



MEAS

NEW

High-Efficiency Milling Cutters for Aluminum Machining

Grooved Insert Pockets with Sharp Edge and Low Cutting Force Design
Simultaneous 3-axis with a Maximum Ramping Angle of 20°
Kyocera's Proprietary Hydrogen-free DLC Coated Inserts

ALUMINUM MILLING

DRILLING

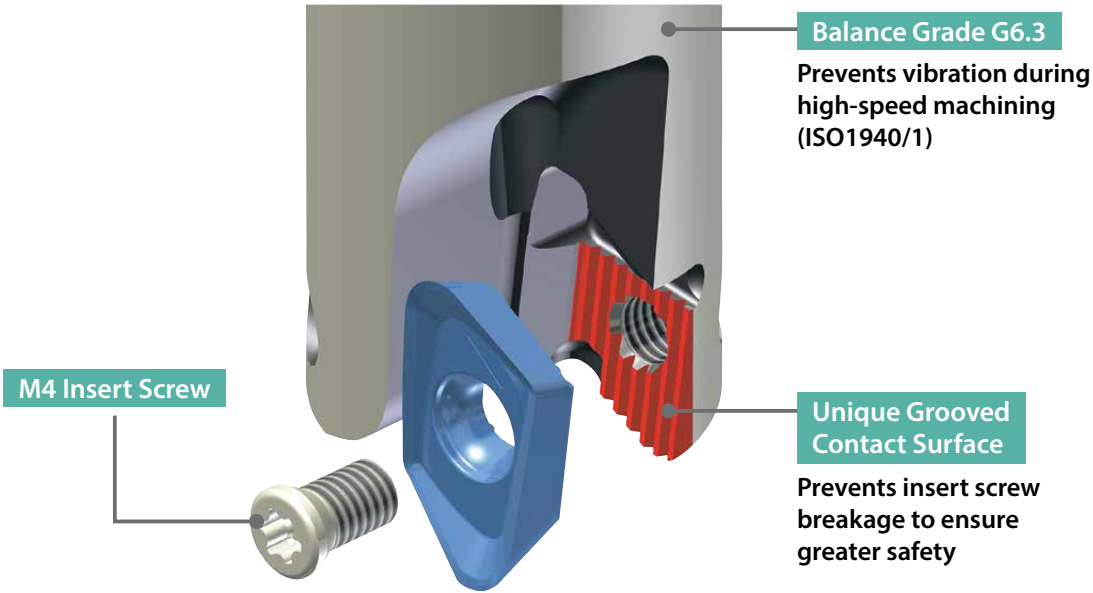
TURNING

GROOVING & CUT-OFF

1 Reliable High Efficiency Machining

Grooved Connection Between the Insert and Holder for High Speed Aluminum Machining

(Ø1.250" / Ø32mm: Recommended Maximum Cutting Speed Vc = 9,842 sfm)

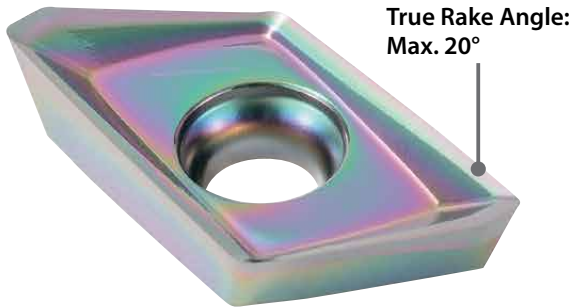


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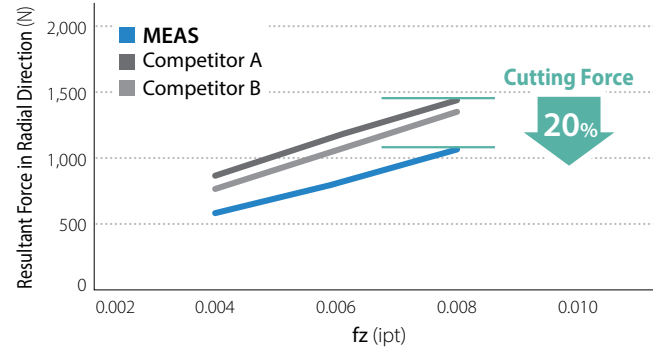
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2 Low Cutting Force with Sharp Cutting Edge

True Rake Angle Max. 20°
 Low Cutting Force and Excellent Chattering Resistance



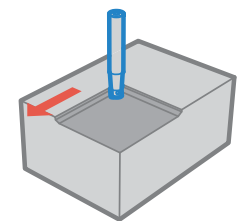
Cutting Force Comparison (Internal Evaluation)



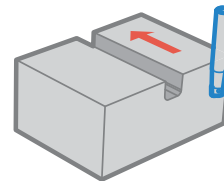
Cutting Conditions: Vc = 1280 sfm, D.O.C. × ae = 0.315" × 0.197", Dry
 Cutter Diameter: Ø25mm (2 Inserts) Workpiece: 7075

3 Machining for a Wide Variety of Applications

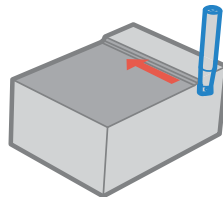
Max. Ramping Angle 20° (Ø1.000" / Ø25mm)
 The MEAS can be used for shouldering, slotting, ramping, and helical milling applications



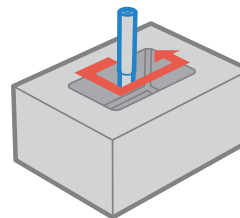
Face Milling & Shouldering



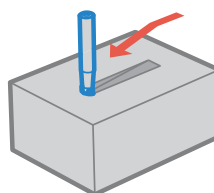
Slotting



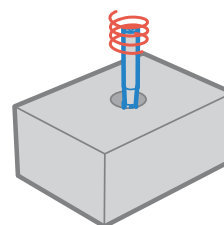
Contouring



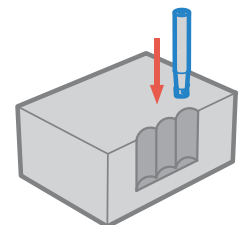
Pocketing



Ramping



Helical Milling



Plunging



MEAS End Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Combination

Pick 1 Cutter Part Number		Cutting Dia.	No. of Insert Pockets	Pick 1 Insert Part Number	Insert Grade	Kit Part Number (Use when Ordering)
Standard Shank (Cylindrical)	MEAS 1000-S1000-13-2T	1.000"	2	KCGT130504FR-AL	PDL025 (for Aluminum Alloy)	MEAS1000 STD KIT1
				KCGT130508FR-AL		MEAS1000 STD KIT2
				KCGT130512FR-AL		MEAS1000 STD KIT3
				KCGT130516FR-AL		MEAS1000 STD KIT4
				KCGT130520FR-AL		MEAS1000 STD KIT5
				KCGT130524FR-AL		MEAS1000 STD KIT6
				KCGT130530FR-AL		MEAS1000 STD KIT7
				KCGT130532FR-AL		MEAS1000 STD KIT8
				KCGT130540FR-AL		MEAS1000 STD KIT9
				KCGT130550FR-AL		MEAS1000 STD KIT10
	MEAS 1250-S1250-13-2T	1.250"	2	KCGT130504FR-AL	PDL025 (for Aluminum Alloy)	MEAS1250 STD KIT1
				KCGT130508FR-AL		MEAS1250 STD KIT2
				KCGT130512FR-AL		MEAS1250 STD KIT3
				KCGT130516FR-AL		MEAS1250 STD KIT4
				KCGT130520FR-AL		MEAS1250 STD KIT5
				KCGT130524FR-AL		MEAS1250 STD KIT6
				KCGT130530FR-AL		MEAS1250 STD KIT7
				KCGT130532FR-AL		MEAS1250 STD KIT8
				KCGT130540FR-AL		MEAS1250 STD KIT9
				KCGT130550FR-AL		MEAS1250 STD KIT10
	MEAS 1500-S1250-13-3T	1.500"	3	KCGT130504FR-AL	PDL025 (for Aluminum Alloy)	MEAS1500 STD KIT1
				KCGT130508FR-AL		MEAS1500 STD KIT2
				KCGT130512FR-AL		MEAS1500 STD KIT3
				KCGT130516FR-AL		MEAS1500 STD KIT4
				KCGT130520FR-AL		MEAS1500 STD KIT5
				KCGT130524FR-AL		MEAS1500 STD KIT6
				KCGT130530FR-AL		MEAS1500 STD KIT7
				KCGT130532FR-AL		MEAS1500 STD KIT8
				KCGT130540FR-AL		MEAS1500 STD KIT9
				KCGT130550FR-AL		MEAS1500 STD KIT10
Long Shank (Cylindrical)	MEAS 1000S1000132T675	1.000"	2	KCGT130504FR-AL	PDL025 (for Aluminum Alloy)	MEAS1000 LNG KIT1
				KCGT130508FR-AL		MEAS1000 LNG KIT2
				KCGT130512FR-AL		MEAS1000 LNG KIT3
				KCGT130516FR-AL		MEAS1000 LNG KIT4
				KCGT130520FR-AL		MEAS1000 LNG KIT5
				KCGT130524FR-AL		MEAS1000 LNG KIT6
				KCGT130530FR-AL		MEAS1000 LNG KIT7
				KCGT130532FR-AL		MEAS1000 LNG KIT8
				KCGT130540FR-AL		MEAS1000 LNG KIT9
				KCGT130550FR-AL		MEAS1000 LNG KIT10
	MEAS 1250S1250132T800	1.250"	2	KCGT130504FR-AL	PDL025 (for Aluminum Alloy)	MEAS1250 LNG KIT1
				KCGT130508FR-AL		MEAS1250 LNG KIT2
				KCGT130512FR-AL		MEAS1250 LNG KIT3
				KCGT130516FR-AL		MEAS1250 LNG KIT4
				KCGT130520FR-AL		MEAS1250 LNG KIT5
				KCGT130524FR-AL		MEAS1250 LNG KIT6
				KCGT130530FR-AL		MEAS1250 LNG KIT7
				KCGT130532FR-AL		MEAS1250 LNG KIT8
				KCGT130540FR-AL		MEAS1250 LNG KIT9
				KCGT130550FR-AL		MEAS1250 LNG KIT10

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MEAS Face Mill Kits

Includes (1) Cutter and (10) Inserts

Choose your Cutter and Insert Combination

Cutter Part Number		Cutting Dia.	No. of Insert Pockets	Pick 1	Insert Grade	Kit Part Number
				Insert Part Number		(Use when Ordering)
Face Mill	MEAS 2000R-13-4T	2.000"	4	KCGT130504FR-AL	PDL025 (for Aluminum Alloy)	MEAS2000 FM KIT1
				KCGT130508FR-AL		MEAS2000 FM KIT2
				KCGT130512FR-AL		MEAS2000 FM KIT3
				KCGT130516FR-AL		MEAS2000 FM KIT4
				KCGT130520FR-AL		MEAS2000 FM KIT5
				KCGT130524FR-AL		MEAS2000 FM KIT6
				KCGT130530FR-AL		MEAS2000 FM KIT7
				KCGT130532FR-AL		MEAS2000 FM KIT8
				KCGT130540FR-AL		MEAS2000 FM KIT9
				KCGT130550FR-AL		MEAS2000 FM KIT10

MEAS Inserts

Insert	Part Number	Dimensions (in)					DLC Coated Carbide
		W1	S	D1	L	RE	PDL025
	KCGT 130504FR-AL	0.390	0.201	0.173	0.555	1/64	●
	KCGT 130508FR-AL				0.547	1/32	●
	KCGT 130512FR-AL				0.543	3/64	●
	KCGT 130516FR-AL				0.524	1/16	●
	KCGT 130520FR-AL					5/64	●
	KCGT 130524FR-AL					3/32	●
	KCGT 130530FR-AL				0.118	●	
	KCGT 130532FR-AL				0.504	1/8	●
	KCGT 130540FR-AL					0.157	●
	KCGT 130550FR-AL					0.197	●

● : Standard Item

Recommended Cutting Conditions

Workpiece	Property	Cutting Speed Vc (sfm)	Feed fz (ipt)
Aluminum Alloy	Si Ratio ≤ 12.5%	660 ~ 3,280 ~ 9,840	0.002" ~ 0.006" ~ 0.010"
	Si Ratio ≥ 12.5%	660 ~ 980 ~ 1,310	0.002" ~ 0.004" ~ 0.008"

Maximum Ramping Angles (RMPX)

Cutting Dia. DC	1.000"	1.250"	1.500"	2.000"
RMPX	20°	12.5°	8.5°	6°