

Sprocket Outside Diameter

Teeth	25	35	40	41	50	60	80	100	120	140	160	180	200
Plate	.110	.168	.284	.227	.343	.459	.575	.692	.924	.924	1.156	1.301	1.389
7	.669	1.004	1.338	1.338	1.673	2.007	2.676	3.350	4.014	4.683	5.352	6.021	6.690
8	.754	1.130	1.507	1.507	1.884	2.260	3.010	3.770	4.520	5.275	6.030	6.782	7.535
9	.837	1.260	1.670	1.670	2.090	2.510	3.350	4.180	5.020	5.859	6.700	7.533	8.370
10	.919	1.380	1.840	1.840	2.300	2.760	3.680	4.600	5.520	6.437	7.360	8.276	9.200
11	1.002	1.500	2.000	2.000	2.500	3.000	4.010	5.010	6.010	7.010	8.010	9.010	10.020
12	1.083	1.630	2.170	2.170	2.710	3.250	4.330	5.420	6.500	7.580	8.660	9.750	10.830
13	1.167	1.750	2.330	2.330	2.910	3.490	4.660	5.820	6.990	8.150	9.310	10.480	11.640
14	1.246	1.870	2.490	2.490	3.110	3.740	4.980	6.230	7.470	8.720	9.960	11.210	12.460
15	1.326	1.990	2.650	2.650	3.320	3.980	5.300	6.630	7.960	9.280	10.610	11.930	13.260
16	1.407	2.110	2.810	2.810	3.520	4.220	5.630	7.030	8.440	9.850	11.260	12.660	14.070
17	1.487	2.230	2.970	2.970	3.720	4.460	5.950	7.440	8.920	10.410	11.900	13.390	14.870
18	1.568	2.350	3.140	3.140	3.920	4.700	6.270	7.840	9.410	10.980	12.540	14.110	15.680
19	1.648	2.470	3.300	3.300	4.120	4.950	6.590	8.240	9.890	11.540	13.190	14.830	16.480
20	1.729	2.590	3.460	3.460	4.320	5.190	6.910	8.640	10.370	12.100	13.830	15.560	17.290
21	1.809	2.710	3.620	3.620	4.520	5.430	7.240	9.040	10.850	12.660	14.470	16.280	18.090
22	1.889	2.830	3.780	3.780	4.720	5.670	7.560	9.440	11.330	13.220	15.110	17.000	18.890
23	1.969	2.950	3.940	3.940	4.920	5.910	7.880	9.840	11.810	13.780	15.750	17.720	19.690
24	2.049	3.070	4.100	4.100	5.120	6.150	8.200	10.250	12.290	14.340	16.390	18.440	20.490
25	2.129	3.190	4.260	4.260	5.320	6.390	8.520	10.650	12.770	14.900	17.030	19.160	21.290
26	2.209	3.310	4.420	4.420	5.520	6.630	8.840	11.050	13.250	15.460	17.670	19.881	22.090
27	2.289	3.430	4.580	4.580	5.720	6.870	9.160	11.440	13.730	16.020	18.310	20.601	22.890
28	2.369	3.550	4.740	4.740	5.920	7.110	9.480	11.840	14.210	16.580	18.950	21.320	23.690
29	2.449	3.673	4.900	4.900	6.120	7.350	9.800	12.240	14.693	17.141	19.590	22.039	24.488
30	2.529	3.790	5.060	5.060	6.320	7.590	10.110	12.640	15.170	17.700	20.230	22.760	25.290
31	2.609	3.913	5.220	5.220	6.520	7.830	10.430	13.040	15.651	18.260	20.868	23.477	26.085
32	2.688	4.030	5.380	5.380	6.720	8.070	10.750	13.440	16.130	18.820	21.506	24.194	26.880
33	2.768	4.152	5.540	5.540	6.920	8.300	11.070	13.840	16.610	19.378	22.146	24.914	27.682
34	2.848	4.272	5.700	5.700	7.120	8.540	11.390	14.240	17.090	19.936	22.784	25.632	28.480
35	2.928	4.390	5.860	5.860	7.320	8.780	11.710	14.640	17.570	20.490	23.420	26.350	29.280
36	3.008	4.510	6.020	6.020	7.520	9.020	12.030	15.040	18.050	21.050	24.060	27.068	30.075
37	3.087	4.631	6.170	6.170	7.720	9.260	12.350	15.440	18.524	21.611	24.698	27.785	30.872
38	3.167	4.751	6.330	6.330	7.920	9.500	12.670	15.840	19.002	22.169	25.336	28.503	31.670
39	3.247	4.870	6.490	6.490	8.120	9.740	12.990	16.230	19.481	22.727	25.974	29.221	32.468
40	3.327	4.990	6.650	6.650	8.320	9.980	13.310	16.630	19.960	23.290	26.610	29.940	33.270
41	3.406	5.109	6.810	6.810	8.520	10.220	13.630	17.030	20.438	23.844	27.250	30.656	34.062
42	3.486	5.230	6.970	6.970	8.720	10.460	13.940	17.430	20.920	24.402	27.888	31.374	34.860
43	3.566	5.349	7.130	7.130	8.910	10.700	14.260	17.830	21.395	24.960	28.526	32.092	35.658
44	3.646	5.468	7.290	7.290	9.110	10.940	14.580	18.230	21.873	25.519	29.164	32.810	36.445
45	3.725	5.590	7.450	7.450	9.310	11.180	14.900	18.630	22.350	26.080	29.800	33.530	37.250
46	3.805	5.707	7.610	7.610	9.510	11.420	15.220	19.020	22.829	26.633	30.438	34.243	38.047
47	3.885	5.827	7.770	7.770	9.710	11.650	15.540	19.420	23.307	27.192	31.076	34.961	38.845
48	3.964	5.950	7.930	7.930	9.910	11.890	15.860	19.820	23.790	27.750	31.714	35.678	39.642
49	4.044	6.066	8.090	8.090	10.110	12.130	16.180	20.220	24.264	28.308	32.352	36.396	40.440
50	4.124	6.186	8.250	8.250	10.310	12.370	16.500	20.620	24.743	28.866	32.990	37.114	41.238
51	4.203	6.305	8.410	8.410	10.510	12.610	16.810	21.020	25.220	29.423	33.626	37.829	42.032
52	4.283	6.425	8.570	8.570	10.710	12.850	17.130	21.420	25.698	29.981	34.264	38.547	42.830
53	4.363	6.544	8.730	8.730	10.910	13.090	17.450	21.810	26.177	30.539	34.902	39.265	43.627
54	4.442	6.660	8.880	8.880	11.110	13.330	17.770	22.210	26.650	31.100	35.538	39.980	44.420
55	4.522	6.783	9.040	9.040	11.310	13.570	18.090	22.610	27.132	31.654	36.176	40.698	45.220
56	4.602	6.903	9.200	9.200	11.500	13.810	18.410	23.010	27.611	32.212	36.814	41.416	46.018
57	4.681	7.022	9.360	9.360	11.700	14.040	18.730	23.410	28.088	32.769	37.450	42.131	46.812
58	4.761	7.142	9.520	9.520	11.900	14.280	19.040	23.810	28.566	33.327	38.088	42.849	47.610
59	4.841	7.261	9.680	9.680	12.100	14.520	19.360	24.200	29.045	33.885	38.726	43.567	48.408
60	4.920	7.380	9.840	9.840	12.300	14.760	19.680	24.600	29.520	34.440	39.360	44.280	49.200
64	5.239	7.859	10.478	10.478	13.098	15.720	20.956	26.195	31.434	36.673	41.192	47.151	52.390
65	5.319	7.976	10.673	10.673	13.296	15.960	21.270	26.593	31.911	37.230	42.548	47.867	53.185
68	5.558	8.336	11.115	11.115	13.894	16.670	22.230	27.788	33.345	38.903	44.460	50.018	55.575
70	5.717	8.580	11.430	11.430	14.290	17.150	22.870	28.580	34.300	40.020	45.730	51.451	57.167
72	5.876	8.810	11.750	11.750	14.690	17.630	23.500	29.380	35.256	41.132	47.008	52.884	58.760
76	6.195	9.292	12.389	12.389	15.486	18.580	24.780	30.973	37.167	43.362	49.556	55.751	61.945
80	6.513	9.770	13.030	13.030	16.280	19.540	26.050	32.570	39.080	45.590	52.100	58.617	65.130
84	6.832	10.250	13.660	13.660	17.080	20.490	27.330	34.160	40.989	47.821	54.652	61.484	68.315
90	7.309	10.964	14.618	14.618	18.273	21.930	29.240	36.550	43.850	51.163	58.472	65.781	73.090
96	7.787	11.680	15.570	15.570	19.470	23.360	30.563	38.930	46.721	54.507	62.294	70.081	77.867
112	9.060	13.590	18.120	18.120	22.650	27.180	35.655	45.301	54.362	63.422	72.482	81.542	90.603



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