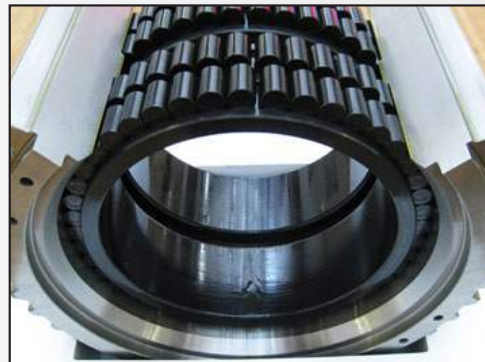


Ring Gears: T-A GEN2

The customer is machining wind energy ring gears made from 8620 using a Mazak Integrex 1550V-II with 800 PSI (55 bar) of water soluble coolant.

When the customer changed the size of the part, the 880 Drill could not achieve the extra depth required to complete the job. The new required depth of the hole was 14.4" (336 mm).

The **T-A GEN2** met the customer's goals.



		Measure	Competitor	T-A GEN2
Product:	T-A GEN2	RPM	984	472
Objective:	Achieve depth requirements	Feed Rate	0.004 IPR (0.102 mm/rev)	0.012 IPR (0.305 mm/rev)
Industry:	Renewable energy/wind	Penetration Rate	3.94 IPM (100.076 mm/min)	5.66 IPM (143.764 mm/min)
Part:	Ring gears	Cycle Time	1 min 51 sec	1 min 16 sec
Material:	8620 steel	Tool Life	22 holes	44 holes
Hole Ø:	1.3" (33.02 mm)			
Hole Depth:	13.15" (334.01 mm)			



- ▶ T-A GEN2 insert
Special T-A GEN2 Insert
- ▶ T-A GEN2 insert holder
Item No. 24025S-125F



Double
the tool life

The T-A GEN2 provided:

- ✓ Increased tool life
- ✓ Decreased cycle time
- ✓ Achieved depth requirements