

A Brand AE-CR-TL-N

Advanced Performance DLC Coated End Mills for Non-Ferrous Materials

List 8670

A BRAND AE-CR-TL-N



NEW

SPEED FEED 28-31

CARBIDE

DLC

3 FLUTE

41°



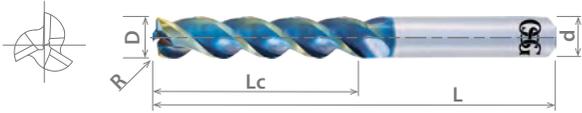
SHRINK FIT

REG

LONG

PACKED 1 PIECE

Cutting Diameter Tolerance	
1/8" ≤ D ≤ 1"	+0 / -0.0008"



EDP Number	Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	
						D (Fractional Size)
8670009	●	1/8	0.010	0.375	1.500	0.125
8670019	●	1/8	0.015	0.375	1.500	0.125
8670029	●	1/8	0.020	0.375	1.500	0.125
8670039	●	1/8	0.030	0.375	1.500	0.125
86700109	●	1/8	0.010	0.500	2.500	0.125
86700119	●	1/8	0.015	0.500	2.500	0.125
86700129	●	1/8	0.020	0.500	2.500	0.125
86700139	●	1/8	0.030	0.500	2.500	0.125
86700209	●	3/16	0.010	0.563	2.000	0.188
86700219	●	3/16	0.015	0.563	2.000	0.188
86700229	●	3/16	0.020	0.563	2.000	0.188
86700239	●	3/16	0.030	0.563	2.000	0.188
86700309	●	3/16	0.010	0.750	2.250	0.188
86700319	●	3/16	0.015	0.750	2.250	0.188
86700329	●	3/16	0.020	0.750	2.250	0.188
86700339	●	3/16	0.030	0.750	2.250	0.188
86700409	●	1/4	0.010	0.750	2.500	0.250
86700419	●	1/4	0.015	0.750	2.500	0.250
86700429	●	1/4	0.020	0.750	2.500	0.250
86700439	●	1/4	0.030	0.750	2.500	0.250
86700449	●	1/4	0.060	0.750	2.500	0.250
86700509	●	1/4	0.010	1.000	2.500	0.250
86700519	●	1/4	0.015	1.000	2.500	0.250
86700529	●	1/4	0.020	1.000	2.500	0.250
86700539	●	1/4	0.030	1.000	2.500	0.250
86700549	●	1/4	0.060	1.000	2.500	0.250
86700609	●	1/4	0.010	1.250	3.000	0.250
86700619	●	1/4	0.015	1.250	3.000	0.250
86700629	●	1/4	0.020	1.250	3.000	0.250
86700639	●	1/4	0.030	1.250	3.000	0.250
86700649	●	1/4	0.060	1.250	3.000	0.250
86700709	●	5/16	0.010	0.938	2.500	0.313
86700719	●	5/16	0.020	0.938	2.500	0.313
86700729	●	5/16	0.030	0.938	2.500	0.313
86700739	●	5/16	0.060	0.938	2.500	0.313
86700809	●	3/8	0.010	1.125	3.000	0.375
86700819	●	3/8	0.015	1.125	3.000	0.375
86700829	●	3/8	0.020	1.125	3.000	0.375
86700839	●	3/8	0.030	1.125	3.000	0.375
86700849	●	3/8	0.060	1.125	3.000	0.375
86700859	●	3/8	0.090	1.125	3.000	0.375
86700869	●	3/8	0.125	1.125	3.000	0.375
86700909	●	3/8	0.010	1.500	4.000	0.375
86700919	●	3/8	0.015	1.500	4.000	0.375
86700929	●	3/8	0.020	1.500	4.000	0.375
86700939	●	3/8	0.030	1.500	4.000	0.375
86700949	●	3/8	0.060	1.500	4.000	0.375
86700959	●	3/8	0.090	1.500	4.000	0.375
86700969	●	3/8	0.125	1.500	4.000	0.375
86701009	●	1/2	0.010	1.500	4.000	0.500
86701019	●	1/2	0.015	1.500	4.000	0.500
86701029	●	1/2	0.020	1.500	4.000	0.500

● Stocked ▲ Globally Stocked ○ Made to Order; contact an OSG representative for details



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CARBIDE

DLC

3 FLUTE

41°



SHRINK FIT

REG

LONG

PACKED
1 PIECE

A BRAND AE-CR-TL-N

EDP Number		Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter
		D (Fractional Size)	R (Inch)	Lc (Inch)	L (Inch)	d (Inch)
86701039	●	1/2	0.030	1.500	4.000	0.500
86701049	●	1/2	0.060	1.500	4.000	0.500
86701059	●	1/2	0.090	1.500	4.000	0.500
86701069	●	1/2	0.125	1.500	4.000	0.500
86701109	●	1/2	0.010	2.000	4.000	0.500
86701119	●	1/2	0.015	2.000	4.000	0.500
86701129	●	1/2	0.020	2.000	4.000	0.500
86701139	●	1/2	0.030	2.000	4.000	0.500
86701149	●	1/2	0.060	2.000	4.000	0.500
86701159	●	1/2	0.090	2.000	4.000	0.500
86701169	●	1/2	0.125	2.000	4.000	0.500
86701209	●	1/2	0.010	2.500	5.000	0.500
86701219	●	1/2	0.015	2.500	5.000	0.500
86701229	●	1/2	0.020	2.500	5.000	0.500
86701239	●	1/2	0.030	2.500	5.000	0.500
86701249	●	1/2	0.060	2.500	5.000	0.500
86701259	●	1/2	0.090	2.500	5.000	0.500
86701269	●	1/2	0.125	2.500	5.000	0.500
86701309	●	5/8	0.015	1.875	5.000	0.625
86701319	●	5/8	0.030	1.875	5.000	0.625
86701329	●	5/8	0.060	1.875	5.000	0.625
86701339	●	5/8	0.090	1.875	5.000	0.625
86701349	●	5/8	0.125	1.875	5.000	0.625
86701409	●	5/8	0.015	2.500	5.000	0.625
86701419	●	5/8	0.030	2.500	5.000	0.625
86701429	●	5/8	0.060	2.500	5.000	0.625
86701439	●	5/8	0.090	2.500	5.000	0.625
86701449	●	5/8	0.125	2.500	5.000	0.625
86701509	●	5/8	0.015	3.125	6.000	0.625
86701519	●	5/8	0.030	3.125	6.000	0.625
86701529	●	5/8	0.060	3.125	6.000	0.625
86701539	●	5/8	0.090	3.125	6.000	0.625
86701549	●	5/8	0.125	3.125	6.000	0.625
86701609	●	3/4	0.015	2.250	5.000	0.750
86701619	●	3/4	0.020	2.250	5.000	0.750
86701629	●	3/4	0.030	2.250	5.000	0.750
86701639	●	3/4	0.060	2.250	5.000	0.750
86701649	●	3/4	0.090	2.250	5.000	0.750
86701659	●	3/4	0.125	2.250	5.000	0.750
86701669	●	3/4	0.190	2.250	5.000	0.750
86701679	●	3/4	0.250	2.250	5.000	0.750
86701709	●	3/4	0.015	3.000	6.000	0.750
86701719	●	3/4	0.020	3.000	6.000	0.750
86701729	●	3/4	0.030	3.000	6.000	0.750
86701739	●	3/4	0.060	3.000	6.000	0.750
86701749	●	3/4	0.090	3.000	6.000	0.750
86701759	●	3/4	0.125	3.000	6.000	0.750
86701769	●	3/4	0.190	3.000	6.000	0.750
86701779	●	3/4	0.250	3.000	6.000	0.750
86701809	●	1	0.030	3.000	6.000	1.000
86701819	●	1	0.060	3.000	6.000	1.000

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CONTINUED

P					M			K	N		S		H				
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel				
Carbon Steel			Alloy Steel	Die Steel					Aluminum		Nickel Alloy	Titanium					
Low	Medium	High			300	400	17-4 PH	6061	Casting	Inconel			6Al4V	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
1010	1035	1045	1065	4140				4340	7075			(30 HRC)					
									○	○							

○ Good ○ Best



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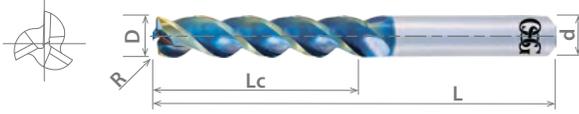
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Cutting Diameter Tolerance	
1/8" ≤ D ≤ 1"	+0 / -0.0008"



EDP Number	Diameter	Corner Radius	Length of Cut	Overall Length	Shank Diameter	
						D (Fractional Size)
86701829	●	1	0.090	3.000	6.000	1.000
86701839	●	1	0.125	3.000	6.000	1.000
86701849	●	1	0.190	3.000	6.000	1.000
86701859	●	1	0.250	3.000	6.000	1.000

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Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel			
Carbon Steel			Alloy Steel	Die Steel					Aluminum		Nickel Alloy	Titanium				
Low	Medium	High			6061	Casting	Inconel		6Al4V (30 HRC)							
1010	1035	1065	4140	4340	300	400	17-4 PH	6061	7075	Casting	Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
1018	1045							○	○							

○ Good ○ Best

