

#219* .306" Pitch Sprocket Diameters

© Azusa Engineering, Inc. 2005
1542 W. Industrial Park St.
Covina, CA 91722-3417
626-967-4167 Fax: 626-966-4071
<http://www.azusaeng.com>
E-Mail: sales@azusaeng.com



No. Teeth	Outside Diameter	Caliper Diameter	Root Diameter	No. Teeth	Outside Diameter	Caliper Diameter	Root Diameter	No. Teeth	Outside Diameter	Caliper Diameter	Root Diameter
8	0.923	0.619		41	4.170	3.815		74	7.389	7.031	
9	1.025	0.701		42	4.268	3.915		75	7.486	7.126	
10	1.126	0.810		43	4.365	4.009		76	7.583	7.225	
11	1.226	0.895		44	4.463	4.110		77	7.681	7.321	
12	1.326	1.002		45	4.560	4.204		78	7.778	7.420	
13	1.425	1.089		46	4.658	4.304		79	7.876	7.516	
14	1.525	1.195		47	4.756	4.399		80	7.973	7.615	
15	1.624	1.283		48	4.853	4.499		81	8.071	7.711	
16	1.722	1.388		49	4.951	4.594		82	8.168	7.810	
17	1.821	1.478		50	5.048	4.694		83	8.266	7.906	
18	1.919	1.582		51	5.146	4.789		84	8.363	8.005	
19	2.018	1.672		52	5.243	4.888		85	8.461	8.101	
20	2.116	1.776		53	5.341	4.983		86	8.558	8.199	
21	2.214	1.867		54	5.438	5.083		87	8.656	8.295	
22	2.312	1.970		55	5.536	5.178		88	8.753	8.394	
23	2.410	2.062		56	5.634	5.278		89	8.851	8.490	
24	2.508	2.164		57	5.731	5.373		90	8.948	8.589	
25	2.606	2.256		58	5.829	5.473		91	9.046	8.685	
26	2.704	2.358		59	5.926	5.568		92	9.143	8.784	
27	2.802	2.451		60	6.024	5.667		93	9.240	8.880	
28	2.900	2.553		61	6.121	5.763		94	9.338	8.979	
29	2.998	2.646		62	6.219	5.862		95	9.435	9.075	
30	3.096	2.747		63	6.316	5.958		96	9.533	9.173	
31	3.193	2.841		64	6.414	6.057		97	9.630	9.270	
32	3.291	2.942		65	6.511	6.152		98	9.728	9.368	
33	3.389	3.035		66	6.609	6.252		99	9.825	9.464	
34	3.487	3.136		67	6.706	6.347		100	9.923	9.563	
35	3.584	3.230		68	6.804	6.446		101	10.020	9.659	
36	3.682	3.331		69	6.901	6.542		102	10.118	9.758	
37	3.780	3.425		70	6.999	6.641		103	10.215	9.854	
38	3.877	3.526		71	7.096	6.737		104	10.312	9.953	
39	3.975	3.620		72	7.194	6.836		105	10.410	10.049	
40	4.072	3.720		73	7.291	6.932					

*When Azusa Engineering first began producing #219 sprockets, we found no published dimensional data tables with the precision we required for manufacturing. Using ANSI B29.1 Standard, Azusa derived the applicable formulas and generated the required #219 sprocket data. As a service to industries using these sprockets, we have summarized this hard-to-find data in the above table.