

C500

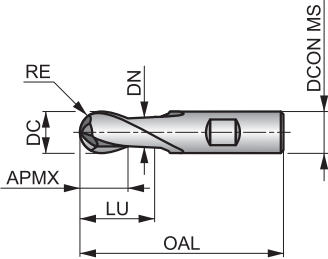
DORMER



2-Flute HSS-E Ball-Nosed End Mill, Bright Finish

Extra short cut length, 2-flute design provides high rigidity for increased strength and reduced vibrations. Geometry designed for contouring complex surfaces on CNC m/c, suited for mild steels, mild non-ferrous materials and medium strength titanium alloys. Neck recess on cutting diameter equal to 14 mm and above.

HSS-E	N	
	λ 30°	γ 12°
	Bright	DC e8
	DIN 327D	



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 261.

P1.1 ■ 53 E	P1.2 ■ 59 E	P1.3 ■ 61 E	P2.1 ■ 45 E	P2.2 ■ 40 E	P3.1 ■ 36 E	P3.2 ■ 29 D	P4.1 ■ 22 D	M1.1 ■ 34 E	M1.2 ■ 29 E	M2.1 ■ 31 E	M2.2 ■ 25 D	K1.1 ■ 30 E	K1.2 ■ 22 E
K1.3 ■ 17 E	K2.1 ■ 55 E	K2.2 ■ 45 E	K2.3 ■ 36 D	K3.1 ■ 49 E	K3.2 ■ 37 E	K3.3 ■ 30 D	K4.1 ■ 45 D	K4.2 ■ 34 D	K4.3 ■ 25 D	K4.4 ■ 22 C	K4.5 ■ 18 C	K5.1 ■ 51 D	K5.2 ■ 39 D
K5.3 ■ 30 D	N1.1 ■ 95 G	N1.2 ■ 71 F	N1.3 ■ 48 F	N2.1 ■ 48 E	N2.2 ■ 43 E	N2.3 ■ 31 E	N3.1 ■ 50 E	N3.2 ■ 29 E	N3.3 ■ 15 E	N4.1 ■ 50 E	S1.1 ■ 30 D	S1.2 ■ 25 D	S2.1 ■ 20 C
S3.1 ■ 15 C	S4.1 ■ 12 C												

DCON MS tolerance h6; RE ±0.05 mm.

Product	DC	RE	DCON MS	APMX	OAL	NOF	LU	DN
	(mm)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
C5002.0	2.00	1.00	6.00	4.00	48.0	2	—	—
C5003.0	3.00	1.50	6.00	5.00	49.0	2	—	—
C5004.0	4.00	2.00	6.00	7.00	51.0	2	—	—
C5005.0	5.00	2.50	6.00	8.00	52.0	2	—	—
C5006.0	6.00	3.00	6.00	8.00	52.0	2	—	—
C5007.0	7.00	3.50	10.00	10.00	60.0	2	—	—
C5008.0	8.00	4.00	10.00	11.00	61.0	2	—	—
C50010.0	10.00	5.00	10.00	13.00	63.0	2	—	—
C50012.0	12.00	6.00	12.00	16.00	73.0	2	—	—
C50014.0	14.00	7.00	12.00	16.00	73.0	2	27.50	11.50
C50015.0	15.00	7.50	12.00	16.00	73.0	2	27.50	11.50
C50016.0	16.00	8.00	16.00	19.00	79.0	2	30.50	15.50
C50018.0	18.00	9.00	16.00	19.00	79.0	2	30.50	15.50
C50020.0	20.00	10.00	20.00	22.00	88.0	2	37.50	19.50