

M.A. Ford® PCD



M.A. Ford® PCD, a part of M.A. Ford's Advanced Product Group, features a wide range of high performance, Polycrystalline Diamond (PCD) tipped tools to improve your productivity.

PCD tooling is ideal for more efficient machining of non-ferrous metals, plastics, composite materials, graphite and other hard to machine and abrasive materials.

M.A. Ford® PCD offers end mills and drills. Special tools are quoted upon request.

M.A. Ford® PCD is dedicated to continually developing innovative products manufactured with efficient state-of-the-art technology while offering great value and top quality at reasonable prices.

High Performance PCD Diamond Tools

- DES (M.A. Ford® PCD End Mill Square) Series - 1 & 2 Flutes, see page 487
- DES (M.A. Ford® PCD End Mill Square) Series - Multi-Flute, see page 488
- DEB (M.A. Ford® PCD End Mill Ball) Series, see page 489
- Custom Tool Division - Custom Tooling Solutions
 - DWD (M.A. Ford® PCD Cross Center Tip Drill) Series, see page 490
 - PCD Specials, see page 491

Inch	
D1	Tolerance
1/8" - 3/16"	+0/- .001
1/4" & above	+0/- .002

Inch	
D2	Tolerance (h6)
1/8" - 3/16"	+0/- .00031
1/4" - 3/8"	+0/- .00035
1/2" - 5/8"	+0/- .00043
3/4"	+0/- .00051

Inch	
L1	Tolerance
All Sizes	+/- .040

Inch	
L2	Tolerance
All Sizes	+0.040/- .000

Inch	
R	Tolerance
All Sizes	+0/- .001

Metric	
D1	Tolerance
3mm - 20mm	+0/- .050

Metric	
D2	Tolerance (h6)
3mm	+0/- .006
4mm - 6mm	+0/- .008
8mm - 10mm	+0/- .009
12mm - 16mm	+0/- .011
20mm	+0/- .013

Metric	
L1	Tolerance
All Sizes	+/- 1

Metric	
L2	Tolerance
All Sizes	+1/- 0

Metric	
R	Tolerance
All Sizes	+0/- .025

M.A. Ford® PCD End Mill Numbering System - Inch

First Character	Second Character	Third Character	Fourth Character	Fifth Character	Sixth Character	Seventh Character	Eighth Character
Diamond	End Mill	No. of Flutes	End Style	Nominal Cutting Diameter	Nominal Cutting Diameter	Nominal Cutting Diameter	Nominal Cutting Diameter
D	E	1	S	1	2	5	0
	E=End Mill		S=Square End B=Ball End				

M.A. Ford® PCD End Mill Numbering System - Metric

Diamond	End Mill	No. of Flutes	End Style	Metric	Nominal Cutting Diameter	Nominal Cutting Diameter	Nominal Cutting Diameter	Nominal Cutting Diameter
D	E	1	S	M	0	3	0	0
	E=End Mill		S=Square End B=Ball End					