of the **GEN2 T-A®** and the **Opening Drill®** successfully increased the speed of the hole making process. The solution also decreased cycle time for the customer.



		Measure	Competitor Drill	GEN2 T-A	Opening Drill®	
Product:	Opening Drill® & GEN2 T-A					
Objective:	Increase speed	RPM	100	170	700	
Industry:	Military/defense					
Part:	Military components	Feed Rate	0.005 IPR	0.008 IPR	0.004 IPR	
Material:	4150 steel					
Hole Ø:	5.625"	Penetration Rate	0.5 IPM	1.3 IPM	2.8 IPM	
Hole Depth:	10.00"	Cycle Time	1 hr 26 min	10 min	10 min 27 sec	

