

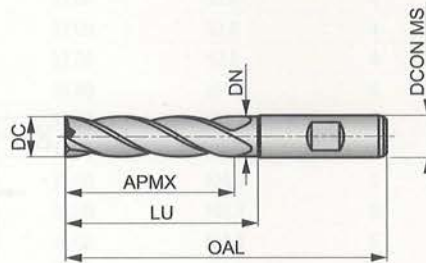
C273

Multi-Flute HSS-E-PM Long Series End Mill, Bright Finish

Long cut length, 4, 5 or 6 flute design provides high rigidity for finishing deep profiles in mild steels and non-ferrous materials, such as aluminium and medium strength titanium alloys.



HSS-E PM	N	NOF 4-6
	λ 30°	γ 12°
DIN 1835B	Bright	DC k10
	DIN 844L	



Workpiece material group suitability, starting values for cutting speed (m/min) and Alpha Code. Tables with feed per tooth and correction factors can be found starting from page 194

P1.1 ■ 46 C	P1.2 ■ 52 C	P1.3 ■ 54 C	P2.1 ■ 40 C	P2.2 ■ 35 C	P3.1 ■ 32 C	P3.2 ■ 26 B	P4.1 ■ 19 B	M1.1 ■ 14 C	M1.2 ■ 12 C	M2.1 ■ 12 C	M2.2 ■ 10 B	K1.1 ■ 25 C	K1.2 ■ 19 C
K1.3 ■ 14 C	K2.1 ■ 49 C	K2.2 ■ 40 C	K2.3 ■ 32 B	K3.1 ■ 44 C	K3.2 ■ 33 C	K3.3 ■ 27 A	K4.1 ■ 40 B	K4.2 ■ 30 B	K4.3 ■ 22 B	K4.4 ■ 19 A	K4.5 ■ 16 A	K5.1 ■ 46 B	K5.2 ■ 34 B
K5.3 ■ 27 B	N1.1 ■ 81 E	N1.2 ■ 60 D	N1.3 ■ 41 D	N2.1 ■ 41 C	N2.2 ■ 37 C	N2.3 ■ 26 C	N3.1 ■ 43 C	N3.2 ■ 25 C	N3.3 ■ 13 C	N4.1 ■ 43 C	S1.1 ■ 25 B	S1.2 ■ 20 B	S2.1 ■ 13 A
S3.1 ■ 10 A	S4.1 ■ 8 A												

DCON MS tolerance h6.

Product	DC (inch)	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C2732.0	—	2.00	6.00	10.00	54.0	4	—	—
C2732.5	—	2.50	6.00	12.00	56.0	4	—	—
C2733.0	—	3.00	6.00	12.00	56.0	4	—	—
C2731/8 ²⁾	1/8	3.18	6.00	15.00	59.0	4	—	—
C2733.5	—	3.50	6.00	15.00	59.0	4	—	—
C2734.0	—	4.00	6.00	19.00	63.0	4	—	—
C2734.5	—	4.50	6.00	19.00	63.0	4	—	—
C2733/16 ²⁾	3/16	4.76	6.00	24.00	68.0	4	—	—
C2735.0	—	5.00	6.00	24.00	68.0	4	—	—
C2735.5	—	5.50	6.00	24.00	68.0	4	—	—
C2736.0	—	6.00	6.00	24.00	68.0	4	—	—
C2731/4 ²⁾	1/4	6.35	10.00	30.00	80.0	4	—	—
C2737.0	—	7.00	10.00	30.00	80.0	4	—	—
C2738.0	—	8.00	10.00	38.00	88.0	4	—	—
C2739.0	—	9.00	10.00	38.00	88.0	4	—	—
C2733/8 ²⁾	3/8	9.52	10.00	45.00	95.0	4	54.50	9.50
C27310.0	—	10.00	10.00	45.00	95.0	4	54.50	9.50
C27311.0	—	11.00	12.00	45.00	102.0	4	—	—
C27312.0	—	12.00	12.00	53.00	110.0	4	64.50	11.50
C2731/2 ²⁾	1/2	12.70	12.00	53.00	110.0	4	64.50	11.50
C27313.0	—	13.00	12.00	53.00	110.0	4	64.50	11.50
C27314.0	—	14.00	12.00	53.00	110.0	4	64.50	11.50
C27315.0	—	15.00	12.00	53.00	110.0	4	64.50	11.50
C2735/8 ²⁾	5/8	15.88	16.00	63.00	123.0	4	74.50	15.50
C27316.0	—	16.00	16.00	63.00	123.0	4	74.50	15.50

Product	DC	DC	DCON MS	APMX	OAL	NOF	LU	DN
	(inch)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
027318.0	—	18.00	16.00	63.00	123.0	4	74.50	15.50
02733/4 ²⁾	3/4	19.05	20.00	75.00	141.0	4	90.50	18.50
027320.0	—	20.00	20.00	75.00	141.0	4	90.50	19.50
027322.0	—	22.00	20.00	75.00	141.0	5	90.50	19.50
027325.0	—	25.00	25.00	90.00	166.0	5	109.50	24.50
02731 ²⁾	1"	25.40	25.00	90.00	166.0	5	109.50	24.50
027328.0	—	28.00	25.00	90.00	166.0	6	109.50	24.50
027330.0	—	30.00	25.00	90.00	166.0	6	109.50	24.50
027332.0	—	32.00	32.00	106.00	186.0	6	125.50	31.50
027340.0 ¹⁾	—	40.00	40.00	125.00	217.0	6	146.50	39.00

Available in HSS-E only; no centre cutting.
 DC tolerance +0.0025 inches/-0.0005 inches.