

TABLE VI
GEAR TOOTH PARTS

Full-Length Teeth Fine-Pitch Gears
Dedendum = $1.2000 + D.P. + 0.002''$
Whole Depth = $2.2000 + D.P. + 0.002''$

Diametral Pitch (D.P.)	DIMENSIONS IN INCHES				
	Circular Thickness (C.Th.)	Addendum (A)	Dedendum (D)	Whole Tooth Depth (W.D.)	Double Tooth Depth (D.D.)
106	0.01482	0.0094	0.0133	0.0228	0.0456
108	0.01454	0.0093	0.0131	0.0224	0.0448
110	0.01428	0.0091	0.0129	0.0220	0.0440
112	0.01402	0.0089	0.0127	0.0216	0.0432
114	0.01378	0.0088	0.0125	0.0213	0.0426
116	0.01354	0.0086	0.0123	0.0210	0.0420
118	0.01331	0.0085	0.0122	0.0206	0.0412
120	0.01309	0.0083	0.0120	0.0203	0.0406
122	0.01288	0.0082	0.0118	0.0200	0.0400
124	0.01267	0.0081	0.0117	0.0197	0.0394
126	0.01247	0.0079	0.0115	0.0195	0.0390
128	0.01227	0.0078	0.0114	0.0192	0.0384
130	0.01208	0.0077	0.0112	0.0189	0.0378
132	0.01190	0.0076	0.0111	0.0187	0.0374
134	0.01172	0.0075	0.0110	0.0184	0.0368
136	0.01155	0.0074	0.0108	0.0182	0.0364
138	0.01138	0.0072	0.0107	0.0179	0.0358
140	0.01122	0.0071	0.0106	0.0177	0.0354
142	0.01106	0.0070	0.0105	0.0175	0.0350
144	0.01091	0.0069	0.0103	0.0173	0.0346
146	0.01076	0.0068	0.0102	0.0171	0.0342
148	0.01061	0.0068	0.0101	0.0169	0.0338
150	0.01047	0.0067	0.0100	0.0167	0.0334
152	0.01033	0.0066	0.0099	0.0165	0.0330
154	0.01020	0.0065	0.0098	0.0163	0.0326
156	0.01007	0.0064	0.0097	0.0161	0.0322
158	0.00994	0.0063	0.0096	0.0159	0.0318
160	0.00982	0.0063	0.0095	0.0158	0.0316
170	0.00924	0.0059	0.0091	0.0149	0.0298
180	0.00873	0.0056	0.0087	0.0142	0.0284
190	0.00827	0.0053	0.0083	0.0136	0.0272
200	0.00785	0.0050	0.0080	0.0130	0.0260
210	0.00748	0.0048	0.0077	0.0125	0.0250
220	0.00714	0.0045	0.0075	0.0120	0.0240
230	0.00683	0.0043	0.0072	0.0116	0.0232
240	0.00655	0.0042	0.0070	0.0112	0.0224
250	0.00628	0.0040	0.0068	0.0108	0.0216

TABLE VII

GEAR TOOTH PARTS
ANSI Standard Stub-Tooth Gears
Addendum = $1 + D.P.$
Dedendum = $0.7 + D.P.$
Whole Depth = $1.8 + D.P.$

Diametral Pitch (D.P.)	DIMENSIONS IN INCHES				
	Circular Thickness (C.Th.)	Addendum (A)	Dedendum (D)	Whole Tooth Depth (W.D.)	Double Tooth Depth (D.D.)
3	0.5236	0.2667	0.3333	0.6000	1.2000
3½	0.4488	0.2286	0.2857	0.5143	1.0286
4	0.3927	0.2000	0.2500	0.4500	0.9000
5	0.3142	0.1600	0.2000	0.3600	0.7200
6	0.2618	0.1333	0.1667	0.3000	0.6000
7	0.2244	0.1143	0.1428	0.2571	0.5142
8	0.1963	0.1000	0.1250	0.2250	0.4500
9	0.1745	0.0889	0.1111	0.2000	0.4000
10	0.1571	0.0800	0.1000	0.1800	0.3600
11	0.1428	0.0727	0.0909	0.1636	0.3272
12	0.1309	0.0667	0.0833	0.1500	0.3000
13	0.1208	0.0615	0.0769	0.1384	0.2768
14	0.1122	0.0571	0.0714	0.1285	0.2570
15	0.1047	0.0533	0.0667	0.1200	0.2400
16	0.0982	0.0500	0.0625	0.1125	0.2250
17	0.0924	0.0471	0.0588	0.1059	0.2118
18	0.0873	0.0444	0.0556	0.1000	0.2000
19	0.0827	0.0421	0.0526	0.0947	0.1894
20	0.0785	0.0400	0.0500	0.0900	0.1800
22	0.0714	0.0364	0.0454	0.0818	0.1636
24	0.0654	0.0333	0.0417	0.0750	0.1500
26	0.0604	0.0308	0.0384	0.0692	0.1384
28	0.0561	0.0286	0.0357	0.0643	0.1286
30	0.0524	0.0267	0.0333	0.0600	0.1200
32	0.0491	0.0250	0.0312	0.0562	0.1124
34	0.0462	0.0235	0.0294	0.0529	0.1058
36	0.0436	0.0222	0.0278	0.0500	0.1000
38	0.0413	0.0211	0.0263	0.0474	0.0948
40	0.0393	0.0200	0.0250	0.0450	0.0900

... AND FROM THE INDUSTRY

Items for this column should be sent to **GEAR TECHNOLOGY**, The Journal of Gear Manufacturing, P.O. Box 1426, Elk Grove Village, IL 60007 or phone (312) 437-6604. We welcome news announcements concerning new employees, retirement, or other announcements of interest to the gear industry. Announcements must be received by the 25th of the month, two months prior to the date of the next publication. Items received after this date will be held for the following publication.

M & M Precision & Reishauer Marketing Agreement

M & M Precision Systems have recently completed a marketing agreement with **Reishauer Corp.** The Reishauer staff have completed training at the M & M Precision Systems plant in Dayton, Ohio, and they are available immediately to assist the M & M network.

American Pfauter Adds New Distributor

American Pfauter Ltd., manufacturer of gear production and measuring systems, has expanded its distributor organization by naming Machine Tool Systems, Inc., a subsidiary of the Robert E. Morris Co. of Hartford, Connecticut. Under the management of President David Yaged and V.P. of Sales Dick Long, the new distributorship will serve Alabama, Georgia, Florida, Virginia, North and South Carolina from its offices in Charlotte and Greenville.

Gleason Opens Detroit Office

The Detroit Sales Office for **Gleason** is now open at: 370 Franklin Center, 29100 Northwestern Highway, Southfield, MI 48034. Geoffrey Ashcroft, Regional Sales Manager for this office can be reached by calling (313) 353-5205.

Acme-Cleveland Purchases Two British Firms

Spline Gauges Ltd. and its affiliate, **Piccadilly Precision Engineering Ltd.** of Tamworth England have been purchased by **Acme-Cleveland**. These companies make gauges and other products used to control the accuracy in the production of high precision gears. They will continue to be managed by Keneth Foster, who is the current managing director.

Cadillac Machinery Sales Program

Cadillac Machinery, Elk Grove, Illinois announces a new sales program to allow gear manufacturers to convert their under utilized machinery into the capital dollars needed to upgrade to the latest technology that new machinery has to offer. Call Richard Goldstein (312) 437-6600 for details.

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