Double Pitch Chain

Superior performance for light to moderate applications

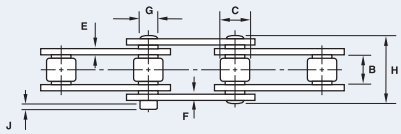
Drive Series
Renold Double Pitch drive chains provide an economical solution for drives in which speeds are low, center distances are long, and loads are low to moderate. Pins, bushings, and rollers are similar to ANSI standard chains — but the "figure-eight"-style link plates are twice the pitch of their ANSI standard counterparts. Double Pitch chains are lighter, lower-priced, and tend to have a shorter wear life than the equivalent ANSI chain of half the pitch. Drive Series Double Pitch chains are designated with the prefix A and the value 2,000 added to the corresponding ANSI standard chain number. For example, ANSI chain number 40 in the Double Pitch Drive Series is A2040.

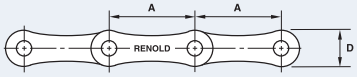
Conveyor Series
Renold Double Pitch conveyor chains are ideally suited for light- to medium-duty material handling applications. These chains are available in the C2000 (standard roller) and C2002 (large roller) series. Chains that are 1.5-inch pitch and larger use heavy-style link plates — for example, one size larger than standard chain. Conveyor Series Double Pitch chains are designated with the prefix C and by adding 2000 or 2002 to the ANSI standard chain number. The suffix H is added to chains with heavy-style link plates. For example, 60 Conveyor Series Double Pitch (1.5-inch pitch) is designated C2060H.

Standard Roller Conveyor Series
C2000 series chains have standard-size rollers that are the same diameter as the corresponding ANSI standard chain of half the pitch. Link plates are straight and unbeveled and the construction of the roller and link plates are identical to improve sliding wear properties.

Large Roller Conveyor Series
C2002 series chains are identical to the C2000 series, with the exception of large (oversize) rollers that project above and below the link plates to produce a rolling, rather than sliding, action. This minimizes friction across the supporting surface to reduce wear and power requirements in heavier-duty applications.

Sprockets for Double Pitch Chain
Specially made Double Pitch sprockets are recommended for use with Double Pitch chain. However, ANSI standard sprockets can be used provided they have at least 30 teeth. Since Double Pitch chains engage every other tooth, they can be indexed for longer sprocket life. Indexing must be done manually on sprockets with an odd number of teeth.

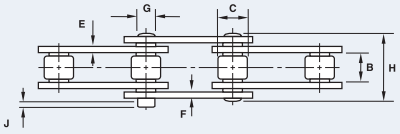


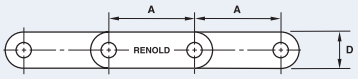


Double Pitch Drive Series Chain

Dimensions are in inches unless otherwise indicated.

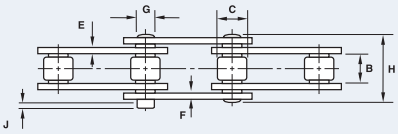
Chain No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
A2040	1.000	0.309	0.312	0.475	0.059	0.059	0.157	0.701	0.055	—	3,125	600	0.27
A2050	1.250	0.370	0.400	0.594	0.079	0.079	0.200	0.859	0.043	—	4,880	950	0.47
A2060	1.500	0.495	0.469	0.713	0.094	0.094	0.235	1.060	0.043	—	7,030	1,200	0.70
A2080	2.000	0.620	0.625	0.950	1.128	1.128	0.313	1.320	0.118	—	12,500	2,000	1.18

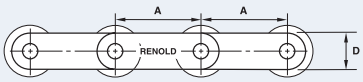




Double Pitch Conveyor Series Chain — Standard Roller

Chain No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
C2040	1.000	0.309	0.312	0.465	0.059	0.059	0.157	0.701	0.055	—	3,125	810	0.34
C2050	1.250	0.370	0.400	0.591	0.079	0.079	0.200	0.858	0.043	—	4,880	1,400	0.56
C2060H	1.500	0.495	0.469	0.701	0.128	0.128	0.235	1.126	0.043	—	7,030	2,200	0.97
C2080H	2.000	0.620	0.625	0.949	0.160	0.160	0.313	1.409	0.118	—	12,500	3,600	1.63
C2100H	2.500	0.748	0.750	1.134	0.189	0.189	0.376	1.669	0.165	—	19,530	5,500	2.33
C2120H	3.000	1.000	0.875	1.382	0.221	0.221	0.437	2.063	0.209	—	28,125	7,300	3.31
C2160H	4.000	1.240	1.125	1.886	0.287	0.287	0.563	2.583	0.256	—	50,000	12,600	5.38





Double Pitch Conveyor Series Chain — Large Roller

Chain No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
C2042	1.000	0.309	0.625	0.465	0.059	0.059	0.157	0.701	0.055	—	3,125	810	0.55
C2052	1.250	0.370	0.750	0.591	0.079	0.079	0.200	0.858	0.043	—	4,880	1,400	0.85
C2062H	1.500	0.495	0.875	0.701	0.128	0.128	0.235	1.126	0.043	—	7,030	2,200	1.36
C2082H	2.000	0.620	1.125	0.949	0.160	0.160	0.313	1.409	0.118	—	12,500	3,600	2.26
C2102H	2.500	0.748	1.562	1.134	0.189	0.189	0.376	1.669	0.165	—	19,530	5,500	3.80
C2122H	3.000	1.000	1.750	1.382	0.221	0.221	0.437	2.063	0.209	—	28,125	7,300	5.31
C2162H	4.000	1.240	2.250	1.886	0.287	0.287	0.563	2.583	0.256	—	50,000	12,600	8.60