

# Roller Chain and Individual Links



**Standard Roller**—Hardened carbon steel construction. Fully interchangeable with other ANSI roller chains. Factory preloading, lube-grooved bushings, and prelubrication minimize wear elongation. One connecting link included for every 10 ft. of chain.

**Heavy Riveted Roller**—Thicker link plates than standard roller chains. Heavier construction allows chains to absorb more shock and convey heavier loads.

**Lube-Free Roller**—Oil impregnated bushings are for locations where lubrication is difficult or unwanted to protect products from exposure to grease.

**British Standard Roller**—Meet manufacturing specifications set by the International Standards Organization metric dimensions (ISO 606), British Standard (BS 228), and DIN 8187 manufacturing specifications. For general conveying applications that require durable chains in non-corrosive environments.

**Standard and Heavy Conveyor Roller**—Designed specifically for transport applications such as material handling, packaging, road building machinery, commercial bakeries, bottlers, and farm equipment.

**Connecting Links**—For joining two ends of chain together. Chain Numbers 25 to 60 assemble with spring clips. Numbers 80 and higher, as well as Heavy and Curved connecting links, assemble with cotter pins.

**Offset Links**—Used when an odd number of links are required in a roller chain.

**Roller Links**—Individual links serve as replacements for damaged roller links.

Additional sizes and styles of roller chain are available on Grainger.com.



Standard  
2YDW8



Heavy  
1YGT2



Conveyor  
2YDY3

Chain Number	Pitch	Inside Width	Roller Dia.	Chain Overall Width	Overall Length	Working Load Limit (lb)	Tensile Strength (lb)	CHAIN		CONNECTING LINKS		OFFSET LINKS		ROLLER LINKS	
								Item No.	Pkg. Qty.	Item No.	Pkg. Qty.	Item No.	Pkg. Qty.	Item No.	Pkg. Qty.
<b>Standard Roller Chain, Single Strand - Dayton Chain &amp; Links</b>															
35	3/8 in	0.188 in	1/4 in	0.52 in	10 ft	480	1,760	2YDW4	1	2YEA5	5	2YEA6	5	2YEA7	5
35	3/8 in	0.188 in	1/4 in	0.52 in	100 ft	480	1,760	2YDX5	1	2YEA5	5	2YEA6	5	2YEA7	5
40	1/2 in	0.312 in	3/8 in	0.7 in	10 ft	810	3,125	2YDW5	1	2YEA8	5	2YEA9	5	2YEC1	5
40	1/2 in	0.312 in	3/8 in	0.7 in	100 ft	810	3,125	2YDX6	1	2YEA8	5	2YEA9	5	2YEC1	5
41	1/2 in	0.25 in	3/8 in	0.59 in	10 ft	470	1,500	2YDW6	1	2YEC2	5	2YEC3	5	2YEC4	5
41	1/2 in	0.25 in	3/8 in	0.59 in	100 ft	470	1,500	2YDX7	1	2YEC2	5	2YEC3	5	2YEC4	5
50	3/4 in	0.375 in	1/2 in	0.86 in	10 ft	1,430	4,880	2YDW7	1	2YEC5	5	2YEC6	5	2YEC7	5
50	3/4 in	0.375 in	1/2 in	0.86 in	100 ft	1,430	4,880	2YDX8	1	2YEC5	5	2YEC6	5	2YEC7	5
60	3/4 in	0.5 in	1/2 in	1.06 in	10 ft	1,980	7,030	2YDW8	1	2YEC8	5	2YEC9	5	2YED1	5
60	3/4 in	0.5 in	1/2 in	1.06 in	100 ft	1,980	7,030	2YDX9	1	2YEC8	5	2YEC9	5	2YED1	5
80	1 in	0.625 in	5/8 in	1.34 in	10 ft	3,300	12,500	2YDW9	1	2YED2	1	2YED3	1	2YED4	1
100	1 1/4 in	0.75 in	3/4 in	1.62 in	10 ft	5,070	19,531	2YDX1	1	2YED5	1	2YED6	1	2YED7	1
120	1 1/2 in	1 in	7/8 in	2.03 in	10 ft	6,790	28,125	2YDX2	1	2YED8	1	2YEE2	1	2YEE5	1
140	1 3/4 in	1 in	1 in	2.19 in	10 ft	8,900	38,280	2YDX3	1	2YED9	1	2YEE3	1	2YEE6	1
160	2 in	1.25 in	1 1/8 in	2.6 in	10 ft	11,980	50,000	2YDX4	1	2YEE1	1	2YEE4	1	2YEE7	1
<b>Standard Roller Chain, Single Strand - Tritan Chain &amp; Tsubaki Links</b>															
40	1/2 in	0.309 in	3/8 in	0.654 in	50 ft	—	3,900	42MJ72	1	5X293	5	5X294	5	5X295	5
50	3/4 in	0.37 in	1/2 in	0.815 in	10 ft	—	6,600	42MJ76	1	5X299	5	5X300	5	5X301	5
60	3/4 in	0.495 in	1/2 in	1.02 in	50 ft	—	9,300	42MJ80	1	5X302	5	5X303	5	5X304	5
80	1 in	0.62 in	5/8 in	1.287 in	10 ft	—	15,600	42MJ82	1	6X529	1	6X530	1	6X531	1
<b>Standard Roller Chain, Single Strand - Tsubaki Chain &amp; Links</b>															
35	3/8 in	0.188 in	1/4 in	0.5 in	10 ft	480	2,530	2W092	1	5X290	5	5X291	5	5X292	5
35	3/8 in	0.188 in	1/4 in	0.5 in	100 ft	480	2,530	2W192	1	5X290	5	5X291	5	5X292	5
40	1/2 in	0.313 in	3/8 in	0.717 in	10 ft	810	4,290	2W093	1	5X293	5	5X294	5	5X295	5
40	1/2 in	0.313 in	3/8 in	0.717 in	100 ft	810	4,290	2W193	1	5X293	5	5X294	5	5X295	5
41	1/2 in	0.25 in	3/8 in	0.579 in	10 ft	500	2,640	2W094	1	5X296	5	5X297	5	5X298	5
41	1/2 in	0.25 in	3/8 in	0.579 in	100 ft	500	2,640	2W194	1	5X296	5	5X297	5	5X298	5
50	3/4 in	0.375 in	1/2 in	0.878 in	10 ft	1,430	7,050	2W095	1	5X299	5	5X300	5	5X301	5
50	3/4 in	0.375 in	1/2 in	0.878 in	100 ft	1,430	7,050	2W195	1	5X299	5	5X300	5	5X301	5
60	3/4 in	0.5 in	1/2 in	1.087 in	10 ft	1,980	9,920	2W096	1	5X302	5	5X303	5	5X304	5
60	3/4 in	0.5 in	1/2 in	1.087 in	100 ft	1,980	9,920	3W098	1	5X302	5	5X303	5	5X304	5
80	1 in	0.625 in	5/8 in	1.398 in	10 ft	3,300	17,640	2W221	1	6X529	1	6X530	1	6X531	1
100	1 1/4 in	0.75 in	3/4 in	1.678 in	10 ft	5,070	26,460	2W222	1	6X532	1	6X533	1	6X534	1
120	1 1/2 in	1 in	7/8 in	2.118 in	10 ft	6,830	37,480	6L481	1	6L490	1	6L491	1	6L496	1
140	1 3/4 in	1 in	1 in	2.307 in	10 ft	9,040	48,510	6L482	1	6L491	1	6L494	1	6L497	1
160	2 in	1.25 in	1 1/8 in	2.705 in	10 ft	11,900	60,630	6L483	1	6L492	1	6L495	1	6L498	1
<b>Standard Roller Chain, Double Strand - Dayton Chain &amp; Links</b>															
35	3/8 in	0.188 in	1/4 in	0.92 in	10 ft	805	3,520	2YDY5	1	2YEE8	5	2YEF5	5	—	—
40	1/2 in	0.312 in	3/8 in	1.27 in	10 ft	1,360	6,250	2YDY6	1	2YEE9	5	2YEF6	5	—	—
50	3/4 in	0.375 in	1/2 in	1.57 in	10 ft	2,360	9,770	2YDY7	1	2YEF1	5	2YEF7	5	—	—
60	3/4 in	0.5 in	1/2 in	1.95 in	10 ft	3,300	14,060	2YDY8	1	2YEF2	5	2YEF8	5	—	—
80	1 in	0.625 in	5/8 in	2.49 in	10 ft	5,600	25,000	2YDY9	1	2YEF3	1	2YEF9	1	—	—
100	1 1/4 in	0.75 in	3/4 in	3.03 in	10 ft	8,570	39,062	2YDZ1	1	2YEF4	1	2YEF1	1	—	—
<b>Standard Roller Chain, Double Strand - Tsubaki Chain &amp; Links</b>															
35	3/8 in	0.188 in	1/4 in	0.898 in	10 ft	810	5,060	6L484	1	6L499	5	6L505	5	—	—
40	1/2 in	0.313 in	3/8 in	1.283 in	10 ft	1,370	8,580	6L485	1	6L500	5	6L506	5	—	—
50	3/4 in	0.375 in	1/2 in	1.595 in	10 ft	2,430	14,100	6L486	1	6L501	5	6L507	5	—	—
60	3/4 in	0.5 in	1/2 in	1.988 in	10 ft	3,360	19,840	6L487	1	6L502	5	6L508	5	—	—
80	1 in	0.625 in	5/8 in	2.552 in	10 ft	5,610	35,280	6L488	1	6L503	1	6L509	1	—	—
100	1 1/4 in	0.75 in	3/4 in	3.09 in	10 ft	8,610	52,920	6L489	1	6L504	1	6L510	1	—	—
<b>Heavy Riveted Roller Chain, Single Strand - Tsubaki Chain &amp; Links</b>															
60	3/4 in	0.5 in	1/2 in	1.252 in	10 ft	2,200	9,920	1YGT2	1	1YKK8	5	1YKK9	5	1YKL1	5
80	1 in	0.625 in	5/8 in	1.543 in	10 ft	3,630	17,640	1YGT7	1	1YKV8	1	1YKV9	1	1YKW1	1
<b>Lube-Free Roller Chain, Single Strand - Tsubaki Chain &amp; Links</b>															
40	1/2 in	0.297 in	3/8 in	0.755 in	10 ft	816	4,300	1YGP9	1	1YJK8	5	1YJK9	5	—	—
50	3/4 in	0.365 in	1/2 in	0.913 in	10 ft	1,430	7,050	1YGR4	1	1YJX4	5	1YJX5	5	—	—
<b>British Standard Roller Chain, Single Strand - Tsubaki Chain &amp; Links</b>															
06B	3/8 in	0.225 in	1/4 in	0.551 in	10 ft	438	2,310	1YGT8	1	1YGN3	5	1YGN4	5	—	—
08B	1/2 in	0.305 in	3/8 in	0.724 in	10 ft	854	4,410	1YGT9	1	1YGN5	5	1YGN6	5	—	—
10B	3/8 in	0.38 in	1/2 in	0.819 in	10 ft	1,016	5,840	1YHA1	1	1YGN7	5	1YGN8	5	—	—
12B	3/4 in	0.46 in	1/2 in	0.953 in	10 ft	1,387	7,500	1YHA2	1	1YGN9	5	1YGP1	5	—	—
16B	1 in	0.67 in	5/8 in	1.488 in	10 ft	2,945	16,500	1YHA3	1	1YGP2	1	1YGP3	1	—	—
<b>Standard Conveyor Roller Chain, Single Strand - Dayton Chain &amp; Links</b>															
C2040	1 in	0.312 in	3/8 in	0.7 in	10 ft	534	3,125	2YDY1	1	2YEG2	1	2YEG6	1	2YEH1	1
C2050	1 1/4 in	0.375 in	1/2 in	0.86 in	10 ft	721	4,880	2YDY2	1	2YEG3	1	2YEG7	1	2YEH2	1
<b>Standard Conveyor Roller Chain, Single Strand - Tsubaki Chain &amp; Links</b>															
C2040	1 in	0.313 in	3/8 in	0.717 in	10 ft	595	3,750	6L511	1	6L515	1	6L519	1	6L523	1
C2050	1 1/4 in	0.375 in	1/2 in	0.878 in	10 ft	970	6,170	6L512	1	6L516	1	6L520	1	6L524	1
<b>Heavy Conveyor Roller Chain, Single Strand - Dayton Chain &amp; Links</b>															
C2060H	1 1/2 in	0.5 in	1/2 in	1.15 in	10 ft	1,032	7,227	2YDY3	1	2YEG4	1	2YEG8	1	2YEH3	1
C2080H	2 in	0.625 in	5/8 in	1.425 in	10 ft	1,610	12,886	2YDY4	1	2YEG5	1	2YEG9	1	2YEH4	1
<b>Heavy Conveyor Roller Chain, Single Strand - Tsubaki Chain &amp; Links</b>															
C2060H	1 1/2 in	0.5 in	1/2 in	1.225 in	10 ft	1,410	9,040	6L513	1	6L517	1	6L521	1	6L525	1
C2080H	2 in	0.625 in	5/8 in	1.543 in	10 ft	2,400	15,400	6L514	1	6L518	1	6L522	1	6L526	1

\* 06B chain has conveyor-style flat side bar.