



**High Speed Steel
ROTARY FORM RELIEVED INVOLUTE
GEAR CUTTERS**
14.1/2° or 20° Pressure Angle

Specifications Conform to:
BS 2518 : 1954
Dimensions in mm



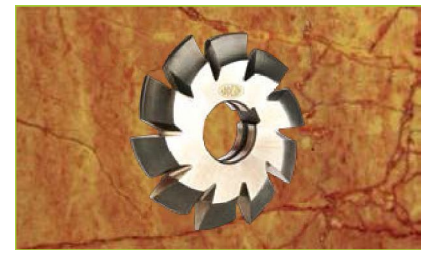
Module in mm	Bore				
	22	27	32	40	50
	Diameter				
0.50	57	—	—	—	—
0.75	57	—	—	—	—
1.00	57	—	—	—	—
1.25	61	—	—	—	—
1.50	64	—	—	—	—
1.75	64	—	—	—	—
2.00	67	67	73	83	—
2.25	67	67	73	83	—
2.50	—	70	77	86	—
2.75	—	70	77	86	—
3.00	—	73	83	92	—
3.25	—	75	83	92	—
3.50	—	77	86	96	—
3.75	—	80	86	96	—
4.00	—	80	89	99	—
4.50	—	86	96	105	—
5.00	—	86	96	105	—
5.50	—	92	102	111	—
6.00	—	96	108	118	—
6.50	—	105	111	121	—
7.00	—	—	115	124	—
8.00	—	—	121	130	—
9.00	—	—	133	134	147
10.00	—	—	133	140	150
11.00	—	—	140	147	158
12.00	—	—	140	147	158
14.00	—	—	158	178	178
16.00	—	—	—	—	191
20.00	—	—	—	—	203

A circular milling cutter having on its periphery teeth of such form that it will cut a single tooth space in a gear. The cutters will have radially machine relieved teeth.



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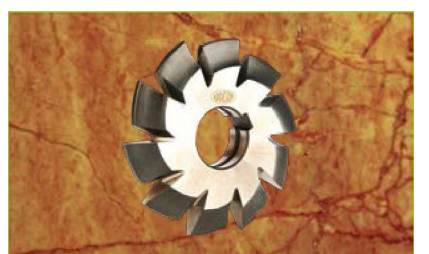
Diametral pitch	Bore			
	1	1.1/4	1.1/2	2
	Diameter			
1.1/4	-	-	-	8
1.1/2	-	-	-	7.1/2
1.3/4	-	-	-	7
2	-	5.1/2	5.3/4	-
2.1/4	-	5.1/2	5.3/4	-
2.1/2	-	5.1/4	5.1/2	-
2.3/4	-	5	5.1/4	-
3	-	4.3/4	5.1/8	-
3.1/4	-	4.5/8	5	-
3.1/2	-	4.1/2	4.7/8	-
3.3/4	-	4.3/8	4.3/4	-
4	3.3/4	4.1/4	4.5/8	-
4.1/2	3.5/8	4	4.3/8	-
5	3.3/8	3.3/4	4.1/8	-
5.1/2	3.3/8	3.3/4	4.1/8	-
6	3.1/8	3.1/2	3.7/8	-
7	3	3.3/8	3.3/4	-
8	2.7/8	3.1/4	3.5/8	-
9	2.3/4	3	3.3/8	-
10	2.3/4	3	3.3/8	-
11	2.5/8	2.7/8	3.1/4	-
12	2.5/8	2.7/8	3.1/4	-

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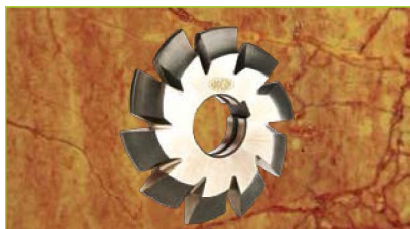
Diametral pitch	Bore			
	1	1.1/4	1.1/2	2
	Diameter			
13	2.5/8	-	-	-
14	2.1/2	-	-	-
15	2.1/2	-	-	-
16	2.1/2	-	-	-
18	2.3/8	-	-	-
20	2.3/8	-	-	-
22	2.1/4	-	-	-
24	2.1/4	-	-	-
26	2.1/4	-	-	-
28	2.1/4	-	-	-
30	2.1/4	-	-	-

Tolerance on Width below 1" = + 0.010"/ 0.000
1" and above = + 0.015"/ 0.000



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INVOLUTE GEAR CUTTERS
Equivalent Pitches**

Specifications Conform to:
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Dimensions in mm/Inches



Diametral Pitch	Circular Pitch inch	Module mm	Diametral Pitch	Circular Pitch inch	Module mm	Diametral Pitch	Circular Pitch inch	Module mm
1.2500	2.5133	20.3202	3.0000	1.0472	8.4667	8.4667	0.3711	3.0000
1.2566	2.5000	20.2127	3.1416	1.0000	8.0851	9.0000	0.3491	2.8222
1.2700	2.4737	20.0000	3.1750	0.9895	8.0000	10.0000	0.3142	2.5400
1.3963	2.2500	18.1914	3.3510	0.9375	7.5797	10.0531	0.3125	2.5266
1.4111	2.2263	18.0000	3.5000	0.8976	7.2571	10.1600	0.3092	2.5000
1.5000	2.0944	16.9333	3.5904	0.8750	7.0744	11.0000	0.2856	2.3091
1.5708	2.0000	16.1701	3.6286	0.8658	7.0000	12.0000	0.2618	2.1167
1.5875	1.9790	16.0000	3.8666	0.8125	6.5691	12.5664	0.2500	2.0213
1.6755	1.8750	15.1595	3.9078	0.8040	6.5000	12.7000	0.2474	2.0000
1.6933	1.8553	15.0000	4.0000	0.7854	6.3500	13.0000	0.2417	1.9538
1.7500	1.7952	14.5143	4.1888	0.7500	6.0638	14.0000	0.2244	1.8143
1.7952	1.7500	14.1489	4.2333	0.7421	6.0000	15.0000	0.2094	1.6933
1.8143	1.7316	14.0000	4.5696	0.6875	5.5585	16.0000	0.1963	1.5875
1.9333	1.6250	13.1382	4.6182	0.6803	5.5000	16.7552	0.1875	1.5159
1.9538	1.6079	13.0000	5.0000	0.6283	5.0800	16.9333	0.1855	1.5000
2.0000	1.5708	12.7000	5.0265	0.6250	5.0532	17.0000	0.1848	1.4941
2.0944	1.5000	12.1276	5.0800	0.6184	5.0000	18.0000	0.1745	1.4111
2.1167	1.4842	12.0000	5.5851	0.5625	4.5478	19.0000	0.1653	1.3368
2.2500	1.3963	11.2892	5.6443	0.5566	4.5000	20.0000	0.1571	1.2700
2.2848	1.3750	11.1170	6.0000	0.5236	4.2333	22.0000	0.1428	1.1545
2.3091	1.3605	11.0000	6.2832	0.5000	4.0425	24.0000	0.1309	1.0583
2.5000	1.2566	10.1600	6.3500	0.4947	4.0000	25.0000	0.1257	1.0160
2.5133	1.2500	10.1062	7.0000	0.4488	3.6286	25.1327	0.1250	1.0106
2.5400	1.2368	10.0000	7.1808	0.4375	3.5372	25.4000	0.1237	1.0000
2.7500	1.1424	9.2364	7.2571	0.4329	3.5000	26.0000	0.1208	0.9769
2.7925	1.1250	9.0957	8.0000	0.3927	3.1750	28.0000	0.1122	0.9071
2.8222	1.1132	9.0000	8.3776	0.3750	3.0319	30.0000	0.1047	0.8467



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STANDARD CUTTER GROUP (8 CUTTERS)			
Cutter No.	Inclusive Range of Teeth for Spur Gear	Cutter No.	Inclusive Range of Teeth for Spur Gear
1	135 to Rack	5	21 to 25
2	55 to 134	6	17 to 20
3	35 to 54	7	14 to 16
4	26 to 34	8	12 & 13