

HSS MODULE GEAR MILLING CUTTERS # 867 MC

High Speed Steel - Pressure Angle 20°
Top Quality - Typical Origin: Austria, Germany



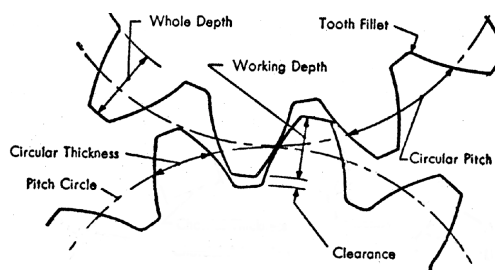
NOM. SIZE MODULE	DATA IN mm			BORE DIA.
	PITCH DIA.	CIRCULAR PITCH	OUTSIDE DIA.	
(m 0.5)	-	-	40	16
(m 0.75)	-	-	40	16
m 1	25.400	3.14	50	16
m 1.25	20.320	3.93	50	16
m 1.5	16.933	4.71	60	22
m 1.75	14.514	5.50	60	22
m 2	12.700	6.28	60	22
m 2.25	11.289	7.07	60	22
m 2.5	10.160	7.85	65	22
m 2.75	9.236	8.64	70	27
m 3	8.466	9.42	70	27
m 3.25	7.815	10.20	75	27
m 3.5	7.257	11.00	75	27
m 3.75	6.773	11.78	80	27
m 4	6.350	12.57	80	27
m 4.5	5.644	14.14	85	27
m 5	5.080	15.71	90	32
m 5.5	4.618	17.28	95	32
m 6	4.233	18.85	100	32
m 7	3.628	21.99	105	32
m 8	3.175	25.13	110	32

CUTTER # FOR NUMBER OF TEETH	
CUTTER #	TEETH
1	12 to 13
2	14 to 16
3	17 to 20
4	21 to 25
5	26 to 34
6	35 to 54
7	55 to 134
8	135 to -

Each module is available in every cutter number. Specify module and cutter number based upon the number of teeth to be cut. For example, if you want a **module 4 cutter to cut between 14 to 16 teeth** you would need an **m 4 module and cutter # 2** (see How To Order, below).

Sizes shown in () should be avoided, when possible.

FORMULAS FOR STANDARD GEARS	
m = MODULE	$m = \frac{CP}{3.1416} = \frac{PD}{NT}$
NT = NUMBER OF TEETH	$NT = \frac{PD}{m}$
CP = CIRCULAR PITCH	$CP = m \times 3.1416$
PD = PITCH DIAMETER	$PD = m \times NT$
OD = OUTSIDE DIAMETER	$OD = PD + 2m - M(NT + 2)$
A = ADDENDUM	$A = m$
D = DEDENDUM	$D = 1.166 m$
C = CENTER DISTANCE	$C = \frac{PD1 + PD2}{2} m \frac{NT1 + NT2}{2}$



How to Order

Item #: 867 MC
Size: m 4 Cutter # 2
Quantity: 40
Tel: 1-888-966-MMCC

To find the metric module equivalent to a given diametral pitch, divide 25.4 by the diametral pitch. To find the diametral pitch equivalent to a given module, divide 25.4 by the module.

Please note: For sets and sizes other than the ones listed above - **Please inquire.