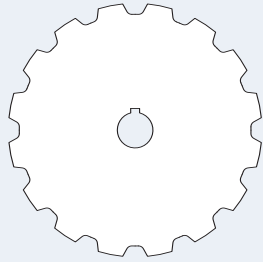


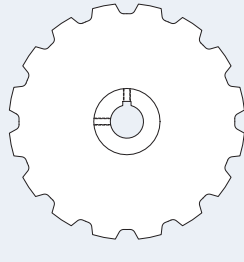
# Engineering Class Sprockets

Renold Jeffrey replaceable sprockets and traction wheels are specially designed for the realities of high-stress, heavy-duty service. A variety of standard and specialty types are available — built from steel-carved, flame-hardened cast iron, UHMW, and other materials for long service life. Contact Renold Jeffrey for more information.

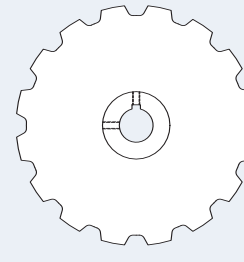
## Standard Sprockets



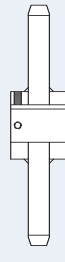
Type A Solid Sprocket



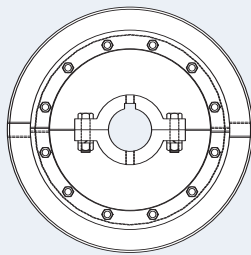
Type B Solid Sprocket



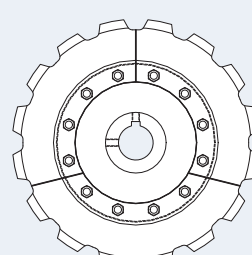
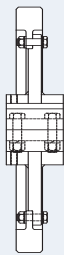
Type C Solid Sprocket



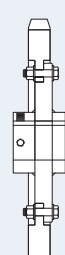
## Specialty Sprockets



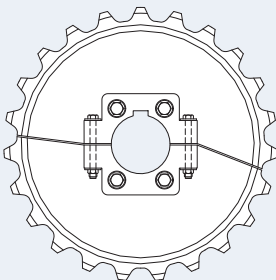
Segmented Rim Traction Wheel



Segmented Rim Sprocket

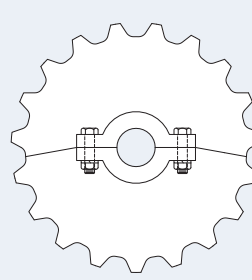
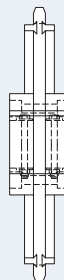


Tooth and rim sections on Segmented Rim Sprockets and Traction Wheels are easier to replace, reducing downtime and simplifying maintenance.



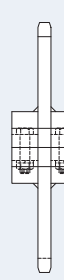
Chainsaver™ Sprocket

Chainsaver™ Sprockets maintain contact with sidebar edges, reducing wear caused by friction between the chain and sprocket teeth.



Hunting Tooth Sprocket

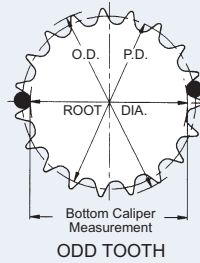
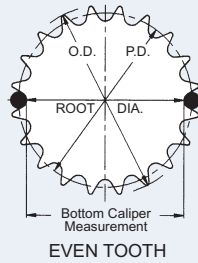
Renold Jeffrey's original Hunting Tooth Sprockets contact the chain joint every second revolution, doubling the sprocket life.



## Speed Ratios for Sprocket Tooth Combinations

	Driver Sprocket Teeth																	
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
9	1.00																	
10	1.11	1.00																
11	1.22	1.10	1.00															
12	1.33	1.20	1.09	1.00														
13	1.44	1.30	1.18	1.08	1.00													
14	1.56	1.40	1.27	1.17	1.08	1.00												
15	1.67	1.50	1.36	1.25	1.15	1.07	1.00											
16	1.78	1.60	1.45	1.33	1.23	1.14	1.07	1.00										
17	1.89	1.70	1.55	1.42	1.31	1.21	1.13	1.06	1.00									
18	2.00	1.80	1.64	1.50	1.38	1.29	1.20	1.13	1.06	1.00								
19	2.11	1.90	1.73	1.58	1.46	1.36	1.27	1.19	1.12	1.06	1.00							
20	2.22	2.00	1.82	1.67	1.54	1.43	1.33	1.25	1.18	1.11	1.05	1.00						
21	2.33	2.10	1.91	1.75	1.62	1.50	1.40	1.31	1.24	1.17	1.11	1.05	1.00					
22	2.44	2.20	2.00	1.83	1.69	1.57	1.47	1.38	1.29	1.22	1.16	1.10	1.05	1.00				
23	2.56	2.30	2.09	1.92	1.77	1.64	1.53	1.44	1.35	1.28	1.21	1.15	1.10	1.05	1.00			
24	2.67	2.40	2.18	2.00	1.85	1.71	1.60	1.50	1.41	1.33	1.26	1.20	1.14	1.09	1.04	1.00		
25	2.78	2.50	2.27	2.08	1.92	1.79	1.67	1.56	1.47	1.39	1.32	1.25	1.19	1.14	1.09	1.04	1.00	
26	2.89	2.60	2.36	2.17	2.00	1.86	1.73	1.63	1.53	1.44	1.37	1.30	1.24	1.18	1.13	1.08	1.04	1.00
28	3.11	2.80	2.55	2.33	2.15	2.00	1.87	1.75	1.65	1.56	1.47	1.40	1.33	1.27	1.22	1.17	1.12	1.08
30	3.33	3.00	2.73	2.50	2.31	2.14	2.00	1.88	1.76	1.67	1.58	1.50	1.43	1.36	1.30	1.25	1.20	1.15
32	3.56	3.20	2.91	2.67	2.46	2.29	2.13	2.00	1.88	1.78	1.68	1.60	1.52	1.45	1.39	1.33	1.28	1.23
34	3.78	3.40	3.09	2.83	2.62	2.43	2.27	2.13	2.00	1.89	1.79	1.70	1.62	1.55	1.48	1.42	1.36	1.31
35	3.89	3.50	3.18	2.92	2.69	2.50	2.33	2.19	2.06	1.94	1.84	1.75	1.67	1.59	1.52	1.46	1.40	1.35
36	4.00	3.60	3.27	3.00	2.77	2.57	2.40	2.25	2.12	2.00	1.89	1.80	1.71	1.64	1.57	1.50	1.44	1.38
38	4.22	3.80	3.45	3.17	2.92	2.71	2.53	2.38	2.24	2.11	2.00	1.90	1.81	1.73	1.65	1.58	1.52	1.46
40	4.44	4.00	3.64	3.33	3.08	2.86	2.67	2.50	2.35	2.22	2.11	2.00	1.90	1.82	1.74	1.67	1.60	1.54
42	4.67	4.20	3.82	3.50	3.23	3.00	2.80	2.63	2.47	2.33	2.21	2.10	2.00	1.91	1.83	1.75	1.68	1.62
44	4.89	4.40	4.00	3.67	3.38	3.14	2.93	2.75	2.59	2.44	2.32	2.20	2.10	2.00	1.91	1.83	1.76	1.69
45	5.00	4.50	4.09	3.75	3.46	3.21	3.00	2.81	2.65	2.50	2.37	2.25	2.14	2.05	1.96	1.88	1.80	1.73
48	5.33	4.80	4.36	4.00	3.69	3.43	3.20	3.00	2.82	2.67	2.53	2.40	2.29	2.18	2.09	2.00	1.92	1.85
60	6.67	6.00	5.45	5.00		4.29	4.00	3.75	3.53	3.33	3.16	3.00	2.86	2.73	2.61	2.50	2.40	2.31
70	7.78	7.00	6.36	5.83	5.38	5.00	4.67	4.38	4.12	3.89	3.68	3.50	3.33	3.18	3.04	2.92	2.80	2.69
72	8.00	7.20	6.55	6.00	5.54	5.14	4.80	4.50	4.24	4.00	3.79	3.60	3.43	3.27	3.13	3.00	2.88	2.77
76			6.91	6.33	5.85	5.43	5.07	4.75	4.47	4.22	4.00	3.80	3.62	3.45	3.30	3.17	3.04	2.92
80			7.27	6.67	6.15	5.71	5.33	5.00	4.71	4.44	4.21	4.00	3.81	3.64	3.48	3.33	3.20	3.08
84				7.00	6.46	6.00	5.60	5.25	4.94	4.67	4.42	4.20	4.00	3.82	3.65	3.50	3.36	3.23
95					7.31	6.79	6.33	5.94	5.59	5.28	5.00	4.75	4.52	4.32	4.13	3.96	3.80	3.65
96					7.38	6.86	6.40	6.00	5.65	5.33	5.05	4.80	4.57	4.36	4.17	4.00	3.84	3.69
102						7.29	6.80	6.38	6.00	5.67	5.37	5.10	4.86	4.64	4.43	4.25	4.08	3.92
112							7.47	7.00	6.59	6.22	5.89	5.60	5.33	5.09	4.87	4.67	4.48	4.31

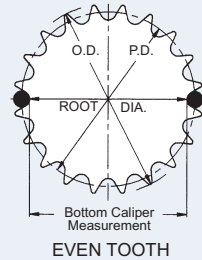
# 3/8" Pitch 35



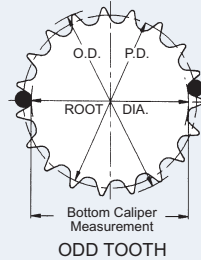
Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	1.096	1.255	0.896	50	5.972	6.185	5.772	91	10.864	11.083	10.664
10	1.214	1.379	1.014	51	6.092	6.305	5.892	92	10.984	11.202	10.784
11	1.331	1.502	1.131	52	6.211	6.424	6.011	93	11.103	11.322	10.903
12	1.449	1.625	1.249	53	6.330	6.544	6.130	94	11.223	11.441	11.023
13	1.567	1.746	1.367	54	6.449	6.664	6.249	95	11.342	11.561	11.142
14	1.685	1.868	1.485	55	6.569	6.783	6.369	96	11.461	11.680	11.261
15	1.804	1.989	1.604	56	6.688	6.902	6.488	97	11.581	11.799	11.381
16	1.922	2.110	1.722	57	6.807	7.022	6.607	98	11.700	11.919	11.500
17	2.041	2.231	1.841	58	6.927	7.141	6.727	99	11.819	12.038	11.619
18	2.160	2.352	1.960	59	7.046	7.261	6.846	100	11.939	12.158	11.739
19	2.278	2.472	2.078	60	7.165	7.380	6.965	101	12.058	12.277	11.858
20	2.397	2.593	2.197	61	7.285	7.500	7.085	102	12.177	12.397	11.977
21	2.516	2.713	2.316	62	7.404	7.619	7.204	103	12.297	12.516	12.097
22	2.635	2.833	2.435	63	7.523	7.739	7.323	104	12.416	12.635	12.216
23	2.754	2.953	2.554	64	7.643	7.858	7.443	105	12.535	12.755	12.335
24	2.873	3.073	2.673	65	7.762	7.978	7.562	106	12.655	12.874	12.455
25	2.992	3.193	2.792	66	7.881	8.097	7.681	107	12.774	12.994	12.574
26	3.111	3.313	2.911	67	8.000	8.217	7.800	108	12.893	13.113	12.693
27	3.230	3.433	3.030	68	8.120	8.336	7.920	109	13.013	13.232	12.813
28	3.349	3.553	3.149	69	8.239	8.456	8.039	110	13.132	13.352	12.932
29	3.468	3.673	3.268	70	8.358	8.575	8.158	111	13.251	13.471	13.051
30	3.588	3.793	3.388	71	8.478	8.694	8.278	112	13.371	13.591	13.171
31	3.707	3.913	3.507	72	8.597	8.814	8.397	113	13.490	13.710	13.290
32	3.826	4.032	3.626	73	8.716	8.933	8.516	114	13.609	13.829	13.409
33	3.945	4.152	3.745	74	8.836	9.053	8.636	115	13.729	13.949	13.529
34	4.064	4.272	3.864	75	8.955	9.172	8.755	116	13.848	14.068	13.648
35	4.183	4.392	3.983	76	9.074	9.292	8.874	117	13.968	14.187	13.768
36	4.303	4.511	4.103	77	9.194	9.411	8.994	118	14.087	14.307	13.887
37	4.422	4.631	4.222	78	9.313	9.531	9.113	119	14.206	14.426	14.006
38	4.541	4.751	4.341	79	9.432	9.650	9.232	120	14.326	14.546	14.126
39	4.660	4.870	4.460	80	9.552	9.769	9.352	121	14.445	14.665	14.245
40	4.780	4.990	4.580	81	9.671	9.889	9.471	122	14.564	14.784	14.364
41	4.899	5.109	4.699	82	9.790	10.008	9.590	123	14.684	14.904	14.484
42	5.018	5.229	4.818	83	9.910	10.128	9.710	124	14.803	15.023	14.603
43	5.137	5.349	4.937	84	10.029	10.247	9.829	125	14.922	15.143	14.722
44	5.257	5.468	5.057	85	10.148	10.367	9.948	126	15.042	15.262	14.842
45	5.376	5.588	5.176	86	10.268	10.486	10.068	127	15.161	15.381	14.961
46	5.495	5.707	5.295	87	10.387	10.605	10.187	128	15.280	15.501	15.080
47	5.614	5.827	5.414	88	10.506	10.725	10.306	129	15.400	15.620	15.200
48	5.734	5.946	5.534	89	10.626	10.844	10.426	130	15.519	15.740	15.319
49	5.853	6.066	5.653	90	10.745	10.964	10.545				

## Sprocket Data

## 40 1/2" Pitch



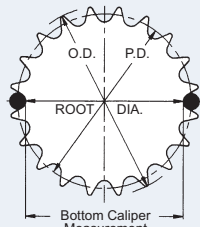
EVEN TOOTH



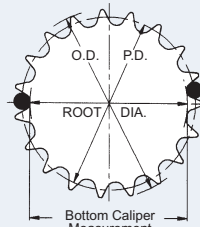
ODD TOOTH

Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	1.462	1.674	1.150	50	7.963	8.247	7.651	91	14.486	14.777	14.174
10	1.618	1.839	1.306	51	8.122	8.407	7.810	92	14.645	14.937	14.333
11	1.775	2.003	1.463	52	8.281	8.566	7.969	93	14.804	15.096	14.492
12	1.932	2.166	1.620	53	8.440	8.725	8.128	94	14.963	15.255	14.651
13	2.089	2.329	1.777	54	8.599	8.885	8.287	95	15.122	15.414	14.810
14	2.247	2.491	1.935	55	8.758	9.044	8.446	96	15.282	15.573	14.970
15	2.405	2.652	2.093	56	8.917	9.203	8.605	97	15.441	15.733	15.129
16	2.563	2.814	2.251	57	9.076	9.363	8.764	98	15.600	15.892	15.288
17	2.721	2.975	2.409	58	9.236	9.522	8.924	99	15.759	16.051	15.447
18	2.879	3.136	2.567	59	9.395	9.681	9.083	100	15.918	16.210	15.606
19	3.038	3.296	2.726	60	9.554	9.841	9.242	101	16.077	16.369	15.765
20	3.196	3.457	2.884	61	9.713	10.000	9.401	102	16.236	16.529	15.924
21	3.355	3.617	3.043	62	9.872	10.159	9.560	103	16.396	16.688	16.084
22	3.513	3.778	3.201	63	10.031	10.318	9.719	104	16.555	16.847	16.243
23	3.672	3.938	3.360	64	10.190	10.478	9.878	105	16.714	17.006	16.402
24	3.831	4.098	3.519	65	10.349	10.637	10.037	106	16.873	17.165	16.561
25	3.989	4.258	3.677	66	10.508	10.796	10.196	107	17.032	17.325	16.720
26	4.148	4.418	3.836	67	10.667	10.956	10.355	108	17.191	17.484	16.879
27	4.307	4.578	3.995	68	10.826	11.115	10.514	109	17.350	17.643	17.038
28	4.466	4.738	4.154	69	10.985	11.274	10.673	110	17.509	17.802	17.197
29	4.625	4.897	4.313	70	11.145	11.433	10.833	111	17.669	17.961	17.357
30	4.783	5.057	4.471	71	11.304	11.593	10.992	112	17.828	18.121	17.516
31	4.942	5.217	4.630	72	11.463	11.752	11.151	113	17.987	18.280	17.675
32	5.101	5.377	4.789	73	11.622	11.911	11.310	114	18.146	18.439	17.834
33	5.260	5.536	4.948	74	11.781	12.070	11.469	115	18.305	18.598	17.993
34	5.419	5.696	5.107	75	11.940	12.230	11.628	116	18.464	18.757	18.152
35	5.578	5.855	5.266	76	12.099	12.389	11.787	117	18.623	18.917	18.311
36	5.737	6.015	5.425	77	12.258	12.548	11.946	118	18.783	19.076	18.471
37	5.896	6.175	5.584	78	12.417	12.707	12.105	119	18.942	19.235	18.630
38	6.055	6.334	5.743	79	12.577	12.867	12.265	120	19.101	19.394	18.789
39	6.214	6.494	5.902	80	12.736	13.026	12.424	121	19.260	19.553	18.948
40	6.373	6.653	6.061	81	12.895	13.185	12.583	122	19.419	19.713	19.107
41	6.532	6.813	6.220	82	13.054	13.344	12.742	123	19.578	19.872	19.266
42	6.691	6.972	6.379	83	13.213	13.504	12.901	124	19.737	20.031	19.425
43	6.850	7.131	6.538	84	13.372	13.663	13.060	125	19.896	20.190	19.584
44	7.009	7.291	6.697	85	13.531	13.822	13.219	126	20.056	20.349	19.744
45	7.168	7.450	6.856	86	13.690	13.981	13.378	127	20.215	20.509	19.903
46	7.327	7.610	7.015	87	13.849	14.140	13.537	128	20.374	20.668	20.062
47	7.486	7.769	7.174	88	14.009	14.300	13.697	129	20.533	20.827	20.221
48	7.645	7.929	7.333	89	14.168	14.459	13.856	130	20.692	20.986	20.380
49	7.804	8.088	7.492	90	14.327	14.618	14.015				

# 1/2" Pitch 41



EVEN TOOTH

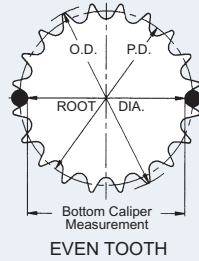


ODD TOOTH

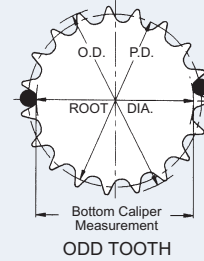
Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	1.462	1.674	1.156	50	7.963	8.247	7.657	91	14.486	14.777	14.180
10	1.618	1.839	1.312	51	8.122	8.407	7.816	92	14.645	14.937	14.339
11	1.775	2.003	1.469	52	8.281	8.566	7.975	93	14.804	15.096	14.498
12	1.932	2.166	1.626	53	8.440	8.725	8.134	94	14.963	15.255	14.657
13	2.089	2.329	1.783	54	8.599	8.885	8.293	95	15.122	15.414	14.816
14	2.247	2.491	1.941	55	8.758	9.044	8.452	96	15.282	15.573	14.976
15	2.405	2.652	2.099	56	8.917	9.203	8.611	97	15.441	15.733	15.135
16	2.563	2.814	2.257	57	9.076	9.363	8.770	98	15.600	15.892	15.294
17	2.721	2.975	2.415	58	9.236	9.522	8.930	99	15.759	16.051	15.453
18	2.879	3.136	2.573	59	9.395	9.681	9.089	100	15.918	16.210	15.612
19	3.038	3.296	2.732	60	9.554	9.841	9.248	101	16.077	16.369	15.771
20	3.196	3.457	2.890	61	9.713	10.000	9.407	102	16.236	16.529	15.930
21	3.355	3.617	3.049	62	9.872	10.159	9.566	103	16.396	16.688	16.090
22	3.513	3.778	3.207	63	10.031	10.318	9.725	104	16.555	16.847	16.249
23	3.672	3.938	3.366	64	10.190	10.478	9.884	105	16.714	17.006	16.408
24	3.831	4.098	3.525	65	10.349	10.637	10.043	106	16.873	17.165	16.567
25	3.989	4.258	3.683	66	10.508	10.796	10.202	107	17.032	17.325	16.726
26	4.148	4.418	3.842	67	10.667	10.956	10.361	108	17.191	17.484	16.885
27	4.307	4.578	4.001	68	10.826	11.115	10.520	109	17.350	17.643	17.044
28	4.466	4.738	4.160	69	10.985	11.274	10.679	110	17.509	17.802	17.203
29	4.625	4.897	4.319	70	11.145	11.433	10.839	111	17.669	17.961	17.363
30	4.783	5.057	4.477	71	11.304	11.593	10.998	112	17.828	18.121	17.522
31	4.942	5.217	4.636	72	11.463	11.752	11.157	113	17.987	18.280	17.681
32	5.101	5.377	4.795	73	11.622	11.911	11.316	114	18.146	18.439	17.840
33	5.260	5.536	4.954	74	11.781	12.070	11.475	115	18.305	18.598	17.999
34	5.419	5.696	5.113	75	11.940	12.230	11.634	116	18.464	18.757	18.158
35	5.578	5.855	5.272	76	12.099	12.389	11.793	117	18.623	18.917	18.317
36	5.737	6.015	5.431	77	12.258	12.548	11.952	118	18.783	19.076	18.477
37	5.896	6.175	5.590	78	12.417	12.707	12.111	119	18.942	19.235	18.636
38	6.055	6.334	5.749	79	12.577	12.867	12.271	120	19.101	19.394	18.795
39	6.214	6.494	5.908	80	12.736	13.026	12.430	121	19.260	19.553	18.954
40	6.373	6.653	6.067	81	12.895	13.185	12.589	122	19.419	19.713	19.113
41	6.532	6.813	6.226	82	13.054	13.344	12.748	123	19.578	19.872	19.272
42	6.691	6.972	6.385	83	13.213	13.504	12.907	124	19.737	20.031	19.431
43	6.850	7.131	6.544	84	13.372	13.663	13.066	125	19.896	20.190	19.590
44	7.009	7.291	6.703	85	13.531	13.822	13.225	126	20.056	20.349	19.750
45	7.168	7.450	6.862	86	13.690	13.981	13.384	127	20.215	20.509	19.909
46	7.327	7.610	7.021	87	13.849	14.140	13.543	128	20.374	20.668	20.068
47	7.486	7.769	7.180	88	14.009	14.300	13.703	129	20.533	20.827	20.227
48	7.645	7.929	7.339	89	14.168	14.459	13.862	130	20.692	20.986	20.386
49	7.804	8.088	7.498	90	14.327	14.618	14.021				

## Sprocket Data

## 50 5/8" Pitch



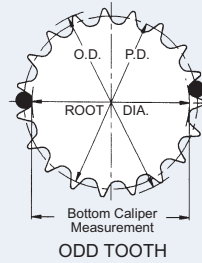
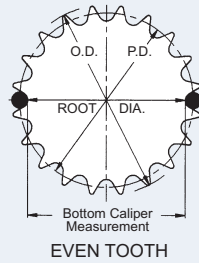
EVEN TOOTH



ODD TOOTH

Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	1.827	2.092	1.427	50	9.954	10.309	9.554	91	18.107	18.472	17.707
10	2.023	2.299	1.623	51	10.153	10.508	9.753	92	18.306	18.671	17.906
11	2.218	2.504	1.818	52	10.351	10.707	9.951	93	18.505	18.870	18.105
12	2.415	2.708	2.015	53	10.550	10.907	10.150	94	18.704	19.069	18.304
13	2.612	2.911	2.212	54	10.749	11.106	10.349	95	18.903	19.268	18.503
14	2.809	3.113	2.409	55	10.948	11.305	10.548	96	19.102	19.467	18.702
15	3.006	3.315	2.606	56	11.147	11.504	10.747	97	19.301	19.666	18.901
16	3.204	3.517	2.804	57	11.346	11.703	10.946	98	19.500	19.865	19.100
17	3.401	3.718	3.001	58	11.544	11.902	11.144	99	19.699	20.064	19.299
18	3.599	3.920	3.199	59	11.743	12.102	11.343	100	19.898	20.263	19.498
19	3.797	4.120	3.397	60	11.942	12.301	11.542	101	20.097	20.462	19.697
20	3.995	4.321	3.595	61	12.141	12.500	11.741	102	20.295	20.661	19.895
21	4.193	4.522	3.793	62	12.340	12.699	11.940	103	20.494	20.860	20.094
22	4.392	4.722	3.992	63	12.539	12.898	12.139	104	20.693	21.059	20.293
23	4.590	4.922	4.190	64	12.738	13.097	12.338	105	20.892	21.258	20.492
24	4.788	5.122	4.388	65	12.936	13.296	12.536	106	21.091	21.457	20.691
25	4.987	5.322	4.587	66	13.135	13.495	12.735	107	21.290	21.656	20.890
26	5.185	5.522	4.785	67	13.334	13.694	12.934	108	21.489	21.855	21.089
27	5.384	5.722	4.984	68	13.533	13.894	13.133	109	21.688	22.054	21.288
28	5.582	5.922	5.182	69	13.732	14.093	13.332	110	21.887	22.253	21.487
29	5.781	6.122	5.381	70	13.931	14.292	13.531	111	22.086	22.452	21.686
30	5.979	6.321	5.579	71	14.130	14.491	13.730	112	22.285	22.651	21.885
31	6.178	6.521	5.778	72	14.328	14.690	13.928	113	22.484	22.850	22.084
32	6.376	6.721	5.976	73	14.527	14.889	14.127	114	22.682	23.049	22.282
33	6.575	6.920	6.175	74	14.726	15.088	14.326	115	22.881	23.248	22.481
34	6.774	7.120	6.374	75	14.925	15.287	14.525	116	23.080	23.447	22.680
35	6.972	7.319	6.572	76	15.124	15.486	14.724	117	23.279	23.646	22.879
36	7.171	7.519	6.771	77	15.323	15.685	14.923	118	23.478	23.845	23.078
37	7.370	7.718	6.970	78	15.522	15.884	15.122	119	23.677	24.044	23.277
38	7.568	7.918	7.168	79	15.721	16.083	15.321	120	23.876	24.243	23.476
39	7.767	8.117	7.367	80	15.920	16.282	15.520	121	24.075	24.442	23.675
40	7.966	8.316	7.566	81	16.118	16.481	15.718	122	24.274	24.641	23.874
41	8.165	8.516	7.765	82	16.317	16.680	15.917	123	24.473	24.840	24.073
42	8.363	8.715	7.963	83	16.516	16.879	16.116	124	24.672	25.039	24.272
43	8.562	8.914	8.162	84	16.715	17.078	16.315	125	24.871	25.238	24.471
44	8.761	9.114	8.361	85	16.914	17.278	16.514	126	25.070	25.437	24.670
45	8.960	9.313	8.560	86	17.113	17.477	16.713	127	25.268	25.636	24.868
46	9.159	9.512	8.759	87	17.312	17.676	16.912	128	25.467	25.835	25.067
47	9.357	9.711	8.957	88	17.511	17.875	17.111	129	25.666	26.034	25.266
48	9.556	9.911	9.156	89	17.710	18.074	17.310	130	20.692	20.986	20.386
49	9.755	10.110	9.355	90	17.909	18.273	17.509				

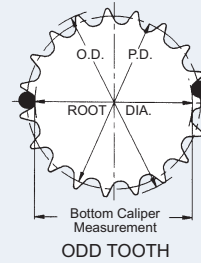
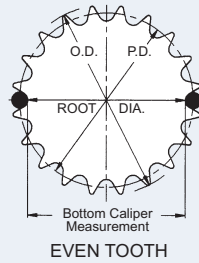
# 3/4" Pitch 60



Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	2.193	2.511	1.724	50	11.944	12.371	11.475	91	21.729	22.166	21.260
10	2.427	2.758	1.958	51	12.183	12.610	11.714	92	21.968	22.405	21.499
11	2.662	3.004	2.193	52	12.422	12.849	11.953	93	22.206	22.644	21.737
12	2.898	3.249	2.429	53	12.660	13.088	12.191	94	22.445	22.882	21.976
13	3.134	3.493	2.665	54	12.899	13.327	12.430	95	22.684	23.121	22.215
14	3.370	3.736	2.901	55	13.137	13.566	12.668	96	22.922	23.360	22.453
15	3.607	3.978	3.138	56	13.376	13.805	12.907	97	23.161	23.599	22.692
16	3.844	4.221	3.375	57	13.615	14.044	13.146	98	23.400	23.838	22.931
17	4.082	4.462	3.613	58	13.853	14.283	13.384	99	23.638	24.077	23.169
18	4.319	4.703	3.850	59	14.092	14.522	13.623	100	23.877	24.315	23.408
19	4.557	4.945	4.088	60	14.330	14.761	13.861	101	24.116	24.554	23.647
20	4.794	5.185	4.325	61	14.569	15.000	14.100	102	24.355	24.793	23.886
21	5.032	5.426	4.563	62	14.808	15.239	14.339	103	24.593	25.032	24.124
22	5.270	5.666	4.801	63	15.046	15.478	14.577	104	24.832	25.271	24.363
23	5.508	5.907	5.039	64	15.285	15.717	14.816	105	25.071	25.509	24.602
24	5.746	6.147	5.277	65	15.524	15.956	15.055	106	25.309	25.748	24.840
25	5.984	6.387	5.515	66	15.762	16.194	15.293	107	25.548	25.987	25.079
26	6.222	6.627	5.753	67	16.001	16.433	15.532	108	25.787	26.226	25.318
27	6.460	6.867	5.991	68	16.240	16.672	15.771	109	26.025	26.465	25.556
28	6.699	7.106	6.230	69	16.478	16.911	16.009	110	26.264	26.703	25.795
29	6.937	7.346	6.468	70	16.717	17.150	16.248	111	26.503	26.942	26.034
30	7.175	7.586	6.706	71	16.956	17.389	16.487	112	26.742	27.181	26.273
31	7.413	7.825	6.944	72	17.194	17.628	16.725	113	26.980	27.420	26.511
32	7.652	8.065	7.183	73	17.433	17.867	16.964	114	27.219	27.659	26.750
33	7.890	8.304	7.421	74	17.672	18.106	17.203	115	27.458	27.897	26.989
34	8.128	8.544	7.659	75	17.910	18.344	17.441	116	27.696	28.136	27.227
35	8.367	8.783	7.898	76	18.149	18.583	17.680	117	27.935	28.375	27.466
36	8.605	9.023	8.136	77	18.387	18.822	17.918	118	28.174	28.614	27.705
37	8.844	9.262	8.375	78	18.626	19.061	18.157	119	28.412	28.853	27.943
38	9.082	9.501	8.613	79	18.865	19.300	18.396	120	28.651	29.091	28.182
39	9.321	9.740	8.852	80	19.104	19.539	18.635	121	28.890	29.330	28.421
40	9.559	9.980	9.090	81	19.342	19.778	18.873	122	29.129	29.569	28.660
41	9.798	10.219	9.329	82	19.581	20.016	19.112	123	29.367	29.808	28.898
42	10.036	10.458	9.567	83	19.820	20.255	19.351	124	29.606	30.046	29.137
43	10.275	10.697	9.806	84	20.058	20.494	19.589	125	29.845	30.285	29.376
44	10.513	10.936	10.044	85	20.297	20.733	19.828	126	30.083	30.524	29.614
45	10.752	11.175	10.283	86	20.536	20.972	20.067	127	30.322	30.763	29.853
46	10.990	11.415	10.521	87	20.774	21.211	20.305	128	30.561	31.002	30.092
47	11.229	11.654	10.760	88	21.013	21.450	20.544	129	30.800	31.240	30.331
48	11.467	11.893	10.998	89	21.252	21.688	20.783	130	31.038	31.479	30.569
49	11.706	12.132	11.237	90	21.490	21.927	21.021				

## Sprocket Data

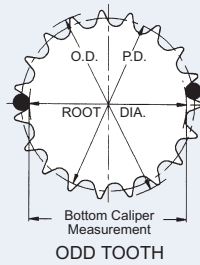
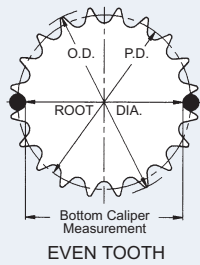
## 80 1" Pitch



Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	2.924	3.347	2.299	50	15.926	16.495	15.301	91	28.972	29.555	28.347
10	3.236	3.678	2.611	51	16.244	16.813	15.619	92	29.290	29.873	28.665
11	3.549	4.006	2.924	52	16.562	17.132	15.937	93	29.608	30.192	28.983
12	3.864	4.332	3.239	53	16.880	17.451	16.255	94	29.927	30.510	29.302
13	4.179	4.657	3.554	54	17.198	17.769	16.573	95	30.245	30.828	29.620
14	4.494	4.981	3.869	55	17.517	18.088	16.892	96	30.563	31.147	29.938
15	4.810	5.305	4.185	56	17.835	18.407	17.210	97	30.881	31.465	30.256
16	5.126	5.627	4.501	57	18.153	18.725	17.528	98	31.200	31.784	30.575
17	5.442	5.950	4.817	58	18.471	19.044	17.846	99	31.518	32.102	30.893
18	5.759	6.271	5.134	59	18.789	19.363	18.164	100	31.836	32.421	31.211
19	6.076	6.593	5.451	60	19.107	19.681	18.482	101	32.154	32.739	31.529
20	6.392	6.914	5.767	61	19.425	20.000	18.800	102	32.473	33.057	31.848
21	6.710	7.235	6.085	62	19.744	20.318	19.119	103	32.791	33.376	32.166
22	7.027	7.555	6.402	63	20.062	20.637	19.437	104	33.109	33.694	32.484
23	7.344	7.876	6.719	64	20.380	20.955	19.755	105	33.428	34.013	32.803
24	7.661	8.196	7.036	65	20.698	21.274	20.073	106	33.746	34.331	33.121
25	7.979	8.516	7.354	66	21.016	21.593	20.391	107	34.064	34.649	33.439
26	8.296	8.836	7.671	67	21.335	21.911	20.710	108	34.382	34.968	33.757
27	8.614	9.156	7.989	68	21.653	22.230	21.028	109	34.701	35.286	34.076
28	8.931	9.475	8.306	69	21.971	22.548	21.346	110	35.019	35.605	34.394
29	9.249	9.795	8.624	70	22.289	22.867	21.664	111	35.337	35.923	34.712
30	9.567	10.114	8.942	71	22.607	23.185	21.982	112	35.655	36.241	35.030
31	9.885	10.434	9.260	72	22.926	23.504	22.301	113	35.974	36.560	35.349
32	10.202	10.753	9.577	73	23.244	23.822	22.619	114	36.292	36.878	35.667
33	10.520	11.072	9.895	74	23.562	24.141	22.937	115	36.610	37.197	35.985
34	10.838	11.392	10.213	75	23.880	24.459	23.255	116	36.928	37.515	36.303
35	11.156	11.711	10.531	76	24.198	24.778	23.573	117	37.247	37.833	36.622
36	11.474	12.030	10.849	77	24.517	25.096	23.892	118	37.565	38.152	36.940
37	11.792	12.349	11.167	78	24.835	25.415	24.210	119	37.883	38.470	37.258
38	12.110	12.668	11.485	79	25.153	25.733	24.528	120	38.202	38.788	37.577
39	12.428	12.987	11.803	80	25.471	26.052	24.846	121	38.520	39.107	37.895
40	12.745	13.306	12.120	81	25.790	26.370	25.165	122	38.838	39.425	38.213
41	13.063	13.625	12.438	82	26.108	26.689	25.483	123	39.156	39.744	38.531
42	13.381	13.944	12.756	83	26.426	27.007	25.801	124	39.475	40.062	38.850
43	13.700	14.263	13.075	84	26.744	27.326	26.119	125	39.793	40.380	39.168
44	14.018	14.582	13.393	85	27.063	27.644	26.438	126	40.111	40.699	39.486
45	14.336	14.901	13.711	86	27.381	27.962	26.756	127	40.429	41.017	39.804
46	14.654	15.219	14.029	87	27.699	28.281	27.074	128	40.748	41.335	40.123
47	14.972	15.538	14.347	88	28.017	28.599	27.392	129	41.066	41.654	40.441
48	15.290	15.857	14.665	89	28.335	28.918	27.710	130	41.384	41.972	40.759
49	15.608	16.176	14.983	90	28.654	29.236	28.029				



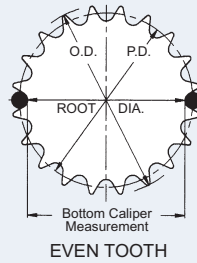
# 1" Pitch 100



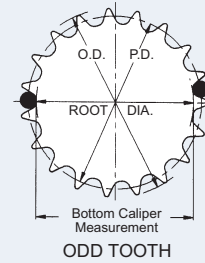
Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	3.655	4.184	2.905	50	19.907	20.618	19.157	91	36.215	36.943	35.465
10	4.045	4.597	3.295	51	20.305	21.017	19.555	92	36.613	37.341	35.863
11	4.437	5.007	3.687	52	20.703	21.415	19.953	93	37.011	37.739	36.261
12	4.830	5.415	4.080	53	21.100	21.813	20.350	94	37.408	38.137	36.658
13	5.223	5.821	4.473	54	21.498	22.212	20.748	95	37.806	38.536	37.056
14	5.617	6.227	4.867	55	21.896	22.610	21.146	96	38.204	38.934	37.454
15	6.012	6.631	5.262	56	22.293	23.008	21.543	97	38.602	39.332	37.852
16	6.407	7.034	5.657	57	22.691	23.407	21.941	98	39.000	39.730	38.250
17	6.803	7.437	6.053	58	23.089	23.805	22.339	99	39.397	40.128	38.647
18	7.198	7.839	6.448	59	23.486	24.203	22.736	100	39.795	40.526	39.045
19	7.594	8.241	6.844	60	23.884	24.601	23.134	101	40.193	40.924	39.443
20	7.991	8.642	7.241	61	24.282	25.000	23.532	102	40.591	41.322	39.841
21	8.387	9.043	7.637	62	24.680	25.398	23.930	103	40.989	41.720	40.239
22	8.783	9.444	8.033	63	25.077	25.796	24.327	104	41.387	42.118	40.637
23	9.180	9.844	8.430	64	25.475	26.194	24.725	105	41.784	42.516	41.034
24	9.577	10.245	8.827	65	25.873	26.593	25.123	106	42.182	42.914	41.432
25	9.973	10.645	9.223	66	26.270	26.991	25.520	107	42.580	43.312	41.830
26	10.370	11.045	9.620	67	26.668	27.389	25.918	108	42.978	43.710	42.228
27	10.767	11.444	10.017	68	27.066	27.787	26.316	109	43.376	44.108	42.626
28	11.164	11.844	10.414	69	27.464	28.185	26.714	110	43.774	44.506	43.024
29	11.561	12.244	10.811	70	27.861	28.583	27.111	111	44.171	44.904	43.421
30	11.958	12.643	11.208	71	28.259	28.982	27.509	112	44.569	45.302	43.819
31	12.356	13.042	11.606	72	28.657	29.380	27.907	113	44.967	45.700	44.217
32	12.753	13.441	12.003	73	29.055	29.778	28.305	114	45.365	46.098	44.615
33	13.150	13.841	12.400	74	29.453	30.176	28.703	115	45.763	46.496	45.013
34	13.547	14.240	12.797	75	29.850	30.574	29.100	116	46.161	46.894	45.411
35	13.945	14.639	13.195	76	30.248	30.972	29.498	117	46.558	47.292	45.808
36	14.342	15.038	13.592	77	30.646	31.370	29.896	118	46.956	47.690	46.206
37	14.740	15.436	13.990	78	31.044	31.768	30.294	119	47.354	48.088	46.604
38	15.137	15.835	14.387	79	31.441	32.167	30.691	120	47.752	48.486	47.002
39	15.534	16.234	14.784	80	31.839	32.565	31.089	121	48.150	48.884	47.400
40	15.932	16.633	15.182	81	32.237	32.963	31.487	122	48.548	49.282	47.798
41	16.329	17.031	15.579	82	32.635	33.361	31.885	123	48.945	49.680	48.195
42	16.727	17.430	15.977	83	33.033	33.759	32.283	124	49.343	50.077	48.593
43	17.124	17.829	16.374	84	33.430	34.157	32.680	125	49.741	50.475	48.991
44	17.522	18.227	16.772	85	33.828	34.555	33.078	126	50.139	50.873	49.389
45	17.919	18.626	17.169	86	34.226	34.953	33.476	127	50.537	51.271	49.787
46	18.317	19.024	17.567	87	34.624	35.351	33.874	128	50.935	51.669	50.185
47	18.715	19.423	17.965	88	35.022	35.749	34.272	129	51.333	52.067	50.583
48	19.112	19.821	18.362	89	35.419	36.147	34.669	130	51.730	52.465	50.980
49	19.510	20.220	18.760	90	35.817	36.545	35.067				

## Sprocket Data

## 120 1-1/2" Pitch



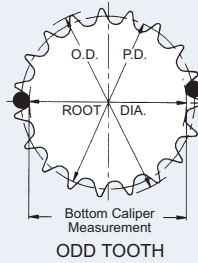
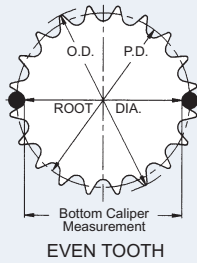
EVEN TOOTH



ODD TOOTH

Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	4.386	5.021	3.511	50	23.889	24.742	23.014	91	43.458	44.332	42.583
10	4.854	5.517	3.979	51	24.366	25.220	23.491	92	43.935	44.810	43.060
11	5.324	6.009	4.449	52	24.843	25.698	23.968	93	44.413	45.287	43.538
12	5.796	6.498	4.921	53	25.320	26.176	24.445	94	44.890	45.765	44.015
13	6.268	6.986	5.393	54	25.798	26.654	24.923	95	45.367	46.243	44.492
14	6.741	7.472	5.866	55	26.275	27.132	25.400	96	45.845	46.720	44.970
15	7.215	7.957	6.340	56	26.752	27.610	25.877	97	46.322	47.198	45.447
16	7.689	8.441	6.814	57	27.229	28.088	26.354	98	46.800	47.676	45.925
17	8.163	8.924	7.288	58	27.707	28.566	26.832	99	47.277	48.153	46.402
18	8.638	9.407	7.763	59	28.184	29.044	27.309	100	47.754	48.631	46.879
19	9.113	9.889	8.238	60	28.661	29.522	27.786	101	48.232	49.108	47.357
20	9.589	10.371	8.714	61	29.138	30.000	28.263	102	48.709	49.586	47.834
21	10.064	10.852	9.189	62	29.615	30.477	28.740	103	49.187	50.064	48.312
22	10.540	11.333	9.665	63	30.093	30.955	29.218	104	49.664	50.541	48.789
23	11.016	11.813	10.141	64	30.570	31.433	29.695	105	50.141	51.019	49.266
24	11.492	12.294	10.617	65	31.047	31.911	30.172	106	50.619	51.496	49.744
25	11.968	12.774	11.093	66	31.525	32.389	30.650	107	51.096	51.974	50.221
26	12.444	13.254	11.569	67	32.002	32.867	31.127	108	51.573	52.452	50.698
27	12.921	13.733	12.046	68	32.479	33.345	31.604	109	52.051	52.929	51.176
28	13.397	14.213	12.522	69	32.956	33.822	32.081	110	52.528	53.407	51.653
29	13.874	14.692	12.999	70	33.434	34.300	32.559	111	53.006	53.884	52.131
30	14.350	15.172	13.475	71	33.911	34.778	33.036	112	53.483	54.362	52.608
31	14.827	15.651	13.952	72	34.388	35.256	33.513	113	53.960	54.840	53.085
32	15.303	16.130	14.428	73	34.866	35.733	33.991	114	54.438	55.317	53.563
33	15.780	16.609	14.905	74	35.343	36.211	34.468	115	54.915	55.795	54.040
34	16.257	17.088	15.382	75	35.820	36.689	34.945	116	55.393	56.272	54.518
35	16.734	17.566	15.859	76	36.298	37.167	35.423	117	55.870	56.750	54.995
36	17.211	18.045	16.336	77	36.775	37.644	35.900	118	56.348	57.228	55.473
37	17.687	18.524	16.812	78	37.252	38.122	36.377	119	56.825	57.705	55.950
38	18.164	19.002	17.289	79	37.730	38.600	36.855	120	57.302	58.183	56.427
39	18.641	19.481	17.766	80	38.207	39.078	37.332	121	57.780	58.660	56.905
40	19.118	19.959	18.243	81	38.684	39.555	37.809	122	58.257	59.138	57.382
41	19.595	20.438	18.720	82	39.162	40.033	38.287	123	58.735	59.615	57.860
42	20.072	20.916	19.197	83	39.639	40.511	38.764	124	59.212	60.093	58.337
43	20.549	21.394	19.674	84	40.116	40.988	39.241	125	59.689	60.571	58.814
44	21.026	21.873	20.151	85	40.594	41.466	39.719	126	60.167	61.048	59.292
45	21.503	22.351	20.628	86	41.071	41.944	40.196	127	60.644	61.526	59.769
46	21.980	22.829	21.105	87	41.548	42.421	40.673	128	61.122	62.003	60.247
47	22.458	23.307	21.583	88	42.026	42.899	41.151	129	61.599	62.481	60.724
48	22.935	23.786	22.060	89	42.503	43.377	41.628	130	62.076	62.958	61.201
49	23.412	24.264	22.537	90	42.981	43.854	42.106				

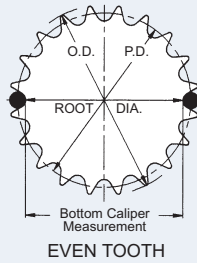
# 1-3/4" Pitch 140



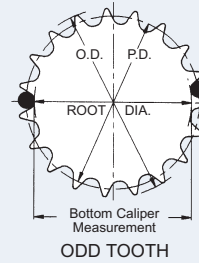
Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	6.579	7.532	5.173	50	27.870	28.865	26.870	91	50.701	51.721	49.701
10	7.281	8.275	5.875	51	28.427	29.423	27.427	92	51.258	52.278	50.258
11	7.986	9.013	6.580	52	28.984	29.981	27.984	93	51.815	52.835	50.815
12	8.693	9.747	7.287	53	29.541	30.539	28.541	94	52.372	53.392	51.372
13	9.402	10.479	7.996	54	30.097	31.096	29.097	95	52.929	53.950	51.929
14	10.111	11.208	8.705	55	30.654	31.654	29.654	96	53.486	54.507	52.486
15	10.822	11.935	9.416	56	31.211	32.212	30.211	97	54.043	55.064	53.043
16	11.533	12.662	10.127	57	31.767	32.769	30.767	98	54.599	55.621	53.599
17	12.245	13.386	10.839	58	32.324	33.327	31.324	99	55.156	56.179	54.156
18	12.957	14.110	11.551	59	32.881	33.884	31.881	100	55.713	56.736	54.713
19	13.670	14.834	12.264	60	33.438	34.442	32.438	101	56.270	57.293	55.270
20	14.383	15.556	12.977	61	33.995	35.000	32.995	102	56.827	57.850	55.827
21	15.096	16.278	13.690	62	34.551	35.557	33.551	103	57.384	58.408	56.384
22	15.810	16.999	14.404	63	35.108	36.115	34.108	104	57.941	58.965	56.941
23	16.524	17.720	15.118	64	35.665	36.672	34.665	105	58.498	59.522	57.498
24	17.238	18.440	15.832	65	36.222	37.230	35.222	106	59.055	60.079	58.055
25	17.952	19.161	16.546	66	36.779	37.787	35.779	107	59.612	60.636	58.612
26	18.667	19.880	17.261	67	37.336	38.344	36.336	108	60.169	61.194	59.169
27	19.381	20.600	17.975	68	37.892	38.902	36.892	109	60.726	61.751	59.726
28	20.096	21.319	18.690	69	38.449	39.459	37.449	110	61.283	62.308	60.283
29	20.810	22.038	19.404	70	39.006	40.017	38.006	111	61.840	62.865	60.840
30	21.525	22.757	20.119	71	39.563	40.574	38.563	112	62.397	63.422	61.397
31	22.240	23.476	20.834	72	40.120	41.132	39.120	113	62.954	63.980	61.954
32	22.955	24.195	21.549	73	40.677	41.689	39.677	114	63.511	64.537	62.511
33	23.670	24.913	22.264	74	41.234	42.246	40.234	115	64.068	65.094	63.068
34	24.385	25.631	22.979	75	41.790	42.804	40.790	116	64.625	65.651	63.625
35	25.101	26.350	23.695	76	42.347	43.361	41.347	117	65.182	66.208	64.182
36	25.816	27.068	24.410	77	42.904	43.918	41.904	118	65.739	66.765	64.739
37	26.531	27.786	25.125	78	43.461	44.476	42.461	119	66.296	67.323	65.296
38	27.247	28.503	25.841	79	44.018	45.033	43.018	120	66.853	67.880	65.853
39	27.962	29.221	26.556	80	44.575	45.590	43.575	121	67.410	68.437	66.410
40	28.677	29.939	27.271	81	45.132	46.148	44.132	122	67.967	68.994	66.967
41	29.393	30.657	27.987	82	45.689	46.705	44.689	123	68.524	69.551	67.524
42	30.108	31.374	28.702	83	46.246	47.262	45.246	124	69.081	70.108	68.081
43	30.824	32.092	29.418	84	46.802	47.820	45.802	125	69.638	70.666	68.638
44	31.539	32.809	30.133	85	47.359	48.377	46.359	126	70.195	71.223	69.195
45	32.255	33.526	30.849	86	47.916	48.934	46.916	127	70.752	71.780	69.752
46	32.971	34.244	31.565	87	48.473	49.492	47.473	128	71.309	72.337	70.309
47	33.686	34.961	32.280	88	49.030	50.049	48.030	129	71.866	72.894	70.866
48	34.402	35.678	32.996	89	49.587	50.606	48.587	130	72.423	73.451	71.423
49	35.118	36.396	33.712	90	50.144	51.163	49.144				

## Sprocket Data

## 160 2" Pitch



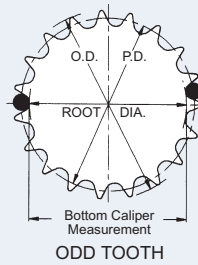
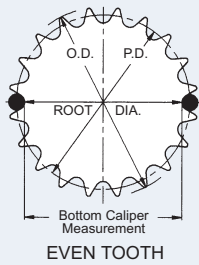
EVEN TOOTH



ODD TOOTH

Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	5.848	6.695	4.723	50	31.852	32.989	30.727	91	57.944	59.109	56.819
10	6.472	7.355	5.347	51	32.488	33.627	31.363	92	58.580	59.746	57.455
11	7.099	8.011	5.974	52	33.124	34.264	31.999	93	59.217	60.383	58.092
12	7.727	8.664	6.602	53	33.761	34.901	32.636	94	59.853	61.020	58.728
13	8.357	9.314	7.232	54	34.397	35.539	33.272	95	60.490	61.657	59.365
14	8.988	9.963	7.863	55	35.033	36.176	33.908	96	61.126	62.294	60.001
15	9.619	10.609	8.494	56	35.669	36.813	34.544	97	61.763	62.931	60.638
16	10.252	11.255	9.127	57	36.306	37.451	35.181	98	62.399	63.567	61.274
17	10.884	11.899	9.759	58	36.942	38.088	35.817	99	63.036	64.204	61.911
18	11.518	12.543	10.393	59	37.578	38.725	36.453	100	63.672	64.841	62.547
19	12.151	13.185	11.026	60	38.215	39.362	37.090	101	64.309	65.478	63.184
20	12.785	13.828	11.660	61	38.851	39.999	37.726	102	64.945	66.115	63.820
21	13.419	14.469	12.294	62	39.487	40.637	38.362	103	65.582	66.752	64.457
22	14.053	15.110	12.928	63	40.124	41.274	38.999	104	66.219	67.388	65.094
23	14.688	15.751	13.563	64	40.760	41.911	39.635	105	66.855	68.025	65.730
24	15.323	16.392	14.198	65	41.396	42.548	40.271	106	67.492	68.662	66.367
25	15.957	17.032	14.832	66	42.033	43.185	40.908	107	68.128	69.299	67.003
26	16.592	17.671	15.467	67	42.669	43.822	41.544	108	68.765	69.936	67.640
27	17.228	18.311	16.103	68	43.306	44.459	42.181	109	69.401	70.572	68.276
28	17.863	18.950	16.738	69	43.942	45.096	42.817	110	70.038	71.209	68.913
29	18.498	19.590	17.373	70	44.578	45.733	43.453	111	70.674	71.846	69.549
30	19.134	20.229	18.009	71	45.215	46.371	44.090	112	71.311	72.483	70.186
31	19.769	20.868	18.644	72	45.851	47.008	44.726	113	71.947	73.119	70.822
32	20.405	21.506	19.280	73	46.488	47.645	45.363	114	72.584	73.756	71.459
33	21.040	22.145	19.915	74	47.124	48.282	45.999	115	73.220	74.393	72.095
34	21.676	22.783	20.551	75	47.760	48.919	46.635	116	73.857	75.030	72.732
35	22.312	23.422	21.187	76	48.397	49.556	47.272	117	74.493	75.667	73.368
36	22.947	24.060	21.822	77	49.033	50.193	47.908	118	75.130	76.303	74.005
37	23.583	24.698	22.458	78	49.670	50.829	48.545	119	75.767	76.940	74.642
38	24.219	25.336	23.094	79	50.306	51.466	49.181	120	76.403	77.577	75.278
39	24.855	25.974	23.730	80	50.943	52.103	49.818	121	77.040	78.214	75.915
40	25.491	26.612	24.366	81	51.579	52.740	50.454	122	77.676	78.850	76.551
41	26.127	27.250	25.002	82	52.216	53.377	51.091	123	78.313	79.487	77.188
42	26.763	27.888	25.638	83	52.852	54.014	51.727	124	78.949	80.124	77.824
43	27.399	28.526	26.274	84	53.489	54.651	52.364	125	79.586	80.761	78.461
44	28.035	29.164	26.910	85	54.125	55.288	53.000	126	80.222	81.397	79.097
45	28.671	29.801	27.546	86	54.761	55.925	53.636	127	80.859	82.034	79.734
46	29.307	30.439	28.182	87	55.398	56.562	54.273	128	81.496	82.671	80.371
47	29.943	31.077	28.818	88	56.034	57.199	54.909	129	82.132	83.308	81.007
48	30.580	31.714	29.455	89	56.671	57.836	55.546	130	82.769	83.944	81.644
49	31.216	32.352	30.091	90	57.307	58.473	56.182				

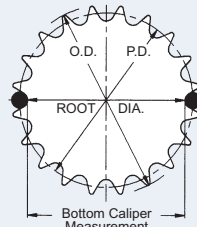
# 2-1/4" Pitch 180



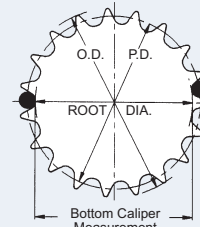
Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	6.579	7.532	5.173	50	35.833	37.113	34.427	91	65.187	66.498	63.781
10	7.281	8.275	5.875	51	36.549	37.830	35.143	92	65.903	67.215	64.497
11	7.986	9.013	6.580	52	37.265	38.547	35.859	93	66.619	67.931	65.213
12	8.693	9.747	7.287	53	37.981	39.264	36.575	94	67.335	68.647	65.929
13	9.402	10.479	7.996	54	38.696	39.981	37.290	95	68.051	69.364	66.645
14	10.111	11.208	8.705	55	39.412	40.698	38.006	96	68.767	70.080	67.361
15	10.822	11.935	9.416	56	40.128	41.415	38.722	97	69.483	70.797	68.077
16	11.533	12.662	10.127	57	40.844	42.132	39.438	98	70.199	71.513	68.793
17	12.245	13.386	10.839	58	41.560	42.849	40.154	99	70.915	72.230	69.509
18	12.957	14.110	11.551	59	42.276	43.566	40.870	100	71.632	72.946	70.226
19	13.670	14.834	12.264	60	42.991	44.283	41.585	101	72.348	73.663	70.942
20	14.383	15.556	12.977	61	43.707	44.999	42.301	102	73.064	74.379	71.658
21	15.096	16.278	13.690	62	44.423	45.716	43.017	103	73.780	75.095	72.374
22	15.810	16.999	14.404	63	45.139	46.433	43.733	104	74.496	75.812	73.090
23	16.524	17.720	15.118	64	45.855	47.150	44.449	105	75.212	76.528	73.806
24	17.238	18.440	15.832	65	46.571	47.867	45.165	106	75.928	77.245	74.522
25	17.952	19.161	16.546	66	47.287	48.583	45.881	107	76.644	77.961	75.238
26	18.667	19.880	17.261	67	48.003	49.300	46.597	108	77.360	78.677	75.954
27	19.381	20.600	17.975	68	48.719	50.017	47.313	109	78.076	79.394	76.670
28	20.096	21.319	18.690	69	49.435	50.733	48.029	110	78.792	80.110	77.386
29	20.810	22.038	19.404	70	50.151	51.450	48.745	111	79.509	80.827	78.103
30	21.525	22.757	20.119	71	50.867	52.167	49.461	112	80.225	81.543	78.819
31	22.240	23.476	20.834	72	51.583	52.883	50.177	113	80.941	82.259	79.535
32	22.955	24.195	21.549	73	52.299	53.600	50.893	114	81.657	82.976	80.251
33	23.670	24.913	22.264	74	53.015	54.317	51.609	115	82.373	83.692	80.967
34	24.385	25.631	22.979	75	53.731	55.033	52.325	116	83.089	84.409	81.683
35	25.101	26.350	23.695	76	54.446	55.750	53.040	117	83.805	85.125	82.399
36	25.816	27.068	24.410	77	55.162	56.467	53.756	118	84.521	85.841	83.115
37	26.531	27.786	25.125	78	55.878	57.183	54.472	119	85.237	86.558	83.831
38	27.247	28.503	25.841	79	56.594	57.900	55.188	120	85.953	87.274	84.547
39	27.962	29.221	26.556	80	57.311	58.616	55.905	121	86.670	87.990	85.264
40	28.677	29.939	27.271	81	58.027	59.333	56.621	122	87.386	88.707	85.980
41	29.393	30.657	27.987	82	58.743	60.049	57.337	123	88.102	89.423	86.696
42	30.108	31.374	28.702	83	59.459	60.766	58.053	124	88.818	90.139	87.412
43	30.824	32.092	29.418	84	60.175	61.483	58.769	125	89.534	90.856	88.128
44	31.539	32.809	30.133	85	60.891	62.199	59.485	126	90.250	91.572	88.844
45	32.255	33.526	30.849	86	61.607	62.916	60.201	127	90.966	92.288	89.560
46	32.971	34.244	31.565	87	62.323	63.632	60.917	128	91.682	93.005	90.276
47	33.686	34.961	32.280	88	63.039	64.349	61.633	129	92.399	93.721	90.993
48	34.402	35.678	32.996	89	63.755	65.065	62.349	130	93.115	94.438	91.709
49	35.118	36.396	33.712	90	64.471	65.782	63.065				

## Sprocket Data

## 200 2-1/2" Pitch



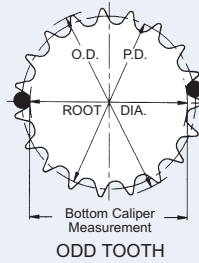
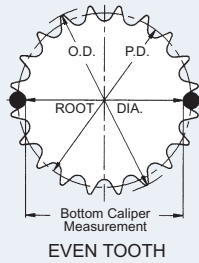
EVEN TOOTH



ODD TOOTH

Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	7.310	8.369	5.747	50	39.815	41.236	38.252	91	72.430	73.887	70.867
10	8.090	9.194	6.527	51	40.610	42.033	39.047	92	73.226	74.683	71.663
11	8.874	10.014	7.311	52	41.405	42.830	39.842	93	74.021	75.479	72.458
12	9.659	10.830	8.096	53	42.201	43.627	40.638	94	74.817	76.275	73.254
13	10.446	11.643	8.883	54	42.996	44.423	41.433	95	75.612	77.071	74.049
14	11.235	12.453	9.672	55	43.791	45.220	42.228	96	76.408	77.867	74.845
15	12.024	13.262	10.461	56	44.587	46.017	43.024	97	77.204	78.663	75.641
16	12.815	14.068	11.252	57	45.382	46.813	43.819	98	77.999	79.459	76.436
17	13.605	14.874	12.042	58	46.178	47.610	44.615	99	78.795	80.255	77.232
18	14.397	15.678	12.834	59	46.973	48.406	45.410	100	79.591	81.051	78.028
19	15.189	16.482	13.626	60	47.768	49.203	46.205	101	80.386	81.847	78.823
20	15.981	17.284	14.418	61	48.564	49.999	47.001	102	81.182	82.643	79.619
21	16.774	18.086	15.211	62	49.359	50.796	47.796	103	81.978	83.439	80.415
22	17.567	18.888	16.004	63	50.155	51.592	48.592	104	82.773	84.235	81.210
23	18.360	19.689	16.797	64	50.950	52.389	49.387	105	83.569	85.031	82.006
24	19.153	20.489	17.590	65	51.746	53.185	50.183	106	84.364	85.827	82.801
25	19.947	21.290	18.384	66	52.541	53.981	50.978	107	85.160	86.623	83.597
26	20.741	22.089	19.178	67	53.336	54.778	51.773	108	85.956	87.419	84.393
27	21.534	22.889	19.971	68	54.132	55.574	52.569	109	86.751	88.215	85.188
28	22.329	23.688	20.766	69	54.927	56.371	53.364	110	87.547	89.011	85.984
29	23.123	24.487	21.560	70	55.723	57.167	54.160	111	88.343	89.807	86.780
30	23.917	25.286	22.354	71	56.518	57.963	54.955	112	89.138	90.603	87.575
31	24.711	26.085	23.148	72	57.314	58.759	55.751	113	89.934	91.399	88.371
32	25.506	26.883	23.943	73	58.109	59.556	56.546	114	90.730	92.195	89.167
33	26.300	27.681	24.737	74	58.905	60.352	57.342	115	91.525	92.991	89.962
34	27.095	28.479	25.532	75	59.701	61.148	58.138	116	92.321	93.787	90.758
35	27.890	29.277	26.327	76	60.496	61.944	58.933	117	93.117	94.583	91.554
36	28.684	30.075	27.121	77	61.292	62.741	59.729	118	93.913	95.379	92.350
37	29.479	30.873	27.916	78	62.087	63.537	60.524	119	94.708	96.175	93.145
38	30.274	31.671	28.711	79	62.883	64.333	61.320	120	95.504	96.971	93.941
39	31.069	32.468	29.506	80	63.678	65.129	62.115	121	96.300	97.767	94.737
40	31.864	33.266	30.301	81	64.474	65.925	62.911	122	97.095	98.563	95.532
41	32.659	34.063	31.096	82	65.269	66.722	63.706	123	97.891	99.359	96.328
42	33.454	34.860	31.891	83	66.065	67.518	64.502	124	98.687	100.155	97.124
43	34.249	35.657	32.686	84	66.861	68.314	65.298	125	99.482	100.951	97.919
44	35.044	36.455	33.481	85	67.656	69.110	66.093	126	100.278	101.747	98.715
45	35.839	37.252	34.276	86	68.452	69.906	66.889	127	101.074	102.543	99.511
46	36.634	38.049	35.071	87	69.247	70.702	67.684	128	101.869	103.339	100.306
47	37.429	38.846	35.866	88	70.043	71.498	68.480	129	102.665	104.135	101.102
48	38.224	39.643	36.661	89	70.839	72.295	69.276	130	103.461	104.931	101.898
49	39.020	40.440	37.457	90	71.634	73.091	70.071				

# 3" Pitch 240



Number of Teeth	Diameters			Number of Teeth	Diameters			Number of Teeth	Diameters		
	Pitch	Outside	Root		Pitch	Outside	Root		Pitch	Outside	Root
9	8.771	10.042	6.896	50	47.778	49.484	45.903	91	86.916	88.664	85.041
10	9.708	11.033	7.833	51	48.732	50.440	46.857	92	87.871	89.619	85.996
11	10.648	12.017	8.773	52	49.687	51.396	47.812	93	88.825	90.575	86.950
12	11.591	12.996	9.716	53	50.641	52.352	48.766	94	89.780	91.530	87.905
13	12.536	13.971	10.661	54	51.595	53.308	49.720	95	90.735	92.485	88.860
14	13.482	14.944	11.607	55	52.550	54.264	50.675	96	91.690	93.441	89.815
15	14.429	15.914	12.554	56	53.504	55.220	51.629	97	92.644	94.396	90.769
16	15.377	16.882	13.502	57	54.459	56.176	52.584	98	93.599	95.351	91.724
17	16.327	17.849	14.452	58	55.413	57.132	53.538	99	94.554	96.306	92.679
18	17.276	18.814	15.401	59	56.367	58.088	54.492	100	95.509	97.262	93.634
19	18.227	19.778	16.352	60	57.322	59.043	55.447	101	96.463	98.217	94.588
20	19.177	20.741	17.302	61	58.276	59.999	56.401	102	97.418	99.172	95.543
21	20.129	21.704	18.254	62	59.231	60.955	57.356	103	98.373	100.127	96.498
22	21.080	22.665	19.205	63	60.186	61.911	58.311	104	99.328	101.082	97.453
23	22.032	23.627	20.157	64	61.140	62.866	59.265	105	100.283	102.038	98.408
24	22.984	24.587	21.109	65	62.095	63.822	60.220	106	101.237	102.993	99.362
25	23.936	25.547	22.061	66	63.049	64.778	61.174	107	102.192	103.948	100.317
26	24.889	26.507	23.014	67	64.004	65.733	62.129	108	103.147	104.903	101.272
27	25.841	27.467	23.966	68	64.958	66.689	63.083	109	104.102	105.859	102.227
28	26.794	28.426	24.919	69	65.913	67.645	64.038	110	105.057	106.814	103.182
29	27.747	29.385	25.872	70	66.868	68.600	64.993	111	106.011	107.769	104.136
30	28.700	30.343	26.825	71	67.822	69.556	65.947	112	106.966	108.724	105.091
31	29.654	31.301	27.779	72	68.777	70.511	66.902	113	107.921	109.679	106.046
32	30.607	32.260	28.732	73	69.731	71.467	67.856	114	108.876	110.634	107.001
33	31.560	33.217	29.685	74	70.686	72.422	68.811	115	109.831	111.590	107.956
34	32.514	34.175	30.639	75	71.641	73.378	69.766	116	110.785	112.545	108.910
35	33.467	35.133	31.592	76	72.595	74.333	70.720	117	111.740	113.500	109.865
36	34.421	36.090	32.546	77	73.550	75.289	71.675	118	112.695	114.455	110.820
37	35.375	37.047	33.500	78	74.505	76.244	72.630	119	113.650	115.410	111.775
38	36.329	38.005	34.454	79	75.459	77.200	73.584	120	114.605	116.365	112.730
39	37.283	38.962	35.408	80	76.414	78.155	74.539	121	115.559	117.321	113.684
40	38.236	39.919	36.361	81	77.369	79.111	75.494	122	116.514	118.276	114.639
41	39.190	40.875	37.315	82	78.323	80.066	76.448	123	117.469	119.231	115.594
42	40.144	41.832	38.269	83	79.278	81.021	77.403	124	118.424	120.186	116.549
43	41.099	42.789	39.224	84	80.233	81.977	78.358	125	119.379	121.141	117.504
44	42.053	43.745	40.178	85	81.188	82.932	79.313	126	120.334	122.096	118.459
45	43.007	44.702	41.132	86	82.142	83.887	80.267	127	121.288	123.051	119.413
46	43.961	45.658	42.086	87	83.097	84.843	81.222	128	122.243	124.006	120.368
47	44.915	46.615	43.040	88	84.052	85.798	82.177	129	123.198	124.962	121.323
48	45.869	47.571	43.994	89	85.006	86.753	83.131	130	124.153	125.917	122.278
49	46.824	48.527	44.949	90	85.961	87.709	84.086				