

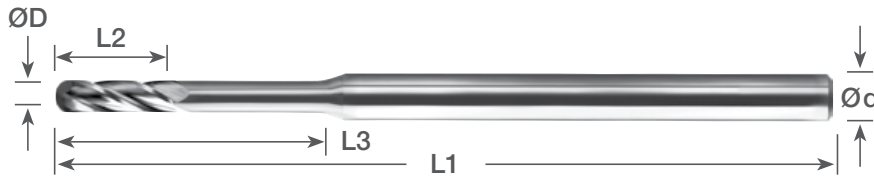
# 4 FLUTE

EXTENDED REACH BALL NOSE END MILLS

0.0100" - 0.0600" DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide



## EXTENDED Reach (Inch Sizes)

Uncoated		AlTiN Coating		DLC* Coating		Dimensions (in)				
Part Number	Stock	Part Number	Stock	Part Number	Stock	ØD <sup>+0.0000 -0.0010</sup>	Ød	L1	L2	L3
1845-0100.080	●	1845-0100L080	●	1845-0100D080	■	0.0100	1/8	1 1/2	0.030	0.080
1845-0100.100	●	1845-0100L100	●	1845-0100D100	■	0.0100	1/8	1 1/2	0.030	0.100
1845-0150.128	●	1845-0150L128	●	1845-0150D128	■	0.0150	1/8	1 1/2	0.045	0.128
1845-0150.150	●	1845-0150L150	●	1845-0150D150	■	0.0150	1/8	1 1/2	0.045	0.150
1845-0156.120	●	1845-0156L120	●	1845-0156D120	■	0.0156 (1/64)	1/8	1 1/2	0.047	0.120
1845-0200.170	●	1845-0200L170	●	1845-0200D170	■	0.0200	1/8	1 1/2	0.060	0.170
1845-0200.200	●	1845-0200L200	●	1845-0200D200	■	0.0200	1/8	1 1/2	0.060	0.200
1845-0250.213	●	1845-0250L213	●	1845-0250D213	■	0.0250	1/8	1 1/2	0.075	0.213
1845-0250.250	●	1845-0250L250	●	1845-0250D250	■	0.0250	1/8	1 1/2	0.075	0.250
1845-0300.270	●	1845-0300L270	●	1845-0300D270	■	0.0300	1/8	1 1/2	0.090	0.270
1845-0300.300	●	1845-0300L300	●	1845-0300D300	■	0.0300	1/8	1 1/2	0.090	0.300
1845-0312.315	●	1845-0312L315	●	1845-0312D315	■	0.0312 (1/32)	1/8	1 1/2	0.094	0.315
1845-0350.315	●	1845-0350L315	●	1845-0350D315	■	0.0350	1/8	1 1/2	0.105	0.315
1845-0350.350	●	1845-0350L350	●	1845-0350D350	■	0.0350	1/8	1 1/2	0.105	0.350
1845-0400.360	●	1845-0400L360	●	1845-0400D360	■	0.0400	1/8	1 1/2	0.120	0.360
1845-0400.400	●	1845-0400L400	●	1845-0400D400	■	0.0400	1/8	1 1/2	0.120	0.400
1845-0450.405	●	1845-0450L405	●	1845-0450D405	■	0.0450	1/8	1 1/2	0.135	0.405
1845-0450.450	●	1845-0450L450	●	1845-0450D450	■	0.0450	1/8	1 1/2	0.135	0.450
1845-0469.390	●	1845-0469L390	●	1845-0469D390	■	0.0469 (3/64)	1/8	1 1/2	0.141	0.390
1845-0469.423	●	1845-0469L423	●	1845-0469D423	■	0.0469 (3/64)	1/8	1 1/2	0.141	0.423
1845-0500.500	●	1845-0500L500	●	1845-0500D500	■	0.0500	1/8	1 1/2	0.150	0.500
1845-0550.500	●	1845-0550L500	●	1845-0550D500	■	0.0550	1/8	1 1/2	0.165	0.500
1845-0600.500	●	1845-0600L500	●	1845-0600D500	■	0.0600	1/8	1 1/2	0.180	0.500
1845-0600.600	●	1845-0600L600	●	1845-0600D600	■	0.0600	1/8	2	0.180	0.600

Neck Diameter = 0.96 X Cutting Diameter

\*DLC is Amorphous Diamond

SERIES 1845 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 Thermocast Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
AlTiN	★	★	★	☆	☆	☆									☆	☆
DLC							☆	★	☆	☆	★	★	★			
Uncoated							☆	☆	☆	★	☆	☆	☆	☆		☆

★ : Priority ☆ : Applicable Materials

Recommended Cutting Conditions Page L221

Symbol Descriptions Page L3

● : U.S. Stock Standard  
■ : NOT STOCKED - Call for Delivery

(U.S.) 1.888.848.8449  
(International) 001.714.428.3636  
Visit us online at [KyoceraPrecisionTools.com](http://KyoceraPrecisionTools.com)

INSERT GRADES **A**  
TURNING INSERTS **B**  
GEN/PCD INSERTS **C**  
TURNING HOLDERS **D**  
SMALL TOOLS **E**  
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**

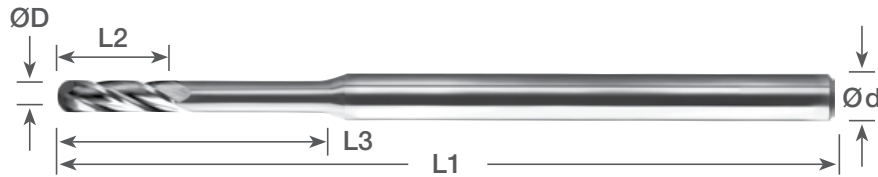
# 4 FLUTE

EXTENDED REACH BALL NOSE END MILLS

0.0625" - 0.1250" DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide



## EXTENDED Reach (Inch Sizes)

Uncoated		AITIN Coating		DLC* Coating		Dimensions (in)				
Part Number	Stock	Part Number	Stock	Part Number	Stock	ØD <sup>+0.0000 -0.0010</sup>	Ød	L1	L2	L3
1845-0625.590A	●	1845-0625L590A	●	1845-0625D590A	■	0.0625 (1/16)	1/8	1 1/2	0.186	0.590
1845-0625.590	●	1845-0625L590	●	1845-0625D590	■	0.0625 (1/16)	1/8	2	0.188	0.590
1845-0650.500	●	1845-0650L500	●	1845-0650D500	■	0.0650	1/8	1 1/2	0.195	0.500
1845-0650.600	●	1845-0650L600	●	1845-0650D600	■	0.0650	1/8	2	0.195	0.600
1845-0700.500	●	1845-0700L500	●	1845-0700D500	■	0.0700	1/8	1 1/2	0.210	0.500
1845-0700.700	●	1845-0700L700	●	1845-0700D700	■	0.0700	1/8	2	0.210	0.700
1845-0750.500	●	1845-0750L500	●	1845-0750D500	■	0.0750	1/8	1 1/2	0.225	0.500
1845-0750.700	●	1845-0750L700	●	1845-0750D700	■	0.0750	1/8	2	0.225	0.700
1845-0781.590A	●	1845-0781L590A	●	1845-0781D590A	■	0.0781 (5/64)	1/8	1 1/2	0.234	0.590
1845-0781.590	●	1845-0781L590	●	1845-0781D590	■	0.0781 (5/64)	1/8	2	0.234	0.590
1845-0800.500	●	1845-0800L500	●	1845-0800D500	■	0.0800	1/8	1 1/2	0.240	0.500
1845-0800.750	●	1845-0800L750	●	1845-0800D750	■	0.0800	1/8	2	0.240	0.750
1845-0850.500	●	1845-0850L500	●	1845-0850D500	■	0.0850	1/8	1 1/2	0.255	0.500
1845-0850.750	●	1845-0850L750	●	1845-0850D750	■	0.0850	1/8	2	0.255	0.750
1845-0900.625	●	1845-0900L625	●	1845-0900D625	■	0.0900	1/8	1 1/2	0.270	0.625
1845-0900.750	●	1845-0900L750	●	1845-0900D750	■	0.0900	1/8	2	0.270	0.750
1845-0938.625	●	1845-0938L625	●	1845-0938D625	■	0.0938 (3/32)	1/8	1 1/2	0.279	0.625
1845-0938.590	●	1845-0938L590	●	1845-0938D590	■	0.0938 (3/32)	1/8	2	0.281	0.590
1845-0950.625	●	1845-0950L625	●	1845-0950D625	■	0.0950	1/8	1 1/2	0.285	0.625
1845-0950.750	●	1845-0950L750	●	1845-0950D750	■	0.0950	1/8	2	0.285	0.750
1845-1000.625	●	1845-1000L625	●	1845-1000D625	■	0.1000	1/8	1 1/2	0.300	0.625
1845-1000.750	●	1845-1000L750	●	1845-1000D750	■	0.1000	1/8	2	0.300	0.750
1845-1094.590	●	1845-1094L590	●	1845-1094D590	■	0.1094 (7/64)	1/8	2	0.328	0.590
1845-1100.750	●	1845-1100L750	●	1845-1100D750	■	0.1100	1/8	2	0.330	0.750
1845-1250.590	●	1845-1250L590	●	1845-1250D590	■	0.1250 (1/8)	1/8	2	0.375	0.590

Neck Diameter = 0.96 X Cutting Diameter

\*DLC is Amorphous Diamond

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

SERIES 1845 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
AITIN	★	★	★	☆	☆	☆									☆	☆
DLC							☆	★	☆	☆	★	★	★			
Uncoated							☆	☆	★	☆	☆	☆	☆	☆		☆

★ : Priority ☆ : Applicable Materials

Recommended Cutting Conditions Page L221, L223

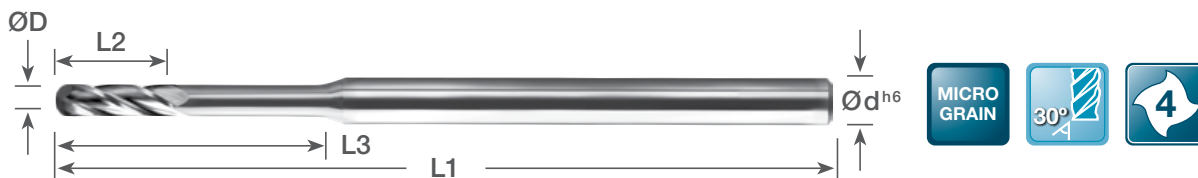
Symbol Descriptions Page L3

# 4 FLUTE

EXTENDED REACH BALL NOSE END MILLS

0.40mm - 6.00mm DIAMETER

Mirror Surface Finishes  
Sub Micron Grain Carbide



## EXTENDED Reach (Metric Sizes)

Uncoated		AlTiN Coating		DLC* Coating		Dimensions (mm)				
Part Number	Stock	Part Number	Stock	Part Number	Stock	ØD <sup>+0.00mm -0.02mm</sup>	Ød <sup>h6</sup>	L1	L2	L3
1845-0157.118	●	1845-0157L118	●	-	-	0.40	3.00	38.00	1.20	3.00
1845-0197.157	●	1845-0197L157	●	-	-	0.50	3.00	38.00	1.50	4.00
1845-0236.197	●	1845-0236L197	●	-	-	0.60	3.00	38.00	1.80	5.00
1845-0256.236	●	1845-0256L236	●	-	-	0.65	3.00	38.00	1.95	6.00
1845-0276.276	●	1845-0276L276	●	-	-	0.70	3.00	38.00	2.10	7.00
1845-0295.315	●	1845-0295L315	●	-	-	0.75	3.00	38.00	2.25	8.00
1845-0315.354	●	1845-0315L354	●	-	-	0.80	3.00	50.00	2.40	9.00
1845-0354.394	●	1845-0354L394	●	-	-	0.90	3.00	50.00	2.70	10.00
1845-0394.394	●	1845-0394L394	●	-	-	1.00	3.00	50.00	3.00	10.00
1845-0591.591	●	1845-0591L591	● <b>NEW</b>	1845-0591D591	■	1.50	3.00	50.00	4.50	15.00
1845-0787.787	●	1845-0787L787	●	-	-	2.00	3.00	50.00	6.00	20.00
1845-0984.906	●	1845-0984L906	●	-	-	2.50	3.00	50.00	7.50	23.00
1845-1181.906	●	1845-1181L906	●	-	-	3.00	3.00	50.00	9.00	23.00
1845-1378.984	●	1845-1378L984	●	-	-	3.50	6.00	75.00	10.50	25.00
1845-1575.984	●	1845-1575L984	● <b>NEW</b>	1845-1575D984	■	4.00	6.00	75.00	12.00	25.00
1845-1772.1181	●	1845-1772L1181	●	-	-	4.50	6.00	75.00	13.50	30.00
1845-1968.1181	●	1845-1968L1181	●	-	-	5.00	6.00	75.00	15.00	30.00
1845-2165.1181	●	1845-2165L1181	●	-	-	5.50	6.00	75.00	16.50	30.00
1845-2362.1181	●	1845-2362L1181	●	-	-	6.00	6.00	75.00	18.00	30.00

Neck Diameter = 0.96 X Cutting Diameter

INSERT GRADES	A
TURNING INSERTS	B
GEN/PCD INSERTS	C
TURNING HOLDERS	D
SMALL TOOLS	E
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

SERIES 1845 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	Thermocast Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
AlTiN	★	★	★	☆	☆	☆									☆	☆
DLC							☆	★	☆	☆	★	★	★			
Uncoated							☆	☆	☆	★	☆	☆	☆	☆		☆

★ : Priority ☆ : Applicable Materials

Recommended Cutting Conditions Page L222, L224

Symbol Descriptions Page L3

● : U.S. Stock Standard  
■ : NOT STOCKED - Call for Delivery

(U.S.) 1.888.848.8449  
(International) 001.714.428.3636  
Visit us online at [KyoceraPrecisionTools.com](http://KyoceraPrecisionTools.com)