

American Standard Double Pitch Roller Conveyor Chains

Conforming to ANSI B29.3 and B29.4



Double Pitch Roller Chains have twice the distance between rollers of corresponding standard roller chains. For example, ANSI No. 40 standard chain pitch is $\frac{1}{2}$ ", ANSI No. 2040 chain pitch is 1". Since double pitch chains contain only half as many rollers, bushings and pins, they have lighter weight and greater economy than comparable standard chains. They are suited for applications with slow-to-moderate speeds, medium loads and long distances between sprockets, including a variety of conveyor systems and material handling equipment. ANSI transmission series chains feature figure-8 side plates and standard size rollers.

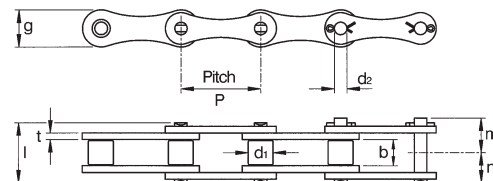
ANSI conveyor series have straight side plates and either standard size, or large rollers, which are also available in thermoplastic. Large rollers are approximately twice the diameter of standard rollers, they usually ride on tracks to reduce friction and the required horsepower, to extend chain life.

Double pitch chains are available in rivetted or cottered construction. A variety of attachments links, refer to page 24/25 can be fitted to all standard conveyor series chain. Also hollow pin, extended pin, and rollerless chains are available, with many chains offered in stainless steel or plated finish, refer to page 25.

Transmission Series Chains to ANSI B29.3



Figure-8 contour of the transmission series side plates keeps chain weight to a minimum, and permits use of sprockets with maximum hub diameters. Link plate thickness, pins, bushes and rollers are same as corresponding standard roller chain.



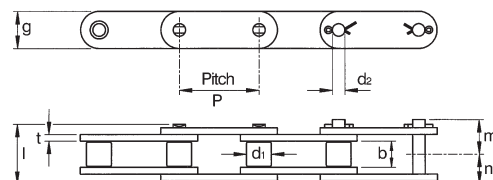
ANSI No.	Pitch P inches	Inside Width b min. mm	Roller Ø d1 max mm	Pin Ø d2 max mm	Plate Depth g mm	Plate Thickness t mm	Rivet Pin Length l max mm	Length to Cotter Pin m mm	Length to Rivet Pin n mm	Bearing Area cm ²	Tensile Strength N	Weight Approx. kg/m
2040	1	7.85	7.95	3.96	11.8	1.52	16.6	10.7	8.3	0.44	14,800	0.45
2050	1 1/4	9.40	10.16	5.08	15.0	2.04	20.2	14.3	10.1	0.70	24,400	0.67
2060	1 1/2	12.60	11.91	5.94	18.0	2.38	25.0	16.3	12.5	1.06	34,000	1.02
2080	2	15.80	15.88	7.92	24.0	3.18	32.6	18.8	16.3	1.79	64,500	1.65
2100	2 1/2	19.00	19.05	9.53	30.0	3.96	39.2	23.2	19.6	2.62	100,000	2.89

Conveyor Series Chains to ANSI B29.4 - Standard and Large Diameter Rollers

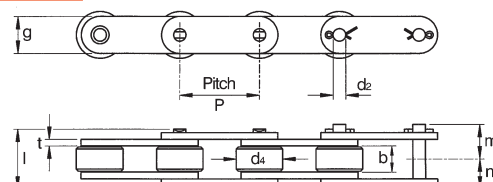
Conveyor series chains with standard size rollers have straight side plates for increased bearing area when sliding on guides or supporting products. Large size rollers support the chain and load, holding them off the track to minimise friction and

power requirements. Chains 1 1/2" pitch or greater have side plates of same thickness as corresponding ANSI heavy series roller chains.

Standard Roller Series



Large Roller Series



Thermoplastic Large Roller Series



These chains are identical to large Roller Series except that the rollers are of thermoplastic material, reducing weight by approximately one third. Horsepower requirements are lower, and thermoplastic large rollers run quietly and smoothly; are tough and wear-resistant; require no lubrication and have improved resistance to corrosion. Chains with thermoplastic rollers are not recommended for operation below -17°C or above 80°C.

ANSI/CAT. Part No.			Pitch P inches	Inside Width b min.	Standard Roller dia. d1 max.	Large Roller dia. d2 max.	Side Plate		Pin dia. d2 max.	Rivet Pin Length l	Length to Conn Pin m	Length to Rivet Pin n	Tensile Strength N	Approx. Weight kg/m		
Standard Roller	Large Roller	Thermo-plastic					Height g	Thickness t						Standard Roller	Large Roller	Thermo-plastic
C2040	C2042	C2042D	1	7.85	7.95	15.88	11.7	1.52	3.96	16.6	10.7	8.3	14,800	0.48	0.82	0.49
C2050	C2052	C2052D	1 1/4	9.40	10.16	19.05	15.0	2.04	5.08	20.2	14.3	10.1	24,400	0.79	1.25	0.81
C2060H	C2062H	C2062D	1 1/2	12.60	11.91	22.23	17.6	3.18	5.94	28.3	16.6	14.1	34,000	1.37	2.10	1.40
C2080H	C2082H	C2082D	2	15.80	15.88	28.58	22.4	3.96	7.92	35.9	20.4	17.9	64,500	2.26	3.29	2.27
C2100H	C2102H	-	2 1/2	19.00	19.05	39.70	29.2	4.75	9.53	42.5	24.9	21.2	100,000	3.42	5.58	-
C2120H	C2122H	-	3	25.25	22.23	44.45	34.8	5.54	11.10	52.7	30.8	26.3	130,000	5.50	8.50	-
C2160H	C2162H	-	4	31.55	28.58	57.15	47.5	7.14	14.27	66.1	38.7	33.1	227,000	8.70	13.30	-

All dimensions in mm except as indicated.

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