



TOOL UP & CASH IN

Get a **FREE** 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"

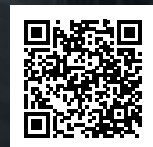


COMPLETE METALWORKING SOLUTIONS
(800) 991-4225 www.ahbinc.com
ISO Certified customerservice@ahbinc.com



Offers shown valid in U.S. only

Promo Valid through
March 31, 2026



Contact a **Sales Engineer**

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

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

H Hardened material

PR015S (GH)

S Heat-resistant alloy

CA6535 (PR1835)

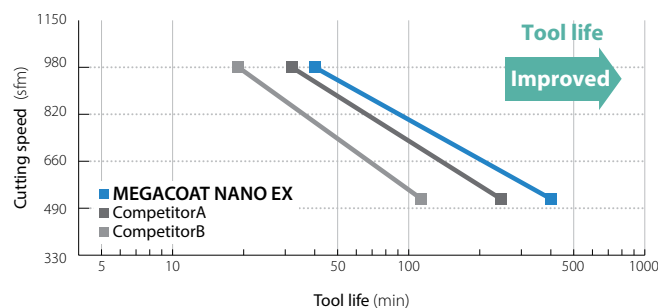
Titanium alloy

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)



Available Cutter Bodies

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

Promo Code: **MA9010**

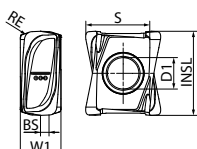
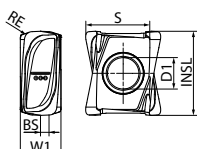
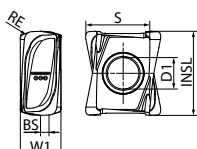
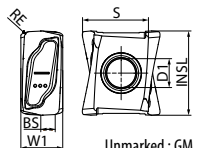
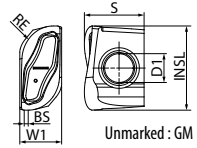
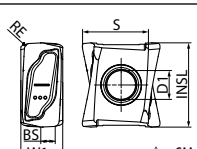
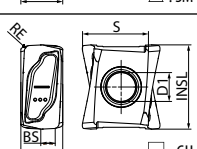
Image	Shank	Part Number	Std. Item	No. of Inserts	Insert Purchase Requirement	Dimensions (in)					Coolant Hole	Applicable Inserts Page 4
						Cutting Dia. DC	Shank Dia DCON	Length LF	Max. D.O.C. APMX	Connection Thread CRKS		
	Weldon Standard Shank	MA90- 0625W625-09T2C	●	2	10	0.625	0.625	3.000	0.315	-	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				
		1500W125-12T4C	●	4	10	1.500	1.250	4.350				
	Cylindrical	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	0.315	-	Yes	LOGU0904...
		1000S100-09T3CL	●	3	10	1.000	1.000	7.000				
		1500S125-09T3CL	●	3	10	1.500	1.250	9.500				
		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	0.472	-	Yes	LOGU1206...
		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...
		1000M12-09T4C	●	4	10	1.000	0.492	1.378		M12xP1.75		
		1250M16-09T5C	●	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...
		1250M16-12T3C	●	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 1500R-09T6C 2000R-09T6C 2000R-09T7C 2500R-09T7C 2500R-09T9C	● 5	10	1.500	0.315	Yes	LOGU0904...	
		● 6	10					
		● 6	10	2.000				
		● 7	10					
		● 7	10	2.500				
		● 9	10					
	MA90- 1500R-12T3C 1500R-12T4C 2000R-12T4C 2000R-12T6C 2500R-12T6C 2500R-12T8C 3000R-12T8C 3000R-12T10C	● 3	10	1.500	0.472	Yes	LOGU1206...	
		● 4	10					
		● 4	10	2.000				
		● 6	10					
		● 6	10	2.500				
		● 8	10					
		● 8	10	3.000				
		● 10	10					

LOGU

Promo Code: **MA9010**

Usage Classification		Carbon steel / Alloy steel										★	☆	P	
		Mold and die steel										★	☆		
★: 1st Recommendation ☆: 2nd Recommendation (Hardness 45HRC or less)	Austenitic stainless steel										☆	★	M		
	Martensitic stainless steel							★				☆			
	Precipitation hardened stainless steel											★			
	Gray cast iron									★			K		
	Nodular cast iron									★					
	Heat-resistant alloy							★				☆	S		
	Titanium alloy											★			
Hard materials (≤ 60 HRC)								★					H		
Insert	Part Number	No. of Edges	Dimensions (mm)						CVD Coating	MEGACOAT HARD	MEGACOAT NANO EX (PVD Coating)			Applicable Cutter Body Page 3	
			W1	S	D1	INSL	BS	RE	CA6535	PR0155	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			●	●	●					
LOGU 090412ER-GM		6.65			0.49			●	●	●					
LOGU 090416ER-GM		6.59			0.10			●	●	●					
 Low Cutting Force (G-Class)		LOGU 090404ER-SM	4	4.3	6.77	3.33	8.89	1.29	0.4	●		●	●	●	
LOGU 090408ER-SM		6.71			0.89			●	●	●					
LOGU 090412ER-SM		6.65			0.49			●	●	●					
LOGU 090416ER-SM		6.59			0.10			●	●	●					
 Tough Edge (G-Class)	 Unmarked : GM △ : SM □ : GH	LOGU 090408ER-GH	4	4.3	6.71	3.33	8.89	0.90	0.8	●	●	●	●	●	
 General Purpose (G-Class)	 Unmarked : GM	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)	 Unmarked : GM	LOGT 120640ER-GM	2	6.6	9.56	4.55	13.28	1.69	4.0	●	●	●	●	●	
LOGT 120650ER-GM		9.40			0.63			5.0	●	●		●			
LOGT 120660ER-GM		9.24			0.37			6.0	●	●		●			
 Low Cutting Force (G-Class)	 △ : SM	LOGU 120604ER-SM	4	6.6	10.10	4.55	13.28	2.50	0.4	●		●	●	●	
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)	 □ : GH	LOGU 120608ER-GH	4	6.6	10.16	4.55	13.25	2.26	0.8	●	●	●	●	●	

●: Standard Item



Contact a Sales Engineer

Need assistance from your local sales engineer?

Our field sales engineers can help you find the right solution for the job.

www.kyoceraprecisiontools.com/sales

www.kyoceraprecisiontools.com


Offers shown valid in U.S. only