



01 / Product Feature

Geometry Feature - SM

Variable edge width

High edge strength
 Extended tool life

Special space curve edge

High efficient rough milling

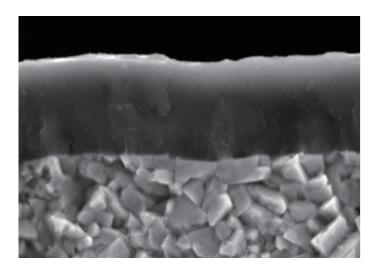
Variable rake angle design

• Improved cutting stability

Wiper design

• Wiper design on insert itself

2 Grade Feature - GSM7130



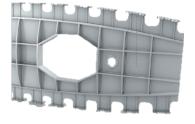
Based on technology innovation, developed brand new milling grade to meet the requirement of super alloy milling

- High strength substrate technology
- 2 High thermal conductivity substrate technology
- 3 High wear resistance coating technology
- Excellent anti bond technology

Typical Application







Sliding rail



Cross bar

4 Application Range

DGT+MET190



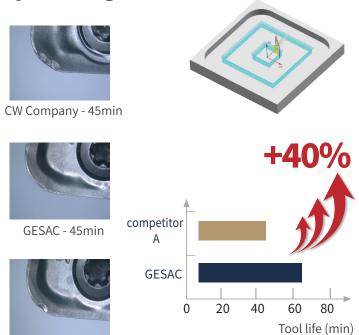
- 1 Suitable for roughing to semi-finishing at low and medium speed
- 2 Workpiece material: super alloy such as TC4, TC18, TC21 etc.

 And also apply to stainless steel
- 3 Face milling, cavity milling, side milling, plunge milling
- 4 Suitable for different cutting depth. Max. depth AD10(9mm), AD12(11.5mm), AD18(16mm)

02 / Application Cases

Super alloy frame web cavity milling

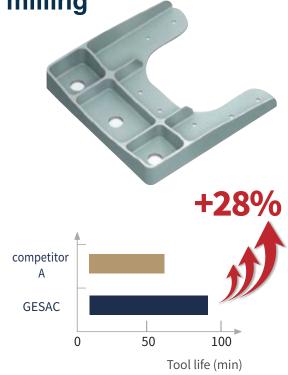
Inserts	ADGT120430R-SM		
Grade	GSM7130		
Cutter	MET190-032R03P32-AD12		
Workpiece	TC4		
Speed	40m/min		
Feed	0.15mm/z		
Depth	2.0mm		
Mode	Cavity milling		
Cooling	Wet cooling / External cooling		
Result	Result High wear resistance in medium and low spee increased 40% of tool life than competitors fro European and American brand		



GESAC - 63min

2	Super	alloy	structure	part slot	milling
---	-------	-------	-----------	-----------	---------

Inserts	ADGT180630R-SM	
Grade	GSM7130	
Cutter	MET190-032R03P32-AD18	
Workpiece	TC18 (HRC40-45)	
Speed	35m/min	
Feed	0.11mm/z	
Depth	1.0mm	
Mode	Slot milling	
Cooling	Wet cooling / External cooling	
Result High wear resistance in medium and low specific increased 28% of tool life than competitors for European and American brand		



03 / Specification

Geometry	Insert	Geometry Drawing	Application Condition
SM			Low cutting force, provides better machining quality

Туре	Cutter	Dia. Range	Teeth Range	Inserts
Arbor		Ф50-Ф100	5-12	ADGT1204
		Ф50-Ф160	4-12	ADGT1806
Cylindrical Straight Type		Ф16-Ф32	2-5	ADGT10T3
		Ф20-Ф40	2-4	ADGT1204
		Ф32-Ф40	2-4	ADGT1806
Replaceable Tool Head		Ф20-Ф40	2-5	ADGT1204
		Ф32-Ф40	2-4	ADGT1806



厦门金鹭特种合金有限公司 XIAMEN GOLDEN EGRET SPECIAL ALLOY CO.,LTD.



Tel: +86-592-7107392 Fax: +86-592-7107322 PC: 361006 Email: gesactools@cxtc.com

