

Conveyor Chains

Double Pitch Roller Chains

Double-Pitch Conveyor chains are lower in cost than standard roller chains and are ideally suited for conveyor applications, particularly when shaft centers are relatively long. Double-Pitch conveyor chains have straight side-bars of equal height and can be furnished with standard diameter or large diameter rollers.

Standard diameter rollers are for applications where the chain slides along the conveyor path. The straight, equal height sidebars provide ample sliding surfaces to resist wear.

Chains with rollers larger in diameter than the height of the sidebars are used where rolling action along the conveyor path is desired. Large Delrin rollers can be furnished for applications that require minimum or no lubrication.

Sprockets • Sprockets for Double-Pitch Conveyor chains with *standard diameter rollers* are normally furnished with two times the number of teeth required. As illustrated in Fig. 6553-A, the relationship between chain pitch and roller diameter results in adequate space for a second set of teeth which substantially increases sprocket life.

When the total number of teeth in the sprocket is 24 or more, stock sprockets for standard roller chains of one-half the conveyor chain pitch may be used.

Sprockets for conveyor chains with *large diameter rollers* can only be furnished with the required number of teeth as illustrated in Fig. 6553-B.

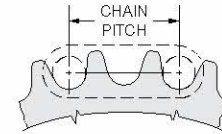


Fig. 6553A

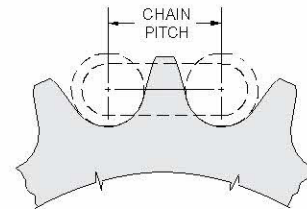


Fig. 6553B

Standard Diameter Steel Rollers

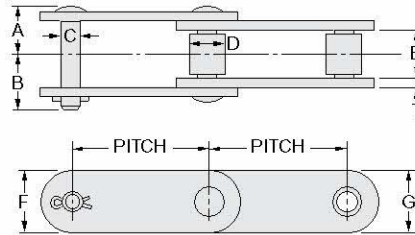


Fig. 5074

Carbon Steel

Chain number	Chain pitch, inches	Average ultimate strength, pounds	Joint bearing area, square inches	Weight per foot pounds	Dimensions, inches								Sprocket Data, Pages
					A	B	C	D	E	F	G	T	
C 2040Δ	1.000	3,700	.068	.32	.32	.38	.156	.313	.31	.47	.47	.06	E-10
C 2050Δ	1.250	6,100	.108	.51	.41	.48	.200	.400	.38	.59	.59	.08	E-12
C 2060H	1.500	8,500	.176	1.05	.56	.65	.234	.469	.50	.68	.68	.13	E-14
C 2080H	2.000	12,500	.295	1.67	.69	.81	.313	.625	.63	.91	.91	.16	E-16
C 2100H	2.500	26,000	.427	2.55	.83	.95	.375	.750	.75	1.13	1.13	.19	E-18
C 2120H	3.000	36,500	.636	3.57	1.02	1.19	.438	.875	1.00	1.38	1.38	.22	E-20
C 2160H	4.000	68,000	1.014	6.18	1.30	1.48	.562	1.125	1.25	1.87	1.87	.28	E-22

Stainless Steel

Chain number	Chain pitch, inches	Average ultimate strength, pounds	Joint bearing area, square inches	Weight per foot pounds	Dimensions, inches								Sprocket Data, Pages
					A	B	C	D	E	F	G	T	
C 2040 SSΔ	1.000	3,000	.068	.32	.32	.38	.156	.313	.31	.45	.45	.06	E-10
C 2050 SSΔ	1.250	5,000	.108	.51	.41	.48	.200	.400	.38	.55	.55	.08	E-12
C 2060H SS	1.500	6,800	.176	1.05	.56	.65	.234	.469	.50	.71	.71	.13	E-14
C 2080H SN	2.000	12,000	.295	1.67	.69	.81	.313	.625	.63	.91	.91	.16	E-16
C 2100H SN	2.500	18,750	.427	2.55	.83	.95	.375	.750	.75	1.13	1.13	.19	E-18
C 2120H SN	3.000	27,000	.636	3.57	1.02	1.19	.438	.875	1.00	1.38	1.38	.22	E-20
C 2160H SN	4.000	47,000	1.014	6.18	1.30	1.48	.562	1.125	1.25	1.87	1.87	.28	E-22

Δ Available only in riveted construction. All other sizes may be furnished cottered or riveted.

Note: Dimensions and other Engineering Data are subject to change. Certified specifications of ordered product furnished upon request.

Large Diameter Steel Or Delrin[#]Rollers

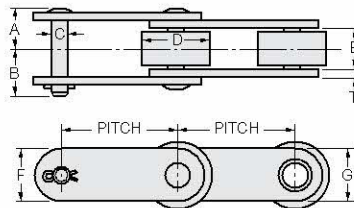


Fig. 4384

Carbon Steel

Chain number	Chain pitch, inches	Average ultimate strength, pounds	Joint bearing area, square inches	Weight per foot pounds	Dimensions, inches								Sprocket Data, Pages
					A	B	C	D	E	F	G	T	
C 2042Δ	1.000	3,700	.068	.56	.32	.38	.156	.625	.31	.47	.47	.06	E-11
C 2052Δ	1.250	6,100	.108	.83	.41	.48	.200	.750	.38	.59	.59	.08	E-13
C 2062H	1.500	8,500	.176	1.55	.56	.65	.234	.875	.50	.68	.68	.13	E-15
C 2082H	2.000	12,500	.295	2.35	.69	.81	.313	1.125	.63	.91	.91	.16	E-17
C 2102H	2.500	26,000	.427	3.85	.83	.95	.375	1.563	.75	1.13	1.13	.19	E-19
C 2122H	3.000	36,500	.636	6.22	1.02	1.19	.438	1.750	1.00	1.38	1.38	.22	E-21
C 2162H	4.000	68,000	1.014	9.34	1.30	1.48	.562	2.250	1.25	1.87	1.87	.28	E-23

Stainless Steel

Chain number	Chain pitch, inches	Average ultimate strength, pounds	Joint bearing area, square inches	Weight per foot pounds	Dimensions, inches								Sprocket Data, Pages
					A	B	C	D	E	F	G	T	
C 2042 SSΔ	1.000	3,000	.068	.56	.32	.38	.156	.625	.31	.47	.47	.06	E-11
C 2052 SSΔ	1.250	5,000	.108	.83	.41	.48	.200	.750	.38	.59	.59	.08	E-13
C 2062H SS	1.500	6,800	.176	1.55	.56	.65	.234	.875	.50	.68	.68	.13	E-15
C 2082H SN	2.000	12,000	.295	2.35	.69	.81	.313	1.125	.63	.91	.91	.16	E-17
C 2102H SN	2.500	18,750	.427	3.85	.83	.95	.375	1.563	.75	1.13	1.13	.19	E-19
C 2122H SN	3.000	27,000	.636	6.22	1.02	1.19	.438	1.750	1.00	1.38	1.38	.22	E-21
C 2162H SN	4.000	47,000	1.014	9.34	1.30	1.48	.562	2.250	1.25	1.87	1.87	.28	E-23

Δ Available only in riveted construction. All other sizes may be furnished cottered or riveted.

When ordering chains and attachments with large Delrin rollers, add the suffix "DR" to the chain number listed above.

Note: Dimensions and other Engineering Data are subject to change. Certified specifications of ordered product furnished upon request.