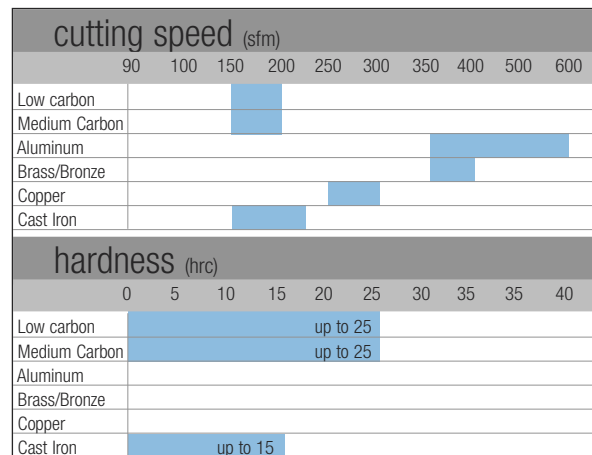


A general purpose carbide end mill with maximum chip clearance.

For: End milling, Slotting, Sinking
On: Variety of Steels, Cast iron, Non-Ferrous metals, Plastics, Abrasive type materials

2 FLUTE REGULAR LENGTH - INCH						
Cutting Diameter (in.)	Shank Diameter (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$	
1/32	1/8	1/8	1-1/2	103-770	13.10	
3/64	1/8	9/64	1-1/2	103-772	9.20	
1/16	1/8	3/16	1-1/2	103-848	8.40	
5/64	1/8	1/4	1-1/2	103-773	8.40	
3/32	1/8	5/16	1-1/2	103-849	8.40	
7/64	1/8	3/8	1-1/2	103-775	8.40	
1/8	1/8	1/2	1-1/2	103-850	8.40	
9/64	3/16	1/2	2	103-776	10.50	
5/32	3/16	9/16	2	103-851	10.50	
11/64	3/16	9/16	2	103-777	11.70	
3/16	3/16	5/8	2	103-852	11.70	
13/64	1/4	5/8	2-1/2	103-778	14.80	
7/32	1/4	5/8	2-1/2	103-853	14.80	
1/4	1/4	3/4	2-1/2	103-854	14.80	
9/32	5/16	3/4	2-1/2	103-855	19.20	
5/16	5/16	13/16	2-1/2	103-856	19.20	
11/32	3/8	7/8	2-1/2	103-779	24.00	
3/8	3/8	1	2-1/2	103-857	24.00	
13/32	7/16	1	2-3/4	103-780	36.80	
7/16	7/16	1	2-3/4	103-858	36.80	
1/2	1/2	1	3	103-859	44.50	
9/16	9/16	1-1/8	3-1/2	103-886	64.20	
5/8	5/8	1-1/4	3-1/2	103-887	79.90	
11/16	3/4	1-3/8	4	103-888	112.70	
3/4	3/4	1-1/2	4	103-889	112.90	
7/8	7/8	1-1/2	4	103-890	158.30	
1	1	1-1/2	4	103-891	181.40	

cutting conditions				
Materials		Condition	Hardness (HRC)	Cutting Speed (SFM)
Main Group	Sub-Group			
Low carbon	1018, 1010, 1035	Normalized	<25	150-200
Medium carbon	1045, 1050, 1065	Normalized	<25	150-200
Aluminum	Unalloyed, cast	-	-	350-600
Brass/bronze	-	-	-	350-400
Copper	-	-	-	250-300
Cast iron	-	As cast	<15	150-225

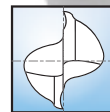


SPEEDS & FEEDS P. 28

tolerances		
Size	Diameter	Shank Diameter
3/32 thru 1"	+ .000" - .002"	+ .0000" - .0005"



2 FLUTE REGULAR LENGTH-METRIC 2 FLUTE 1/8 SHANK CARBIDE ENDMILLS

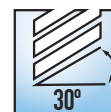
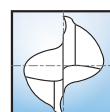


A general purpose carbide end mill with maximum chip clearance.

For: End milling
Slotting
Sinking

On: Variety of Steels
Cast iron
Non-Ferrous metals
Plastics
Abrasive type materials

■ 2 FLUTE REGULAR LENGTH-METRIC					
Cutting Diameter	Shank Diameter	Flute Length	Overall Length	Code No.	Price \$
(mm)	(mm)	(mm)	(mm)		
.5	3	1.5	39	101-552	30.90
1	3	3	39	101-553	22.60
1.5	3	5	39	101-432	14.60
2	3	7	39	102-696	8.90
2.5	3	7	39	102-697	8.90
3	3	9	39	102-698	8.90
3.5	4	12	51	102-699	10.70
4	4	14	51	102-700	10.70
4.5	5	14	51	102-701	13.00
5	5	16	51	102-702	13.00
6	6	19	64	102-703	15.50
7	8	19	64	102-704	20.20
8	8	21	64	102-705	20.20
9	10	22	70	102-706	30.20
10	10	22	70	102-707	30.20
11	11	25	70	102-708	46.80
12	12	25	76	102-709	46.80
14	14	30	89	102-711	67.50
16	16	32	89	102-712	84.30
18	18	35	102	102-713	109.00
20	20	38	102	102-714	130.90
22	22	38	102	101-451	285.40
25	25	38	102	102-715	199.90



Designed for milling small precision components in a variety of materials

■ 2 FLUTE 1/8 SHANK MINIATURE-INCH					
Cutting Diameter	Shank Diameter	Flute Length	Overall Length	Code No.	Price \$
(in.)	(in.)	(in.)	(in.)		
.015	1/8	.047	1-1/2	101-210	34.80
.020	1/8	.063	1-1/2	101-211	30.90
.025	1/8	.078	1-1/2	101-212	26.30
.030	1/8	.094	1-1/2	101-213	18.10
.035	1/8	.109	1-1/2	101-214	15.20
.040	1/8	.125	1-1/2	101-215	15.20
.045	1/8	.140	1-1/2	101-216	15.20
.050	1/8	.156	1-1/2	101-217	15.90
.055	1/8	.171	1-1/2	101-218	16.60
.060	1/8	.188	1-1/2	101-219	16.60

SPEEDS & FEEDS P. 28