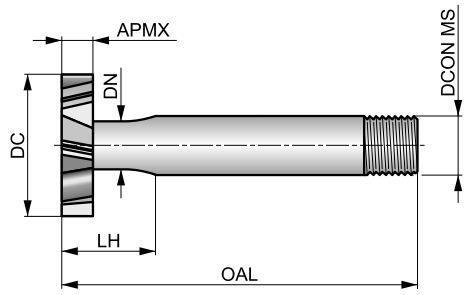
C820

DORMER



HSS Woodruff Cutter

Suitable for milling Woodruff keys in spindles and shafts. The screwed shank ensures secure holding. The bright finish prevents workpiece material from sticking to the cutting edges of the tool.



HSS	N	NOF 6-12
λ 12°	γ 10°	DIN 1835D
Bright		DORMER

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	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■27 V	■30 V	■31 V	■23 V	■20 U	◪18 T	■15 U	■12 U	◪10 T	■9 U	◪7 T	◪6 T	■21 S	■17 S
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■18 S	■15 S	■12 S	■10 S	◪9 S	◪10 S	■20 V	■15 V	■11 V	■25 U	■20 U	■16 U	■22 U	■17 U
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■13 U	■20 S	■15 S	■11 S	■10 S	■8 S	■23 U	■17 U	■13 U	■48 Y	■36 Y	■24 Y	■24 Y	■22 Y
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**
■16 Y	■26 V	■15 V	■8 W	◪26 Y	■20 V	◪15 V	◪10 U	◪7 U	◪7 T	◪5 U	◪5 T	◪4 U	◪4 T

DCON MS tolerance 0.-0.025 mm.

Product	Nr.	APMX [inch]	APMX [mm]	DC [inch]	DC [mm]	DN [mm]	LH [mm]	OAL [mm]	DCONMS [inch]	DCON MS [mm]	NOF
C82010.5X2.0	–	–	2.00	–	10.50	3.90	12.0	57.0	–	12.00	6
C82010.5X2.5	–	–	2.50	–	10.50	3.90	12.5	57.0	–	12.00	6
C82010.5X3.0	–	–	3.00	–	10.50	4.20	13.0	57.0	–	12.00	6
C820204 [1)]	204	1/16	1.59	1/2	12.70	3.30	11.6	57.0	1/2	12.70	6
C820404 [1)]	404	1/8	3.18	1/2	12.70	4.85	13.2	57.0	1/2	12.70	6
C82013.5X2.0	–	–	2.00	–	13.50	4.00	12.0	57.0	–	12.00	6
C82013.5X2.5	–	–	2.50	–	13.50	4.00	12.5	57.0	–	12.00	6
C82013.5X3.0	–	–	3.00	–	13.50	5.00	13.0	57.0	–	12.00	6
C82013.5X4.0	–	–	4.00	–	13.50	5.00	14.0	57.0	–	12.00	6
C820405 [1)]	405	1/8	3.18	5/8	15.88	5.65	13.2	57.0	1/2	12.70	6
C820505 [1)]	505	5/32	3.97	5/8	15.88	6.35	14.0	57.0	1/2	12.70	6
C82016.5X2.5	–	–	2.50	–	16.50	4.00	12.5	57.0	–	12.00	6
C82016.5X3.0	–	–	3.00	–	16.50	5.00	13.0	57.0	–	12.00	6
C82016.5X4.0	–	–	4.00	–	16.50	5.00	14.0	57.0	–	12.00	6
C82016.5X5.0	–	–	5.00	–	16.50	5.60	15.0	57.0	–	12.00	6
C820406 [1)]	406	1/8	3.18	3/4	19.05	5.50	13.2	57.0	1/2	12.70	6
C820506 [1)]	506	5/32	3.97	3/4	19.05	6.35	14.0	57.0	1/2	12.70	6
C820606 [1)]	606	3/16	4.76	3/4	19.05	7.15	14.8	57.0	1/2	12.70	6
C82019.5X3.0	–	–	3.00	–	19.50	5.60	13.0	57.0	–	12.00	6
C82019.5X4.0	–	–	4.00	–	19.50	5.60	14.0	57.0	–	12.00	6
C82019.5X5.0	–	–	5.00	–	19.50	6.00	15.0	57.0	–	12.00	6
C820507 [1)]	507	5/32	3.97	7/8	22.23	6.35	14.0	63.5	1/2	12.70	8
C820607 [1)]	607	3/16	4.76	7/8	22.23	7.15	14.8	63.5	1/2	12.70	8
C820807 [1)]	807	1/4	6.35	7/8	22.23	8.75	16.4	63.5	1/2	12.00	8
C82022.5X4.0	–	–	4.00	–	22.50	5.60	14.0	63.5	–	12.00	8

Product	Nr.	APMX	APMX	DC	DC	DN	LH	OAL	DCONMS	DCON MS	NOF
		[inch]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[inch]	[mm]	
C82022.5X5.0	–	–	5.00	–	22.50	6.00	15.0	63.5	–	12.00	8
C82022.5X6.0	–	–	6.00	–	22.50	6.50	16.0	63.5	–	12.00	8
C820608 [1)]	608	3/16	4.76	1″	25.40	7.15	14.8	70.0	1/2	12.70	8
C820808 [1)]	808	1/4	6.35	1″	25.40	8.75	16.4	70.0	1/2	12.70	8
C82025.5X5.0	–	–	5.00	–	25.50	7.50	15.0	70.0	–	12.00	8
C82025.5X6.0	–	–	6.00	–	25.50	7.50	16.0	70.0	–	12.00	8
C82025.5X8.0	–	–	8.00	–	25.50	8.00	18.0	70.0	–	12.00	8
C82028.5X5.0	–	–	5.00	–	28.50	8.00	17.0	70.0	–	12.00	8
C82028.5X6.0	–	–	6.00	–	28.50	8.50	18.0	70.0	–	12.00	8
C82028.5X8.0	–	–	8.00	–	28.50	9.00	20.0	70.0	–	12.00	8
C820610 [1)]	610	3/16	4.76	1.1/4	31.75	7.95	16.8	70.0	1/2	12.70	10
C820810 [1)]	810	1/4	6.35	1.1/4	31.75	9.50	18.4	70.0	1/2	12.70	10
C8201210 [1)]	1210	3/8	9.53	1.1/4	31.75	11.95	21.5	70.0	1/2	12.70	10
C82032.5X5.0 [1)]	–	–	5.00	–	32.50	8.00	17.0	70.0	–	12.00	10
C82032.5X6.0	–	–	6.00	–	32.50	8.50	18.0	70.0	–	12.00	10
C82032.5X8.0	–	–	8.00	–	32.50	9.00	20.0	70.0	–	12.00	10
C820811 [1)]	811	1/4	6.35	1.3/8	34.93	11.10	26.4	76.0	1/2	12.70	10
C8201211 [1)]	1211	3/8	9.53	1.3/8	34.93	11.95	29.5	76.0	1/2	12.70	10
C82035.5X6.0	–	–	6.00	–	35.50	9.50	26.0	76.0	–	12.00	10
C82035.5X8.0	–	–	8.00	–	35.50	11.50	28.0	76.0	–	12.00	10
C820812 [1)]	812	1/4	6.35	1.1/2	38.10	11.10	26.4	76.0	1/2	12.70	10
C8201212 [1)]	1212	3/8	9.53	1.1/2	38.10	11.95	29.5	76.0	1/2	12.70	10
C82038.5X8.0	–	–	8.00	–	38.50	11.50	28.0	76.0	–	12.00	10
C82038.5X10.0	–	–	10.00	–	38.50	11.50	30.0	76.0	–	12.00	10
C82045.5X10.0	–	–	10.00	–	45.50	11.50	30.0	76.0	–	12.00	12

[1)] Standard - BS 122/4.