

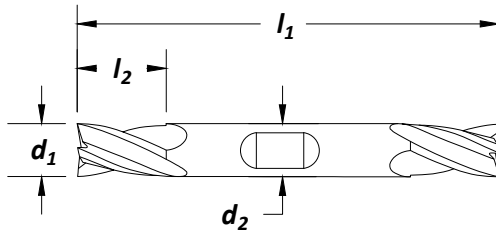


## Style: CEM-DE4

## General Purpose



Surface Treatment



cutting diameter		shank diameter	length of cut	overall length	no. of flutes	order number	
d <sub>1</sub>	d <sub>2</sub>					CEM-DE4	
fractional	decimal		l <sub>2</sub> (in)	l <sub>1</sub> (in)		bright	TiAlN
1/16	.0625	1/8	1/8	1-1/2	4	C60269	C80269
3/32	.0938	1/8	3/16	1-1/2	4	C60270	C80270
1/8	.1250	1/8	1/4	1-1/2	4	C60271	C80271
1/8	.1250	3/16	1/4	2	4	C60272	C80272
1/8*	.1250	3/8	7/16	3	4	C60273	C80273
5/32	.1562	3/16	5/16	2	4	C60274	C80274
5/32*	.1562	3/8	7/16	3	4	C60275	C80275
3/16	.1875	3/16	3/8	2	4	C60276	C80276
3/16*	.1875	3/8	1/2	3	4	C60277	C80277
7/32*	.2188	3/8	9/16	3 1/2	4	C60278	C80278
1/4	.2500	1/4	1/2	2-1/2	4	C60279	C80279
1/4*	.2500	3/8	5/8	3 1/2	4	C60280	C80280
9/32*	.2812	3/8	11/16	3 1/2	4	C60281	C80281
5/16	.3125	5/16	1/2	2-1/2	4	C60282	C80282
5/16*	.3125	3/8	3/4	3 1/2	4	C60283	C80283
3/8	.3750	3/8	9/16	3	4	C60284	C80284
3/8*	.3750	3/8	3/4	3 1/2	4	C60285	C80285
7/16*	.4375	1/2	7/8	4	4	C60286	C80286
1/2	.5000	1/2	5/8	3	4	C60287	C80287
1/2*	.5000	1/2	1	4	4	C60288	C80288

\*Weldon shank; all others plain shank

Carbide

Center Cutting

Material Reference	Steel (HRC)		Stainless Steel			Cast Iron (HRC)		Aluminum and Non-Ferrous	Hi-Temp Alloy		Hardened Steel (HRC)
	Low Carbon	Alloy	Austenitic	Martensitic	PH	Gray	Nodular		Ni, Co, Fe Based Super Alloy	Titanium	
	Hardness	13-38	>38	16-38	> 38	300 Series	400 series				
Bright	◆		◆					◆	◆	☆	
TiAlN	☆		☆		◆	◆		☆	☆		◆

☆ = Best Performance    ◆ = Acceptable