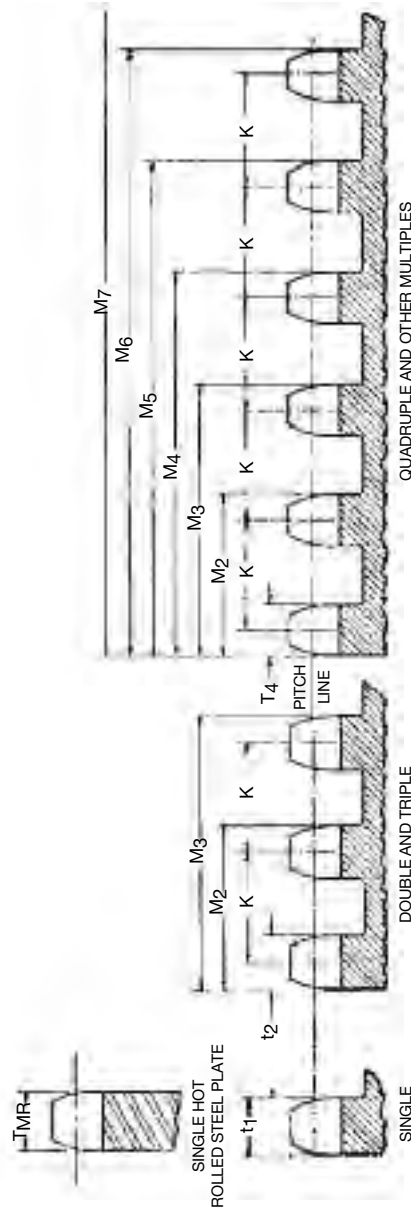


# Sprocket Tooth Dimensions



# Sprocket Tooth Dimensions



## Dimensions in Inches

A.S.A. Chain No.	Chain Data For All Sprockets			Single Strand $t_1$ and $t_{HR}$	Double and Triple Strand			For 4 or more Strands										Minus Tolerance on "M" Machined	Minus Tolerance on "M" on THR	
	Pitch P	Roller Width W	Roller Diameter		$t_2$	$M_2$	$M_3$	$t_4$	$M_2$	$M_3$	$M_4$	$M_5$	$M_6$	$M_8$	$M_{10}$	$M_{12}$	$M_{16}$			K
25	1/4	5/16	.130	.107	.359	.611	.096	.348	.600	.852	1.104	1.356	1.860	2.364	2.868	3.876	.252	.007	.021	
35	5/16	3/8	.200	.162	.561	.960	.149	.548	.947	1.346	1.745	2.144	2.942	3.740	4.538	6.134	.399	.008	.027	
41	3/8	1/2	.306	.275	.841	1.407	.256	.822	1.388	1.954	2.520	3.086	4.218	5.250	6.482	8.746	.566	.009	.032	
40	1/2	5/8	.312	.332	1.045	1.758	.311	1.024	1.737	2.450	3.163	3.876	5.302	6.728	8.154	11.006	.713	.010	.036	
50	5/8	3/4	.400	.444	1.341	2.238	.418	1.315	2.212	3.108	4.006	4.903	6.697	8.491	10.258	13.873	.897	.011	.036	
60	3/4	7/8	.469	.557	1.700	2.863	.526	1.679	2.832	3.985	5.138	6.291	8.597	10.903	13.209	17.821	1.153	.012	.040	
80	1	1 1/8	.625	.669	2.077	3.484	.633	2.041	3.449	4.857	6.265	7.673	10.489	13.305	16.121	21.753	1.408	.014	.046	
100	1 1/4	1 1/2	.750	.894	2.683	4.472	.848	2.637	4.426	6.215	8.004	9.793	13.371	16.949	20.527	27.101	1.789	.016	.057	
120	1 1/2	1 3/4	.875	.924	3.424	5.729	.848	2.772	4.696	6.620	8.544	10.468	14.316	18.164	22.012	29.683	1.924	.016	.057	
140	1 3/4	2	1.000	.894	2.818	4.742	.848	2.772	4.696	6.620	8.544	10.468	14.316	18.164	22.012	29.683	2.305	.019	.062	
160	2	2 1/4	1.125	1.119	3.424	5.729	1.063	3.368	5.673	7.978	10.283	12.588	17.198	21.808	27.418	35.028	2.592	.020	.068	
180	2 1/4	2 3/4	1.406	1.344	3.851	6.443	1.197	3.789	6.381	8.973	11.565	14.157	19.341	24.525	30.709	38.319	2.817	.021	.072	
200	2 3/4	3	1.562	1.344	4.161	6.978	1.278	4.095	6.912	9.729	12.546	15.363	20.997	26.181	32.365	39.979	3.458	.025	.087	
240	3	3 1/2	1.875	1.682	5.140	8.598	1.601	5.059	8.517	11.975	15.433	18.891	25.433	31.881	39.331	47.781	3.458	.025	.087	

## STANDARD SERIES ROLLER CHAIN SPROCKETS

## HEAVY SERIES CHAIN SPROCKETS

60H	.750	.500	.469	444	1.472	2.500	418	1.446	2.474	3.502	4.530	5.558	7.614				1.028	-.011	-.036
80H	1.000	.625	.625	.557	1.840	3.123	.526	1.809	3.092	4.375	5.568	6.941	9.507				1.283	-.012	-.040
100H	1.250	.750	.750	.669	2.208	3.747	.633	2.172	3.711	5.250	6.789	8.328	11.406				1.539	-.014	-.046
120H	1.500	1.000	.875	.894	2.818	4.742	.848	2.772	4.696	6.620	8.544	10.468	14.316				1.924	-.016	-.057
140H	1.750	1.000	1.000	.924	2.949	5.004	.848	2.903	4.958	7.013	9.068	11.123	15.233				2.055	-.016	-.057
160H	2.000	1.250	1.125	1.119	3.555	5.991	1.063	3.499	5.935	8.371	10.807	13.243	18.115				2.436	-.019	-.062
180H	2.250	1.406	1.406	1.301	3.982	6.705	1.197	3.920	6.643	9.366	12.089	14.812	20.258				2.723	-.020	-.068
200H	2.500	1.500	1.562	1.389	4.427	7.510	1.278	4.361	7.444	10.527	13.610	16.693	22.859				3.083	-.021	-.072

† = Not made in multiple strands.