



# TOOL UP & CASH IN

Get a **\$20** (SCAD) MA90 Cutter Body with  
Purchase of 10 Inserts

Promo Code: **MA9010**

MA90 Series **P M K S H**

Multi-Functional 90° Milling with Tangential Inserts  
Cutting Diameters 0.625" - 3.000"

Promo Valid through **March 31, 2026**



Get in touch with your **E.M. Precise Rep** for more details and order now.  
Email [info@emprecise.com](mailto:info@emprecise.com) | Call (905) 664-2644 | Visit us online at [www.emprecise.com](http://www.emprecise.com)

**"Your One-Stop, Tool Shop!"**

# MA90 Milling

Tangential 90° Milling with 4-Edge Inserts



View Online



Full Product Brochure



Watch Video

- Unique tangential 90° end mill design provides a large variety of machining operations
- Newly designed inserts with grades PR18 series coating technology
- High quality surface finish and excellent wall accuracy
- Supports multi-functional machining



**Large Web Thickness**  
High rigidity

**Peripheral Grinding**  
Excellent wall accuracy

**Special Wiper Edge**  
Large relief angle suppresses wear  
High-quality surface finish

**Multi-Functional (G-Class Insert)**  
Supports three-dimensional machining

**Unique Cutting Edge Design**  
Excellent fracture resistance and low cutting force design

**Newly Developed Insert Grade**  
MEGACOAT NANO EX  
PR18 Series delivers longer tool life

Next-generation PVD insert grades PR18 Series provide significantly longer tool life

Extensive lineup of insert grades



Next-generation insert grade

**PR18 Series**

Longer Tool Life with Next-generation Coating for Milling

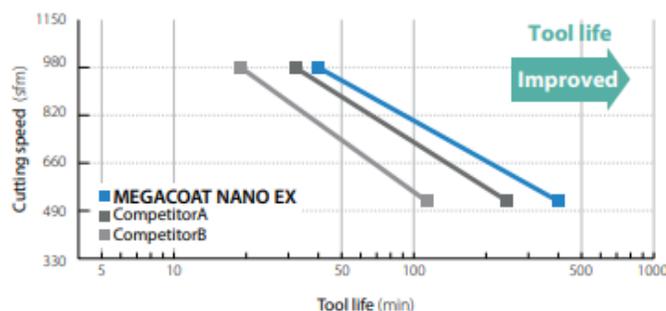
Workpiece material	P Steel					M Stainless steel					K Cast iron				
	01	10	20	30	40	01	10	20	30	40	01	10	20	30	40
ISO															
Lineup	1st recommendation PR1825					1st recommendation PR1835					1st recommendation PR1810				
	Wet PR1835					High-speed machining CA6535									

<b>H</b> Hardened material	PR015S (GH)	<b>S</b> Heat-resistant alloy	CA6535 (PR1835)	Titanium alloy	PR1835
----------------------------	-------------	-------------------------------	-----------------	----------------	--------

PR1825 Wear resistance comparison (Internal evaluation)  
V-T graph

Life criteria:  
Flank face wear = 0.004"

Cutting conditions:  
Vc = 520 / 980 sfm  
D.O.C. = 0.079" × 4.331", fz = 0.005 ipt  
4140 Dry  
PNMU1205ANER-GM (MFPN)



**MA90** (End Mills) [LOGU09 / LOGU12... Inserts]

Promo Code: **MA9010**

Image	Shank	Part Number	Std. Item	No. of Inserts	Insert Purchase Requirement	Dimensions (in)				Coolant Hole	Applicable Inserts Page 4	
						Cutting Dia. DC	Shank Dia DCON	Length LF	Max. D.O.C. APMX			Connection Thread CRKS
	Weldon Standard Shank	MA90- 0625W625-09T2C	●	2	10	0.625	0.625	3.000	0.315	-	Yes	LOGU0904...
		0750W750-09T3C	●	3	10	0.750	0.750	3.250				
		1000W100-09T4C	●	4	10	1.000	1.000	3.750				
		1250W100-09T4C	●	4	10	1.250	1.000	4.000				
		1250W100-09T5C	●	5	10	1.250	1.000	4.000				
		1250W125-09T5C	●	5	10	1.250	1.250	4.000				
		1500W125-09T5C	●	5	10	1.500	1.250	4.350				
		1500W125-09T6C	●	6	10	1.500	1.250	4.350				
		MA90- 1000W100-12T2C	●	2	10	1.000	1.000	3.750	0.472	-	Yes	LOGU1206...
		1250W100-12T2C	●	2	10	1.250	1.000	4.000				
		1250W100-12T3C	●	3	10	1.250	1.000	4.000				
		1250W125-12T3C	●	3	10	1.250	1.250	4.000				
		1500W125-12T3C	●	3	10	1.500	1.250	4.350				
		1500W125-12T4C	●	4	10	1.500	1.250	4.350				
	Cylindrical Standard Shank	MA90- 0625S625-09T2C	●	2	10	0.625	0.625	3.000	0.315	-	Yes	LOGU0904...
		0750S750-09T3C	●	3	10	0.750	0.750	3.250				
		1000S100-09T4C	●	4	10	1.000	1.000	3.750				
		1250S100-09T5C	●	5	10	1.250	1.000	4.000				
		1500S125-09T5C	●	5	10	1.500	1.250	4.350				
		MA90- 0750S750-09T3CL	●	3	10	0.750	0.750	7.000				
	1000S100-09T3CL	●	3	10	1.000	1.000	7.000					
	1500S125-09T3CL	●	3	10	1.500	1.250	9.500					
	Cylindrical Standard Shank	MA90- 1000S100-12T2C	●	2	10	1.000	1.000	3.750	0.472	-	Yes	LOGU1206...
		1250S100-12T3C	●	3	10	1.250	1.000	4.000				
		1500S125-12T4C	●	4	10	1.500	1.250	4.350				
		MA90- 1000S100-12T2CL	●	2	10	1.000	1.000	7.000				
	1500S125-12T3CL	●	3	10	1.500	1.250	9.500					
	Modular Shank	MA90- 0750M10-09T3C	●	3	10	0.750	0.413	1.181	0.315	M10xP1.50	Yes	LOGU0904...
●			4	10	1.000	0.492	1.378	M12xP1.75				
●			5	10	1.250	0.669	1.575	M16xP2.00				
MA90- 1000M12-12T2C		●	2	10	1.000	0.492	1.378	0.472	M12xP1.75	Yes	LOGU1206...	
		●	3	10	1.250	0.669	1.575		M16xP2.00			

**MA90** (Face Mills) [LOGU09 / LOGU12... Inserts]

Image	Cutter Body Part Number	Std. Item	No. of Inserts	Insert Purchase Requirement	Dimensions (in)		Coolant Hole	Applicable Inserts Page 4
					Cutting Dia. DC	Max. D.O.C. APMX		
	MA90- 1500R-09T5C	●	5	10	1.500	0.315	Yes	LOGU0904...
	1500R-09T6C	●	6	10				
	2000R-09T6C	●	6	10				
	2000R-09T7C	●	7	10				
	2500R-09T7C	●	7	10				
	2500R-09T9C	●	9	10				
	MA90- 1500R-12T3C	●	3	10	1.500	0.472	Yes	LOGU1206...
	1500R-12T4C	●	4	10	1.500			
	2000R-12T4C	●	4	10				
	2000R-12T6C	●	6	10	2.000			
	2500R-12T6C	●	6	10				
	2500R-12T8C	●	8	10	2.500			
	3000R-12T8C	●	8	10		3.000		
	3000R-12T10C	●	10	10				



Get in touch with your **E.M. Precise Rep** for more details and order now.

Email [info@emprecise.com](mailto:info@emprecise.com) | Call (905) 664-2644 | Visit us online at [www.emprecise.com](http://www.emprecise.com)

**"Your One - Stop, Tool Shop!"**

LOGU

Promo Code: **MA9010**

Usage Classification		Material Compatibility											Applicable Cutter Body Page 3					
		Carbon steel / Alloy steel				★	☆							P				
★: 1st Recommendation ☆: 2nd Recommendation (Hardness 45HRC or less)		Material Compatibility											M					
		Mold and die steel				★	☆											
		Austenitic stainless steel					☆	★										
		Martensitic stainless steel	★											☆				
		Precipitation hardened stainless steel												★				
		Gray cast iron							★									
		Nodular cast iron							★									
		Heat-resistant alloy	★											☆				
Insert		Part Number		Dimensions (mm)						CVD Coating		MEGACOAT HARD		MEGACOAT NANO EX (PVD Coating)				
				No. of Edges	W1	S	D1	INSL	BS	RE	CA6535	PR015S	PR1810	PR1825	PR1835			
General Purpose (G-Class)		LOGU 090404ER-GM	4	4.3	6.77	3.33	8.89	1.29	0.4	●		●	●	●	MA90-...-09-...			
		LOGU 090408ER-GM			6.71			0.90	0.8	●		●	●	●				
		LOGU 090412ER-GM			6.65			0.49	1.2	●		●	●	●				
		LOGU 090416ER-GM			6.59			0.10	1.6	●		●	●	●				
Low Cutting Force (G-Class)		LOGU 090404ER-SM	4	4.3	6.77	3.33	8.89	1.29	0.4	●		●	●	MA90-...-09-...				
		LOGU 090408ER-SM			6.71			0.89	0.8	●		●	●			●		
		LOGU 090412ER-SM			6.65			0.49	1.2	●		●	●			●		
		LOGU 090416ER-SM			6.59			0.10	1.6	●		●	●			●		
Tough Edge (G-Class)		LOGU 090408ER-GH	4	4.3	6.71	3.33	8.89	0.90	0.8		●	●	●			MA90-...-09-...		
General Purpose (G-Class)		LOGU 120604ER-GM	4	6.6	10.10	4.55	13.28	2.50	0.4	●		●	●				MA90-...-12-...	
		LOGU 120608ER-GM			10.04			2.14	0.8	●		●	●					●
		LOGU 120612ER-GM			9.97			1.79	1.2	●		●	●					●
		LOGU 120616ER-GM			9.92			1.44	1.6	●		●	●		●			
		LOGU 120620ER-GM			9.85			1.08	2.0	●		●	●		●			
		LOGU 120624ER-GM			9.79			0.72	2.4	●		●	●		●			
		LOGU 120630ER-GM			9.69			0.20	3.0	●		●	●		●			
Single-Sided General Purpose (G-Class)		LOGT 120640ER-GM	2	6.6	9.56	4.55	13.28	1.69	4.0	●		●	●	MA90-...-12-...				
		LOGT 120650ER-GM			9.40			0.63	5.0	●		●	●		●			
		LOGT 120660ER-GM			9.24			0.37	6.0	●		●	●		●			
Low Cutting Force (G-Class)		LOGU 120604ER-SM	4	6.6	10.10	4.55	13.28	2.50	0.4	●		●	●		MA90-...-12-...			
		LOGU 120608ER-SM			10.04			2.14	0.8	●		●	●			●		
		LOGU 120612ER-SM			9.97			1.79	1.2	●		●	●			●		
		LOGU 120616ER-SM			9.92			1.44	1.6	●		●	●			●		
		LOGU 120620ER-SM			9.85			1.08	2.0	●		●	●			●		
		LOGU 120624ER-SM			9.79			0.72	2.4	●		●	●			●		
		LOGU 120630ER-SM			9.69			0.20	3.0	●		●	●			●		
Tough Edge (G-Class)		LOGU 120608ER-GH	4	6.6	10.16	4.55	13.25	2.26	0.8		●	●	●			MA90-...-12-...		

● : Standard Item



Get in touch with your **E.M. Precise Rep** for more details and order now.

Email [info@emprecise.com](mailto:info@emprecise.com) | Call (905) 664-2644 | Visit us online at [www.emprecise.com](http://www.emprecise.com)

**“ Your One - Stop , Tool Shop ! ”**