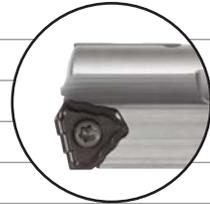


DEEPTRIO^{GD}

6.25 TIMES PRODUCTIVITY AND 5.25 TIMES LONGER TOOL LIFE COMPARED WITH BRAZED GUNDRILL



Component/Industry	Mold Base / Die & Mold
Material	Alloy steel (S45C,AISI1046)
Tool Diameter	ø21x1200mm (.827" x 47.24")
Machine	Gundrill Machine (Tool rotating)
Hole Depth	300mm (11.81")(L/D≥14)
Drilling Speed	99m/min(1500rpm)(SFM=325)
Feed	0.17mm/rev(250mm/min)(IPR=.007") (IPM=10.04")



Productivity

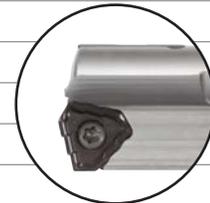
Competitor	40mm/min (IPM=1.573")																			
DeepTrio ^{GD}	250mm/min IPM=(10.04")																			

DEEPTRIO^{GD}

HIGH FEED RATE (150MM/MIN, IPM=5.9") AND LONGER TOOL LIFE OF INSERT (2.5 TIMES COMPARED TO COMPETITOR)!



Component/Industry	Cam Shaft / Automotive
Material	Alloy Steel (SCM440,ISO42CrMo4,AISI4140)
Tool Diameter	ø20x1200mm (.787" x 47.244")
Machine	2 Spindle Gundrill Machine (Tool rotating)
Hole Depth	1050mm (41.339")(L/D≥50)
Drilling Speed	72m/min (1150rpm)(SFM=236)
Feed	0.13mm/rev (150mm/min)(IPR=.0051") (IPM=5.9")



Tool life (per insert)

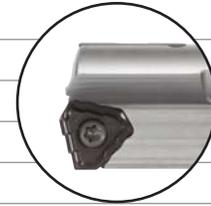
Competitor	30m (1181")	2 corners																		
DeepTrio ^{GD}	75m (2953")																			

DEEPTRIO^{GD}

PRODUCTIVITY INCREASED (2.4 TIMES COMPARED TO COMPETITOR)



Component/Industry	Automotive Camshaft	
Material	1050	
Tool Diameter	Ø 0.709"	
Machine	Horizontal Mill	
Tool	GT-1800-0685-N5-R01	Brazed Gundrill
Drilling Speed	1061 RPM (197 SFM)	938 RPM (174 SFM)
Feed	.004" IPR (3.76 IPM)	.002 (1.59 IPM)



Productivity

Competitor	1.6 IPM				
DeepTrio ^{GD}	3.8 IPM				



