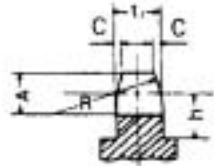


# TRITAN

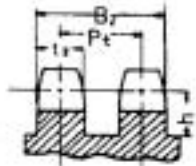
PRECISION ROLLER CHAIN

YOUR LINK TO QUALITY.

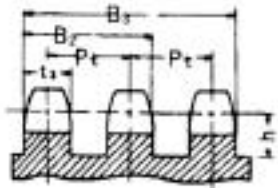
## WHEEL-RIM PROFILES & DATA OF SPROCKETS



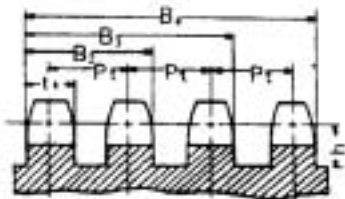
SINGLE



DOUBLE



TRIPLE



QUADRUPLE

### Standard Series Rollerchain Sprockets

(Dimension, in.)

Sprocket No	Pitch P	Roller Dia $\phi$	h	Height Of Chamfer A	Width Of Chamfer C	Radius Of Chamfer R	Trans Verse Pitch Of Strands Pt	Single		Double Triple		Quadruple			MINUS TOLERANCE ON "A" "B" MA. CHAIN	MINUS TOLERANCE ON $T_{min}$	
								Teeth Thick - Ness $t_1$	Teeth Thick - Ness $t_{2,3}$	Teeth Width		Teeth Thick - Ness $t_4$	Teeth Width				
										B <sub>2</sub>	B <sub>3</sub>		B <sub>2</sub>	B <sub>3</sub>			B <sub>4</sub>
25	1/4	0.130	0.157	0.126	0.031	0.268	0.252	0.110	0.107	0.359	0.611	0.096	0.348	0.600	0.852	0.007	0.021
35	3/8	0.200	0.197	0.189	0.047	0.402	0.399	0.168	0.162	0.561	0.960	0.149	0.548	0.947	1.346	0.008	0.027
41	1/2	0.306	0.276	0.252	0.063	0.531	—	0.227	—	—	—	—	—	—	—	0.009	0.032
40	1/2	0.312	0.276	0.252	0.063	0.531	0.566	0.284	0.275	0.841	1.407	0.256	0.822	1.388	1.954	0.009	0.035
50	5/8	0.400	0.406	0.311	0.079	0.665	0.713	0.343	0.332	1.045	1.758	0.311	1.024	1.737	2.450	0.010	0.036
60	3/4	0.469	0.465	0.374	0.094	0.799	0.897	0.459	0.444	1.341	2.238	0.418	1.315	2.212	3.108	0.011	0.036
80	1	0.625	0.610	0.5	0.126	1.063	1.153	0.575	0.557	1.710	2.863	0.526	1.679	2.832	3.985	0.012	0.040
100	1 1/4	0.750	0.756	0.626	0.157	1.331	1.408	0.692	0.669	2.077	3.484	0.633	2.041	3.449	4.857	0.014	0.046
120	1 1/2	0.875	0.906	0.752	0.189	1.594	1.789	0.924	0.894	2.683	4.472	0.848	2.637	4.426	6.215	0.016	0.057
140	1 3/4	1.000	1.063	0.874	0.220	1.858	1.924	0.924	0.894	2.818	4.742	0.848	2.772	4.696	6.620	0.016	0.057
160	2	1.125	1.244	1	0.252	2.126	2.305	1.156	1.119	3.424	5.729	1.063	3.368	5.673	7.978	0.019	0.062
180	2 1/4	1.406	1.449	1.122	0.283	2.402	2.592	1.301	1.259	3.851	6.443	1.197	3.789	6.381	8.973	0.020	0.068
200	2 1/2	1.562	1.559	1.252	0.311	2.658	2.817	1.389	1.344	4.161	6.978	1.278	4.095	6.912	9.729	0.021	0.072
240	3	1.875	1.909	1.5	0.374	3.189	3.458	1.738	1.682	5.140	8.598	1.601	5.059	8.517	11.975	0.025	0.087

### Heavy Load Series Chain Sprockets

60H	3/4	0.469	0.465	0.374	0.094	0.799	1.028	0.459	0.444	1.472	2.500	0.418	1.446	2.474	3.502	0.011	0.036
80H	1	0.625	0.610	0.5	0.126	1.063	1.283	0.575	0.557	1.840	3.123	0.526	1.809	3.092	4.375	0.012	0.040
100H	1 1/4	0.750	0.756	0.626	0.157	1.331	1.539	0.692	0.669	2.208	3.747	0.633	2.172	3.711	5.250	0.014	0.046
120H	1 1/2	0.875	0.906	0.752	0.189	1.594	1.924	0.924	0.894	2.818	4.742	0.848	2.772	4.696	6.620	0.016	0.057
140H	1 3/4	1.000	1.063	0.874	0.220	1.858	2.055	0.924	0.894	2.949	5.004	0.848	2.903	4.958	7.013	0.016	0.057
160H	2	1.125	1.244	1	0.252	2.126	2.436	1.156	1.119	3.555	5.991	1.063	3.499	5.935	8.371	0.019	0.062
180H	2 1/4	1.406	1.449	1.122	0.283	2.402	2.723	1.301	1.259	3.982	6.705	1.197	3.920	6.643	9.366	0.020	0.068
200H	2 1/2	1.562	1.559	1.252	0.311	2.658	3.083	1.389	1.344	4.427	7.510	1.278	4.361	7.444	10.527	0.021	0.072

NOTE: 1. H refers to the min distance from pitch circle to hub (or bottom of groove).

2. Teeth thickness of sprocket over quadruplex is same as teeth thickness  $t_4$  of quadruplex sprocket, teeth  $B_n = (n-1)P_1 + t_4 (n \geq 4)$

3.  $T_{min}$  is thickness of single not rolled steel plate.