

Double Capacity Chain

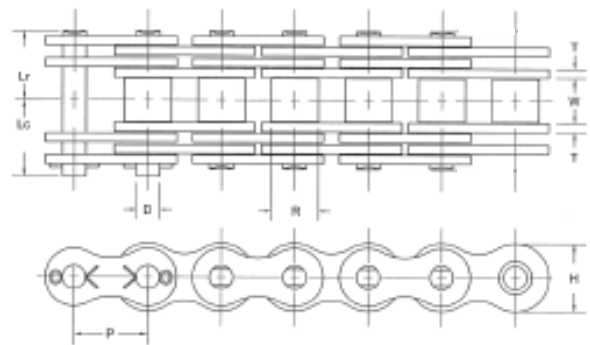


Double Capacity roller chains possess twice the number of link plates and therefore twice the ultimate strength of standard single strand roller chains. They are primarily designed for high load hoist, pull down, or other tension linkage applications, and operate on standard ASME/ANSI single strand sprockets with hardened teeth. Multiple strand Double Capacity chains are not available.

- Stronger than “Super Series” Roller Chains.
- Superior wear resistance compared to leaf chains.
- Rated working load is related to chain speed.

Rated working load (Lbs) vs. Linear Chain Speed for Double Capacity Chains

Chain Size	Linear Chain Speed (feet per minute)					
	<10FPM	10-20 FPM	20-30 FPM	30-40 FPM	40-50 FPM	50-160 FPM
60DC	4,450	3,950	3,460	2,970	2,720	2,470
80 DC	7,450	6,630	5,800	4,970	4,550	4,140
100DC	11,450	10,200	8,900	7,630	7,000	6,360
120DC	15,400	13,650	11,950	10,250	9,400	8,540
140DC	20,350	18,100	15,850	13,600	12,450	11,310
160DC	26,800	23,850	20,850	17,900	16,400	14,900
180DC	29,900	26,550	23,250	19,900	18,250	16,600
200DC	33,500	29,750	20,050	22,350	20,450	18,600
240DC	45,750	40,650	35,550	30,500	27,950	25,400



Chain Number	Chain Dimensions Are Given In Inches								Average Ultimate Strength (Lbs)	Average Chain Weight (Lbs/Ft)
	Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Link Plate Height H	Riv. Pin Length Lr	Cot. Pin Length Lc		
60DC	3/4	0.500	0.469	0.234	0.094	0.691	1.410	1.500	19,400	1.60
80DC	1	0.625	0.625	0.312	0.125	0.921	1.800	1.920	35,200	1.74
100DC	1 1/4	0.750	0.750	0.375	0.156	1.154	2.200	2.340	52,800	2.72
120DC	1 1/2	1.000	0.875	0.437	0.187	1.382	2.720	2.890	75,000	4.02
140DC	1 3/4	1.000	1.000	0.500	0.219	1.610	3.010	3.200	97,000	5.22
160DC	2	1.250	1.125	0.562	0.250	1.839	3.550	3.750	123,400	6.93
180DC	2 1/4	1.406	1.406	0.687	0.281	2.067	4.000	4.240	158,800	9.50
200DC	2 1/2	1.500	1.562	0.781	0.312	2.354	4.380	4.730	202,000	12.13
240DC	3	1.875	1.875	0.937	0.375	2.768	5.340	5.640	304,000	17.21