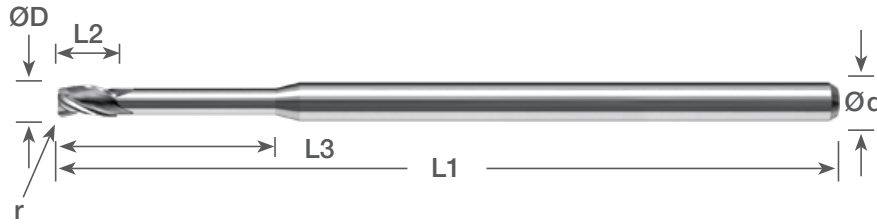


# 3 FLUTE

EXTENDED REACH  
SMALL CORNER RADIUS END MILLS

**0.0156" - 0.2500" DIAMETER**  
Mirror Surface Finishes  
Sub Micron Grain Carbide



## SMALL Corner Radius EXTENDED Reach (Inch Sizes)

Uncoated		AlTiN Coating		DLC* Coating		Dimensions (in)					
Part Number	Stock	Part Number	Stock	Part Number	Stock	$\text{ØD}^{+0.0000}_{-0.0010}$	Ød	L1	L2	L3	r
1743-0156.078CR	●	1743-0156L078CR	●	1743-0156D078CR	■	0.0156 (1/64)	1/8	2 1/2	0.022	0.078	0.003
1743-0156.125CR	●	1743-0156L125CR	●	1743-0156D125CR	■	0.0156 (1/64)	1/8	2 1/2	0.022	0.125	0.003
1743-0200.100CR	●	1743-0200L100CR	●	1743-0200D100CR	■	0.0200	1/8	2 1/2	0.030	0.100	0.005
1743-0200.160CR	●	1743-0200L160CR	●	1743-0200D160CR	■	0.0200	1/8	2 1/2	0.030	0.160	0.005
1743-0250.125CR	●	1743-0250L125CR	●	1743-0250D125CR	■	0.0250	1/8	2 1/2	0.037	0.125	0.005
1743-0250.203CR	●	1743-0250L203CR	●	1743-0250D203CR	■	0.0250	1/8	2 1/2	0.037	0.203	0.005
1743-0312.156CR	●	1743-0312L156CR	●	1743-0312D156CR	■	0.0312 (1/32)	1/8	2 1/2	0.046	0.156	0.005
1743-0312.250CR	●	1743-0312L250CR	●	1743-0312D250CR	■	0.0312 (1/32)	1/8	2 1/2	0.046	0.250	0.005
1743-0312.375CR	●	1743-0312L375CR	●	1743-0312D375CR	■	0.0312 (1/32)	1/8	2 1/2	0.046	0.375	0.005
1743-0469.250CR	●	1743-0469L250CR	●	1743-0469D250CR	■	0.0469 (3/64)	1/8	2 1/2	0.070	0.250	0.005
1743-0469.375CR	●	1743-0469L375CR	●	1743-0469D375CR	■	0.0469 (3/64)	1/8	2 1/2	0.070	0.375	0.005
1743-0469.570CR	●	1743-0469L570CR	●	1743-0469D570CR	■	0.0469 (3/64)	1/8	2 1/2	0.070	0.570	0.005
1743-0625.312CR	●	1743-0625L312CR	●	1743-0625D312CR	■	0.0625 (1/16)	1/8	2 1/2	0.093	0.312	0.005
1743-0625.500CR	●	1743-0625L500CR	●	1743-0625D500CR	■	0.0625 (1/16)	1/8	2 1/2	0.093	0.500	0.005
1743-0625.750CR	●	1743-0625L750CR	●	1743-0625D750CR	■	0.0625 (1/16)	1/8	2 1/2	0.093	0.750	0.005
1743-0781.406CR	●	1743-0781L406CR	●	1743-0781D406CR	■	0.0781 (5/64)	1/8	2 1/2	0.117	0.406	0.005
1743-0781.625CR	●	1743-0781L625CR	●	1743-0781D625CR	■	0.0781 (5/64)	1/8	2 1/2	0.117	0.625	0.005
1743-0781.940CR	●	1743-0781L940CR	●	1743-0781D940CR	■	0.0781 (5/64)	1/8	2 1/2	0.117	0.940	0.005
1743-0938.500CR	●	1743-0938L500CR	●	1743-0938D500CR	■	0.0938 (3/32)	1/8	2 1/2	0.139	0.500	0.005
1743-0938.750CR	●	1743-0938L750CR	●	1743-0938D750CR	■	0.0938 (3/32)	1/8	2 1/2	0.139	0.750	0.005
1743-0938.1125C	●	1743-0938L1125C	●	1743-0938D1125C	■	0.0938 (3/32)	1/8	2 1/2	0.139	1.125	0.005
1743-1250.625CR	●	1743-1250L625CR	●	1743-1250D625CR	■	0.1250 (1/8)	1/8	2 1/2	0.187	0.625	0.010
1743-1250.1000C	●	1743-1250L1000C	●	1743-1250D1000C	■	0.1250 (1/8)	1/8	2 1/2	0.187	1.000	0.010
1743-1250.1500C	●	1743-1250L1500C	●	1743-1250D1500C	■	0.1250 (1/8)	1/8	3	0.187	1.500	0.010
1743-1562.750CR	●	1743-1562L750CR	●	1743-1562D750CR	■	0.1562 (5/32)	3/16	3	0.234	0.750	0.010
1743-1562.1250C	●	1743-1562L1250C	●	1743-1562D1250C	■	0.1562 (5/32)	3/16	3	0.234	1.250	0.010
1743-1875.1000C	●	1743-1875L1000C	●	1743-1875D1000C	■	0.1875 (3/16)	3/16	3	0.281	1.000	0.015
1743-1875.1500C	●	1743-1875L1500C	●	1743-1875D1500C	■	0.1875 (3/16)	3/16	3	0.281	1.500	0.015
1743-1875.2250C	●	1743-1875L2250C	●	1743-1875D2250C	■	0.1875 (3/16)	3/16	4	0.281	2.250	0.015
1743-2500.1250C	●	1743-2500L1250C	●	1743-2500D1250C	■	0.2500 (1/4)	1/4	4	0.375	1.250	0.015
1743-2500.2000C	●	1743-2500L2000C	●	1743-2500D2000C	■	0.2500 (1/4)	1/4	4	0.375	2.000	0.015
1743-2500.3000C	●	1743-2500L3000C	●	1743-2500D3000C	■	0.2500 (1/4)	1/4	6	0.375	3.000	0.015

Neck Diameter = 0.95 X Cutting Diameter

\*DLC is Amorphous Diamond

### Corner Radius Tolerance

Diameter (D)	0.0156" - 0.0312"	0.0469" - 0.0938"	0.1250" - 0.1875"	0.2500"
+ / -	0.0010"	0.0015"	0.0020"	0.0030"

### SERIES 1743 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	★	★	★	☆	☆	☆									☆	☆
DLC							☆	★	☆	☆	★	★	★			
Uncoated							☆	☆	★	★	☆	★	★	☆		☆

★ : Priority ☆ : Applicable Materials

Recommended Cutting Conditions Page L221, L223

Symbol Descriptions Page L3