

2 Flute End Mills High Speed Steel-Single End

Extension

- Designed for milling slots, pockets and plunge cutting ideal when a longer reach is required
- Suitable for use in a wide range of ferrous and non-ferrous materials
- Provides excellent chip evacuation



Size	Shank Dia.	Flute Length	OAL	Model No.		
				M2	M2AL	Tin Coated
		Inch(in)				
1/8	3/8	3/8	2-3/8	E2E-1/8	E2EA-1/8	E2EC-1/8
3/16	3/8	1/2	2-11/16	E2E-3/16	E2EA-3/16	E2EC-3/16
1/4	3/8	5/8	3-1/16	E2E-1/4	E2EA-1/4	E2EC-1/4
5/16	3/8	3/4	3-5/16	E2E-5/16	E2EA-5/16	E2EC-5/16
3/8	3/8	3/4	3-5/16	E2E-3/8	E2EA-3/8	E2EC-3/8
1/2	1/2	1	4	E2E-1/2	E2EA-1/2	E2EC-1/2
5/8	5/8	1-3/8	4-5/8	E2E-5/8	E2EA-5/8	E2EC-5/8
3/4	3/4	1-5/8	5-3/8	E2E-3/4	E2EA-3/4	E2EC-3/4
7/8	7/8	2	6	E2E-7/8	E2EA-7/8	E2EC-7/8
1	1	2-1/2	7-1/4	E2E-1	E2EA-1	E2EC-1
1-1/4	1-1/4	3	7-1/4	E2E-1-1/4	E2EA-1-1/4	E2EC-1-1/4

2 Flute End Mills High Speed Steel-Double End

- Use for milling slots, pockets and for plunge cutting in a wide variety of materials
- More economical in production milling than single end end mills



Size	Shank Dia.	Flute Length	OAL	Model No.		
				M2	M2AL	Tin Coated
		Inch(in)				
1/8	3/8	3/8	3-1/8	ED2-18/38	ED2A-18/38	ED2C-18/38
5/32	3/8	7/16	3-1/8	ED2-532/38	ED2A-532/38	ED2C-532/38
3/16	3/8	1/2	3-1/8	ED2-316/38	ED2A-316/38	ED2C-316/38
7/32	3/8	1/2	3-1/8	ED2-732/38	ED2A-732/38	ED2C-732/38
1/4	3/8	1/2	3-1/8	ED2-14/38	ED2A-14/38	ED2C-14/38
9/32	3/8	9/16	3-1/8	ED2-932/38	ED2A-932/38	ED2C-932/38
5/16	3/8	9/16	3-1/8	ED2-516/38	ED2A-516/38	ED2C-516/38
11/32	3/8	9/16	3-1/8	ED2-1132/38	ED2A-1132/38	ED2C-1132/38
3/8	3/8	9/16	3-1/8	ED2-38/38	ED2A-38/38	ED2C-38/38
13/32	1/2	13/16	3-3/4	ED2-1332/12	ED2A-1332/12	ED2C-1332/12
7/16	1/2	13/16	3-3/4	ED2-716/12	ED2A-716/12	ED2C-716/12
15/32	1/2	13/16	3-3/4	ED2-1532/12	ED2A-1532/12	ED2C-1532/12
1/2	1/2	13/16	3-3/4	ED2-12/12	ED2A-12/12	ED2C-12/12
9/16	5/8	1-1/8	4-1/2	ED2-916/58	ED2A-916/58	ED2C-916/58
5/8	5/8	1-1/8	4-1/2	ED2-58/58	ED2A-58/58	ED2C-58/58
11/16	3/4	1-5/16	5	ED2-1116/34	ED2A-1116/34	ED2C-1116/34
3/4	3/4	1-5/16	5	ED2-34/34	ED2A-34/34	ED2C-34/34
13/16	7/8	1-9/16	5-1/2	ED2-1316/78	ED2A-1316/78	ED2C-1316/78
7/8	7/8	1-9/16	5-1/2	ED2-78/78	ED2A-78/78	ED2C-78/78
15/16	1	1-5/8	5-7/8	ED2-1516/1	ED2A-1516/1	ED2C-1516/1
1	1	1-5/8	5-7/8	ED2-1/1	ED2A-1/1	ED2C-1/1

4 Flute Center Cutting End Mills High Speed Steel-Double End

Center cutting design allows for plunge milling into solid material at the beginning of a slotting operation



Size	Shank Dia.	Flute Length	OAL	Model No.		
				M2	M2AL	Tin Coated
		Inch(in)				
1/8	3/8	3/8	3-1/4	ED4-18/38	ED4A-18/38	ED4C-18/38
5/32	3/8	7/16	3-1/4	ED4-532/38	ED4A-532/38	ED4C-532/38
3/16	3/8	1/2	3-1/4	ED4-316/38	ED4A-316/38	ED4C-316/38
7/32	3/8	9/16	3-1/4	ED4-732/38	ED4A-732/38	ED4C-732/38
1/4	3/8	5/8	3-3/8	ED4-14/38	ED4A-14/38	ED4C-14/38
9/32	3/8	11/16	3-3/8	ED4-932/38	ED4A-932/38	ED4C-932/38
5/16	3/8	3/4	3-3/8	ED4-516/38	ED4A-516/38	ED4C-516/38
11/32	3/8	3/4	3-3/8	ED4-1132/38	ED4A-1132/38	ED4C-1132/38
3/8	3/8	3/4	3-3/8	ED4-38/38	ED4A-38/38	ED4C-38/38
13/32	1/2	1	4-1/8	ED4-1332/12	ED4A-1332/12	ED4C-1332/12
7/16	1/2	1	4-1/8	ED4-716/12	ED4A-716/12	ED4C-716/12
15/32	1/2	1	4-1/8	ED4-1532/12	ED4A-1532/12	ED4C-1532/12
1/2	1/2	1	4-1/8	ED4-12/12	ED4A-12/12	ED4C-12/12
9/16	5/8	1-3/8	5	ED4-916/58	ED4A-916/58	ED4C-916/58
5/8	5/8	1-3/8	5	ED4-58/58	ED4A-58/58	ED4C-58/58
11/16	3/4	1-5/8	5-5/8	ED4-1116/34	ED4A-1116/34	ED4C-1116/34
3/4	3/4	1-5/8	5-5/8	ED4-34/34	ED4A-34/34	ED4C-34/34
13/16	7/8	1-7/8	6-1/4	ED4-1316/78	ED4A-1316/78	ED4C-1316/78
7/8	7/8	1-7/8	6-1/4	ED4-78/78	ED4A-78/78	ED4C-78/78
15/16	1	1-7/8	6-3/8	ED4-1516/1	ED4A-1516/1	ED4C-1516/1
1	1	1-7/8	6-1/2	ED4-1/1	ED4A-1/1	ED4C-1/1

Multi-Flute End Mills High Speed Steel-Single End

- Designed for general purpose work including cam milling, die sinking and slot milling
- Excellent for use in a wide range of ferrous and non-ferrous materials
- Excellent for use in finishing operations
- Multi-flute design allows for higher feed rates



Size	Shank Dia.	Length of Cut	OAL	No. of Flutes	Model No.		
					M2	M2AL	Tin Coated
		Inch(in)					
1/8	3/8	3/8	2-5/16	4	E4-18/38	E4A-18/38	E4C-18/38
5/32	3/8	3/8	2-5/16	4	E4-532/38	E4A-532/38	E4C-532/38
3/16	3/8	1/2	2-3/8	4	E4-316/38	E4A-316/38	E4C-316/38
7/32	3/8	5/8	2-7/16	4	E4-732/38	E4A-732/38	E4C-732/38
1/4	3/8	5/8	2-7/16	4	E4-14/38	E4A-14/38	E4C-14/38
9/32	3/8	3/4	2-1/2	4	E4-932/38	E4A-932/38	E4C-932/38
5/16	3/8	3/4	2-1/2	4	E4-516/38	E4A-516/38	E4C-516/38
11/32	3/8	3/4	2-1/2	4	E4-1132/38	E4A-1132/38	E4C-1132/38
3/8	3/8	3/4	2-1/2	4	E4-38/38	E4A-38/38	E4C-38/38
13/32	3/8	1	2-11/16	4	E4-1332/38	E4A-1332/38	E4C-1332/38
7/16	3/8	1	2-11/16	4	E4-716/38	E4A-716/38	E4C-716/38
15/32	3/8	1	2-11/16	4	E4-1532/38	E4A-1532/38	E4C-1532/38
1/2	3/8	1	2-11/16	4	E4-12/38	E4A-12/38	E4C-12/38
1/2	1/2	1-1/4	3-1/4	4	E4-12/12	E4A-12/12	E4C-12/12
9/16	1/2	1-3/8	3-3/8	4	E4-916/12	E4A-916/12	E4C-916/12
5/8	1/2	1-3/8	3-3/8	4	E4-58/12	E4A-58/12	E4C-58/12
5/8	5/8	1-5/8	3-3/4	4	E4-58/58	E4A-58/58	E4C-58/58
11/16	1/2	1-5/8	3-5/8	4	E4-1116/12	E4A-1116/12	E4C-1116/12
11/16	5/8	1-5/8	3-3/4	4	E4-1116/58	E4A-1116/58	E4C-1116/58
3/4	1/2	1-5/8	3-5/8	4	E4-34/12	E4A-34/12	E4C-34/12
3/4	5/8	1-5/8	3-3/4	4	E4-34/58	E4A-34/58	E4C-34/58
3/4	3/4	1-5/8	3-3/4	4	E4-34/34	E4A-34/34	E4C-34/34
3/4	3/4	1-5/8	3-3/4	4	E6-34/34	E6A-34/34	E6C-34/34
13/16	1/2	1-7/8	4	4	E4-1316/12	E4A-1316/12	E4C-1316/12
13/16	5/8	1-7/8	4	6	E6-1316/58	E6A-1316/58	E6C-1316/58
13/16	3/4	1-7/8	4-1/8	4	E4-1316/34	E4A-1316/34	E4C-1316/34
7/8	1/2	1-7/8	3-5/8	4	E4-78/12	E4A-78/12	E4C-78/12
7/8	1/2	1-7/8	4	6	E6-78/12	E6A-78/12	E6C-78/12
7/8	5/8	1-7/8	4	6	E6-78/58	E6A-78/58	E6C-78/58
7/8	3/4	1-7/8	4-1/8	4	E4-78/34	E4A-78/34	E4C-78/34
7/8	3/4	1-7/8	4-1/8	6	E6-78/34	E6A-78/34	E6C-78/34
7/8	7/8	1-7/8	4-1/8	4	E4-78/78	E4A-78/78	E4C-78/78
15/16	1/2	1-7/8	4	4	E4-1516/12	E4A-1516/12	E4C-1516/12
15/16	5/8	1-7/8	4	6	E6-1516/58	E6A-1516/58	E6C-1516/58
15/16	3/4	1-7/8	4-1/8	4	E4-1516/34	E4A-1516/34	E4C-1516/34
15/16	7/8	1-7/8	4-1/8	4	E4-1516/78	E4A-1516/78	E4C-1516/78
1	1/2	1-7/8	4	4	E4A-1/12	E4A-1/12	E4C-1/12
1	1/2	1-7/8	4	6	E6-1/12	E6A-1/12	E6C-1/12
1	5/8	1-7/8	4	4	E4-1/58	E4A-1/58	E4C-1/58
1	5/8	1-7/8	4	6	E6-1/58	E6A-1/58	E6C-1/58
1	3/4	1-7/8	4-1/8	4	E4-1/34	E4A-1/34	E4C-1/34
1	3/4	1-7/8	4-1/8	6	E6-1/34	E6A-1/34	E6C-1/34
1	7/8	1-7/8	4-1/8	4	E4-1/78	E4A-1/78	E4C-1/78
1	1	2	4-1/2	4	E4A-1/1	E4A-1/1	E4C-1/1
1-1/16	3/4	2	4-1/4	6	E6-1116/34	E6A-1116/34	E6C-1116/34
1-1/8	3/4	2	4-1/4	6	E6-118/34	E6A-118/34	E6C-118/34
1-1/8	7/8	2	4-1/4	6	E6-118/78	E6A-118/78	E6C-118/78
1-1/8	1	2	4-1/2	6	E6-118/1	E6A-118/1	E6C-118/1
1-3/16	3/4	2	4-1/2	6	E6-1316/34	E6A-1316/34	E6C-1316/34
1-1/4	3/4	2	4-1/4	6	E6-114/34	E6A-114/34	E6C-114/34
1-1/4	7/8	2	4-1/4	4	E4-114/78	E4A-114/78	E4C-114/78
1-1/4	7/8	2	4-1/4	6	E6-114/78	E6A-114/78	E6C-114/78
1-1/4	1	2	4-1/2	6	E6-114/1	E6A-114/1	E6C-114/1
1-1/4	1-1/4	2	4-1/2	4	E4-114/114	E4A-114/114	E4C-114/114
1-1/4	1-1/4	2	4-1/2	6	E6-114/114	E6A-114/114	E6C-114/114
1-5/16	3/4	2	4-1/2	6	E6-1516/34	E6A-1516/34	E6C-1516/34
1-3/8	3/4	2	4-1/4	6	E6-138/34	E6A-138/34	E6C-138/34
1-3/8	1	2	4-1/2	6	E6-138/1	E6A-138/1	E6C-138/1
1-3/8	1-1/4	2	4-1/2	6	E6-138/114	E6A-138/114	E6C-138/114
1-7/16	3/4	2	4-1/2	6	E6-1716/34	E6A-1716/34	E6C-1716/34
1-1/2	3/4	2	4-1/4	6	E6-112/34	E6A-112/34	E6C-112/34
1-1/2	1	2	4-1/2	4	E4-112/1	E4A-112/1	E4C-112/1
1-1/2	1	2					