适用于高温合金铣削和中高速粗车削 Suitable for high-temperature alloy milling and medium to high speed rough turning HL系列刀具 HL series cutting tools 适用于高温合金高速稳定工况车削 Suitable for high-speed and stable turning 2 AS系列刀具 of high-temperature alloys AS series cutting tools 适用于铸铁铣削和粗车削 Suitable for milling and rough turning of SN系列刀具 3 cast iron SN series cutting tools 适用于铸铁精加工和半精加工车削 Suitable for precision machining and semi DA系列刀具 precision turning of cast iron 4 DA series cutting tools 适用于高硬度钢的精加工和半精加工车削 Suitable for precision machining and semi AT系列刀具 5 precision turning of high hardness steel AT series cutting tools

Stable working condition precision machining for medium to high speed precision machining and semi precision machining of high hardness steel suitable for ductile iron

ATQ series cutting tools

言

6

适用于球墨铸铁的中高速精加工和半精加工 高硬度钢的稳定工况精加工

ATQ系列刀具



高温合金铣削和中高速粗车削

### 产品介绍 Product Introduction

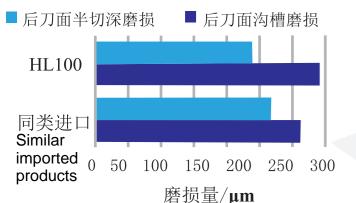
HL陶瓷刀具,主要成分SiAlON,棕色。

适用于高温合金铣削和中高速粗车削加工,效率远高于硬质合金。

# 应用案例 Application cases

相同的切削条件下,HL100与同类进口刀具加工后的工件表面质量相当,刀具寿命 接近。

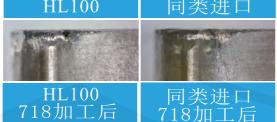
### 刀具磨损情况 Tool wear condition



Wear amount 工件:高温合金。切削状态:干车削。

线速度: 300m/min, 进给: 0.1mm/rev, 切深: 0.5mm。

# Tool wear morphology







## 应用推荐 Recommendation usage

牌号	加工材料	加工类型	线速度 (m/min)	进给量 (mm/rev)	切深 (mm)
HL100	高温合金	粗加工	150~400	0.1~0.3	1.0~2.5
HL200	Inconel718 GH4169	精加工	200~500	0.05~0.15	0.2~1.0

高温合金的高速稳定工况车削



### 产品介绍 Product Introduction

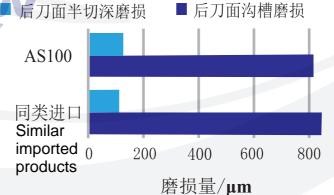
AS陶瓷刀具,主要成分Al<sub>2</sub>O<sub>3</sub>,灰绿色。 适用于高温合金的高速稳定工况车削,其效率远高于硬质合金

## 应用案例 Application cases

相同的切削条件下, AS100与同类进口刀具的磨损外观基本一致, 刀具寿命相当。

# 刀具磨损情况

Tool wear condition

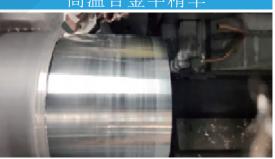


Wear amount 工件: 高温合金。切削状态: 干车削。

线速度: 300m/min,进给: 0.1mm/rev, 切深: 0.5mm。

Tool wear morphology





# 应用推荐 Recommendation usage

牌号	加工材料	加工类型	线速度 (m/min)	进给量 (mm/rev)	切深 (mm)
AS100	高温合金 Inconel718	半精加工	200~500	0.1~0.25	0.5~1.5
AS200	GH4169	精加工	300~700	0.05~0.15	0.1~0.8

铸铁、钢材和有色金属的铣削和粗车削

# SN系列刀具 SN series cutting tools

# 产品介绍 Product Introduction

SN陶瓷刀具,主要成分Si<sub>3</sub>N<sub>4</sub>,灰色。

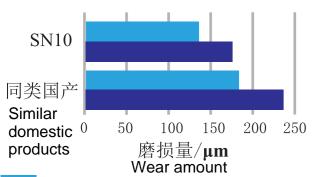
适用于铸铁、钢材和有色金属等材料的粗加工,具有非常好的韧性。



相同的切削条件下, SN10与同类国产刀具相比, 刀具的磨损更均匀, 磨损更小, 刀具寿命更长。

### 1 刀具磨损情况 Tool wear condition 2

■ 后刀面半切深磨损 ■ 后刀面刀尖磨损



加工 工件: 灰铸铁。切削状态: 干车削。 参数 线速度: 500m/min,进给: 0.1mm/rev,切深: 0.5mm。 2 刀具磨损形貌

I 001 W	/ear morphology
SN10	同类国产
The second second	The second second
球墨铸铁	发动机缸体





## 应用推荐 Recommendation usage

牌号	加工材料	加工类型	线速度 (m/min)	进给量 (mm/rev)	切深 (mm)
	灰铸铁	粗加工	150~600	0.2~0.4	1.0~3.5
SN10	八万八	精加工	200~1000	0.05~0.3	0.2~1.0
SN20	特殊铸铁	粗加工	150~400	0.15~0.3	0.8~2.0
	何%好坏	精加工	200~600	0.05~0.15	0.2~0.8

用于铸铁类零件的精加工、半精加工

# DA系列刀具 DA series cutting tools

### 产品介绍 Product Introduction

DA陶瓷刀具,主要成分Al<sub>2</sub>O<sub>3</sub>,白色和粉红色。 适合用于铸铁类零件的精加工、半精加工,效率高。



# 应用案例 Application cases

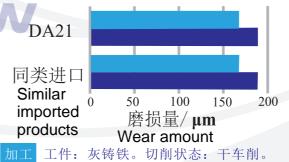
■后刀面半切深磨损

相同的切削条件下, DA21与同类进口刀具的磨损外观基本一致, 刀具寿命相当。

### 1 刀具磨损情况 Tool wear condition 2 刀具磨损形貌

■后刀面沟槽磨损 ————

Tool wear morphology
DA21 同类进口
合金铸铁 灰铸铁钢套



加工 工件: 灰铸铁。切削状态: 干车削。 参数 线速度: 300m/min,进给: 0.1mm/rev,切深: 0.5mm。



## 应用推荐 Recommendation usage

牌号	加工材料 加工类型		线速度 (m/min)	进给量 (mm/rev)	切深 (mm)
DA21	灰铸铁	半精加工	150~500	0.1~0.3	1.0~3.0
DAZI	DVM DV	精加工	200~600	0.05~0.25	0.2~1.0
D 4 2 1	T+ 四 / + / +	半精加工	150~500	0.15~0.25	0.6~1.5
DA31	球墨铸铁	精加工	200~600	0.05~0.15	0.2~0.6
DA41	合金铸铁	半精加工	150~400	0.15~0.3	0.6~1.3
DATI	口並對坎	精加工	200~500	0.05~0.15	0.2~0.6

轴承钢、淬硬钢的高速精加工、半精加工

# AT系列刀具 AT series cutting tools

## 产品介绍 Product Introduction

AT陶瓷刀具,主要成分Al<sub>2</sub>O<sub>3</sub>,黑色。

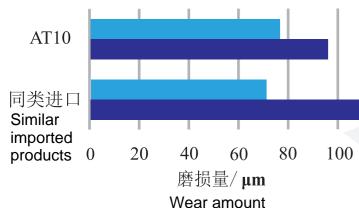
适用于轴承钢、淬硬钢等材料的高速精加工、半精加工。



相同的切削条件下,AT10与同类进口刀具的磨损外观基本一致,刀具寿命相当。

### 1 刀具磨损情况 Tool wear condition 2 刀具磨损形貌

■后刀面刀尖磨损 ■ 后刀面半切深磨损

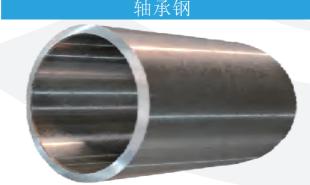


工件:轴承钢。切削状态:干车削。

线速度: 150m/min,进给: 0.1mm/rev, 切深: 0.2mm。

Tool wear morphology





## 应用推荐 Recommendation usage

牌号	加工材料	加工类型	线速度 (m/min)	进给量 (mm/rev)	切深 (mm)
AT10	淬硬钢	半精加工	70~150	0.1~0.2	0.3~0.6
AT20	≥HRC45	精加工	100~200	0.05~0.15	0.1~0.3

### 球墨铸铁的中高速精加工和半精加工

高硬度钢的稳定工况精加工(寿命更长!)



产品介绍 Product Introduction

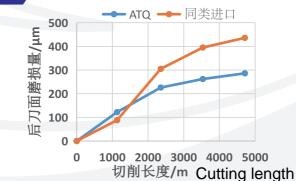
ATQ陶瓷刀具,主要成分Al<sub>2</sub>O<sub>3</sub>和TiC,黑色。

基于AT系列,进一步提升材料耐磨性,用于高硬度钢精加工,刀具寿命更长! 同时可用于球墨铸铁的精加工和半精加工,寿命达同类进口刀具水平。

# 应用案例 Application cases

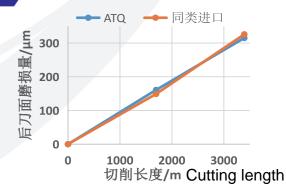
针对高硬度钢的稳定工况精加工,刀具耐磨性能显著提升,刀具寿命显著提升。

### 精车轴承钢刀具磨损



工件:轴承钢。切削状态:干车削。 线速度: 150m/min, 进给: 0.1mm/rev, 切深: 0.2mm。

### 精车球墨铸铁刀具磨损



工件: 球墨铸铁。切削状态: 干车削。 线速度: 500m/min, 进给: 0.1mm/rev, 切深: 0.5mm。

# 应用推荐 Recommendation usage

牌号	加工材料	加工类型	线速度 (m/min)	进给量 (mm/rev)	切深 (mm)
	淬硬钢 ≥HRC45	精加工	120~250	0.05~0.12	0.1~0.3
ATQ	球墨铸铁	半精加工	200~400	0.2~0.4	1.0~2.0
	<b>小型</b>	精加工	300~600	0.1~0.2	0.2~1.0

			倒棱	尺寸Ch	amfer si	ize	21	41	01	100	Õ	01	00	00
刀具型号 Tool model	T01020	T01520			S01520		DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
CNGA090304	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA090308	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA090312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120304	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120308	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120416	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA120716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA160608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA160612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA160616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA160708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA160712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA160716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA160720	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA190612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA190616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA190712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA190716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA190720	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			倒棱	兄士 Ch	amfer si	izo	_	_		00			0	0
刀具型号 Tool model	T01020	T01520			S01520		DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENGA130404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENGA130408 ENGA130412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENGA130412 ENGA130704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENGA130704 ENGA130708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENGA130708 ENGA130712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENGA130712 ENGA130716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENGA130/16		0	0	0	0					0	0			0

	刀具型号				尺寸 Ch			DA21	DA41	SN10	ZTL100	АТО	AT10	AS100	HL100
	Tool model	T01020	T01520	T02020	S01020	S01520	S02020			Ø	Z	7	V	•	H
	CNGN090304	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN090308	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN090312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120304	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120308	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120416	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN120716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
٧	CNGN160608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN160612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	CNGN160616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN160708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN160712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN160716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN160720	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN190612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN190616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN190712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN190716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CNGN190720	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				倒棱	尺寸Ch	amfer si	76	1	1	0	00	~	0	0	00
	刀具型号							DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
	Tool model	101020	T01520	102020	S01020	S01520	S02020				Z		7	V	=
	ENGN130404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ENGN130408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ENGN130412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ENGN130704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ENGN130708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ENGN130712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ENGN130716	0	0	0	0	0	0	0	0	0	0	0	0	0	0

			倒棱	尺寸Ch	amfer si	ze	21	41	10	100	Q	10	00	001
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
CPGN090304	0	0	0				0	0	0	0	0	0	0	0
CPGN090308	0	0	0				0	0	0	0	0	0	0	0
CPGN090312	0	0	0				0	0	0	0	0	0	0	0
CPGN120304	0	0	0				0	0	0	0	0	0	0	0
CPGN120308	0	0	0				0	0	0	0	0	0	0	0
CPGN120312	0	0	0				0	0	0	0	0	0	0	0
CPGN120404	0	0	0				0	0	0	0	0	0	0	0
CPGN120408	0	0	0				0	0	0	0	0	0	0	0
CPGN120412	0	0	0				0	0	0	0	0	0	0	0
CPGN120416	0	0	0				0	0	0	0	0	0	0	0
CPGN120704	0	0	0				0	0	0	0	0	0	0	0
CPGN120708	0	0	0				0	0	0	0	0	0	0	0
CPGN120712	0	0	0				0	0	0	0	0	0	0	0
CPGN120716	0	0	0				0	0	0	0	0	0	0	0
CPGN160608	0	0	0				0	0	0	0	0	0	0	0
CPGN160612	0	0	0				0	0	0	0	0	0	0	0
CPGN160616	0	0	0				0	0	0	0	0	0	0	0
CPGN160708	0	0	0				0	0	0	0	0	0	0	0
CPGN160712	0	0	0				0	0	0	0	0	0	0	0
CPGN160716	0	0	0				0	0	0	0	0	0	0	0
CPGN160720	0	0	0				0	0	0	0	0	0	0	0
CPGN190612	0	0	0				0	0	0	0	0	0	0	0
CPGN190616	0	0	0				0	0	0	0	0	0	0	0
CPGN190712	0	0	0				0	0	0	0	0	0	0	0
CPGN190716	0	0	0				0	0	0	0	0	0	0	0
CPGN190720	0	0	0				0	0	0	0	0	0	0	0
			倒棱	尺寸 Ch	amfer s	ize	21	41	10	100	Q	10	00	001
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
EPGN130404	0	0	0				0	0	0	0	0	0	0	0
EPGN130404	0	0	0				0	0	0	0	0	0	0	0
EPGN130408	0	0	0				0	0	0	0	0	0	0	0
EPGN130412 EPGN130704	0	0	0				0	0	0	0	0	0	0	0
EPGN130704 EPGN130708	0	0	0				0	0	0	0	0	0	0	0
EPGN130708 EPGN130712	0	0	0				0	0	0	0	0	0	0	0
EPGN130712 EPGN130716	0	0	0				0	0	0	0	0	0	0	0
EI GN130/10														

	刀具型号			倒棱	尺寸 Ch	amfer s	ize	DA21	DA41	SN10	ZTL100	АТО	AT10	AS100	HL100
	Tool model	T01020	T01520	T02020	S01020	S01520	S02020	Ď	D/	S	ZП	<b>A</b>	<b>A</b> J	AS	H
	CCGN090304	0	0	0				0	0	0	0	0	0	0	0
	CCGN090308	0	0	0				0	0	0	0	0	0	0	0
	CCGN090312	0	0	0				0	0	0	0	0	0	0	0
	CCGN120304	0	0	0				0	0	0	0	0	0	0	0
	CCGN120308	0	0	0				0	0	0	0	0	0	0	0
	CCGN120312	0	0	0				0	0	0	0	0	0	0	0
	CCGN120404	0	0	0				0	0	0	0	0	0	0	0
	CCGN120408	0	0	0				0	0	0	0	0	0	0	0
	CCGN120412	0	0	0				0	0	0	0	0	0	0	0
	CCGN120416	0	0	0				0	0	0	0	0	0	0	0
	CCGN120704	0	0	0				0	0	0	0	0	0	0	0
	CCGN120708	0	0	0				0	0	0	0	0	0	0	0
	CCGN120712	0	0	0				0	0	0	0	0	0	0	0
	CCGN120716	0	0	0				0	0	0	0	0	0	0	0
A	CCGN160608	0	0	0				0	0	0	0	0	0	0	0
	CCGN160612	0	0	0				0	0	0	0	0	0	0	0
1	CCGN160616	0	0	0				0	0	0	0	0	0	0	0
	CCGN160708	0	0	0				0	0	0	0	0	0	0	0
	CCGN160712	0	0	0				0	0	0	0	0	0	0	0
	CCGN160716	0	0	0				0	0	0	0	0	0	0	0
	CCGN160720	0	0	0				0	0	0	0	0	0	0	0
	CCGN190612	0	0	0				0	0	0	0	0	0	0	0
	CCGN190616	0	0	0				0	0	0	0	0	0	0	0
	CCGN190712	0	0	0				0	0	0	0	0	0	0	0
	CCGN190716	0	0	0				0	0	0	0	0	0	0	0
	CCGN190720	0	0	0				0	0	0	0	0	0	0	0
				倒棱	尺寸Ch	amfer si	ize	11	11	0	00	2	0	00	00
	刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
	ECGN130404	0	0	0				0	0	0	0	0	0	0	0
	ECGN130404 ECGN130408	0	0	0				0	0	0	0	0	0	0	0
	ECGN130408 ECGN130412	0	0	0				0	0	0	0	0	0	0	0
	ECGN130412 ECGN130704	0	0	0				0	0	0	0	0	0	0	0
	ECGN130704 ECGN130708	0	0	0				0	0	0	0	0	0	0	0
	ECGN130703	0	0	0				0	0	0	0	0	0	0	0
	ECGN130712 ECGN130716	0	0	0				0	0	0	0	0	0	0	0
	ECGN130/10														

			倒棱	尺寸 Ch	amfer s	ize	21	41	01	001	ò	01	00	00
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
CBGN090304	0	0	0				0	0	0	0	0	0	0	0
CBGN090308	0	0	0				0	0	0	0	0	0	0	0
CBGN090312	0	0	0				0	0	0	0	0	0	0	0
CBGN120304	0	0	0				0	0	0	0	0	0	0	0
CBGN120308	0	0	0				0	0	0	0	0	0	0	0
CBGN120312	0	0	0				0	0	0	0	0	0	0	0
CBGN120404	0	0	0				0	0	0	0	0	0	0	0
CBGN120408	0	0	0				0	0	0	0	0	0	0	0
CBGN120412	0	0	0				0	0	0	0	0	0	0	0
CBGN120416	0	0	0				0	0	0	0	0	0	0	0
CBGN120704	0	0	0				0	0	0	0	0	0	0	0
CBGN120708	0	0	0				0	0	0	0	0	0	0	0
CBGN120712	0	0	0				0	0	0	0	0	0	0	0
CBGN120716	0	0	0				0	0	0	0	0	0	0	0
CBGN160608	0	0	0				0	0	0	0	0	0	0	0
CBGN160612	0	0	0				0	0	0	0	0	0	0	0
CBGN160616	0	0	0				0	0	0	0	0	0	0	0
CBGN160708	0	0	0				0	0	0	0	0	0	0	0
CBGN160712	0	0	0				0	0	0	0	0	0	0	0
CBGN160716	0	0	0				0	0	0	0	0	0	0	0
CBGN160720	0	0	0				0	0	0	0	0	0	0	0
CBGN190612	0	0	0				0	0	0	0	0	0	0	0
CBGN190616	0	0	0				0	0	0	0	0	0	0	0
CBGN190712	0	0	0				0	0	0	0	0	0	0	0
CBGN190716	0	0	0				0	0	0	0	0	0	0	0
CBGN190720	0	0	0				0	0	0	0	0	0	0	0
			倒棱	尺寸Ch	amfer s	ize	21	41	01	100	0	01	00	00
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
EBGN130404	0	0	0				0	0	0	0	0	0	0	0
EBGN130408	0	0	0				0	0	0	0	0	0	0	0
EBGN130412	0	0	0				0	0	0	0	0	0	0	0
EBGN130704	0	0	0				0	0	0	0	0	0	0	0
EBGN130708	0	0	0				0	0	0	0	0	0	0	0
EBGN130712	0	0	0				0	0	0	0	0	0	0	0
EBGN130716	0	0	0				0	0	0	0	0	0	0	0

	~ = ~ =			倒棱	尺寸 Ch	namfer s	ize	21	41	10	100	Q	10	00	001
	刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
	DNGA150404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150416	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150604	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA150716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA190608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA190612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DNGA190616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				hat tak	<b></b> .										
П				1111 1757	$\pi\pi \cap \kappa$	omforo			_	0		-	0	_	$\equiv$
1	刀具型号			N 12	/	amfer s	ize	\$	<b>A</b>	Ē	3	<b>E</b>	Ĕ	310	3
	刀具型号 Tool model	T01020	T01520			S01520		DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
		T01020	T01520					o DA2	o DA4	o SN1	o ZTL1	• ATQ	o ATI	o AS10	o HL10
	Tool model			T02020	S01020	S01520	S02020				- 1				,,,
	Tool model TNGA110304	0	0	T02020	S01020	S01520	S02020 o	0	0	0	0	0	0	0	0
	Tool model TNGA110304 TNGA110308	0	0	T02020	S01020 •	S01520 •	S02020 •	0	0	0	0	0	0	0	0
	Tool model TNGA110304 TNGA110308 TNGA160304	0	0 0	T02020	S01020 •	S01520 • •	S02020 • •	0	0	0	0	0	0	0	0
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308	0 0	0 0	T02020  o o	S01020	S01520 o	\$02020 • •	0 0	0 0 0	0 0	0 0	0 0	0 0	0 0	0 0
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312	0 0 0	0 0 0	T02020	S01020	S01520	S02020	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312 TNGA160404	0 0 0 0	0 0 0 0 0	T02020	S01020	S01520	S02020	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0 0
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312 TNGA160404 TNGA160408	0 0 0 0 0 0 0	0 0 0 0 0 0 0	T02020	S01020	S01520	S02020	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312 TNGA160404 TNGA160404 TNGA160408 TNGA160412	0 0 0 0 0 0 0	0 0 0 0 0 0 0	T02020	S01020	S01520	S02020	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312 TNGA160404 TNGA160408 TNGA160412 TNGA160416	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	T02020	S01020	S01520	S02020	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312 TNGA160404 TNGA160404 TNGA160416 TNGA160416 TNGA220404		0 0 0 0 0 0 0 0 0 0	T02020	S01020	S01520	S02020	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312 TNGA160404 TNGA160408 TNGA160412 TNGA160416 TNGA220404 TNGA220408		0 0 0 0 0 0	T02020	S01020	S01520	S02020	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312 TNGA160404 TNGA160408 TNGA160412 TNGA160416 TNGA220404 TNGA220404 TNGA220408 TNGA220412		0 0 0 0 0 0	T02020	S01020	S01520	S02020	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312 TNGA160404 TNGA160404 TNGA160412 TNGA160416 TNGA220404 TNGA220408 TNGA220412 TNGA220416		0 0 0 0 0 0 0	T02020	S01020	S01520	S02020								
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312 TNGA160404 TNGA160408 TNGA160412 TNGA160416 TNGA220404 TNGA220404 TNGA220408 TNGA220412 TNGA220416 TNGA220416			T02020	S01020	S01520	S02020								
	Tool model TNGA110304 TNGA110308 TNGA160304 TNGA160308 TNGA160312 TNGA160404 TNGA160408 TNGA160412 TNGA160416 TNGA220404 TNGA220404 TNGA220408 TNGA220412 TNGA220416 TNGA220712			T02020	S01020	S01520	S02020								

		·	倒棱	尺寸 Ch	amfer si	ize	2.1	#	0]	001	0	0]	00	00
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
DNGN150404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN150408	0	0	0	0	0	•	0	0	0	0	0	0	0	0
DNGN150412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN150416	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN150604	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN150608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN150612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN150616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN150704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN150708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN150712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN150716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN190608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN190612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNGN190616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	_		例法	日土で	amfer si	i70	,			0				0
刀具型号			凶仅	) ( 1 CII	iaiiiiei Si	126	7	4	=	=	2	1	10	10
カ兵生り							₹	⋖	Z		5		S	
Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	АТО	АТ10	AS100	HL100
	T01020	T01520	T02020	S01020	S01520	S02020 •	o DA	o DA	o SN	• ZIII	• AT	• AT	• AS	• HL
Tool model														
Tool model TNGN110304	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tool model TNGN110304 TNGN110308	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tool model TNGN110304 TNGN110308 TNGN160304	0	0	0 0	0	0	0	0 0	0	0 0	0	0 0	0	0	0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0 0	0 0 0	0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308 TNGN160312	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308 TNGN160312 TNGN160404	0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160312 TNGN160404 TNGN160408	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308 TNGN160312 TNGN160404 TNGN160404 TNGN160408 TNGN160412	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308 TNGN160312 TNGN160404 TNGN160404 TNGN160408 TNGN160412 TNGN160416	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308 TNGN160312 TNGN160404 TNGN160408 TNGN160412 TNGN160416 TNGN220404			0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308 TNGN160312 TNGN160404 TNGN160404 TNGN160412 TNGN160416 TNGN220404 TNGN220408			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308 TNGN160312 TNGN160404 TNGN160408 TNGN160412 TNGN160416 TNGN220404 TNGN220404 TNGN220408 TNGN220412										0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308 TNGN160312 TNGN160404 TNGN160404 TNGN160412 TNGN160416 TNGN220404 TNGN220408 TNGN220412 TNGN220416													0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308 TNGN160312 TNGN160404 TNGN160408 TNGN160412 TNGN160416 TNGN220404 TNGN220404 TNGN220412 TNGN220412 TNGN220416 TNGN220416														0 0 0 0 0 0 0 0 0 0 0 0
Tool model TNGN110304 TNGN110308 TNGN160304 TNGN160308 TNGN160312 TNGN160404 TNGN160408 TNGN160412 TNGN160416 TNGN220404 TNGN220404 TNGN220412 TNGN220412 TNGN220412 TNGN220416 TNGN220712														0 0 0 0 0 0 0

	刀具型号			倒棱	尺寸Ch	amfer siz	ze	DA21	DA41	SN10	ZTL100	АТО	AT10	AS100	HL100
	Tool model	T01020	T01520	T02020	S01020	S01520	S02020		Q	S	ZI	A	<b>∀</b>	₩.	田
	DPGN150404	0	0	0				0	0	0	0	0	0	0	0
	DPGN150408	0	0	0				0	0	0	0	0	0	0	0
	DPGN150412	0	0	0				0	0	0	0	0	0	0	0
	DPGN150416	0	0	0				0	0	0	0	0	0	0	0
	DPGN150604	0	0	0				0	0	0	0	0	0	0	0
	DPGN150608	0	0	0				0	0	0	0	0	0	0	0
	DPGN150612	0	0	0				0	0	0	0	0	0	0	0
	DPGN150616	0	0	0				0	0	0	0	0	0	0	0
	DPGN150704	0	0	0				0	0	0	0	0	0	0	0
	DPGN150708	0	0	0				0	0	0	0	0	0	0	0
	DPGN150712	0	0	0				0	0	0	0	0	0	0	0
	DPGN150716	0	0	0				0	0	0	0	0	0	0	0
	DPGN190608	0	0	0				0	0	0	0	0	0	0	0
	DPGN190612	0	0	0				0	0	0	0	0	0	0	0
V	DPGN190616	0	0	0				0	0	0	0	0	0	0	0
				Post List	- t.										
	刀具型号			倒夜	尺寸 Ch	namfer si	ze	A21	A41	N10	L100	ΔC	T10	3100	100
	刀具型号 Tool model	T01020	T01520			so1520		DA21	DA41	SN10	ZTL100	АТО	AT10	AS100	HL100
		T01020	T01520					o DA21	o DA41	o SN10	o ZTL100	o ATQ	o AT10	o AS100	o HL100
	Tool model			T02020											
	Tool model TPGN110304	0	0	T02020				0	0	0	0	0	0	0	0
	Tool model TPGN110304 TPGN110308	0	0	T02020				0	0	0	0	0	0	0	0
	Tool model TPGN110304 TPGN110308 TPGN160304	0	0	T02020				0 0	0 0	0	0	0 0	0 0	0 0	0 0
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308	0 0	0 0	T02020				0 0	0 0	0 0	0	0 0	0 0	0 0	0 0
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312	0 0 0	0 0 0	T02020				0 0 0	0 0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312 TPGN160404	0 0 0 0	0 0 0 0	T02020				0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312 TPGN160404 TPGN160408	0 0 0 0 0 0 0	0 0 0 0 0 0 0	T02020				0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312 TPGN160404 TPGN160404 TPGN160404	0 0 0 0 0 0 0	0 0 0 0 0 0 0	T02020				0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312 TPGN160404 TPGN160404 TPGN160408 TPGN160412 TPGN160416	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	T02020  O O O O O O O O O O O O O O O O O				0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312 TPGN160404 TPGN160404 TPGN160412 TPGN160416 TPGN220404			T02020  O O O O O O O O O O O O O O O O O				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312 TPGN160404 TPGN160404 TPGN160408 TPGN160416 TPGN220404 TPGN220408			T02020  O O O O O O O O O O O O O O O O O							0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312 TPGN160404 TPGN160404 TPGN160416 TPGN220404 TPGN220404 TPGN220408 TPGN220412			T02020  O O O O O O O O O O O O O O O O O							0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312 TPGN160404 TPGN160404 TPGN160412 TPGN160416 TPGN220404 TPGN220408 TPGN220412 TPGN220416			T02020  O O O O O O O O O O O O O O O O O											
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312 TPGN160404 TPGN160408 TPGN160416 TPGN220404 TPGN220404 TPGN220412 TPGN220412 TPGN220416 TPGN220416			T02020  O O O O O O O O O O O O O O O O O											
	Tool model TPGN110304 TPGN110308 TPGN160304 TPGN160308 TPGN160312 TPGN160404 TPGN160408 TPGN160412 TPGN160416 TPGN220404 TPGN220404 TPGN220412 TPGN220412 TPGN220412 TPGN220416 TPGN220712			T02020  O O O O O O O O O O O O O O O O O											

			Aug t.t.											
刀具型号			倒棱	尺寸 Ch	amfer s	ize	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
Tool model	T01020	T01520	T02020	S01020	S01520	S02020	D <sub>z</sub>	D'	S	ZII	Ą	Ā	AS	臣
DCGN150404	0	0	0				0	0	0	0	0	0	0	0
DCGN150408	0	0	0				0	0	0	0	0	0	0	0
DCGN150412	0	0	0				0	0	0	0	0	0	0	0
DCGN150416	0	0	0				0	0	0	0	0	0	0	0
DCGN150604	0	0	0				0	0	0	0	0	0	0	0
DCGN150608	0	0	0				0	0	0	0	0	0	0	0
DCGN150612	0	0	0				0	0	0	0	0	0	0	0
DCGN150616	0	0	0				0	0	0	0	0	0	0	0
DCGN150704	0	0	0				0	0	0	0	0	0	0	0
DCGN150708	0	0	0				0	0	0	0	0	0	0	0
DCGN150712	0	0	0				0	0	0	0	0	0	0	0
DCGN150716	0	0	0				0	0	0	0	0	0	0	0
DCGN190608	0	0	0				0	0	0	0	0	0	0	0
DCGN190612	0	0	0				0	0	0	0	0	0	0	0
DCGN190616	0	0	0				0	0	0	0	0	0	0	0
			加拉							0				
H ====			刊仪	尺寸Ch	amter si	170	$\overline{}$	=	0	0	$\sim$		$\equiv$	<b>–</b>
刀具型号						120	\$	¥	Z	3	Ĕ	Ē	2	3
刀具型号 Tool model	T01020	T01520	T02020	S01020			DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
	T01020	T01520	T02020				o DA2	o DA4	• SN1	o ZTL1	o ATC	• ATI	o AS1	• HIL1
Tool model														
Tool model TCGN110304	0	0	0				0	0	0	0	0	0	0	0
TCGN110304 TCGN110308	0	0	0				0	0	0	0	0	0	0	0
Tool model TCGN110304 TCGN110308 TCGN160304	0	0	0				0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160308	0 0	0 0	0 0				0 0	0 0	0 0	0 0	0 0	0 0 0	0 0	0 0
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160308 TCGN160312	0 0 0	0 0 0	0 0 0				0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0 0	0 0 0	0 0 0
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160308 TCGN160312 TCGN160404	0 0 0 0	0 0 0 0	0 0 0 0				0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160312 TCGN160404 TCGN160408	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0				0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160308 TCGN160312 TCGN160404 TCGN160404 TCGN160404	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160312 TCGN160404 TCGN160408 TCGN160412 TCGN160416	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160308 TCGN160312 TCGN160404 TCGN160404 TCGN160408 TCGN160416 TCGN220404		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160308 TCGN160312 TCGN160404 TCGN160404 TCGN160408 TCGN160412 TCGN160416 TCGN220404 TCGN220408			0 0 0 0 0							0 0 0 0 0 0 0 0 0 0 0 0				0 0 0 0 0 0 0 0 0 0
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160308 TCGN160312 TCGN160404 TCGN160408 TCGN160412 TCGN160416 TCGN220404 TCGN220404 TCGN220408 TCGN220412										0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160308 TCGN160312 TCGN160404 TCGN160404 TCGN160412 TCGN160416 TCGN220404 TCGN220408 TCGN220412 TCGN220416														
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160308 TCGN160312 TCGN160404 TCGN160408 TCGN160412 TCGN160416 TCGN220404 TCGN220404 TCGN220408 TCGN220412 TCGN220416 TCGN220416														
Tool model TCGN110304 TCGN110308 TCGN160304 TCGN160308 TCGN160312 TCGN160404 TCGN160408 TCGN160412 TCGN160416 TCGN220404 TCGN220404 TCGN220412 TCGN220412 TCGN220412														

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刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
DBGN150404	0	0	0				0	0	0	0	0	0	0	0
DBGN150408	0	0	0				0	0	0	0	0	0	0	0
DBGN150412	0	0	0				0	0	0	0	0	0	0	0
DBGN150416	0	0	0				0	0	0	0	0	0	0	0
DBGN150604	0	0	0				0	0	0	0	0	0	0	0
DBGN150608	0	0	0				0	0	0	0	0	0	0	0
DBGN150612	0	0	0				0	0	0	0	0	0	0	0
DBGN150616	0	0	0				0	0	0	0	0	0	0	0
DBGN150704	0	0	0				0	0	0	0	0	0	0	0
DBGN150708	0	0	0				0	0	0	0	0	0	0	0
DBGN150712	0	0	0				0	0	0	0	0	0	0	0
DBGN150716	0	0	0				0	0	0	0	0	0	0	0
DBGN190608	0	0	0				0	0	0	0	0	0	0	0
DBGN190612	0	0	0				0	0	0	0	0	0	0	0
DBGN190616	0	0	0				0	0	0	0	0	0	0	0
			倒棱	尺寸 Ch						00			0	0
刀具型号							)A21	)A4	NIC	IL1(	ATQ	ij	S10	L10
刀具型号 Tool model	T01020	T01520		S01020			DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
	T01020	T01520					o DA21	o DA42	o SN1(	o ZIL1(	o ATQ	o ATI(	o AS10	• HL10
Tool model			T02020											
Tool model TBGN110304	0	0	T02020				0	0	0	0	0	0	0	0
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308	0	0	T02020				0	0	0	0	0	0	0	0
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312	0	0	T02020				0	0 0	0	0	0 0	0	0	0
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404	0 0	0 0	T02020  o o				0 0	0 0	0 0 0	0 0 0 0 0	0 0	0 0	0 0	0 0
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404 TBGN160408	0 0 0 0 0 0	0 0 0 0 0 0 0 0	T02020				0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0	0 0	0 0	0 0 0 0 0 0 0
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404 TBGN160404 TBGN160408 TBGN160412	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	T02020				0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160312 TBGN160404 TBGN160408 TBGN160412 TBGN160416	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	T02020				0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404 TBGN160404 TBGN160412 TBGN160416 TBGN220404	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	T02020				0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404 TBGN160408 TBGN160412 TBGN160416 TBGN220404 TBGN220408			T02020						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404 TBGN160404 TBGN160410 TBGN160416 TBGN220404 TBGN220408 TBGN220412			T02020						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 0	
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404 TBGN160404 TBGN160412 TBGN160416 TBGN220404 TBGN220408 TBGN220412 TBGN220416			T02020							0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404 TBGN160404 TBGN160408 TBGN160416 TBGN220404 TBGN220404 TBGN220412 TBGN220412 TBGN220416 TBGN220416			T02020											
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404 TBGN160408 TBGN160412 TBGN160416 TBGN220404 TBGN220404 TBGN220412 TBGN220412 TBGN220412 TBGN220416 TBGN220712			T02020  O O O O O O O O O O O O O O O O O											
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404 TBGN160408 TBGN160412 TBGN160416 TBGN220404 TBGN220408 TBGN220412 TBGN220412 TBGN220412 TBGN220712 TBGN220712 TBGN270608			T02020  O O O O O O O O O O O O O O O O O											
Tool model TBGN110304 TBGN110308 TBGN160304 TBGN160308 TBGN160312 TBGN160404 TBGN160408 TBGN160412 TBGN160416 TBGN220404 TBGN220404 TBGN220412 TBGN220412 TBGN220412 TBGN220416 TBGN220712			T02020  O O O O O O O O O O O O O O O O O											

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~ P ~ P			倒棱	尺寸Ch	amfer si	ize	21	41	10	100	Q	10	00	001
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
SNGA090304	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA090308	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA090312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA090404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA090408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA090412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120416	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120420	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120604	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA120720	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA150404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA150408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA150412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA150416	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA150708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA150712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA150716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA190608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA190612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA190616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA190712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA190716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGA190720	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	S	ZTL100	AT	AT	AS1	H
SNGN090304	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN090308	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN090312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN090404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN090408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN090412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120408	0	0	0	0	0	•	0	0	0	0	0	0	0	0
SNGN120412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120416	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120420	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120604	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN120720	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN150404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN150408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN150412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN150416	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN150708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN150712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN150716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN190608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN190612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN190616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN190712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN190716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNGN190720	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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- H - W - H			倒棱	尺寸 Ch	amfer s	ize	21	41	10	100	Q	10	00	001
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
SPGN090304	0	0	0				0	0	0	0	0	0	0	0
SPGN090308	0	0	0				0	0	0	0	0	0	0	0
SPGN090312	0	0	0				0	0	0	0	0	0	0	0
SPGN090404	0	0	0				0	0	0	0	0	0	0	0
SPGN090408	0	0	0				0	0	0	0	0	0	0	0
SPGN090412	0	0	0				0	0	0	0	0	0	0	0
SPGN120404	0	0	0				0	0	0	0	0	0	0	0
SPGN120408	0	0	0				0	0	0	0	0	0	0	0
SPGN120412	0	0	0				0	0	0	0	0	0	0	0
SPGN120416	0	0	0				0	0	0	0	0	0	0	0
SPGN120420	0	0	0				0	0	0	0	0	0	0	0
SPGN120604	0	0	0				0	0	0	0	0	0	0	0
SPGN120608	0	0	0				0	0	0	0	0	0	0	0
SPGN120612	0	0	0				0	0	0	0	0	0	0	0
SPGN120616	0	0	0				0	0	0	0	0	0	0	0
SPGN120704	0	0	0				0	0	0	0	0	0	0	0
SPGN120708	0	0	0				0	0	0	0	0	0	0	0
SPGN120712	0	0	0				0	0	0	0	0	0	0	0
SPGN120716	0	0	0				0	0	0	0	0	0	0	0
SPGN120720	0	0	0				0	0	0	0	0	0	0	0
SPGN150404	0	0	0				0	0	0	0	0	0	0	0
SPGN150408	0	0	0				0	0	0	0	0	0	0	0
SPGN150412	0	0	0				0	0	0	0	0	0	0	0
SPGN150416	0	0	0				0	0	0	0	0	0	0	0
SPGN150708	0	0	0				0	0	0	0	0	0	0	0
SPGN150712	0	0	0				0	0	0	0	0	0	0	0
SPGN150716	0	0	0				0	0	0	0	0	0	0	0
SPGN190608	0	0	0				0	0	0	0	0	0	0	0
SPGN190612	0	0	0				0	0	0	0	0	0	0	0
SPGN190616	0	0	0				0	0	0	0	0	0	0	0
SPGN190712	0	0	0				0	0	0	0	0	0	0	0
SPGN190716	0	0	0				0	0	0	0	0	0	0	0
SPGN190720	0	0	0				0	0	0	0	0	0	0	0

			倒棱	尺寸 Ch	amfer s	ize	21	41	10	100	Q	10	00	HL100
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	Ħ
SCGN090304	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN090308	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN090312	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN090404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN090408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN090412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120416	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120420	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120604	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120704	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN120720	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN150404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN150408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN150412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN150416	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN150708	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN150712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN150716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN190608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN190612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN190616	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN190712	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN190716	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGN190720	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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7 H 20 H			倒棱	尺寸 Ch	amfer s	ize	21	41	10	100	Q	10	00	001
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	ATQ	AT10	AS100	HL100
SBGN090304	0	0	0				0	0	0	0	0	0	0	0
SBGN090308	0	0	0				0	0	0	0	0	0	0	0
SBGN090312	0	0	0				0	0	0	0	0	0	0	0
SBGN090404	0	0	0				0	0	0	0	0	0	0	0
SBGN090408	0	0	0				0	0	0	0	0	0	0	0
SBGN090412	•	0	0				0	0	0	0	0	0	0	0
SBGN120404	0	0	0				0	0	0	0	0	0	0	0
SBGN120408	0	0	0				0	0	0	0	0	0	0	0
SBGN120412	0	0	0				0	0	0	0	0	0	0	0
SBGN120416	0	0	0				0	0	0	0	0	0	0	0
SBGN120420	0	0	0				0	0	0	0	0	0	0	0
SBGN120604	0	0	0				0	0	0	0	0	0	0	0
SBGN120608	0	0	0				0	0	0	0	0	0	0	0
SBGN120612	0	0	0				0	0	0	0	0	0	0	0
SBGN120616	0	0	0				0	0	0	0	0	0	0	0
SBGN120704	0	0	0				0	0	0	0	0	0	0	0
SBGN120708	0	0	0				0	0	0	0	0	0	0	0
SBGN120712	0	0	0				0	0	0	0	0	0	0	0
SBGN120716	0	0	0				0	0	0	0	0	0	0	0
SBGN120720	0	0	0				0	0	0	0	0	0	0	0
SBGN150404	0	0	0				0	0	0	0	0	0	0	0
SBGN150408	0	0	0				0	0	0	0	0	0	0	0
SBGN150412	0	0	0				0	0	0	0	0	0	0	0
SBGN150416	0	0	0				0	0	0	0	0	0	0	0
SBGN150708	0	0	0				0	0	0	0	0	0	0	0
SBGN150712	0	0	0				0	0	0	0	0	0	0	0
SBGN150716	0	0	0				0	0	0	0	0	0	0	0
SBGN190608	0	0	0				0	0	0	0	0	0	0	0
SBGN190612	0	0	0				0	0	0	0	0	0	0	0
SBGN190616	0	0	0				0	0	0	0	0	0	0	0
SBGN190712	0	0	0				0	0	0	0	0	0	0	0
SBGN190716	0	0	0				0	0	0	0	0	0	0	0
SBGN190720	0	0	0				0	0	0	0	0	0	0	0





刀目前只			倒棱	尺寸 Ch	amfer s	ize	21	41	110	100	Q	10	001	100
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA	DA	SNI	ZII	A	IA	AS1	H
WNGA080404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNGA080408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNGA080412	0	0	0	0	0	0	0	0	0	0	0	0	0	0

77 目 形 口			倒棱	尺寸 Ch	amfer s	ize	A21	41	SN10	ZTL100	ATQ	VT10	VS100	100
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA	DA4	S	ZII	[A	AT	AS	H
RCGN090400	0	0	0				0	0	0	0	0	0	0	0
RCGN090700	0	0	0				0	0	0	0	0	0	0	0
RCGN120300	0	0	0				0	0	0	0	0	0	0	0
RCGN120400	0	0	0				0	0	0	0	0	0	0	0
RCGN120600	0	0	0				0	0	0	0	0	0	0	0
RCGN120700	0	0	0				0	0	0	0	0	0	0	0
RCGN150700	0	0	0				0	0	0	0	0	0	0	0
RCGN190700	0	0	0				0	0	0	0	0	0	0	0

7 H 1 H 1 H		21	41	10	100	VTQ	T10	S100	001					
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN10	ZTL100	TA T	AT	AS1	HL100
RBGN090400	0	0	0				0	0	0	0	0	0	0	0
RBGN090700	0	0	0				0	0	0	0	0	0	0	0
RBGN120300	0	0	0				0	0	0	0	0	0	0	0
RBGN120400	0	0	0				0	0	0	0	0	0	0	0
RBGN120600	0	0	0				0	0	0	0	0	0	0	0
RBGN120700	0	0	0				0	0	0	0	0	0	0	0
RBGN150700	0	0	0				0	0	0	0	0	0	0	0
RBGN190700	0	0	0				0	0	0	0	0	0	0	0

71日前日		21	41	10	100	TQ	10	001	100					
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA	DA	SN1	ZIL	TA T	AT	AS1	HE
WNGN080404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNGN080408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNGN080412	0	0	0	0	0	0	0	0	0	0	0	0	0	0

77日刊口		21	41	10	100	АТQ	10	AS100	HL100					
刀具型号 Tool model	T01020	T01520	T02020	S01020	S01520	S02020	DA21	DA41	SN1	ZTL100	TA	ATI	ASI	H
VNGA160404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGA160408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGA160412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGA160604	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGA160608	•	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGA160612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGA220404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGA220408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGA220412	•	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGA220424	0	0	0	0	0	0	0	0	0	0	0	0	0	0

刀具型号 Tool model		A21	DA41	110	ZTL100	ATQ.	10	AS100	HL100					
	T01020	T01520	T02020	S01020	S01520	S02020	DA	DA	SN1	ΖП	Æ	ATI	AS	田田
VNGN160404	0	0	0	0	0	•	0	0	0	0	0	0	0	0
VNGN160408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGN160412	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGN160604	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGN160608	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGN160612	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGN220404	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGN220408	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNGN220412	0	0	0	0	0	•	0	0	0	0	0	0	0	0
VNGN220424	0	0	0	0	0	0	0	0	0	0	0	0	0	0