

Double Capacity Chain

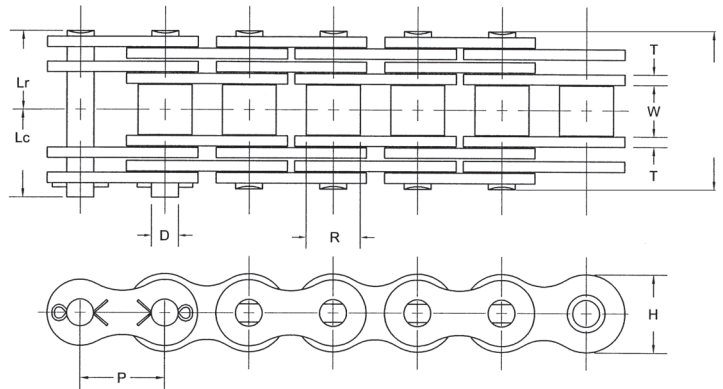


Double Capacity roller chains possess twice the number of link plates and therefore twice the ultimate strength of standard single strand roller chains. They are primarily designed for high load hoist, pull down, or other tension linkage applications, and operate on standard ASME/ANSI single strand sprockets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

- The next step beyond Heavy Series Roller chain
- Highest average ultimate strength
- Heaviest roller chain construction
- Twice the sidebars of standard chain
- Combines the best features of high strength leaf chain with the same sprocket-chain interaction of roller chain
- Double the insurance against catastrophic failure

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

CHAIN	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)
	Chain 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

Link up with SENQCIA and see what you've been missing.

For a breakdown of drive comparison call SENQCIA engineering, your supplier for the twenty first century.

Freedom Series® Chain



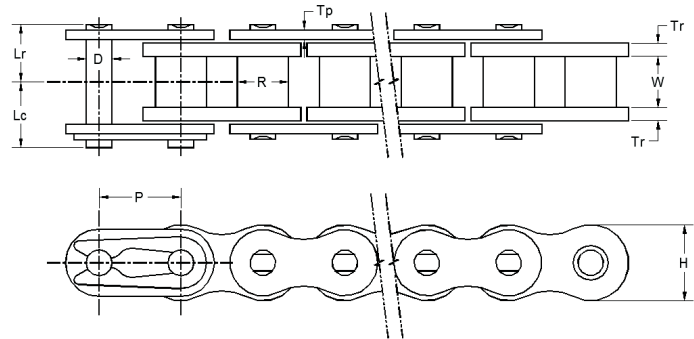
Freedom Series® Self-Lubricating chains offer premium performance and value in a sintered maintenance free product. It features the addition of a roller for reduced friction, smoother operation over sprockets, and specially coated pins and link plates for rust prevention and improved wear life. They are available in PT-Type, for most drive or power transmission applications, and C-Type, for conveyor applications. Nickel plate or Perfect Coat Plus™ are also available.

The PT-Type chains are made with slightly modified dimensions to achieve the same strength and working load values as ASME/ANSI standard chains (unlike standard SL-Series products which possess reduced ratings). This allows them to be direct replacements on many slow to moderate speed drives. These chains are available in single strand only and will operate on standard ASME/ANSI sprockets.

Normal Operating Temperature 4°F to 158°F

Also available in Nickel Plate or Perfect Coat Plus™

Features	Benefits
Freedom Series Chain features wide waist design	Extended wear life-Up to 30 times longer than standard roller chain that cannot be lubricated
Exact size replacement for standard roller chain	No changing of sprockets or upsizing required
Roller link plates have same thickness as heavy series chain	Offers same maximum allowable working load capacity as ASME/ANSI standard chain
No lubrication required	Results in clean work area which is excellent for food processing applications
Specially treated pin	Offers best wear life in combination with sintered steel chain bushing
Solid roller	Smooth sprocket action-similar to SBR roller chain



Freedom Series® PT-Type Self-Lubricating Roller Chain Specifications

Chain Number	Chain Dimensions Are Given In Inches									Rated Working Load (Lbs)	Average Ultimate Strength (Lbs)	Average Chain Weight (Lbs/Ft)
	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Roller Plate Thickness Tr	Pin Plate Thickness Tp	Link Plate Height H	Riv. Pin Length Lr	Cot. Pin Length Lc			
40FS	1/2	0.312	0.312	0.156	0.080	0.060	0.463	0.350	0.400	820	4,300	0.46
50FS	5/8	0.375	0.400	0.200	0.094	0.080	0.577	0.425	0.485	1,410	7,200	0.72
60FS	3/4	0.500	0.469	0.234	0.125	0.094	0.691	0.545	0.615	1,940	9,700	1.15
80FS	1	0.625	0.625	0.312	0.156	0.125	0.921	0.680	0.790	3,300	17,600	1.80
100FS	1 1/4	0.750	0.750	0.375	0.187	0.156	1.154	0.805	0.955	5,080	26,500	2.85