

ANSI Single-Strand Standard Roller Chain Size Chart

Chain Size	Pitch (P)	Roller Width (W)	Roller Diameter (D)	Overall Width (A)	Plate Height (H)	Plate Thickness (T)	Pin Diameter (E)	Ultimate Tensile Strength	Weight Per Ft
#25-1	0.250 in	0.125 in	0.130 in	0.306 in	0.228 in	0.029 in	0.091 in	930 lbs	0.09 lbs
#35-1	0.375 in	0.188 in	0.200 in	0.456 in	0.356 in	0.050 in	0.141 in	2,320 lbs	0.22 lbs
#40-1	0.500 in	0.312 in	0.312 in	0.642 in	0.475 in	0.058 in	0.156 in	3,970 lbs	0.42 lbs
#41-1	0.500 in	0.250 in	0.306 in	0.522 in	0.390 in	0.050 in	0.141 in	2,760 lbs	0.28 lbs
#50-1	0.625 in	0.375 in	0.400 in	0.794 in	0.594 in	0.079 in	0.200 in	6,620 lbs	0.68 lbs
#60-1	0.750 in	0.500 in	0.469 in	0.994 in	0.712 in	0.093 in	0.234 in	9,270 lbs	0.97 lbs
#80-1	1.000 in	0.625 in	0.625 in	1.290 in	0.950 in	0.125 in	0.312 in	16,540 lbs	1.71 lbs
#100-1	1.250 in	0.750 in	0.750 in	1.578 in	1.188 in	0.157 in	0.375 in	25,360 lbs	2.65 lbs
#120-1	1.500 in	1.000 in	0.875 in	1.966 in	1.425 in	0.189 in	0.437 in	32,640 lbs	3.79 lbs
#140-1	1.750 in	1.000 in	1.000 in	2.132 in	1.663 in	0.219 in	0.500 in	45,210 lbs	4.96 lbs
#160-1	2.000 in	1.250 in	1.125 in	2.564 in	1.901 in	0.255 in	0.563 in	57,780 lbs	6.32 lbs
#180-1	2.250 in	1.406 in	1.406 in	2.808 in	2.130 in	0.283 in	0.687 in	80,480 lbs	9.04 lbs
#200-1	2.500 in	1.500 in	1.562 in	3.160 in	2.376 in	0.312 in	0.782 in	109,150 lbs	10.31 lbs
#240-1	3.000 in	1.875 in	1.875 in	3.772 in	2.850 in	0.375 in	0.937 in	152,140 lbs	16.40 lbs

How to use the chart:

1. Measure the pitch (P), roller width (W), roller diameter (D), overall width (A), plate height (H), plate thickness (T), and pin diameter (E) of your chain.
2. Match your measurements to the dimensions in the chart to determine the standard size chain you need.
3. Consider the ultimate tensile strength and weight per foot specifications to ensure that the chain you select has the required load-carrying capacity and optimal performance for your application.

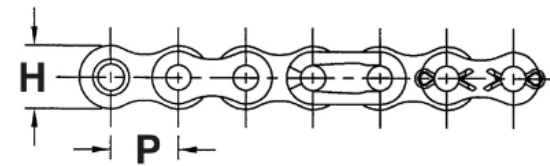


Fig.1 - Single Strand Roller Chain Drawing (Side View).

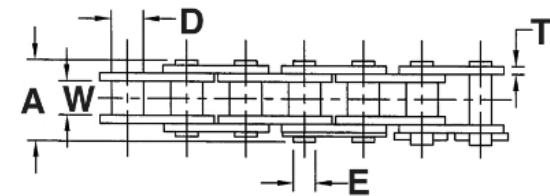


Fig.2 - Single Strand Roller Chain Drawing (Top View).



Scan this code for more chain size charts

