

TECHNICAL SECTION

SECTION 7. Equivalent

TABLE 7.1
TABLE OF EQUIVALENT DIAMETRAL, MODULE
AND CIRCULAR PITCHES

Diametral Pitch	Circular Pitch In Inches	Circular Pitch In Millimeters	Module In Millimeters
20"	.1571	3.990	1.2700
24"	.1309	3.325	1.0583
25.3995	.1237	3.142	1.0"
31.4159	.100"	2.540	.8085
31.7653	.0989	2.513	.8"
32"	.0982	2.494	.7938
36.2857	.0856	2.199	.7"
42.3333	.0742	1.885	.6"
48"	.0654	1.661	.5288
50.8348	.0618	1.571	.5"
63.5950	.0494	1.256	.4"
64"	.0491	1.247	.3969
72"	.0436	1.107	.3524
80"	.0393	.998	.3177
84.5198	.0371	.943	.3"
96"	.0327	.831	.2645
101.6697	.0309	.785	.25"
120"	.0262	.665	.2116
127.1899	.0247	.628	.2"
200"	.0157	.399	.127

TABLE 7.2
SPUR GEAR DATA

Standard Stock Pitches	Addendum	Dedendum	Whole Depth	Circular Pitch
20	.0500	.0579	.1079	.1571
24	.0417	.0520	.0937	.1309
1/10	.0318	.0402	.0720	.1000
32	.0313	.0395	.0708	.0982
48	.0208	.0270	.0478	.0654
64	.0156	.0208	.0364	.0491
72	.0139	.0187	.0326	.0436
80	.0125	.0170	.0295	.0393
96	.0104	.0145	.0249	.0327
120	.0083	.0120	.0203	.0262
200	.0050	.0080	.0130	.0157

TABLE 7.3
SPUR GEAR DATA FOR STANDARD MODULES
(All dimensions in millimeters)

Standard Module M	Addendum M	Dedendum* 1.16M	Whole Depth 2.16M	Circular Pitch πM
0.2	0.200	0.234	0.434	0.628
0.25	0.250	0.292	0.541	0.785
0.3	0.300	0.350	0.650	0.943
0.4	0.400	0.467	0.866	1.256
0.5	0.500	0.584	1.085	1.571
0.6	0.600	0.701	1.300	1.885
0.7	0.700	0.818	1.519	2.199
0.8	0.800	0.935	1.735	2.513
1.0	1.000	1.166	2.167	3.142

* Based on clearance equalling one-sixth module.

* Standard Pitches and Modules Offered by PIC Design.