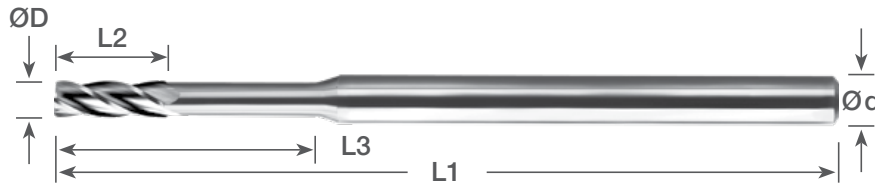


# 4 FLUTE

EXTENDED REACH SQUARE END MILLS  
DEEP REACH MILLING

0.0100" - 0.0625" DIAMETER

Mirror Surface Finishes  
Sub Micron Grain Carbide



## EXTENDED Reach (Inch Sizes)

Uncoated		AlTiN Coating		Dimensions (in)				
Part Number	Stock	Part Number	Stock	ØD <sup>+0.0000 -0.0010</sup>	Ød	L1	L2	L3
1840-0100.100	●	1840-0100L100	●	0.0100	1/8	1 1/2	0.030	0.100
1840-0150.128	●	1840-0150L128	●	0.0150	1/8	1 1/2	0.045	0.128
1840-0150.150	●	1840-0150L150	●	0.0150	1/8	1 1/2	0.045	0.150
1840-0156.120	●	1840-0156L120	●	0.0156 (1/64)	1/8	1 1/2	0.047	0.120
1840-0200.170	●	1840-0200L170	●	0.0200	1/8	1 1/2	0.060	0.170
1840-0200.200	●	1840-0200L200	●	0.0200	1/8	1 1/2	0.060	0.200
1840-0250.213	●	1840-0250L213	●	0.0250	1/8	1 1/2	0.075	0.213
1840-0250.250	●	1840-0250L250	●	0.0250	1/8	1 1/2	0.075	0.250
1840-0300.270	●	1840-0300L270	●	0.0300	1/8	1 1/2	0.090	0.270
1840-0300.300	●	1840-0300L300	●	0.0300	1/8	1 1/2	0.090	0.300
1840-0312.279	●	1840-0312L279	●	0.0312 (1/32)	1/8	1 1/2	0.093	0.279
1840-0312.315	●	1840-0312L315	●	0.0312 (1/32)	1/8	1 1/2	0.094	0.315
1840-0350.315	●	1840-0350L315	●	0.0350	1/8	1 1/2	0.105	0.315
1840-0350.350	●	1840-0350L350	●	0.0350	1/8	1 1/2	0.105	0.350
1840-0400.360	●	1840-0400L360	●	0.0400	1/8	1 1/2	0.120	0.360
1840-0400.400	●	1840-0400L400	●	0.0400	1/8	1 1/2	0.120	0.400
1840-0450.405	●	1840-0450L405	●	0.0450	1/8	1 1/2	0.135	0.405
1840-0450.450	●	1840-0450L450	●	0.0450	1/8	1 1/2	0.135	0.450
1840-0469.390	●	1840-0469L390	●	0.0469 (3/64)	1/8	1 1/2	0.141	0.390
1840-0469.423	●	1840-0469L423	●	0.0469 (3/64)	1/8	1 1/2	0.141	0.423
1840-0500.500	●	1840-0500L500	●	0.0500	1/8	1 1/2	0.150	0.500
1840-0550.500	●	1840-0550L500	●	0.0550	1/8	1 1/2	0.165	0.500
1840-0600.500	●	1840-0600L500	●	0.0600	1/8	1 1/2	0.180	0.500
1840-0600.600	●	1840-0600L600	●	0.0600	1/8	2	0.180	0.600
1840-0625.590A	●	1840-0625L590A	●	0.0625 (1/16)	1/8	1 1/2	0.186	0.590
1840-0625.590	●	1840-0625L590	●	0.0625 (1/16)	1/8	2	0.188	0.590

Neck Diameter = 0.96 X Cutting Diameter

- L SOLID TOOLS
- DRILLS
- END MILLS
- ROUTERS
- THREAD MILLS & TAPS
- ENGRAVERS
- BORING BARS
- REAMERS
- TECHNICAL

SERIES 1840 WORKPIECE MATERIAL																
Coating	P Steel ~30HRC	P Steel 30-40HRC	H Hardened Steel ~55HRC	H Hardened Steel ~68HRC	M Stainless Steel	K Cast Iron	N Aluminum	N Graphite	N Copper Alloy	N Brass	N CFRP	N Plastic	N Thermoset Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
AlTiN	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
Uncoated							☆	☆	☆	☆	☆	☆	☆	☆		☆

★ : Priority ☆ : Applicable Materials

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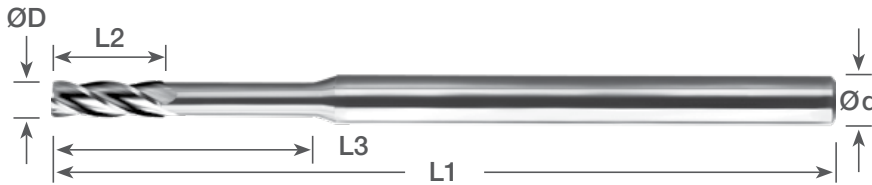
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# 4 FLUTE

EXTENDED REACH SQUARE END MILLS  
DEEP REACH MILLING

0.0650" - 0.1250" DIAMETER

Mirror Surface Finishes  
Sub Micron Grain Carbide



## EXTENDED Reach (Inch Sizes)

Uncoated		AlTiN Coating		Dimensions (in)				
Part Number	Stock	Part Number	Stock	ØD <sup>+0.0000</sup> <sub>-0.0010</sub>	Ød	L1	L2	L3
1840-0650.500	●	1840-0650L500	●	0.0650	1/8	1 1/2	0.195	0.500
1840-0650.600	●	1840-0650L600	●	0.0650	1/8	2	0.195	0.600
1840-0700.500	●	1840-0700L500	●	0.0700	1/8	1 1/2	0.210	0.500
1840-0700.700	●	1840-0700L700	●	0.0700	1/8	2	0.210	0.700
1840-0750.500	●	1840-0750L500	●	0.0750	1/8	1 1/2	0.225	0.500
1840-0750.700	●	1840-0750L700	●	0.0750	1/8	2	0.225	0.700
1840-0781.590A	●	1840-0781L590A	●	0.0781 (5/64)	1/8	1 1/2	0.234	0.590
1840-0781.590	●	1840-0781L590	●	0.0781 (5/64)	1/8	2	0.234	0.590
1840-0800.500	●	1840-0800L500	●	0.0800	1/8	1 1/2	0.240	0.500
1840-0800.750	●	1840-0800L750	●	0.0800	1/8	2	0.240	0.750
1840-0850.500	●	1840-0850L500	●	0.0850	1/8	1 1/2	0.255	0.500
1840-0850.750	●	1840-0850L750	●	0.0850	1/8	2	0.255	0.750
1840-0900.625	●	1840-0900L625	●	0.0900	1/8	1 1/2	0.270	0.625
1840-0900.750	●	1840-0900L750	●	0.0900	1/8	2	0.270	0.750
1840-0938.590	●	1840-0938L590	●	0.0938 (3/32)	1/8	2	0.281	0.590
1840-0938.625	●	1840-0938L625	●	0.0938 (3/32)	1/8	1 1/2	0.279	0.625
1840-0950.625	●	1840-0950L625	●	0.0950	1/8	1 1/2	0.285	0.625
1840-0950.750	●	1840-0950L750	●	0.0950	1/8	2	0.285	0.750
1840-1000.625	●	1840-1000L625	●	0.1000	1/8	1 1/2	0.300	0.625
1840-1000.750	●	1840-1000L750	●	0.1000	1/8	2	0.300	0.750
1840-1094.590	●	1840-1094L590	●	0.1094 (7/64)	1/8	2	0.328	0.590
1840-1100.750	●	1840-1100L750	●	0.1100	1/8	2	0.330	0.750
1840-1250.590	●	1840-1250L590	●	0.1250 (1/8)	1/8	2	0.375	0.590

Neck Diameter = 0.96 X Cutting Diameter

SERIES 1840 WORKPIECE MATERIAL																
Coating	P	P	H	H	M	K	N	N	N	N	N	N	N	S	S	
	Steel ~30HRC	Steel 30-40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	Brass	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
AlTiN	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
Uncoated							☆	☆	☆	☆	☆	☆	☆			☆

★ : Priority ☆ : Applicable Materials

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● : U.S. Stock Standard  
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GEN/PCD INSERTS **C**

TURNING HOLDERS **D**

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BORING **F**

GROOVING **G**

CUT-OFF **H**

THREADING **J**

DRILLING **K**

SOLID TOOLS **L**

MILLING **M**

HSK TOOLING **N**

SPARE PARTS **P**

TECHNICAL **R**

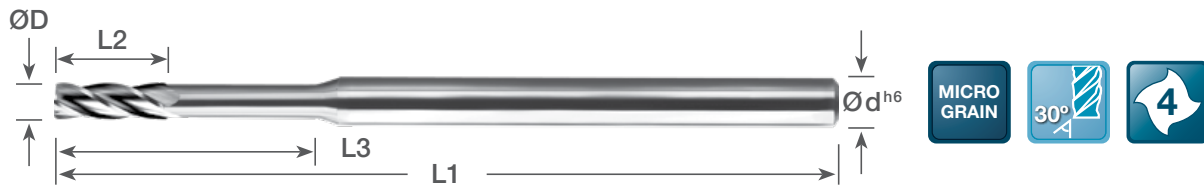
INDEX **T**

# 4 FLUTE

EXTENDED REACH SQUARE END MILLS  
DEEP REACH MILLING

0.40mm - 6.00mm DIAMETER

Mirror Surface Finishes  
Sub Micron Grain Carbide



## EXTENDED Reach (Metric Sizes)

Uncoated		AlTiN Coating		Dimensions (mm)				
Part Number	Stock	Part Number	Stock	ØD <sup>+0.00mm -0.02mm</sup>	Ød <sup>h6</sup>	L1	L2	L3
1840-0157.118	●	1840-0157L118	●	0.40	3.00	38.00	1.20	3.00
1840-0197.157	●	1840-0197L157	●	0.50	3.00	38.00	1.50	4.00
1840-0236.197	●	1840-0236L197	●	0.60	3.00	38.00	1.80	5.00
1840-0256.236	●	1840-0256L236	●	0.65	3.00	38.00	1.95	6.00
1840-0276.276	●	1840-0276L276	●	0.70	3.00	38.00	2.10	7.00
1840-0295.315	●	1840-0295L315	●	0.75	3.00	38.00	2.25	8.00
1840-0315.354	●	1840-0315L354	●	0.80	3.00	50.00	2.40	9.00
1840-0354.394	●	1840-0354L394	●	0.90	3.00	50.00	2.70	10.00
1840-0394.394	●	1840-0394L394	●	1.00	3.00	50.00	3.00	10.00
1840-0591.591	●	1840-0591L591	●	1.50	3.00	50.00	4.50	15.00
1840-0787.787	●	1840-0787L787	●	2.00	3.00	50.00	6.00	20.00
1840-0984.906	●	1840-0984L906	●	2.50	3.00	50.00	7.50	23.00
1840-1181.906	●	1840-1181L906	●	3.00	3.00	50.00	9.00	23.00
1840-1378.984	●	1840-1378L984	●	3.50	6.00	75.00	10.50	25.00
1840-1575.984	●	1840-1575L984	●	4.00	6.00	75.00	12.00	25.00
1840-1772.1181	●	1840-1772L1181	●	4.50	6.00	75.00	13.50	30.00
1840-1968.1181	●	1840-1968L1181	●	5.00	6.00	75.00	15.00	30.00
1840-2165.1181	●	1840-2165L1181	●	5.50	6.00	75.00	16.50	30.00
1840-2362.1181	●	1840-2362L1181	●	6.00	6.00	75.00	18.00	30.00

Neck Diameter = 0.96 X Cutting Diameter

- L SOLID TOOLS
- DRILLS
- END MILLS
- ROUTERS
- THREAD MILLS & TAPS
- ENGRAVERS
- BORING BARS
- REAMERS
- TECHNICAL

SERIES 1840 WORKPIECE MATERIAL																
Coating	P	P	H	H	M	K	N	N	N	N	N	N	S	S		
	Steel ~30HRC	Steel 30~40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	Brass	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
AlTiN	★	★	★	☆	☆	☆									☆	☆
Uncoated							☆	☆		☆	☆	☆	☆	☆		☆

★ : Priority ☆ : Applicable Materials

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Symbol Descriptions Page L3