

General-Purpose End Mills — Single End



Series CG-4

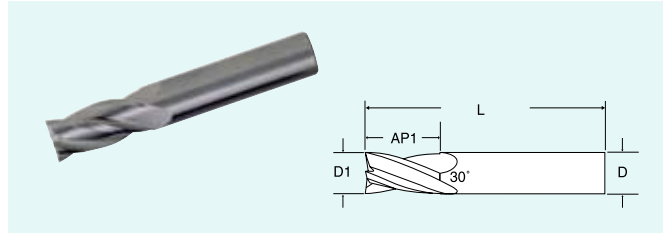
SOLID CARBIDE END MILLS

Series CG-4

Features

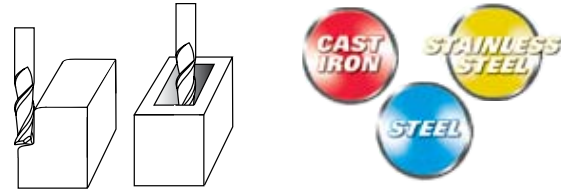
- 4-flute, 30° right-hand spiral, right-hand cut
- Center cutting
- 10% cobalt submicron grain carbide substrate
- Uncoated and specific sizes of TiN coated, TiCN coated and TiAlN coated standard; others available as a modification

Old List Numbers 155-47, 161-47, 162-47, 163-47



Applications

- Most commonly used in profiling and finishing applications.
- Stiffer construction results in minimal deflection.
- Four flutes provide good wear resistance for excellent size control.
- Feed and speed recommendations are listed on pages 12-13.



SOLID CARBIDE DRILLS

Series CG-4 Offering

D1 inch	D inch	AP1 inch	L inch	Uncoated EDP No.	TiN Coated EDP No.	TiCN Coated EDP No.	TiAlN Coated EDP No.
1/64	1/8	1/32	1-1/2	M33372		M32904	
1/32	1/8	5/64	1-1/2	M33380		M32905	M32536
3/64	1/8	1/8	1-1/2	M33381			
1/16	1/8	1/8	1-1/2	M33382		M32924	M32546
1/16	1/8	3/16	1-1/2	M33390		M32925	M32556
1/16	1/8	1/2	2	M33391		M32934	
5/64	1/8	3/16	1-1/2	M33392			
3/32	1/8	3/16	1-1/2	M33400		M32945	
3/32	1/8	3/8	1-1/2	M33401		M32944	M32566
3/32	1/8	5/8	2	M33402		M32954	
7/64	1/8	3/8	1-1/2	M33410			
1/8	1/8	1/4	1-1/2	M33411	M30593	M32974	M32576
1/8	1/8	1/2	1-1/2	M33412	M30603	M32975	M32586
1/8	1/8	3/4	2-1/4	M33420		M32984	M32596
1/8	1/8	3/4	3	M33702		M31624	
1/8	1/8	1	3	M33421		M32985	M32606
9/64	3/16	9/16	2	M33422		M32994	
5/32	3/16	5/16	2	M33430		M33004	
5/32	3/16	9/16	2	M33431		M32995	M32616
11/64	3/16	5/8	2	M33432			
3/16	3/16	5/16	1-1/2	M33440	M30613	M33014	M32626
3/16	3/16	5/8	2	M33441	M30633	M33015	M32636
3/16	3/16	3/4	2-1/2	M33442		M33024	M32646
3/16	3/16	1	4	M33710		M31625	
3/16	3/16	1-1/8	3	M33450		M33025	
13/64	1/4	5/8	2-1/2	M33451			
7/32	1/4	7/16	2	M33452	M30643	M33044	
7/32	1/4	5/8	2-1/2	M33460	M30653	M33035	M32656
7/32	1/4	1-1/8	3	M33461		M33045	
15/64	1/4	3/4	2-1/2	M33462			
1/4	1/4	1/2	2	M33470	M30663	M33055	M32666
1/4	1/4	3/4	2-1/2	M33471	M30673	M33064	M32676
1/4	1/4	1	4	M33472		M30814	M32696
1/4	1/4	1-1/8	3	M33480		M33065	M32686
1/4	1/4	1-1/2	4	M33481		M33074	
1/4	1/4	1-1/2	6	M33482		M30815	M32706
17/64	5/16	3/4	2-1/2	M33490		M33075	
9/32	5/16	3/4	2-1/2	M33491		M33084	

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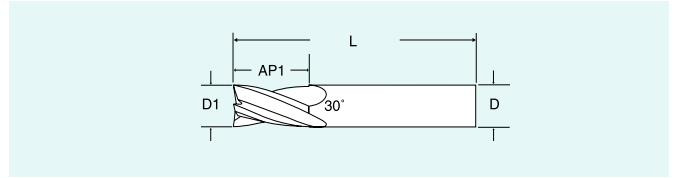
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(continued) Series CG-4



Series CG-4 Offering (continued)

D1 inch	D inch	AP1 inch	L inch	Uncoated EDP No.	TiN Coated EDP No.	TiCN Coated EDP No.	TiAlN Coated EDP No.
19/64	5/16	13/16	2-1/2	M33492			
5/16	5/16	1/2	2	M33500	M30683	M33094	M32716
5/16	5/16	13/16	2-1/2	M33742	M30693	M33095	M32726
5/16	5/16	1	4	M33711		M31634	
5/16	5/16	1-1/8	3	M33502		M33104	M32736
5/16	5/16	1-1/2	6	M33712		M31635	
5/16	5/16	1-5/8	4	M33510		M33105	
21/64	3/8	1	2-1/2	M33511			
11/32	3/8	1	2-1/2	M33512		M33115	
23/64	3/8	1	2-1/2	M33520		M33124	
3/8	3/8	5/8	2	M33521	M30703	M33125	M32746
3/8	3/8	7/8	2-1/2	M33522	M30713	M33134	M32756
3/8	3/8	1	4	M33530		M30824	M32776
3/8	3/8	1-1/8	3	M33531		M33135	M32766
3/8	3/8	1-1/2	6	M33532		M30825	M32786
3/8	3/8	1-3/4	4	M33540		M33144	
3/8	3/8	3	6	M33720		M31644	
25/64	7/16	1	2-3/4	M33541			
13/32	7/16	1	2-3/4	M33542		M33154	
27/64	7/16	1	2-3/4	M33550			
7/16	7/16	5/8	2-1/2	M33551		M33165	M32806
7/16	7/16	1	2-3/4	M33560	M30723	M33164	M32796
7/16	7/16	1	4	M33721		M31645	
7/16	7/16	2	4	M33552		M33174	
7/16	7/16	3	6	M33722		M31654	
29/64	1/2	1	3	M33561			
15/32	1/2	1	3	M33562		M33184	
31/64	1/2	1	3	M33570			
1/2	1/2	5/8	2-1/2	M33571	M30733	M33194	M32816
1/2	1/2	1	3	M33572	M30743	M33195	M32826
1/2	1/2	1	4	M33580		M30834	M32856
1/2	1/2	1-1/4	3	M33581	M30753	M33204	M32836
1/2	1/2	1-1/2	6	M33730		M31655	
1/2	1/2	2	4	M33590		M33205	M32846
1/2	1/2	3	6	M33582		M33214	
9/16	9/16	3/4	3	M33591		M33224	
9/16	9/16	1-1/8	3-1/2	M33751			
9/16	9/16	1-1/4	3-1/2	M33592	M30763	M33215	
9/16	9/16	2-1/4	5	M33600		M33225	
5/8	5/8	3/4	3	M33601	M30773	M33234	M32866
5/8	5/8	1-1/4	3-1/2	M33602	M30783	M33235	M32876
5/8	5/8	2	6	M33731		M31664	
5/8	5/8	2-1/4	5	M33610		M33244	M32886
5/8	5/8	3	6	M33732		M31665	
5/8	5/8	4	7	M33611		M33245	
11/16	3/4	1-3/8	4	M33612		M33254	

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