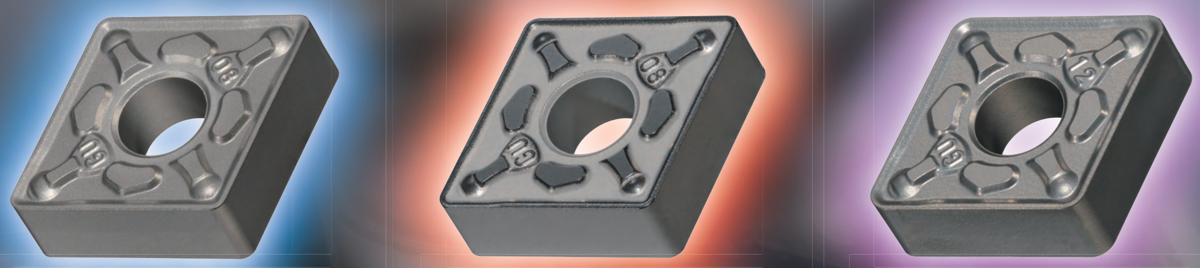
SUMITOMO
CARBIDE - CBN - DIAMOND
Global Support, Global Solutions.

鋼旋削用コーティング材種
Coated Grades for Steel Turning

AC8015P/AC8025P/AC8035P

AC8015P / AC8025P / AC8035P 第4版

(AC8015P) (AC8025P) (AC8035P)



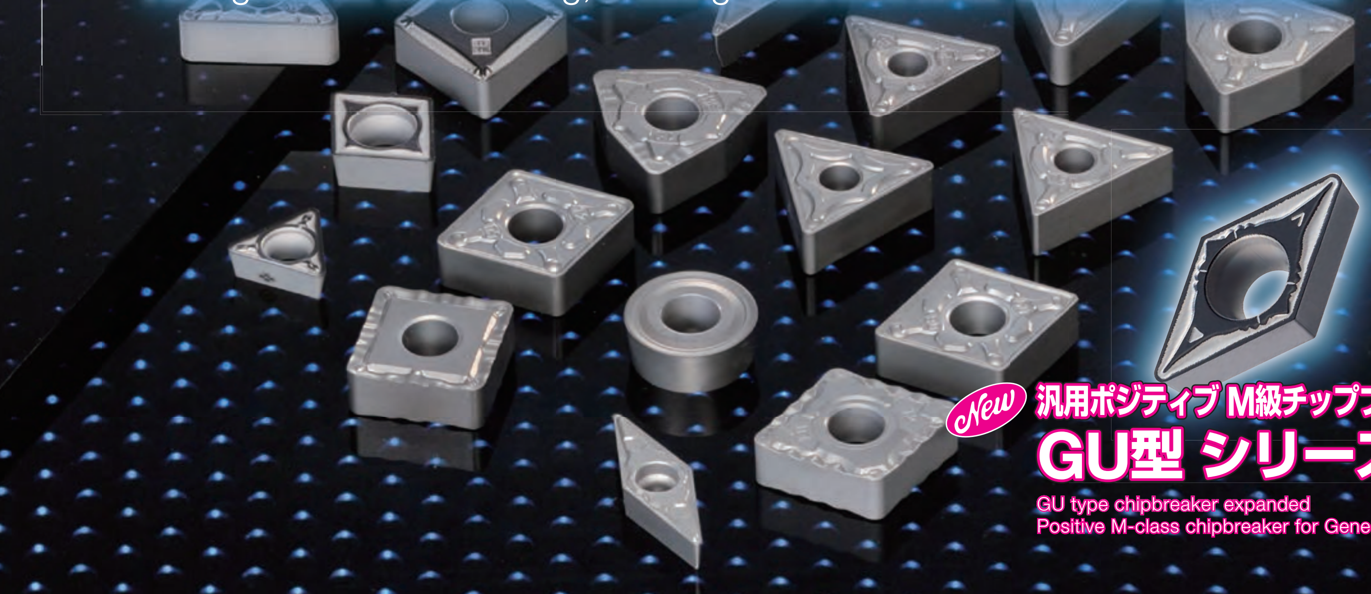
AC8015P
HIGH SPEED

AC8025P
GENERAL PURPOSE

AC8035P
INTERRUPTED

絶対的な安定加工を実現する
鋼旋削の新材種シリーズ

New grade for steel turning, creating "**ABSOLUTELY STABLE CUTTING**"



New 汎用ポジティブ M級チップブレーカ
GU型 シリーズ化
GU type chipbreaker expanded
Positive M-class chipbreaker for General cutting

P M K N S H

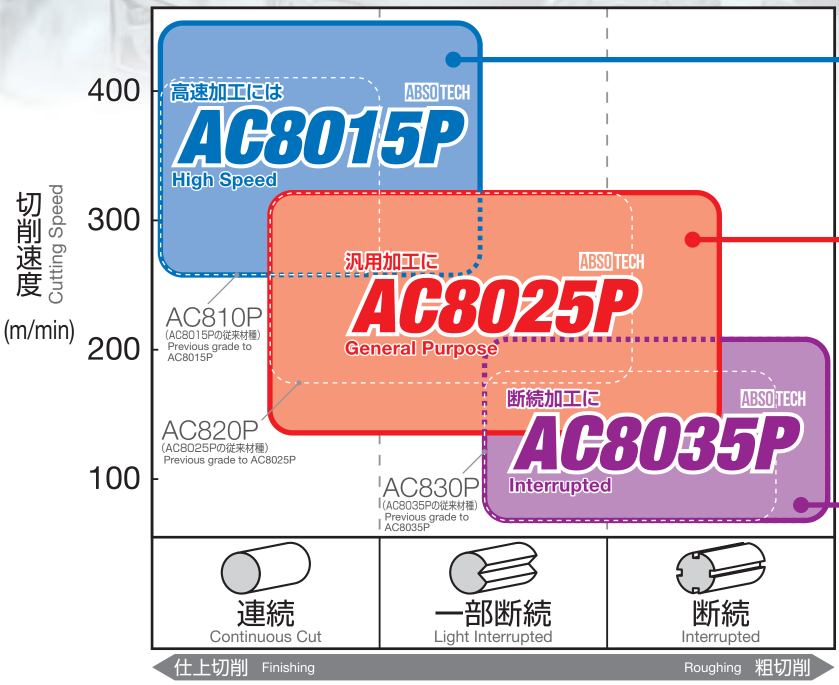
SUMITOMO
ELECTRIC
GROUP

鋼旋削用コーティング材種
Coated grades for Steel Turning

切削動画公開中
VIDEO OF CUTTING

AC8015P/AC8025P/AC8035P

■ 適用領域 Application Range



AC8015P ABSOTECH
抜群の
耐摩耗性
Excellent wear resistance
耐クレータ摩耗性能
Crater wear resistance
従来比 **2** 倍
2x better than conventional grades

AC8025P ABSOTECH
絶対的な
信頼性
Absolute reliability
耐溶着・耐チッピング性能
Adhesion and chipping resistance
従来比 **2** 倍
2x better than conventional grades

AC8035P ABSOTECH
卓越した
安定性
Excellent stability
断続加工での耐欠損性能
Fracture resistance for interrupted cutting
従来比 **2** 倍
2x better than conventional grades

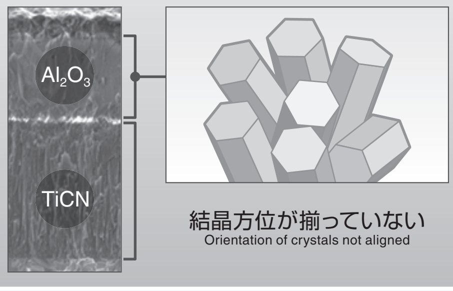
■ 切削性能 Cutting Performance

高速加工 High Speed AC8015P

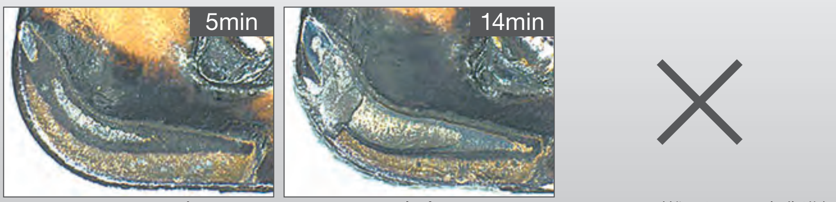
ABSOTECH
結晶制御アルミナ層
Crystal-controlled alumina layer
抜群の耐摩耗性
Excellent wear resistance

アルミナ層の結晶配向性の制御により
切りくず擦過によるクレータ損傷を抑制
Reduced crater damage due to chip abrasion through optimized crystal orientation in the alumina layer

従来品 Conventional



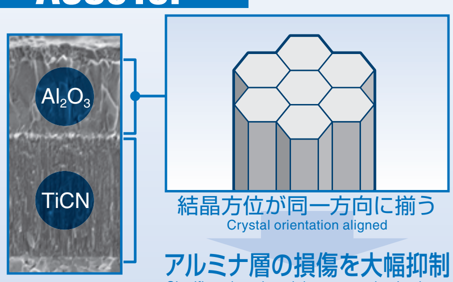
結晶方位が揃っていない
Orientation of crystals not aligned



5min	14min	
TiCN層露出 TiCN layer exposure	寿命 End of tool life	アルミナ層剥離でクレータ損傷進行 Progressive crater damage due to peeling of alumina layer

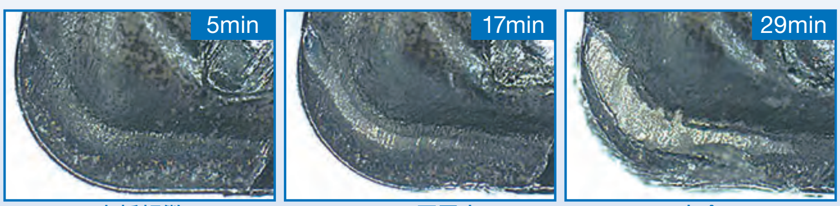
被削材 Work Material：SUJ2（外径連続 External Continuous） インサート Insert：CNMG120408N-GU
切削条件 Cutting Conditions：v_c=300m/min f=0.3mm/rev a_p=1.5mm Wet

AC8015P



結晶方位が同一方向に揃う
Crystal orientation aligned

アルミナ層の損傷を大幅抑制
Significantly reduced damage to alumina layer



5min	17min	29min
摩耗軽微 Minimal wear	TiCN層露出 TiCN layer exposure	寿命 End of tool life

切りくず擦過によるクレータ損傷を抑制
Reduced crater damage due to chip abrasion
耐クレータ摩耗性能 2倍
2x better crater wear resistance

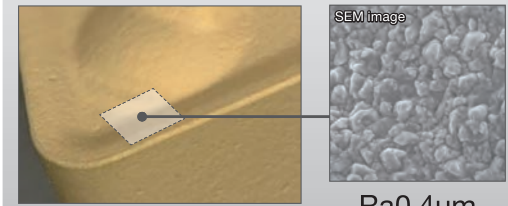
汎用加工 General Purpose AC8025P

ABSOTECH 表面平滑処理 Surface-smoothing treatment ▶ 絶対的な信頼性 Absolute reliability

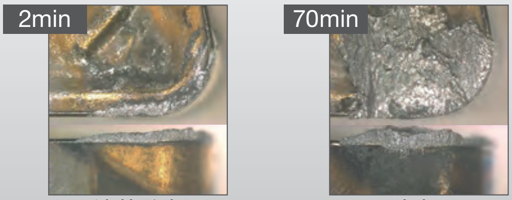
表面平滑処理により溶着・チッピングを大幅に抑制

Improved tool surface smoothness and significantly reduced adhesions through special surface treatment

従来品 Conventional



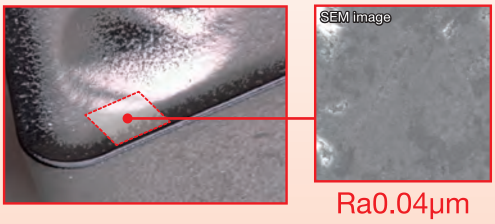
Ra0.4μm



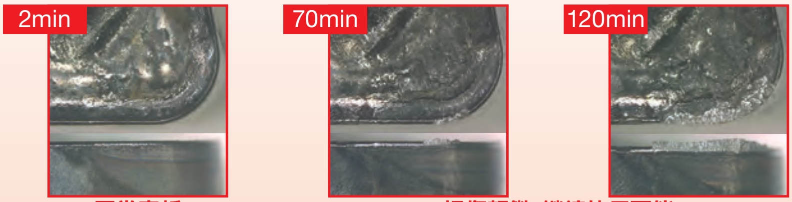
溶着発生 Adhesions | 欠損 Breakage | × 継続使用不可 Unable to continue

被削材 Work Material：SCM415（端面 Face） インサート Insert：CNMG120408N-GU
切削条件 Cutting Conditions：v_c=100-300m/min f=0.3mm/rev a_p=1.5mm Wet

AC8025P



Ra0.04μm



正常摩耗 Normal wear | 損傷軽微、継続使用可能 Controlled even wear No end of tool life

極めて平滑な表面で溶着を抑制 Extremely smooth surface for less adhesions ▶ 耐溶着欠損性能 2倍以上 Double the adhesion and breakage resistance!

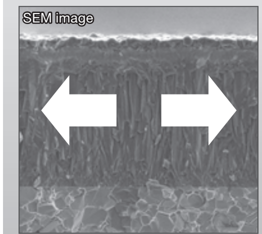
断続加工 Interrupted AC8035P

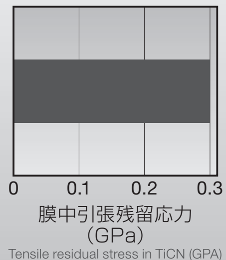
ABSOTECH 膜中応力制御 Coating stress control ▶ 卓越した安定性 Excellent stability

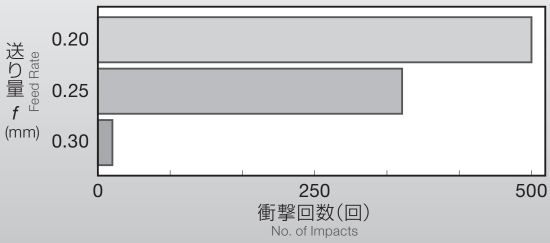
特殊表面処理によりコーティング膜中の引張残留応力を低減し、欠損を大幅に抑制

Drastically reduced tensile residual stress in coating through special surface treatment

従来品 Conventional



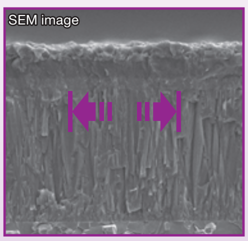


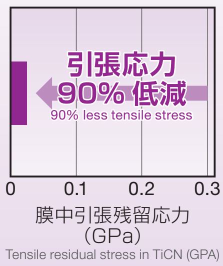


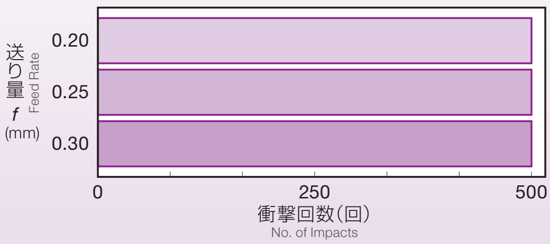
継続使用不可 Unable to continue

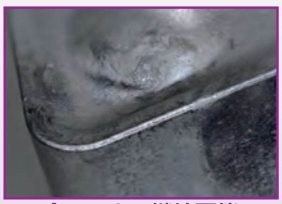
被削材 Work Material：SCM435（外径断続 External Interrupted） インサート Insert：CNMG120408N-GU
切削条件 Cutting Conditions：v_c=160m/min f=0.2-0.3mm/rev a_p=2.0mm Dry

AC8035P









全コーナー継続可能 Able to continue for all corners

引張残留応力低減で亀裂進展・欠損を抑制 Reduced crack growth and breakage through reduced tensile residual stress ▶ 耐欠損性能 2倍以上 Double the fracture resistance!

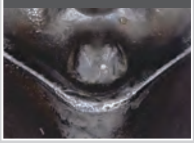
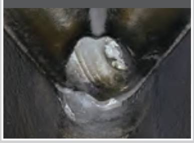
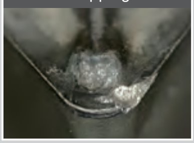
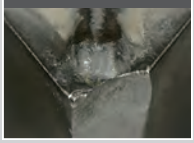
■ シリーズの使い分け Usage of Series

汎用 General Purpose 第一推奨 1st Recommendation
汎用加工 General Purpose **AC8025P**

＋

GU型ブレーカ GU Type Chipbreaker 第一推奨 1st Recommendation
0.25 2.05 25° 7°

	耐摩耗性重視 Better Wear Resistance		汎用 General Purpose	靭性重視 Better Toughness
仕上～低切込み Finish to Small Depth	FE 1.40 0.70 20°	SE 0.1 1.5 17° 5°	SU 1.3 13°	SX 0.2 1.35 15° 3°
汎用 General Purpose	GE 2.0 0.25 23° 3°		GU 第一推奨 0.25 2.05 25° 7°	UX 0.25 2.0 15°
粗～大切込み Rough to Larger Cutting Depth	ME 0.3 2.4 4°		MU 0.3 2.5 20° 4°	MX 0.2 2.3 0.4 20° 15°

逃げ面摩耗 Flank Wear	クレータ摩耗 Crater Wear	チッピング Chipping	欠損 Fracture
			

耐摩耗性重視 Better Wear Resistance
高速加工 High Speed **AC8015P**

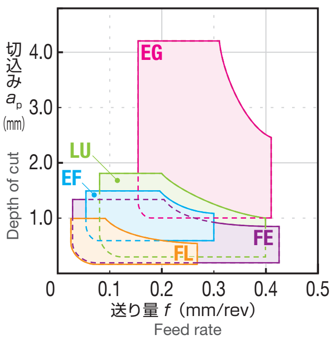
寿命延長したい Longer Tool Life Required	GU 0.25 2.05 25° 7°
高能率加工がしたい Better Efficiency Required	GE 2.0 0.25 23° 3°

靭性重視 Better Toughness
断続加工 Interrupted **AC8035P**

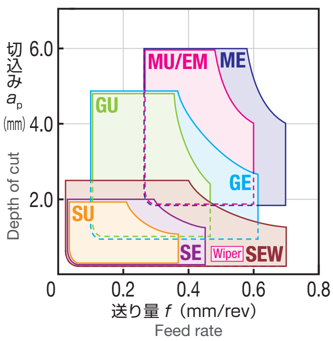
寿命延長したい Longer Tool Life Required	GU 0.25 2.05 25° 7°
安定加工がしたい Machining Consistency Required	UX 0.25 2.0 15°

■ チップブレーカ適用領域 Chipbreaker Application Range

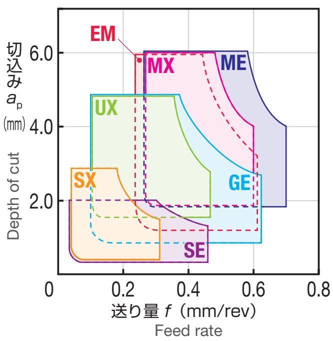
●切りくず処理重視 Good chip control



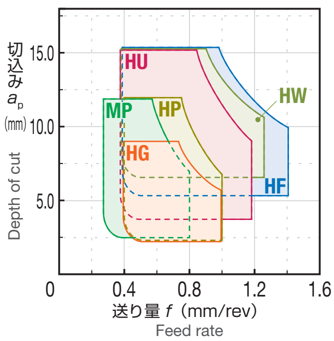
●連続～弱断続切削 Continuous ~ Light Interrupted cut



●弱断続～強断続切削 Light Interrupted ~ Heavy Interrupted cut



●粗～重切削 Rough ~ Heavy cut



■ AC8015P

下限値 − 推奨値 − 上限値
Min. Optimum Max.

インサート形状・切刃長 Insert specification	ブレーカ Chipbreaker	軟鋼(SS400など) 低炭素鋼(S10Cなど) 低合金鋼(SCM415など)180HB以下 Soft steel (e.g., SS400), low carbon steel (e.g., S10C), and low alloy steel (e.g., SCM415) up to 180HB			高炭素鋼(S45Cなど) 高合金鋼(SCM435など)180HB以上 High-carbon steel (e.g., S45C) and high-alloy steel (e.g., SCM435) in excess of 180HB		
		切込み a_p(mm) Depth of Cut	送り量 f(mm/rev) Feed Rate	切削速度 v_c(m/min) Cutting Speed	切込み a_p(mm) Depth of Cut	送り量 f(mm/rev) Feed Rate	切削速度 v_c(m/min) Cutting Speed
CNM□12 TNM□16 DNM□15 TNM□22 SNM□12 WNM□08	FE	0.1-0.4-1.2	0.10-0.20-0.40	290-410-500	0.1-0.4-1.2	0.10-0.20-0.40	240-360-450
	LU · SU · SE	0.5-1.5-2.0	0.10-0.20-0.40	170-310-470	0.5-1.5-2.0	0.10-0.20-0.40	130-260-420
	SEW	0.5-1.5-2.5	0.10-0.40-0.60	170-310-470	0.5-1.5-2.5	0.10-0.40-0.60	130-260-420
	GU · GE · UX	0.8-2.2-5.0	0.10-0.30-0.45	170-310-470	0.8-2.2-5.0	0.10-0.30-0.45	130-260-420
	MU	1.8-3.0-6.0	0.20-0.35-0.60	140-280-400	1.8-3.0-6.0	0.20-0.35-0.60	110-240-350
	ME	1.0-3.0-6.0	0.20-0.45-0.70	140-280-400	1.0-3.0-6.0	0.20-0.45-0.70	110-240-350
	HG	3.0-4.5-8.0	0.35-0.50-0.80	140-280-400	3.0-4.5-8.0	0.35-0.50-0.80	110-240-350
CNM□16 SNM□15	GU · GE · UX	0.8-3.5-5.0	0.15-0.30-0.45	140-280-400	0.8-3.5-5.0	0.15-0.30-0.45	110-240-350
	MU	1.8-4.5-6.0	0.20-0.40-0.60	140-240-330	1.8-4.5-6.0	0.20-0.40-0.60	110-200-280
	ME	1.5-4.5-7.0	0.20-0.50-0.70	140-240-330	1.5-4.5-7.0	0.20-0.50-0.70	110-200-280
	HG	3.0-5.0-8.0	0.35-0.60-0.80	120-210-300	3.0-5.0-8.0	0.35-0.60-0.80	90-170-250
CNM□19 SNM□19 CNM□25 SNM□25 DNM□19 TNM□27	MU	1.8-5.0-6.0	0.20-0.40-0.60	140-240-330	1.8-5.0-6.0	0.20-0.40-0.60	110-200-280
	ME	2.0-5.0-8.0	0.20-0.50-0.70	140-240-330	2.0-5.0-8.0	0.20-0.50-0.70	110-200-280
	HG	3.0-6.5-9.0	0.35-0.60-0.80	120-210-300	3.0-6.5-9.0	0.35-0.60-0.80	90-170-250

■ AC8025P

下限値 − 推奨値 − 上限値
Min. Optimum Max.

インサート形状・切刃長 Insert specification	ブレーカ Chipbreaker	軟鋼(SS400など) 低炭素鋼(S10Cなど) 低合金鋼(SCM415など)180HB以下 Soft steel (e.g., SS400), low carbon steel (e.g., S10C), and low alloy steel (e.g., SCM415) up to 180HB			高炭素鋼(S45Cなど) 高合金鋼(SCM435など)180HB以上 High-carbon steel (e.g., S45C) and high-alloy steel (e.g., SCM435) in excess of 180HB		
		切込み a_p(mm) Depth of Cut	送り量 f(mm/rev) Feed Rate	切削速度 v_c(m/min) Cutting Speed	切込み a_p(mm) Depth of Cut	送り量 f(mm/rev) Feed Rate	切削速度 v_c(m/min) Cutting Speed
CNM□12 TNM□16 DNM□15 TNM□22 SNM□12 WNM□08	FE	0.1-0.4-1.2	0.10-0.25-0.45	150-250-350	0.1-0.4-1.2	0.10-0.25-0.45	120-210-300
	LU · SU · SE	0.5-1.5-2.0	0.10-0.20-0.40	150-250-350	0.5-1.5-2.0	0.10-0.20-0.40	120-210-300
	SEW	0.5-1.5-2.5	0.10-0.40-0.60	150-250-350	0.5-1.5-2.5	0.10-0.40-0.60	120-210-300
	GU · GE · UX	0.8-2.2-5.0	0.10-0.30-0.45	150-230-300	0.8-2.2-5.0	0.10-0.30-0.45	100-180-270
	MU	1.8-3.0-6.0	0.20-0.35-0.60	130-200-280	1.8-3.0-6.0	0.20-0.35-0.60	80-150-230
	ME	1.0-3.0-6.0	0.20-0.45-0.70	130-200-280	1.0-3.0-6.0	0.20-0.45-0.70	80-150-230
	HG	3.0-4.5-8.0	0.35-0.50-0.80	100-180-260	3.0-4.5-8.0	0.35-0.50-0.80	60-130-200
CNM□16 SNM□15	GU · GE · UX	0.8-3.5-5.0	0.15-0.30-0.45	130-200-280	0.8-3.5-5.0	0.15-0.30-0.45	100-160-230
	MU	1.8-4.5-6.0	0.20-0.40-0.60	100-180-260	1.8-4.5-6.0	0.20-0.40-0.60	80-140-210
	ME	1.5-4.5-7.0	0.20-0.50-0.70	100-180-260	1.5-4.5-7.0	0.20-0.50-0.70	80-140-210
	HG	3.0-5.0-8.0	0.35-0.60-0.80	80-160-240	3.0-5.0-8.0	0.35-0.60-0.80	70-120-180
CNM□19 SNM□19 CNM□25 SNM□25 DNM□19 TNM□27	MU	1.8-5.0-6.0	0.20-0.40-0.60	100-180-260	1.8-5.0-6.0	0.20-0.40-0.60	80-140-210
	ME	2.0-5.0-8.0	0.20-0.50-0.70	100-180-260	2.0-5.0-8.0	0.20-0.50-0.70	80-140-210
	HG	3.0-6.5-9.0	0.35-0.60-0.80	80-160-240	3.0-6.5-9.0	0.35-0.60-0.80	70-120-180
	HF	4.5-8.0-13.5	0.45-0.80-1.10	135-170-220	4.5-8.0-13.5	0.45-0.80-1.15	105-140-190

■ AC8035P

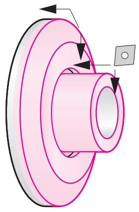
下限値 − 推奨値 − 上限値
Min. Optimum Max.

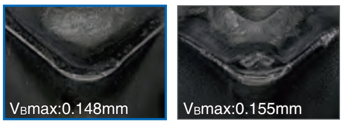
インサート形状・切刃長 Insert specification	ブレーカ Chipbreaker	軟鋼(SS400など) 低炭素鋼(S10Cなど) 低合金鋼(SCM415など)180HB以下 Soft steel (e.g., SS400), low carbon steel (e.g., S10C), and low alloy steel (e.g., SCM415) up to 180HB			高炭素鋼(S45Cなど) 高合金鋼(SCM435など)180HB以上 High-carbon steel (e.g., S45C) and high-alloy steel (e.g., SCM435) in excess of 180HB		
		切込み a_p(mm) Depth of Cut	送り量 f(mm/rev) Feed Rate	切削速度 v_c(m/min) Cutting Speed	切込み a_p(mm) Depth of Cut	送り量 f(mm/rev) Feed Rate	切削速度 v_c(m/min) Cutting Speed
CNM□12 TNM□16 DNM□15 TNM□22 SNM□12 WNM□08	FE	0.1-0.4-1.2	0.10-0.25-0.45	120-200-300	0.1-0.4-1.2	0.10-0.25-0.45	120-180-250
	LU · SU · SE	0.5-1.3-2.0	0.10-0.20-0.40	120-200-300	0.5-1.3-2.0	0.10-0.20-0.40	120-180-250
	SEW	0.8-2.2-5.0	0.10-0.30-0.45	120-200-300	0.8-2.2-5.0	0.10-0.30-0.45	100-150-200
	GU · GE · UX	1.8-3.0-6.0	0.20-0.35-0.60	100-180-250	1.8-3.0-6.0	0.20-0.35-0.60	80-130-180
	MU	1.0-3.0-6.0	0.20-0.45-0.70	100-180-250	1.0-3.0-6.0	0.20-0.45-0.70	80-130-180
	ME	3.0-4.5-8.0	0.35-0.50-0.80	100-150-200	3.0-4.5-8.0	0.35-0.50-0.80	70-100-160
	HG	0.8-3.5-5.0	0.15-0.30-0.45	100-180-250	0.8-3.5-5.0	0.15-0.30-0.45	90-130-170
CNM□16 SNM□15	GU · GE · UX	1.8-4.5-6.0	0.20-0.40-0.60	100-150-200	1.8-4.5-6.0	0.20-0.40-0.60	70-110-150
	MU	1.5-4.5-7.0	0.20-0.50-0.70	100-150-200	1.5-4.5-7.0	0.20-0.50-0.70	70-110-150
	ME	3.0-5.0-8.0	0.35-0.60-0.80	80-130-180	3.0-5.0-8.0	0.35-0.60-0.80	60-100-140
	HG	1.8-5.0-6.0	0.20-0.40-0.60	100-150-200	1.8-5.0-6.0	0.20-0.40-0.60	70-110-150
CNM□19 SNM□19 CNM□25 SNM□25 DNM□19 TNM□27	MU	2.0-5.0-8.0	0.20-0.50-0.70	100-150-200	2.0-5.0-8.0	0.20-0.50-0.70	70-110-150
	ME	3.0-6.5-9.0	0.35-0.60-0.80	80-130-180	3.0-6.5-9.0	0.35-0.60-0.80	60-100-140
	HG	4.5-8.0-13.5	0.45-0.80-1.15	120-150-190	4.5-8.0-13.5	0.45-0.80-1.15	90-120-160
	HF	5.0-8.0-27.0	0.80-1.20-1.60	70-110-150	5.0-8.0-27.0	0.80-1.20-1.60	50- 80-120

AC8015P使用実例 Application Example

SCM421 ギア Gear

摩耗抑制、寿命1.5倍
Ensures minimal wear and a 1.5x extension of tool life



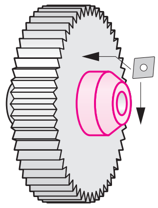


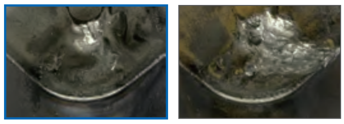
AC8015P + UX (150個/C) | 他社品A Comp's A (100個/C)

インサート：CNMG120412N-UX (AC8015P)
Insert
切削条件：v_c=280m/min f=0.25mm/rev a_p=2.00-2.50mm Wet
Cutting Conditions

SCM435H リングギア Ring gear

クレータ摩耗抑制、寿命1.5倍
Ensures minimal crater wear and a 1.5x extension of tool life



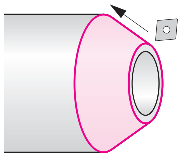


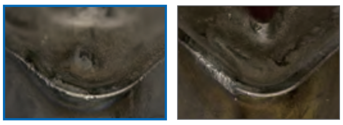
AC8015P + GE (150個/C) | 従来品 Conv. (100個/C)

インサート：CNMG120412N-GE (AC8015P)
Insert
切削条件：v_c=200-260m/min f=0.3-0.4mm/rev a_p=1.5mm Wet
Cutting Conditions

炭素鋼 パイプ Carbon steel pipe

チッピング抑制、寿命2倍
Excellent chipping resistance ensures minimal damage and a 2x extension of tool life



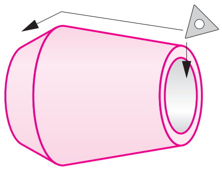


AC8015P + MU (25個/C) | 他社品B Comp's B (12個/C)

インサート：CNMG120412N-MU (AC8015P) 粗加工 Roughing
Insert
切削条件：v_c=160m/min f=0.45mm/rev a_p=2.50mm Wet
Cutting Conditions

SUJ2 ツールホルダ Tool holder

欠損抑制、寿命1.7倍
Ensures minimal breakage and a 1.7x extension of tool life

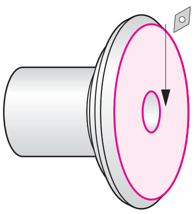


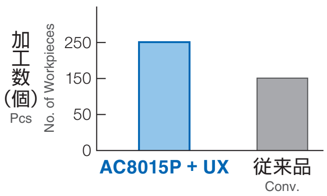
AC8015P + GE (500個/C) | 他社品C Comp's C (300個/C)

インサート：TNMG160404N-GE (AC8015P)
Insert
切削条件：v_c=210-270m/min f=0.2mm/rev a_p=3.3mm Wet
Cutting Conditions

S55C ハブ Hub

摩耗抑制、寿命1.7倍
Ensures minimal wear and a 1.7x extension of tool life

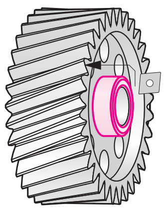


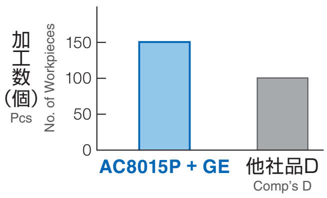


インサート：DNMG150412N-UX (AC8015P)
Insert
切削条件：v_c=240m/min f=0.5mm/rev a_p=1.0-2.5mm Wet
Cutting Conditions

SCM435H ギア Gear

チッピング抑制、寿命1.5倍
Excellent chipping resistance ensures minimal damage and a 1.5x extension of tool life

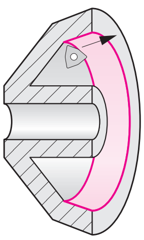




インサート：CNMG120412N-GE (AC8015P)
Insert
切削条件：v_c=200-260m/min f=0.3-0.4mm/rev a_p=2.0mm Wet
Cutting Conditions

SCM420相当 CVT部品 CVD Part

チッピング抑制
Excellent chipping resistance ensures minimal damage

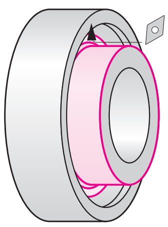


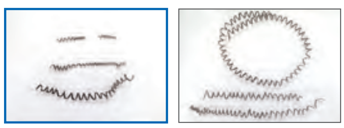
AC8015P + SX (300個/C) | 従来品 Conv. (300個/C)

インサート：WNMG080412N-SX (AC8015P) 黒皮加工 Mill-Scaled Work
Insert
切削条件：v_c=300m/min f=0.2-0.3mm/rev a_p=1.0mm Wet
Cutting Conditions

SCM415 自動車用駆動系部品 Drivetrain part

切りくずの絡み付きを改善し、加工能率向上
Improves chip entanglement for improved machining efficiency





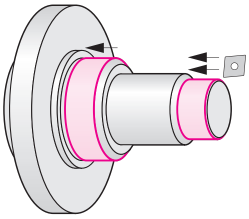
AC8015P + GU | 従来品 Conv.

インサート：DCMT11T308N-GU (AC8015P)
Insert
切削条件：v_c=180m/min f=0.3mm/rev a_p=1.5mm Wet
Cutting Conditions

AC8025P使用実例 Application Example

S45C 自動車用足回り部品 Axle end

クレータ摩耗抑制
Ensures minimal crater wear.

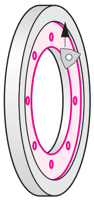


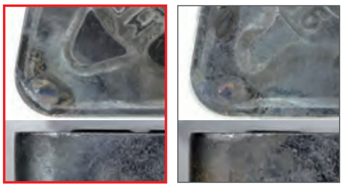
AC8025P + MP （150個/C） | 他社品E Comp's E （150個/C）

インサート：CNMM120416N-MP (AC8025P)
Insert
切削条件：v_c=180-200m/min f=0.43-0.55mm/rev a_p=1.00-3.00mm Wet
Cutting Conditions

SCr415 リングギア Ring gear

チッピング抑制、寿命1.5倍
Ensures an 1.5x extension of tool life



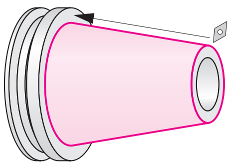


AC8025P + ME （150個/C） | 他社品F Comp's F （100個/C）

インサート：WNMG080416N-ME (AC8025P)
Insert
切削条件：v_c=250m/min f=0.30-0.45mm/rev a_p=2.50mm Wet
Cutting Conditions

SCM415 ツールホルダ Tool holder

溶着欠損抑制、安定加工可能
Excellent chipping resistance ensures minimal damage

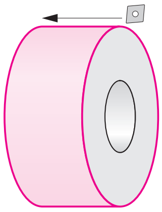


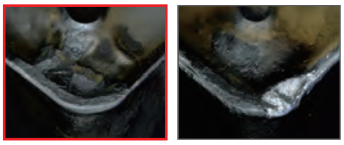
AC8025P + EM （100個/C） | 他社品G Comp's G （100個/C）

インサート：DNMG150608N-EM (AC8025P)
Insert
切削条件：v_c=150m/min f=0.4mm/rev a_p=4.0mm Wet
Cutting Conditions

S45C リング Ring

クレータ摩耗抑制、寿命3倍
Ensures a 3x extension of tool life.



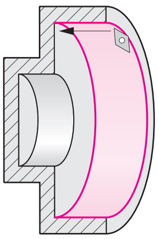


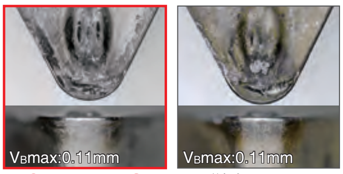
AC8025P + GE （450個/C） | 他社品H Comp's H （150個/C）

インサート：CNMG120408N-GE (AC8025P)
Insert
切削条件：v_c=200-250m/min f=0.25mm/rev a_p=1.00mm Wet
Cutting Conditions

鉄板材 シリンダ Soft steel cylinder

チッピング抑制、寿命2倍
Excellent chipping resistance ensures minimal damage after attaining a 2x life



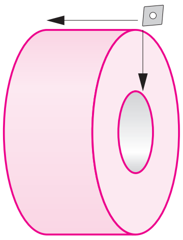


AC8025P + SU （200個/C） | 従来品 Conv. （100個/C）

インサート：DCMT11T308N-SU (AC8025P)
Insert
切削条件：v_c=210m/min f=0.15mm/rev a_p=1.00mm Wet
Cutting Conditions

SMnC420H ブッシュ Bush

逃げ面摩耗抑制
Ensures excellent flank wear resistance

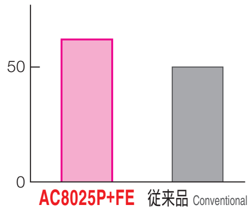


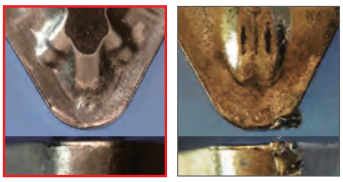
AC8025P + ME （200個/C） | 他社品I Comp's I （200個/C）

インサート：CNMG120416N-ME (AC8025P)
Insert
切削条件：v_c=260m/min f=0.5-1.0mm/rev a_p=1.5-2.0mm Wet
Cutting Conditions

鉄板材 フロントカバー Soft steel front cover

FE型ブレーカとの組合せで むしれ改善、寿命1.2倍
Shows excellent finishing surface by the combination of FE type chipbreaker and ensures an 1.2x extension of tool life.



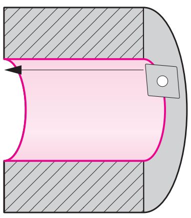


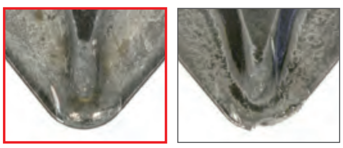
AC8025P + FE | 従来品 Conv.

インサート：TNMG160408N-FE (AC8025P)
Insert
切削条件 端面 Facing：v_c=450-480m/min f=0.25-0.32mm/rev a_p=0.05-0.25mm Wet
Cutting Conditions 内径 Internal：v_c=400m/min f=0.20-0.30mm/rev a_p=0.20-0.30mm Wet

SCr415 締結部品 Fastening parts

強度に優れる設計により、寿命1.5倍を実現
Strong design realizes 1.5 times the tool life





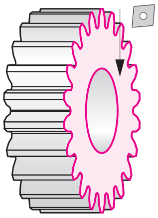
AC8025P + GU | 他社品J Comp's J

インサート：CCMT09T308N-GU (AC8025P)
Insert
切削条件：v_c=190m/min f=0.25mm/rev a_p=1.00mm Wet
Cutting Conditions

S35C プラネタリ・ピニオン Planetary pinion

欠損大幅抑制、寿命1.5倍

Excellent breakage resistance ensures minimal damage
and a 1.5x extension of tool life



AC8035P + UX（300個/C）　従来品 Conv.（200個/C）

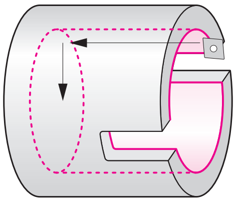
インサート：CNMG120412N-UX（AC8035P）　断続加工
Insert　Interrupted

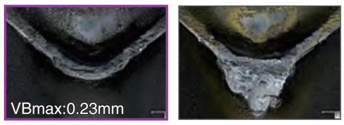
切削条件：v_c=180m/min f=0.3mm/rev a_p=2.0mm Wet
Cutting Conditions

S25C相当 自動車用部品 Automotive part

欠損大幅抑制、寿命延長可能

Excellent breakage resistance ensures minimal damage
and an extended tool life





AC8035P + UX（120個/C）　従来品 Conv.（120個/C）

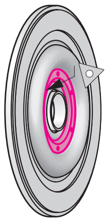
インサート：CNMG120408N-UX（AC8035P）　断続加工
Insert　Interrupted

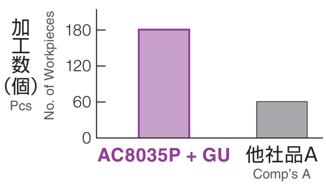
切削条件：v_c=100-130m/min f=0.2mm/rev a_p=1.0-3.2mm Wet
Cutting Conditions

SPH440 フランジ Flange

チッピング抑制、寿命3倍

Excellent chipping resistance ensures minimal damage
and a 3x extension of tool life





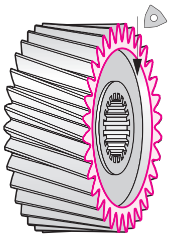
インサート：TNMG160408N-GU（AC8035P）　粗断続加工
Insert　Roughing / Interrupted

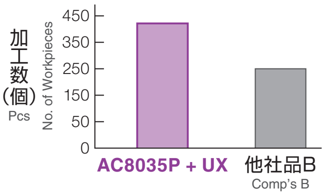
切削条件：v_c=100m/min f=0.3mm/rev a_p=1.5mm Wet
Cutting Conditions

SNCN材 ギア Gear

チッピング抑制、寿命1.7倍

Excellent chipping resistance ensures minimal damage
and a 1.7x extension of tool life





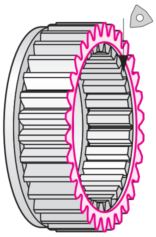
インサート：WNMG080408N-UX（AC8035P）　粗断続加工
Insert　Roughing / Interrupted

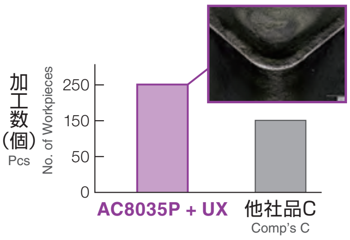
切削条件：v_c=180m/min f=0.15-0.40mm/rev a_p=1.00mm Wet
Cutting Conditions

SCr420相当 リバースギア Reverse gear

チッピング抑制、寿命1.6倍

Excellent chipping resistance ensures minimal damage and
a 1.6x extension of tool life





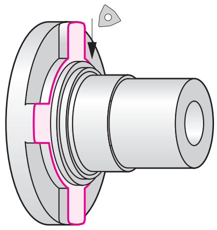
インサート：WNMG080408N-UX（AC8035P）　粗断続加工
Insert　Roughing / Interrupted

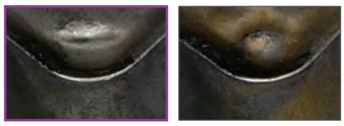
切削条件：v_c=230m/min f=0.15-0.30mm/rev a_p=1.00-2.00mm Wet
Cutting Conditions

SCr440 フランジ Flange

チッピング抑制、寿命1.5倍

Excellent chipping resistance ensures minimal damage and
a 1.5x extension of tool life





AC8035P + GU（90個/C）　他社品D Comp's D（60個/C）

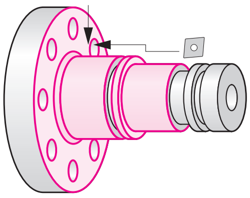
インサート：WNMG080412N-GU（AC8035P）　粗断続加工
Insert　Roughing / Interrupted

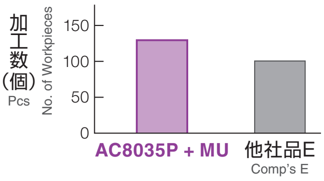
切削条件：v_c=80-200m/min f=0.2mm/rev a_p=1.5mm Dry
Cutting Conditions

合金鋼 自動車用足回り部品 Axle End

チッピング抑制、寿命1.3倍

Excellent chipping resistance ensures minimal damage and
a 1.3x extension of tool life

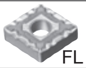
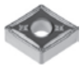
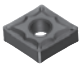
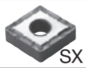




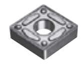
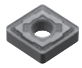
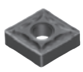
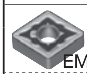
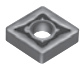
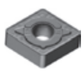
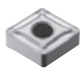
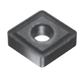
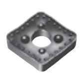
インサート：CNMG190616N-MU（AC8035P）　黒皮連続～断続加工
Insert　Mill-Scaled Work / Continuous to Interrupted

切削条件：v_c=140-280m/min f=0.5mm/rev a_p= 最大5.0mm Dry
Cutting Conditions

ネガティブ 80° 菱形 Negative 80° Diamond Type

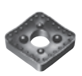
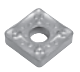
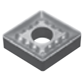
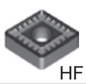
形状 Shape	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法 (mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
	CNMG 090308N-FL		●		9.525	3.18	3.81	0.8
	CNMG 120404N-FL		●		12.7	4.76	5.16	0.4
FL	120408N-FL		●					0.8
	CNMG 090304N-FE	●	●	●	9.525	3.18	3.81	0.4
	090308N-FE	●	●	●				0.8
	CNMG 090404N-FE	●	●	●	9.525	4.76	3.81	0.4
	090408N-FE	●	●	●				0.8
	CNMG 120402N-FE	●	●	●	12.7	4.76	5.16	0.2
	120404N-FE	●	●	●				0.4
	120408N-FE	●	●	●				0.8
FE	120412N-FE	●	●	●				1.2
	CNMG 090304N-LU	●	●		9.525	3.18	3.81	0.4
	090308N-LU	●	●					0.8
LU								
	CNMG 120404N-LU	●	●	●	12.7	4.76	5.16	0.4
	120408N-LU	●	●	●				0.8
LU	120412N-LU	●	●	●				1.2
	CNMG 120404N-LUW	●	●		12.7	4.76	5.16	0.4
	120408N-LUW	●	●					0.8
ワイパー LUW	120412N-LUW	●	●					1.2
	CNMG 090304N-SU	●	●		9.525	3.18	3.81	0.4
	090308N-SU	●	●					0.8
	CNMG 09T304N-SU	●	●		9.525	3.97	3.81	0.4
	09T308N-SU	●	●					0.8
	CNMG 090404N-SU	●	●		9.525	4.76	3.81	0.4
	090408N-SU	●	●					0.8
	090412N-SU	●	●	●				1.2
	CNMG 120404N-SU	●	●	●	12.7	4.76	5.16	0.4
	120408N-SU	●	●	●				0.8
SU	120412N-SU	●	●	●				1.2
	CNMG 120404N-SE	●	●	●	12.7	4.76	5.16	0.4
	120408N-SE	●	●	●				0.8
SE	120412N-SE	●	●	●				1.2
	CNMG 090404N-SEW	●	●	●	9.525	4.76	3.81	0.4
	090408N-SEW	●	●	●				0.8
	CNMG 120404N-SEW	●	●		12.7	4.76	5.16	0.4
	120408N-SEW	●	●					0.8
ワイパー SEW	120412N-SEW	●	●					1.2
	CNMG 120404N-EF	●	●	●	12.7	4.76	5.16	0.4
	120408N-EF	●	●	●				0.8
EF	120412N-EF	●	●	●				1.2
	CNMG 120404N-SX	●	●	●	12.7	4.76	5.16	0.4
	120408N-SX	●	●	●				0.8
SX	120412N-SX	●	●	●				1.2
	CNMG 090304N-GU	●	●	●	9.525	3.18	3.81	0.4
	090308N-GU	●	●	●				0.8
	CNMG 090404N-GU		●		9.525	4.76	3.81	0.4
	090408N-GU		●					0.8
	090412N-GU	●	●	●				1.2
	CNMG 120404N-GU	●	●	●	12.7	4.76	5.16	0.4
	120408N-GU	●	●	●				0.8
	120412N-GU	●	●	●				1.2
	120416N-GU	●	●	●				1.6
	CNMG 160608N-GU	●	●	●	15.875	6.35	6.35	0.8
	160612N-GU	●	●	●				1.2
GU	160616N-GU	●	●	●				1.6
	CNMG 120404N-GE	●	●	●	12.7	4.76	5.16	0.4
	120408N-GE	●	●	●				0.8
	120412N-GE	●	●	●				1.2
	120416N-GE	●	●	●				1.6
	CNMG 160608N-GE	●	●	●	15.875	6.35	6.35	0.8
	160612N-GE	●	●	●				1.2
	160616N-GE	●	●	●				1.6
	CNMG 190612N-GE	●	●	●	19.05	6.35	7.94	1.2
GE	190616N-GE	●	●	●				1.6
	CNMG 120408N-GUW	●	●		12.7	4.76	5.16	0.8
	120412N-GUW	●	●					1.2
ワイパー GUW	CNMG 160612N-GUW	●	●	●	15.875	6.35	6.35	1.2
	CNMG 090304N-UX			●	9.525	3.18	3.81	0.4
	090308N-UX			●				0.8
	CNMG 120404N-UX	●	●	●	12.7	4.76	5.16	0.4
	120408N-UX	●	●	●				0.8
	120412N-UX	●	●	●				1.2
	120416N-UX	●	●	●				1.6
	CNMG 160608N-UX	●	●	●	15.875	6.35	6.35	0.8
	160612N-UX	●	●	●				1.2
	160616N-UX	●	●	●				1.6
	CNMG 190608N-UX			●	19.05	6.35	7.94	0.8
	190612N-UX	●	●	●				1.2
UX	190616N-UX	●	●	●				1.6

ネガティブ 80° 菱形(つづき) Negative 80° Diamond Type (Con't)

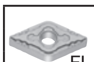
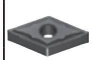
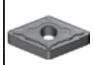
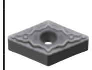
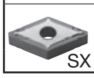
形状 Shape	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法 (mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
	CNMG 090304N-UG		●	●	9.525	3.18	3.81	0.4
	090308N-UG		●	●				0.8
	CNMG 09T304N-UG		●		9.525	3.97	3.81	0.4
	09T308N-UG		●					0.8
	CNMG 090404N-UG		●		9.525	4.76	3.81	0.4
	090408N-UG		●	●				0.8
	CNMG 120404N-UG		●	●	12.7	4.76	5.16	0.4
	120408N-UG		●	●				0.8
	120412N-UG		●	●				1.2
	120416N-UG		●	●				1.6
	CNMG 160608N-UG			●	15.875	6.35	6.35	0.8
	160612N-UG			●				1.2
UG	160616N-UG		●	●				1.6
	CNMG 190608N-UG			●	19.05	6.35	7.94	0.8
	190612N-UG		●	●				1.2
UG	190616N-UG		●	●				1.6
	CNMG 120404N-EG	●	●	●	12.7	4.76	5.16	0.4
	120408N-EG	●	●	●				0.8
	120412N-EG	●	●	●				1.2
	CNMG 160608N-EG	●	●	●	15.875	6.35	6.35	0.8
	160612N-EG	●	●	●				1.2
	160616N-EG	●	●	●				1.6
	CNMG 190612N-EG	●	●	●	19.05	6.35	7.94	1.2
EG	190616N-EG	●	●	●				1.6
	CNMG 120408N-MU	●	●	●	12.7	4.76	5.16	0.8
	120412N-MU	●	●	●				1.2
	120416N-MU	●	●	●				1.6
	CNMG 160608N-MU	●	●	●	15.875	6.35	6.35	0.8
	160612N-MU	●	●	●				1.2
	160616N-MU	●	●	●				1.6
	CNMG 190608N-MU			●	19.05	6.35	7.94	0.8
	190612N-MU	●	●	●				1.2
	190616N-MU	●	●	●				1.6
	190624N-MU	●	●	●				2.4
MU	CNMG 250924N-MU	●	●	●	25.4	9.52	9.12	2.4
	CNMG 120408N-EM	●	●	●	12.7	4.76	5.16	0.8
	120412N-EM	●	●	●				1.2
EM	120416N-EM	●	●	●				1.6
	CNMG 160608N-EM	●	●	●	15.875	6.35	6.35	0.8
	160612N-EM	●	●	●				1.2
	160616N-EM	●	●	●				1.6
	CNMG 190612N-EM	●	●	●	19.05	6.35	7.94	1.2
	190616N-EM	●	●	●				1.6
	190624N-EM	●	●	●				2.4
EM	CNMG 250924N-EM	●	●	●	25.4	9.52	9.12	2.4
	CNMG 120408N-ME	●	●	●	12.7	4.76	5.16	0.8
	120412N-ME	●	●	●				1.2
	120416N-ME	●	●	●				1.6
	CNMG 160608N-ME	●	●	●	15.875	6.35	6.35	0.8
	160612N-ME	●	●	●				1.2
	160616N-ME	●	●	●				1.6
	CNMG 190612N-ME	●	●	●	19.05	6.35	7.94	1.2
	190616N-ME	●	●	●				1.6
	190624N-ME	●	●	●				2.4
ME	CNMG 250924N-ME	●	●	●	25.4	9.52	9.12	2.4
	CNMG 120408N-MX		●	●	12.7	4.76	5.16	0.8
	120412N-MX		●	●				1.2
	120416N-MX		●					1.6
	CNMG 160608N-MX		●		15.875	6.35	6.35	0.8
	160612N-MX		●	●				1.2
	160616N-MX		●	●				1.6
	CNMG 190612N-MX		●	●	19.05	6.35	7.94	1.2
MX	190616N-MX		●	●				1.6
	CNMG 120404N-UZ		●		12.7	4.76	5.16	0.4
	120408N-UZ		●	●				0.8
	120412N-UZ		●	●				1.2
	120416N-UZ		●					1.6
	CNMG 160608N-UZ		●	●	15.875	6.35	6.35	0.8
	160612N-UZ		●	●				1.2
	160616N-UZ		●	●				1.6
	CNMG 190608N-UZ		●	●	19.05	6.35	7.94	0.8
	190612N-UZ		●	●				1.2
UZ	190616N-UZ		●	●				1.6
	CNMM 120408N-MP	●	●	●	12.7	4.76	5.16	0.8
	120412N-MP	●	●	●				1.2
	120416N-MP	●	●	●				1.6
	CNMM 160608N-MP		●	●	15.875	6.35	6.35	0.8
	160612N-MP	●	●	●				1.2
MP	160616N-MP	●	●	●				1.6

●印：標準在庫品　無印：受注生産品　ワイパー：ワイパーインサート
●mark : Standard stock item Blank : Made to order item ワイパー : Wiper insert

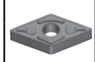
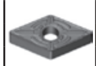
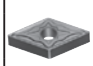
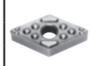
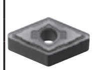
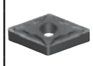
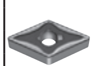
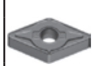
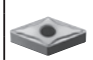
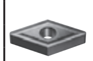
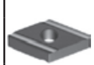
ネガティブ 80° 菱形（つづき） Negative 80° Diamond Type (Con't)

形 状 Shape	型 番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸 法（mm） Dimensions 内接円 Inscribed circle	厚 さ Thickness	穴 径 Hole	コーナー半 径 Corner radius
	CNMM 190608N-MP		●	●	19.05	6.35	7.94	0.8
	190612N-MP	●	●	●				1.2
	190616N-MP	●	●	●				1.6
	190624N-MP	●	●	●				2.4
	CNMM 250724N-MP		●		25.4	7.94	9.12	2.4
MP	CNMM 250924N-MP		●		25.4	9.52	9.12	2.4
	CNMM 120408N-HG	●	●	●	12.7	4.76	5.16	0.8
	120412N-HG	●	●	●				1.2
	120416N-HG		●					1.6
	CNMM 160612N-HG	●	●	●	15.875	6.35	6.35	1.2
	160616N-HG	●	●	●				1.6
	CNMM 190612N-HG	●	●	●	19.05	6.35	7.94	1.2
	190616N-HG	●	●	●				1.6
HG	190624N-HG	●	●	●				2.4
	CNMM 120408N-HP		●	●	12.7	4.76	5.16	0.8
	120412N-HP		●	●				1.2
	120416N-HP		●	●				1.6
	CNMM 160608N-HP		●	●	15.875	6.35	6.35	0.8
	160612N-HP		●	●				1.2
	160616N-HP		●	●				1.6
	CNMM 190608N-HP		●	●	19.05	6.35	7.94	0.8
	190612N-HP		●	●				1.2
	190616N-HP		●	●				1.6
HP	190624N-HP		●	●				2.4
	CNMM 190616N-HF		●	●	19.05	6.35	7.94	1.6
	190624N-HF		●	●				2.4
	CNMM 250924N-HF		●	●	25.4	9.52	9.12	2.4
HF	250932N-HF		●	●				3.2

ネガティブ 55° 菱形 Negative 55° Diamond Type

形 状 Shape	型 番 Cat. No.	AC8015P	AC8025P	AC8035P	内接円 Inscribed circle	厚 さ Thickness	穴 径 Hole	コーナー半 径 Corner radius
	DNMG 150404N-FL		●		12.7	4.76	5.16	0.4
	150408N-FL		●					0.8
FL	150412N-FL		●					1.2
	DNMG 110404N-FE	●	●	●	9.525	4.76	3.81	0.4
	110408N-FE	●	●	●				0.8
	110412N-FE	●	●	●				1.2
	DNMG 150402N-FE	●	●	●	12.7	4.76	5.16	0.2
	150404N-FE	●	●	●				0.4
	150408N-FE	●	●	●				0.8
	150412N-FE	●	●	●				1.2
	DNMG 150602N-FE	●	●	●	12.7	6.35	5.16	0.2
	150604N-FE	●	●	●				0.4
	150608N-FE	●	●	●				0.8
FE	150612N-FE	●	●	●				1.2
	DNMG 110404N-LU	●	●		9.525	4.76	3.81	0.4
	110408N-LU	●	●					0.8
	DNMG 150402N-LU	●	●		12.7	4.76	5.16	0.2
	150404N-LU	●	●	●				0.4
	150408N-LU	●	●	●				0.8
LU	150412N-LU	●	●	●				1.2
	DNMG 110404N-SU	●	●	●	9.525	4.76	3.81	0.4
	110408N-SU	●	●	●				0.8
	110412N-SU	●	●	●				1.2
	DNMG 150404N-SU	●	●	●	12.7	4.76	5.16	0.4
	150408N-SU	●	●	●				0.8
	150412N-SU	●	●					1.2
	DNMG 150604N-SU	●	●		12.7	6.35	5.16	0.4
	150608N-SU	●	●	●				0.8
SU	150612N-SU	●	●	●				1.2
	DNMG 110408N-SE	●	●	●	9.525	4.76	3.81	0.8
	DNMG 150404N-SE	●	●	●	12.7	4.76	5.16	0.4
	150408N-SE	●	●	●				0.8
SE	150412N-SE	●	●	●				1.2
	DNMX 110404N-SEW	●	●	●	9.525	4.76	3.81	0.4※
	110408N-SEW	●	●	●				0.8※
	110412N-SEW	●	●	●				1.2※
	DNMX 150404N-SEW	●	●		12.7	4.76	5.16	0.4※
	150408N-SEW	●	●					0.8※
ワイパー SEW	150412N-SEW	●	●					1.2※
	DNMG 110404N-EF	●	●	●	9.525	4.76	3.81	0.4
	110408N-EF	●	●	●				0.8
	110412N-EF	●	●	●				1.2
	DNMG 150404N-EF	●	●	●	12.7	4.76	5.16	0.4
	150408N-EF	●	●	●				0.8
	150412N-EF	●	●	●				1.2
	DNMG 150604N-EF	●	●	●	12.7	6.35	5.16	0.4
	150608N-EF	●	●	●				0.8
EF	150612N-EF	●	●	●				1.2
	DNMG 150404N-SX	●	●	●	12.7	4.76	5.16	0.4
	150408N-SX	●	●	●				0.8
SX	150412N-SX	●	●	●				1.2

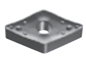
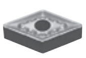
ネガティブ 55° 菱形（つづき） Negative 55° Diamond Type (Con't)

形 状 Shape	型 番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸 法（mm） Dimensions 内接円 Inscribed circle	厚 さ Thickness	穴 径 Hole	コーナー半 径 Corner radius
	DNMG 110404N-GU	●	●	●	9.525	4.76	3.81	0.4
	110408N-GU	●	●	●				0.8
	110412N-GU	●	●	●				1.2
	DNMG 150404N-GU	●	●	●	12.7	4.76	5.16	0.4
	150408N-GU	●	●	●				0.8
	150412N-GU	●	●	●				1.2
	150416N-GU		●					1.6
	DNMG 150604N-GU	●	●	●	12.7	6.35	5.16	0.4
	150608N-GU	●	●	●				0.8
	150612N-GU	●	●	●				1.2
GU	150616N-GU		●					1.6
	DNMG 110408N-GE	●	●	●	9.525	4.76	3.81	0.8
	110412N-GE	●	●	●				1.2
	DNMG 150404N-GE	●	●	●	12.7	4.76	5.16	0.4
	150408N-GE	●	●	●				0.8
	150412N-GE	●	●	●				1.2
	150416N-GE		●					1.6
	DNMG 150604N-GE	●	●	●	12.7	6.35	5.16	0.4
	150608N-GE	●	●	●				0.8
	150612N-GE	●	●	●				1.2
GE	150616N-GE	●	●	●				1.6
	DNMG 110408N-UX	●	●	●	9.525	4.76	3.81	0.8
	DNMG 150404N-UX	●	●	●	12.7	4.76	5.16	0.4
	150408N-UX	●	●	●				0.8
	150412N-UX	●	●	●				1.2
	DNMG 150604N-UX	●	●	●	12.7	6.35	5.16	0.4
	150608N-UX	●	●	●				0.8
	150612N-UX	●	●	●				1.2
UX	150616N-UX		●					1.6
	DNMG 110404N-UG		●	●	9.525	4.76	3.81	0.4
	110408N-UG		●	●				0.8
	DNMG 150404N-UG			●	12.7	4.76	5.16	0.4
	150408N-UG		●	●				0.8
	150412N-UG		●	●				1.2
	DNMG 150604N-UG		●		12.7	6.35	5.16	0.4
	150608N-UG		●	●				0.8
	150612N-UG		●					1.2
UG	150616N-UG		●					1.6
	DNMG 110408N-EG	●	●	●	9.525	4.76	3.81	0.8
	110412N-EG	●	●	●				1.2
	DNMG 150404N-EG	●	●	●	12.7	4.76	5.16	0.4
	150408N-EG	●	●	●				0.8
	150412N-EG	●	●	●				1.2
	DNMG 150604N-EG	●	●	●	12.7	6.35	5.16	0.4
	150608N-EG	●	●	●				0.8
EG	150612N-EG	●	●	●				1.2
	DNMG 150408N-MU	●	●	●	12.7	4.76	5.16	0.8
	150412N-MU	●	●	●				1.2
	150416N-MU		●	●				1.6
	DNMG 150608N-MU	●	●	●	12.7	6.35	5.16	0.8
	150612N-MU	●	●	●				1.2
MU	150616N-MU		●					1.6
	DNMG 150408N-EM	●	●	●	12.7	4.76	5.16	0.8
	150412N-EM	●	●	●				1.2
	150416N-EM		●	●				1.6
	DNMG 150608N-EM	●	●	●	12.7	6.35	5.16	0.8
EM	150612N-EM	●	●	●				1.2
	DNMG 150408N-ME	●	●	●	12.7	4.76	5.16	0.8
	150412N-ME	●	●	●				1.2
	150416N-ME		●					1.6
	DNMG 150608N-ME	●	●	●	12.7	6.35	5.16	0.8
	150612N-ME	●	●	●				1.2
ME	150616N-ME	●	●	●				1.6
	DNMG 150408N-MX		●	●	12.7	4.76	5.16	0.8
	150412N-MX		●	●				1.2
	DNMG 150608N-MX		●		12.7	6.35	5.16	0.8
MX	150612N-MX		●					1.2
	DNMG 150404N-UZ		●		12.7	4.76	5.16	0.4
	150408N-UZ		●	●				0.8
	150412N-UZ		●	●				1.2
	DNMG 150608N-UZ		●		12.7	6.35	5.16	0.8
UZ	150612N-UZ		●					1.2
	DNMG 150404R-HM	●	●	●	12.7	4.76	5.16	0.4
	150404L-HM		●					0.4
	150408R-HM	●	●	●				0.8
HM	150408L-HM		●					0.8
	DNMM 150404N-MP		●	●	12.7	4.76	5.16	0.4
	150408N-MP	●	●	●				0.8
	150412N-MP	●	●	●				1.2
MP	150416N-MP	●	●					1.6

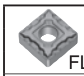
※ 近似値、ISO 規格に準拠しておりません。Approximation, ISO standard non-compliance

●印：標準在庫品　無印：受注生産品　ワイパー：ワイパーインサート
●mark : Standard stock item Blank : Made to order item ワイパー : Wiper insert

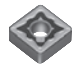
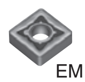
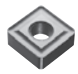
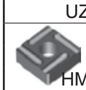
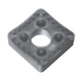
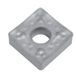
ネガティブ 55° 菱形（つづき） Negative 55° Diamond Type (Con't)

形状 Shape	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法 (mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
 MP	DNMM 150604N-MP		●		12.7	6.35	5.16	0.4
	150608N-MP	●	●	●				0.8
	150612N-MP	●	●	●				1.2
	150616N-MP	●	●					1.6
 HP	DNMM 150404N-HP		●	●	12.7	4.76	5.16	0.4
	150408N-HP		●	●				0.8
	150412N-HP		●	●				1.2
	150416N-HP		●					1.6
	DNMM 150604N-HP		●		12.7	6.35	5.16	0.4
	150608N-HP		●	●				0.8
	150612N-HP		●	●				1.2
	150616N-HP		●					1.6

ネガティブ正方形 Negative Square Type

形状 Shape	型番 Cat. No.	AC8015P	AC8025P	AC8035P	内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
 FL	SNMG 120408N-FL		●		12.7	4.76	5.16	0.8
 FE	SNMG 120404N-FE	●	●	●	12.7	4.76	5.16	0.4
	120408N-FE	●	●	●				0.8
	120412N-FE	●	●	●				1.2
 LU	SNMG 120408N-LU	●	●		12.7	4.76	5.16	0.8
	120412N-LU	●	●					1.2
 SU	SNMG 120408N-SU	●	●	●	12.7	4.76	5.16	0.8
 SE	SNMG 120408N-SE	●	●	●	12.7	4.76	5.16	0.8
	120412N-SE	●	●	●				1.2
 EF	SNMG 120404N-EF	●	●	●	12.7	4.76	5.16	0.4
	120408N-EF	●	●	●				0.8
 SX	SNMG 120408N-SX	●	●	●	12.7	4.76	5.16	0.8
	120412N-SX	●	●	●				1.2
 GU	SNMG 090304N-GU		●		9.525	3.18	3.81	0.4
	090308N-GU	●	●	●				0.8
	SNMG 120404N-GU	●	●	●	12.7	4.76	5.16	0.4
	120408N-GU	●	●	●				0.8
	120412N-GU	●	●	●				1.2
	120416N-GU	●	●	●				1.6
	SNMG 150608N-GU	●	●	●	15.875	6.35	6.35	0.8
	150612N-GU	●	●	●				1.2
	150616N-GU	●	●	●				1.6
 GE	SNMG 120408N-GE	●	●	●	12.7	4.76	5.16	0.8
	120412N-GE	●	●	●				1.2
	120416N-GE	●	●	●				1.6
	SNMG 150608N-GE	●	●	●	15.875	6.35	6.35	0.8
	150612N-GE	●	●	●				1.2
	150616N-GE	●	●	●				1.6
 UX	SNMG 090308N-UX			●	9.525	3.18	3.81	0.8
	SNMG 120404N-UX			●	12.7	4.76	5.16	0.4
	120408N-UX	●	●	●				0.8
	120412N-UX	●	●	●				1.2
	120416N-UX	●	●	●				1.6
	SNMG 190612N-UX	●	●	●	19.05	6.35	7.94	1.2
	190616N-UX	●	●	●				1.6
 UG	SNMG 090308N-UG		●	●	9.525	3.18	3.81	0.8
	SNMG 120408N-UG		●	●	12.7	4.76	5.16	0.8
	120412N-UG		●	●				1.2
	120416N-UG			●				1.6
	SNMG 150612N-UG			●	15.875	6.35	6.35	1.2
	SNMG 190612N-UG			●	19.05	6.35	7.94	1.2
	190616N-UG			●				1.6
	SNMG 250924N-UG			●	25.4	9.52	9.12	2.4
 EG	SNMG 120404N-EG	●	●	●	12.7	4.76	5.16	0.4
	120408N-EG	●	●	●				0.8
	120412N-EG	●	●	●				1.2
	SNMG 150608N-EG	●	●	●	15.875	6.35	6.35	0.8
	150612N-EG	●	●	●				1.2
	150616N-EG	●	●	●				1.6
	SNMG 190612N-EG	●	●	●	19.05	6.35	7.94	1.2
	190616N-EG	●	●	●				1.6
 MU	SNMG 120408N-MU	●	●	●	12.7	4.76	5.16	0.8
	120412N-MU	●	●	●				1.2
	120416N-MU	●	●	●				1.6
	SNMG 150608N-MU	●	●	●	15.875	6.35	6.35	0.8
	150612N-MU	●	●	●				1.2
	150616N-MU	●	●	●				1.6

ネガティブ正方形（つづき） Negative Square Type (Con't)

形状 Shape	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法 (mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
 MU	SNMG 190612N-MU	●	●	●	19.05	6.35	7.94	1.2
	190616N-MU	●	●	●				1.6
	190624N-MU	●	●	●				2.4
	SNMG 250924N-MU	●	●	●	25.4	9.52	9.12	2.4
 EM	SNMG 120408N-EM	●	●	●	12.7	4.76	5.16	0.8
	120412N-EM	●	●	●				1.2
	SNMG 150608N-EM	●	●	●	15.875	6.35	6.35	0.8
	150612N-EM	●	●	●				1.2
	150616N-EM	●	●	●				1.6
 EM	SNMG 190612N-EM	●	●	●	19.05	6.35	7.94	1.2
	190616N-EM	●	●	●				1.6
	190624N-EM	●	●	●				2.4
	SNMG 250924N-EM	●	●	●	25.4	9.52	9.12	2.4
 ME	SNMG 120408N-ME	●	●	●	12.7	4.76	5.16	0.8
	120412N-ME	●	●	●				1.2
	120416N-ME	●	●	●				1.6
	SNMG 150608N-ME	●	●	●	15.875	6.35	6.35	0.8
	150612N-ME	●	●	●				1.2
	150616N-ME	●	●	●				1.6
	SNMG 190612N-ME	●	●	●	19.05	6.35	7.94	1.2
	190616N-ME	●	●	●				1.6
	190624N-ME	●	●	●				2.4
	SNMG 250924N-ME	●	●	●	25.4	9.52	9.12	2.4
 MX	SNMG 120408N-MX		●	●	12.7	4.76	5.16	0.8
	120412N-MX		●	●				1.2
	120416N-MX		●					1.6
	SNMG 150612N-MX		●		15.875	6.35	6.35	1.2
	150616N-MX		●					1.6
	SNMG 190612N-MX		●	●	19.05	6.35	7.94	1.2
	190616N-MX		●	●				1.6
 UZ	SNMG 120408N-UZ		●	●	12.7	4.76	5.16	0.8
	120412N-UZ		●	●				1.2
	120416N-UZ		●	●				1.6
	SNMG 150612N-UZ		●	●	15.875	6.35	6.35	1.2
	SNMG 190612N-UZ		●	●	19.05	6.35	7.94	1.2
	190616N-UZ		●	●				1.6
 HM	SNMG 120408R-HM	●	●	●	12.7	4.76	5.16	0.8
	120408L-HM	●	●	●				0.8
 MP	SNMM 120408N-MP	●	●	●	12.7	4.76	5.16	0.8
	120412N-MP	●	●	●				1.2
	120416N-MP	●	●	●				1.6
	120420N-MP		●					2.0
	SNMM 150612N-MP	●	●		15.875	6.35	6.35	1.2
	150616N-MP	●	●					1.6
	SNMM 190612N-MP	●	●	●	19.05	6.35	7.94	1.2
	190616N-MP	●	●	●				1.6
	SNMM 250724N-MP	●	●	●	25.4	7.94	9.12	2.4
	SNMM 250924N-MP	●	●		25.4	9.52	9.12	2.4
	SNMM 310924N-MP	●	●		31.75	9.52	8.8	2.4
 HG	SNMM 120408N-HG	●	●	●	12.7	4.76	5.16	0.8
	120412N-HG	●	●	●				1.2
	120416N-HG	●	●	●				1.6
	SNMM 150616N-HG	●	●		15.875	6.35	6.35	1.6
	SNMM 190612N-HG	●	●	●	19.05	6.35	7.94	1.2
	190616N-HG	●	●	●				1.6
	190624N-HG	●	●	●				2.4
 HP	SNMM 120408N-HP		●	●	12.7	4.76	5.16	0.8
	120412N-HP		●	●				1.2
	120416N-HP		●	●				1.6
	SNMM 190612N-HP		●	●	19.05	6.35	7.94	1.2
	190616N-HP		●	●				1.6
	SNMM 250724N-HP	●	●	●	25.4	7.94	9.12	2.4
	SNMM 250924N-HP	●	●		25.4	9.52	9.12	2.4
	SNMM 310924N-HP	●	●		31.75	9.52	8.8	2.4
 HU	SNMM 250724N-HU	●	●		25.4	7.94	9.12	2.4
	SNMM 250924N-HU	●	●		25.4	9.52	9.12	2.4
	SNMM 310924N-HU	●	●		31.75	9.52	8.8	2.4
 HW	SNMM 250724N-HW	●	●		25.4	7.94	9.12	2.4
	SNMM 250924N-HW	●	●		25.4	9.52	9.12	2.4
	SNMM 310924N-HW	●	●		31.75	9.52	8.8	2.4
 HF	SNMM 190616N-HF		●	●	19.05	6.35	7.94	1.6
	190624N-HF		●	●				2.4
	SNMM 250724N-HF		●	●	25.4	7.94	9.12	2.4
	250732N-HF		●	●				3.2
	SNMM 250924N-HF		●	●	25.4	9.52	9.12	2.4
	250932N-HF		●	●				3.2
	SNMM 310924N-HF		●	●	31.75	9.52	8.8	2.4

●印：標準在庫品　無印：受注生産品
●mark : Standard stock item Blank : Made to order item

ネガティブ三角形 Negative Triangular Type

形状 Shape	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法 (mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
FL	TNMG 160404N-FL		●		9.525	4.76	3.81	0.4
	160408N-FL		●					0.8
FE	TNMG 160402N-FE	●	●	●	9.525	4.76	3.81	0.2
	160404N-FE	●	●	●				0.4
	160408N-FE	●	●	●				0.8
	160412N-FE	●	●	●				1.2
LU	TNMG 160404N-LU	●	●	●	9.525	4.76	3.81	0.4
	160408N-LU	●	●	●				0.8
	160412N-LU	●	●	●				1.2
SU	TNMG 160404N-SU	●	●	●	9.525	4.76	3.81	0.4
	160408N-SU	●	●	●				0.8
	160412N-SU	●	●					1.2
SE	TNMG 160404N-SE	●	●	●	9.525	4.76	3.81	0.4
	160408N-SE	●	●	●				0.8
	160412N-SE	●	●	●				1.2
	TNMG 220404N-SE	●	●	●	12.7	4.76	5.16	0.4
	220408N-SE	●	●	●				0.8
	220412N-SE	●	●	●				1.2
EF	TNMG 160404N-EF	●	●	●	9.525	4.76	3.81	0.4
	160408N-EF	●	●	●				0.8
SX	TNMG 160304N-SX	●	●		9.525	3.18	3.81	0.4
	160308N-SX	●	●	●				0.8
	TNMG 160404N-SX	●	●	●	9.525	4.76	3.81	0.4
	160408N-SX	●	●	●				0.8
	TNMG 220404N-SX	●	●	●	12.7	4.76	5.16	0.4
	220408N-SX	●	●	●				0.8
	220412N-SX	●	●	●				1.2
GU	TNMG 160404N-GU	●	●	●	9.525	4.76	3.81	0.4
	160408N-GU	●	●	●				0.8
	160412N-GU	●	●	●				1.2
	160416N-GU	●	●	●				1.6
	TNMG 220404N-GU		●		12.7	4.76	5.16	0.4
	220408N-GU	●	●	●				0.8
	220412N-GU	●	●	●				1.2
GE	TNMG 160404N-GE	●	●	●	9.525	4.76	3.81	0.4
	160408N-GE	●	●	●				0.8
	160412N-GE	●	●	●				1.2
	TNMG 220408N-GE	●	●	●	12.7	4.76	5.16	0.8
	220412N-GE	●	●	●				1.2
UX	TNMG 160404N-UX	●	●	●	9.525	4.76	3.81	0.4
	160408N-UX	●	●	●				0.8
	160412N-UX	●	●	●				1.2
	TNMG 220408N-UX	●	●	●	12.7	4.76	5.16	0.8
	220412N-UX	●	●	●				1.2
UG	TNMG 160404N-UG		●	●	9.525	4.76	3.81	0.4
	160408N-UG		●	●				0.8
	160412N-UG		●	●				1.2
	160416N-UG		●	●				1.6
UG	TNMG 220408N-UG		●	●	12.7	4.76	5.16	0.8
	220412N-UG		●	●				1.2
EG	TNMG 160404N-EG	●	●	●	9.525	4.76	3.81	0.4
	160408N-EG	●	●	●				0.8
	160412N-EG	●	●	●				1.2
MU	TNMG 160408N-MU	●	●	●	9.525	4.76	3.81	0.8
	160412N-MU	●	●	●				1.2
	TNMG 220408N-MU	●	●	●	12.7	4.76	5.16	0.8
	220412N-MU	●	●	●				1.2
	220416N-MU	●	●	●				1.6
	TNMG 270612N-MU		●	●	15.875	6.35	6.35	1.2
	270616N-MU		●					1.6
EM	TNMG 160408N-EM	●	●	●	9.525	4.76	3.81	0.8
	160412N-EM	●	●	●				1.2
	TNMG 330924N-EM		●	●	19.05	9.52	7.93	2.4
ME	TNMG 160408N-ME	●	●	●	9.525	4.76	3.81	0.8
	160412N-ME	●	●	●				1.2
	TNMG 220408N-ME	●	●	●	12.7	4.76	5.16	0.8
	220412N-ME	●	●	●				1.2
	220416N-ME	●	●	●				1.6
MX	TNMG 160408N-MX		●	●	9.525	4.76	3.81	0.8
	160412N-MX		●	●				1.2
	TNMG 220408N-MX		●	●	12.7	4.76	5.16	0.8
	220412N-MX		●	●				1.2

ネガティブ三角形（つづき） Negative Triangular Type (Con't)

形状 Shape	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法 (mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
UZ	TNMG 160404N-UZ		●		9.525	4.76	3.81	0.4
	160408N-UZ		●	●				0.8
	160412N-UZ		●	●				1.2
	160416N-UZ		●					1.6
	160420N-UZ		●					2.0
	TNMG 220408N-UZ		●	●	12.7	4.76	5.16	0.8
	220412N-UZ		●	●				1.2
	220416N-UZ		●	●				1.6
	TNMG 270608N-UZ		●		15.875	6.35	6.35	0.8
	270612N-UZ		●					1.2
	270616N-UZ		●	●				1.6
HM	TNMG 160404R-HM	●	●	●	9.525	4.76	3.81	0.4
	160404L-HM	●	●	●				0.4
	160408R-HM	●	●	●				0.8
	160408L-HM	●	●	●				0.8
	TNMG 220404R-HM	●	●	●	12.7	4.76	5.16	0.4
	220404L-HM	●	●	●				0.4
	220408R-HM	●	●	●				0.8
	220408L-HM	●	●	●				0.8
MP	TNMM 160404N-MP		●		9.525	4.76	3.81	0.4
	160408N-MP		●	●				0.8
	160412N-MP		●	●				1.2
	TNMM 220408N-MP		●	●	12.7	4.76	5.16	0.8
	220412N-MP		●	●				1.2
	220416N-MP		●	●				1.6
	TNMM 270612N-MP		●		15.875	6.35	6.35	1.2
	270616N-MP		●					1.6
HG	TNMM 220408N-HG		●	●	12.7	4.76	5.16	0.8
	220412N-HG		●	●				1.2
	220416N-HG		●	●				1.6
HP	TNMM 160408N-HP		●	●	9.525	4.76	3.81	0.8
	160412N-HP		●	●				1.2
	TNMM 220408N-HP		●	●	12.7	4.76	5.16	0.8
	220412N-HP		●	●				1.2
	220416N-HP		●					1.6
	TNMM 270612N-HP		●	●	15.875	6.35	6.35	1.2
	270616N-HP		●	●				1.6

●印：標準在庫品　無印：受注生産品　ワイパー：ワイパーインサート
●mark : Standard stock item Blank : Made to order item ワイパー : Wiper insert

ネガティブ 35° 菱形 Negative 35° Diamond Type

形状 Shape	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法(mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
FL	VNMG 160404N-FL		●		9.525	4.76	3.81	0.4
	160408N-FL		●					0.8
FE	VNMG 160402N-FE	●	●	●	9.525	4.76	3.81	0.2
	160404N-FE	●	●	●				0.4
	160408N-FE	●	●	●				0.8
	160412N-FE	●	●	●				1.2
LU	VNMG 160404N-LU	●	●		9.525	4.76	3.81	0.4
	160408N-LU	●	●					0.8
	160412N-LU	●						1.2
SU	VNMG 160404N-SU	●	●	●	9.525	4.76	3.81	0.4
	160408N-SU	●	●	●				0.8
SE	VNMG 160404N-SE	●	●	●	9.525	4.76	3.81	0.4
	160408N-SE	●	●	●				0.8
EF	VNMG 160402N-EF	●	●	●	9.525	4.76	3.81	0.2
	160404N-EF	●	●	●				0.4
	160408N-EF	●	●	●				0.8
SX	VNMG 160404N-SX	●	●	●	9.525	4.76	3.81	0.4
	160408N-SX	●	●	●				0.8
GU	VNMG 160404N-GU	●	●	●	9.525	4.76	3.81	0.4
	160408N-GU	●	●	●				0.8
	160412N-GU	●	●	●				1.2
GE	VNMG 160404N-GE	●	●	●	9.525	4.76	3.81	0.4
	160408N-GE	●	●	●				0.8
	160412N-GE	●	●	●				1.2
UX	VNMG 160404N-UX	●	●	●	9.525	4.76	3.81	0.4
	160408N-UX	●	●	●				0.8
	160412N-UX	●	●	●				1.2
UG	VNMG 160404N-UG		●	●	9.525	4.76	3.81	0.4
	160408N-UG		●	●				0.8
EG	VNMG 160404N-EG	●	●	●	9.525	4.76	3.81	0.4
	160408N-EG	●	●	●				0.8
	160412N-EG	●	●	●				1.2
UZ	VNMG 160404N-UZ		●	●	9.525	4.76	3.81	0.4
	160408N-UZ		●	●				0.8
	160412N-UZ		●	●				1.2

ネガティブ六角形 Negative Trigon Type

形状 Shape	型番 Cat. No.	AC8015P	AC8025P	AC8035P	内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
FL	WNMG 080404N-FL		●		12.7	4.76	5.16	0.4
	080408N-FL		●					0.8
FE	WNMG 060404N-FE	●	●	●	9.525	4.76	3.81	0.4
	060408N-FE	●	●	●				0.8
	WNMG 080402N-FE	●	●	●	12.7	4.76	5.16	0.2
	080404N-FE	●	●	●				0.4
	080408N-FE	●	●	●				0.8
	080412N-FE	●	●	●				1.2
LU	WNMG 060404N-LU	●	●	●	9.525	4.76	3.81	0.4
	060408N-LU	●	●	●				0.8
	060412N-LU	●	●	●				1.2
	WNMG 080404N-LU	●	●	●	12.7	4.76	5.16	0.4
	080408N-LU	●	●	●				0.8
	080412N-LU	●	●	●				1.2
ワイパー LUW	WNMG 060404N-LUW	●	●		9.525	4.76	3.81	0.4
	060408N-LUW	●	●					0.8
ワイパー LUW	WNMG 080404N-LUW	●	●		12.7	4.76	5.16	0.4
	080408N-LUW	●	●					0.8
	080412N-LUW	●	●					1.2
SU	WNMG 06T304N-SU		●		9.525	3.97	3.81	0.4
	06T308N-SU		●					0.8
	WNMG 060404N-SU	●	●	●	9.525	4.76	3.81	0.4
	060408N-SU	●	●	●				0.8
	060412N-SU	●	●	●				1.2
	WNMG 080404N-SU	●	●	●	12.7	4.76	5.16	0.4
	080408N-SU	●	●	●				0.8
	080412N-SU	●	●	●				1.2

ネガティブ六角形（つづき） Negative Trigon Type (Con't)

形状 Shape	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法(mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
SE	WNMG 080404N-SE	●	●	●	12.7	4.76	5.16	0.4
	080408N-SE	●	●	●				0.8
	080412N-SE	●	●	●				1.2
ワイパー SEW	WNMG 060404N-SEW	●	●	●	9.525	4.76	3.81	0.4
	060408N-SEW	●	●	●				0.8
	WNMG 080404N-SEW	●	●		12.7	4.76	5.16	0.4
	080408N-SEW	●	●					0.8
	080412N-SEW	●	●					1.2
EF	WNMG 060404N-EF	●	●	●	9.525	4.76	3.81	0.4
	060408N-EF	●	●	●				0.8
	WNMG 080404N-EF	●	●	●	12.7	4.76	5.16	0.4
	080408N-EF	●	●	●				0.8
SX	WNMG 080404N-SX	●	●	●	12.7	4.76	5.16	0.4
	080408N-SX	●	●	●				0.8
	080412N-SX	●	●	●				1.2
GU	WNMG 060404N-GU	●	●	●	9.525	4.76	3.81	0.4
	060408N-GU	●	●	●				0.8
	060412N-GU	●	●	●				1.2
	WNMG 080404N-GU	●	●	●	12.7	4.76	5.16	0.4
	080408N-GU	●	●	●				0.8
	080412N-GU	●	●	●				1.2
GE	WNMG 060408N-GE	●	●	●	9.525	4.76	3.81	0.8
	060412N-GE	●	●	●				1.2
GE	WNMG 080404N-GE	●	●	●	12.7	4.76	5.16	0.4
	080408N-GE	●	●	●				0.8
	080412N-GE	●	●	●				1.2
	080416N-GE	●	●	●				1.6
ワイパー GUW	WNMG 060408N-GUW	●	●	●	9.525	4.76	3.81	0.8
	WNMG 080408N-GUW	●	●		12.7	4.76	5.16	0.8
	080412N-GUW	●	●					1.2
UX	WNMG 080404N-UX	●	●	●	12.7	4.76	5.16	0.4
	080408N-UX	●	●	●				0.8
	080412N-UX	●	●	●				1.2
UG	WNMG 06T304N-UG		●		9.525	3.97	3.81	0.4
	06T308N-UG		●					0.8
	WNMG 060404N-UG		●		9.525	4.76	3.81	0.4
	060408N-UG		●					0.8
	WNMG 080404N-UG		●	●	12.7	4.76	5.16	0.4
	080408N-UG		●	●				0.8
	080412N-UG		●	●				1.2
EG	WNMG 060408N-EG	●	●	●	9.525	4.76	3.81	0.8
	060412N-EG	●	●	●				1.2
	WNMG 080404N-EG	●	●	●	12.7	4.76	5.16	0.4
	080408N-EG	●	●	●				0.8
	080412N-EG	●	●	●				1.2
MU	WNMG 060408N-MU		●		9.525	4.76	3.81	0.8
	060412N-MU		●					1.2
	WNMG 080408N-MU	●	●	●	12.7	4.76	5.16	0.8
	080412N-MU	●	●	●				1.2
	080416N-MU	●	●					1.6
EM	WNMG 080408N-EM	●	●	●	12.7	4.76	5.16	0.8
	080412N-EM	●	●	●				1.2
ME	WNMG 060408N-ME	●	●	●	9.525	4.76	3.81	0.8
	060412N-ME	●	●	●				1.2
	WNMG 080408N-ME	●	●	●	12.7	4.76	5.16	0.8
	080412N-ME	●	●	●				1.2
	080416N-ME	●	●	●				1.6
MX	WNMG 080408N-MX		●	●	12.7	4.76	5.16	0.8
	080412N-MX		●	●				1.2
UZ	WNMG 080404N-UZ		●		12.7	4.76	5.16	0.4
	080408N-UZ		●	●				0.8
	080412N-UZ		●	●				1.2

●印：標準在庫品　無印：受注生産品　ワイパー：ワイパーインサート
●mark : Standard stock item Blank : Made to order item ワイパー : Wiper insert

ポジティブ 80° 菱形 Positive 80° Diamond Type

形状 Shape	逃げ角 Relief angle	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法 (mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
LU	7°	CCMT 060202N-LU	●	●		6.35	2.38	2.8	0.2
		060204N-LU	●	●					0.4
		CCMT 09T304N-LU	●	●		9.525	3.97	4.4	0.4
		09T308N-LU	●	●					0.8
ワイパー LUW	7°	CCMT 09T304N-LUW	●	●		9.525	3.97	4.4	0.4
		09T308N-LUW	●	●					0.8
LB	7°	CCMT 060202N-LB		●	●	6.35	2.38	2.8	0.2
		060204N-LB		●	●				0.4
		060208N-LB		●	●				0.8
		CCMT 09T302N-LB		●	●	9.525	3.97	4.4	0.2
		09T304N-LB		●	●				0.4
		09T308N-LB		●	●				0.8
SU	7°	CCMT 060202N-SU	●	●	●	6.35	2.38	2.8	0.2
		060204N-SU	●	●	●				0.4
		060208N-SU	●	●	●				0.8
		CCMT 09T302N-SU	●	●	●	9.525	3.97	4.4	0.2
		09T304N-SU	●	●	●				0.4
		09T308N-SU	●	●	●				0.8
		CCMT 120404N-SU	●	●	●	12.7	4.76	5.5	0.4
		120408N-SU	●	●	●				0.8
SC	7°	CCMT 060204N-SC		●		6.35	2.38	2.8	0.4
		CCMT 080304N-SC		●		7.94	3.18	3.4	0.4
		CCMT 090308N-SC		●		9.525	3.18	4.4	0.8
		CCMT 120408N-SC		●		12.7	4.76	5.5	0.8
New GU	7°	CCMT 060204N-GU New	🔴	🔴	🔴	6.35	2.38	2.8	0.4
		060208N-GU New	🔴	🔴	🔴				0.8
		CCMT 09T304N-GU New	🔴	🔴	🔴	9.525	3.97	4.4	0.4
		09T308N-GU New	🔴	🔴	🔴				0.8
		CCMT 120408N-GU New	🔴	🔴	🔴	12.7	4.76	5.5	0.8
MU	7°	CCMT 09T304N-MU	●	●		9.525	3.97	4.4	0.4
		09T308N-MU	●	●	●				0.8
LU	11°	CPMT 080204N-LU	●	●		7.94	2.38	3.4	0.4
		CPMT 090304N-LU	●	●		9.525	3.18	4.4	0.4
		090308N-LU	●	●					0.8
ワイパー LUW	11°	CPMT 090304N-LUW	●	●		9.525	3.18	4.4	0.4
		090308N-LUW	●	●					0.8
LB	11°	CPMT 080204N-LB		●	●	7.94	2.38	3.4	0.4
		CPMT 090304N-LB		●	●	9.525	3.18	4.4	0.4
		090308N-LB		●	●				0.8
SU	11°	CPMT 080204N-SU	●	●	●	7.94	2.38	3.4	0.4
		080208N-SU	●	●	●				0.8
		CPMT 090304N-SU	●	●	●	9.525	3.18	4.4	0.4
		090308N-SU	●	●	●				0.8
New GU	11°	CPMT 090304N-GU New	🔴	🔴	🔴	9.525	3.18	4.4	0.4
		090308N-GU New	🔴	🔴	🔴				0.8
MU	11°	CPMT 080204N-MU	●	●		7.94	2.38	3.4	0.4
		080208N-MU	●	●					0.8
		CPMT 090304N-MU	●	●		9.525	3.18	4.4	0.4
		090308N-MU	●	●					0.8

ポジティブ 55° 菱形 Positive 55° Diamond Type

形状 Shape	逃げ角 Relief angle	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法 (mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
LU	7°	DCMT 070202N-LU	●	●		6.35	2.38	2.8	0.2
		070204N-LU	●	●					0.4
LU	7°	DCMT 11T302N-LU	●	●		9.525	3.97	4.4	0.2
		11T304N-LU	●	●					0.4
		11T308N-LU	●	●					0.8
LB	7°	DCMT 070202N-LB		●	●	6.35	2.38	2.8	0.2
		070204N-LB		●	●				0.4
		070208N-LB		●	●				0.8
		DCMT 11T302N-LB		●	●	9.525	3.97	4.4	0.2
		11T304N-LB		●	●				0.4
		11T308N-LB		●	●				0.8
SU	7°	DCMT 070202N-SU	●	●	●	6.35	2.38	2.8	0.2
		070204N-SU	●	●	●				0.4
		070208N-SU	●	●	●				0.8
		DCMT 11T302N-SU	●	●	●	9.525	3.97	4.4	0.2
		11T304N-SU	●	●	●				0.4
		11T308N-SU	●	●	●				0.8
New GU	7°	DCMT 070204N-GU New	🔴	🔴	🔴	6.35	2.38	2.8	0.4
		070208N-GU New	🔴	🔴	🔴				0.8
		DCMT 11T302N-GU New	🔴	🔴	🔴	9.525	3.97	4.4	0.2
		11T304N-GU New	🔴	🔴	🔴				0.4
		11T308N-GU New	🔴	🔴	🔴				0.8
		11T312N-GU New		🔴					1.2
MU	7°	DCMT 11T304N-MU	●	●		9.525	3.97	4.4	0.4
		11T308N-MU	●	●	●				0.8

ポジティブ円形 Positive Round Type

形状 Shape	逃げ角 Relief angle	型番 Cat. No.	AC8015P	AC8025P	AC8035P	内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
RX	7°	RCMT 1003M0N-RX	●	●	●	10.0	3.18	4.4	—
		1204M0N-RX	●	●	●	12.0	4.76	4.4	—
		1606M0N-RX	●	●	●	16.0	6.35	5.0	—
		2006M0N-RX	●	●	●	20.0	6.35	6.5	—
		2507M0N-RX	●	●	●	25.0	7.94	7.6	—
RH	7°	RCMT 1204M0N-RH	●	●	●	12.0	4.76	4.4	—
		1606M0N-RH	●	●	●	16.0	6.35	5.0	—
		2006M0N-RH	●	●	●	20.0	6.35	6.5	—
RP	7°	RCMX 1003M0N-RP	●	●	●	10.0	3.18	3.6	—
		1204M0N-RP	●	●	●	12.0	4.76	4.2	—
		1606M0N-RP	●	●	●	16.0	6.35	5.2	—
		2006M0N-RP	●	●	●	20.0	6.35	6.5	—
		2507M0N-RP	●	●	●	25.0	7.94	7.2	—
		3209M0N-RP	●	●		32.0	9.52	9.5	—

ポジティブ正方形 Positive Square Type

形状 Shape	逃げ角 Relief angle	型番 Cat. No.	AC8015P	AC8025P	AC8035P	内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
LU	7°	SCMT 09T304N-LU	●	●		9.525	3.97	4.4	0.4
		09T308N-LU	●	●					0.8
LB	7°	SCMT 09T304N-LB		●	●	9.525	3.97	4.4	0.4
		09T308N-LB		●	●				0.8
SU	7°	SCMT 09T304N-SU	●	●	●	9.525	3.97	4.4	0.4
		09T308N-SU	●	●	●				0.8
		SCMT 120404N-SU	●	●	●	12.7	4.76	5.5	0.4
		120408N-SU	●	●	●				0.8
New GU	7°	SCMT 09T304N-GU New	🔴	🔴	🔴	9.525	3.97	4.4	0.4
		09T308N-GU New	🔴	🔴	🔴				0.8
		SCMT 120408N-GU New	🔴	🔴	🔴	12.7	4.76	5.5	0.8
MU	7°	SCMT 09T308N-MU	●	●		9.525	3.97	4.4	0.8
		SCMT 120408N-MU	●	●		12.7	4.76	5.5	0.8
LU	11°	SPMT 090304N-LU	●	●		9.525	3.18	3.4	0.4
		090308N-LU	●	●					0.8
LB	11°	SPMT 090304N-LB		●	●	9.525	3.18	3.4	0.4
		090308N-LB		●	●				0.8
SF	11°	SPMT 090304N-SF		●	●	9.525	3.18	3.3	0.4
		090308N-SF		●	●				0.8

●印：標準在庫品　🔴印：標準在庫品（拡充品）　無印：受注生産品　ワイパー：ワイパーインサート
●mark : Standard stock item　🔴mark : Standard stocked item (expanded)　Blank : Made to order item　ワイパー : Wiper insert

ポジティブ三角形 Positive Triangular Type

形状 Shape	逃げ角 Relief angle	型番 Cat. No.	在庫 Stock AC8015P	AC8025P	AC8035P	寸法(mm) Dimensions 内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
LU	7°	TCMT 110204N-LU	●	●		6.35	2.38	2.8	0.4
		110208N-LU	●	●					0.8
LB	7°	TCMT 110204N-LB		●	●	6.35	2.38	2.8	0.4
		110208N-LB		●	●				0.8
SU	7°	TCMT 110204N-SU	●	●	●	6.35	2.38	2.8	0.4
		110208N-SU	●	●	●				0.8
		TCMT 16T304N-SU	●	●	●	9.525	3.97	4.3	0.4
		16T308N-SU	●	●	●				0.8
LU	11°	TPMT 090202N-LU	●	●		5.56	2.38	2.8	0.2
		090204N-LU	●	●					0.4
		TPMT 110304N-LU	●	●		6.35	3.18	3.4	0.4
		110308N-LU	●	●					0.8
LB	11°	TPMT 080202N-LB		●	●	4.76	2.38	2.4	0.2
		080204N-LB		●	●				0.4
		TPMT 090202N-LB		●	●	5.56	2.38	2.8	0.2
		090204N-LB		●	●				0.4
		TPMT 110302N-LB		●	●	6.35	3.18	3.4	0.2
		110304N-LB		●	●				0.4
		110308N-LB		●	●				0.8
		TPMT 160304N-LB		●	●	9.525	3.18	4.4	0.4
		160308N-LB		●	●				0.8
		TPMT 160404N-LB		●	●	9.525	4.76	4.4	0.4
		160408N-LB		●	●				0.8
SU	11°	TPMT 110302N-SU	●	●	●	6.35	3.18	3.4	0.2
		110304N-SU	●	●	●				0.4
		110308N-SU	●	●	●				0.8
SU	11°	TPMT 160404N-SU	●	●	●	9.525	4.76	4.4	0.4
		160408N-SU	●	●	●				0.8
New GU	11°	TPMT 110304N-GU New	●	●	●	6.35	3.18	3.4	0.4
		110308N-GU New	●	●	●				0.8
		TPMT 160404N-GU New	●	●	●	9.525	4.76	4.4	0.4
		160408N-GU New	●	●	●				0.8
MU	11°	TPMT 110304N-MU	●	●		6.35	3.18	3.4	0.4
		110308N-MU	●	●					0.8
MU	11°	TPMT 160404N-MU	●	●		9.525	4.76	4.4	0.4
		160408N-MU	●	●					0.8
SF	11°	TPMH 110304N-SF		●	●	6.35	3.18	3.3	0.4
		110308N-SF		●	●				0.8
		TPMT 160404N-SF		●	●	9.525	4.76	4.3	0.4
		160408N-SF		●	●				0.8

ポジティブ 35°菱形 Positive 35° Diamond Type

形状 Shape	逃げ角 Relief angle	型番 Cat. No.	AC8015P	AC8025P	AC8035P	内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
LU	5°	VBMT 110304N-LU	●	●		6.35	3.18	2.8	0.4
		110308N-LU	●	●					0.8
		VBMT 160404N-LU	●	●		9.525	4.76	4.4	0.4
		160408N-LU	●	●					0.8
LB	5°	VBMT 110302N-LB		●	●	6.35	3.18	2.8	0.2
		110304N-LB		●	●				0.4
		110308N-LB		●	●				0.8
		VBMT 160404N-LB		●	●	9.525	4.76	4.4	0.4
		160408N-LB		●	●				0.8
		160412N-LB		●	●				1.2
SU	5°	VBMT 110304N-SU		●		6.35	3.18	2.8	0.4
		110308N-SU		●					0.8
		VBMT 160404N-SU	●	●	●	9.525	4.76	4.4	0.4
		160408N-SU	●	●	●				0.8
		160412N-SU	●	●					1.2
New GU	5°	VBMT 110304N-GU New	●	●	●	6.35	3.18	2.8	0.4
		110308N-GU New	●	●	●				0.8
		VBMT 160404N-GU New	●	●	●	9.525	4.76	4.4	0.4
		160408N-GU New	●	●	●				0.8
LU	7°	VCMT 160404N-LU	●	●		9.525	4.76	4.4	0.4
		160408N-LU	●	●					0.8
LB	7°	VCMT 080202N-LB		●	●	4.76	2.38	2.3	0.2
		080204N-LB		●	●				0.4
		VCMT 160404N-LB		●	●	9.525	4.76	4.4	0.4
		160408N-LB		●	●				0.8
SU	7°	VCMT 110304N-SU		●		6.35	3.18	2.8	0.4
		110308N-SU		●					0.8
		VCMT 160404N-SU	●	●	●	9.525	4.76	4.4	0.4
		160408N-SU	●	●	●				0.8
New GU	7°	VCMT 160404N-GU New	●	●	●	9.525	4.76	4.4	0.4
		160408N-GU New	●	●	●				0.8

ポジティブ六角形 Positive Trigon Type

形状 Shape	逃げ角 Relief angle	型番 Cat. No.	AC8015P	AC8025P	AC8035P	内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
LB	11°	WPMT 110204N-LB		●	●	6.35	2.38	2.8	0.4
		WPMT 160308N-LB		●	●	9.525	3.18	4.4	0.8

ポジティブ正方形(穴なし) Square Type (Without Insert Hole)

形状 Shape	逃げ角 Relief angle	型番 Cat. No.	AC8015P	AC8025P	AC8035P	内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
SF	11°	SPMR 090304N-SF		●	●	9.525	3.18	–	0.4
		090308N-SF		●	●				0.8
		SPMR 120304N-SF		●	●	12.7	3.18	–	0.4
		120308N-SF		●	●				0.8
		120312N-SF		●					1.2
UJ	11°	SPMR 090304N-UJ		●		9.525	3.18	–	0.4
		090308N-UJ		●	●				0.8
		SPMR 120304N-UJ		●		12.7	3.18	–	0.4
		120308N-UJ		●	●				0.8

ポジティブ三角形(穴なし) Triangular Type (Without Insert Hole)

形状 Shape	逃げ角 Relief angle	型番 Cat. No.	AC8015P	AC8025P	AC8035P	内接円 Inscribed circle	厚さ Thickness	穴径 Hole	コーナー半径 Corner radius
SF	11°	TPMR 110304N-SF		●	●	6.35	3.18	–	0.4
		110308N-SF		●	●				0.8
		TPMR 160304N-SF		●	●	9.525	3.18	–	0.4
		160308N-SF		●	●				0.8
		160312N-SF		●					1.2
UJ	11°	TPMR 110304N-UJ		●	●	6.35	3.18	–	0.4
		110308N-UJ		●	●				0.8
		TPMR 160304N-UJ		●	●	9.525	3.18	–	0.4
		160308N-UJ		●	●				0.8

T-REX インサート(倣い加工用) Inserts for T-REX

ネガティブ 頂角 55° Negative 55° Apex Angle SumiTurn T-REX

形状 Shape	型番 Cat. No.	AC8015P	AC8025P	AC8035P	内接円 Inscribed circle	厚さ Thickness	コーナー半径 Corner radius
FL	TRM 551704-FL		●		10.0	5.0	0.4
	551708-FL		●				0.8
GU	TRM 551704-GU		●		10.0	5.0	0.4
	551708-GU		●				0.8
	551712-GU		●				1.2
LU	TRM 551704-LU		●		10.0	5.0	0.4
	551708-LU		●				0.8
	551712-LU		●				1.2
SU	TRM 551704-SU		●		10.0	5.0	0.4
	551708-SU		●				0.8
	551712-SU		●				1.2

●印:標準在庫品 ●印:標準在庫品(拡充品) 無印:受注生産品

●mark : Standard stock item ●mark : Standard stocked item (expanded) Blank : Made to order item

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- Please handle with care as this product has sharp edges.
- Improper cutting conditions or mis-handling of the tool may result in breakages or projectiles. Therefore, please use the tool within its recommended conditions.
- When using non-water soluble cutting oil, precautions against fire must be taken and please ensure that a fire extinguisher is placed near the machine.

住友電気工業株式会社

Sumitomo Electric Industries, Ltd.

ハードメタル事業部	〒664-0016 兵庫県伊丹市昆陽北1－1－1	TEL (072)772-4531	FAX (072)772-4595
Global Marketing Department	1-1-1, Koyakita, Itami, Hyogo 664-0016, Japan	TEL +81-(72)-772-4535	FAX +81-(72)-771-0088
直需営業部 東京営業グループ	〒107-8468 東京都港区元赤坂1－3－13	TEL (03)6406-2635	FAX (03)6406-4006
直需営業部 名古屋営業グループ	〒451-6036 名古屋市西区牛島町6－1	TEL (052)589-3873	FAX (052)589-3874
	〒471-0835 愛知県豊田市曙町2－80	TEL (0565)26-4370	FAX (0565)26-4366
直需営業部 大阪営業グループ	〒541-0041 大阪市中央区北浜4－7－28	TEL (06)6221-3600	FAX (06)6221-3015

流通販売部 東京市販グループ	TEL (03)6406-2636
流通販売部 名古屋市販グループ	TEL (052)589-3873
流通販売部 大阪市販グループ	TEL (06)6221-3700

営業所 苫小牧 ☎(0144)35-3322	北関東 ☎(0285)24-3627	富士 ☎(0545)53-1152	岡山 ☎(086)221-3052
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住友電工ツールネット株式会社

東京営業部 TEL(03)6406-2814 FAX(03)6406-4037
中部営業部 TEL(052)589-3840 FAX(052)589-3841
大阪営業部 TEL(06)6221-3900 FAX(06)6221-3015

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