

# Double Pitch Chain

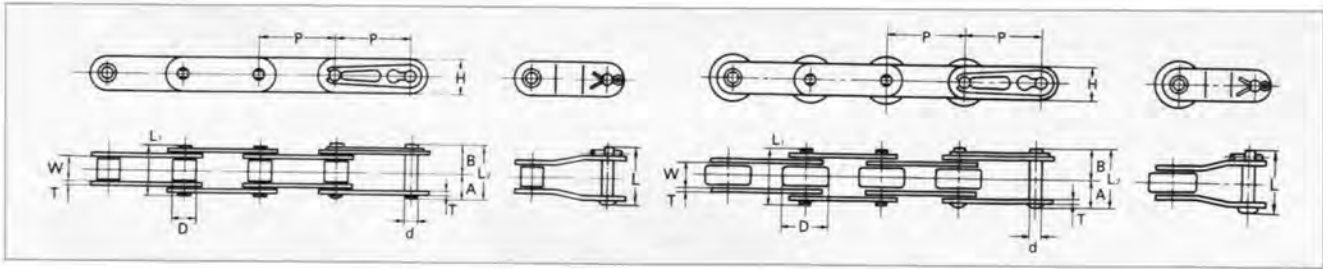


The double pitch roller chains for conveyor fall into two roller types: S types (KCM chain No. is suffixed with "0") and R types (KCM chain No. suffixed with "2") Using a variety of standard attachments, the double pitch roller chain can be used as a compact, high-precision conveyor. Nickel plated models as well as stainless steel models are also available.

**S Roller Type**



**R Roller Type**

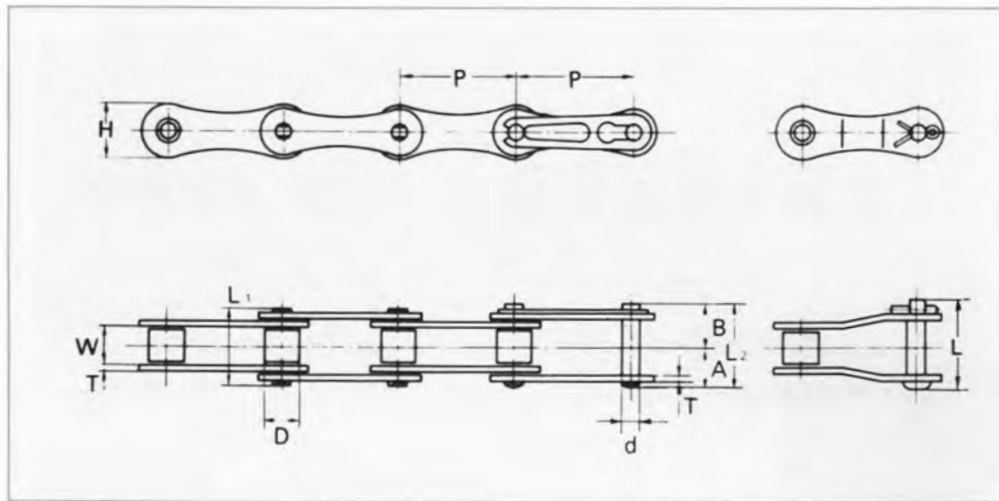


Dimensions (millimeters)

KCM Chain Number	Pitch P	Width between inner plates W	Roller diameter D	Pin						Link plate		Average Tensile strength kgf (kN)	Maximum Allowable Load kgf (kN)	Approx weight (kg/m)	Links of 1 unit
				Diameter d	A	B	(A+A) L <sub>1</sub>	(A+B) L <sub>2</sub>	Offset L	Thick-ness T	Height H				
<b>KCM C2040</b> <b>KCM C2042</b>	25.40	7.95	7.95 15.88	3.97	8.02	9.53	16.05	17.55	18.95	1.5	11.7	1,750 ( 17.2)	280 ( 2.75)	0.48 0.82	120
<b>KCM C2050</b> <b>KCM C2052</b>	31.75	9.53	10.16 19.05	5.09	10.15	11.60	20.30	21.75	23.00	2.0	14.6	2,850 ( 27.9)	450 ( 4.41)	0.79 1.25	96
<b>KCM C2060</b> <b>KCM C2062</b>	38.10	12.70	11.91 22.23	5.96	12.65	14.15	25.30	26.80	29.45	2.4	17.5	4,000 ( 39.5)	640 ( 6.28)	1.12 1.79	80
<b>KCM C2060H</b> <b>KCM C2062H</b>	38.10	12.70	11.91 22.23	5.96	14.25	15.75	28.50	30.00	32.65	3.2	17.5	4,000 ( 39.5)	640 ( 6.28)	1.43 2.11	80
<b>KCM C2080</b> <b>KCM C2082</b>	50.80	15.88	15.88 28.58	7.94	16.07	19.18	32.15	35.25	36.90	3.2	23.0	7,000 ( 68.6)	1,090 (10.69)	1.88 2.92	60
<b>KCM C2080H</b> <b>KCM C2082H</b>	50.80	15.88	15.88 28.58	7.94	17.70	20.80	35.40	38.50	40.15	4.0	23.0	7,000 ( 68.6)	1,090 (10.69)	2.37 3.41	60
<b>KCM C2100H</b> <b>KCM C2102H</b>	63.50	19.05	19.05 39.68	9.54	21.72	24.68	43.45	46.40	47.60	4.8	28.9	10,900 (106.9)	1,740 (17.06)	3.53 5.68	48
<b>KCM C2120H</b> <b>KCM C2122H</b>	76.20	25.40	22.23 44.45	11.11	26.85	30.25	53.70	57.10	59.30	5.6	35.0	15,200 (149.1)	2,440 (23.93)	4.75 7.40	40

NOTE: Connecting link for the KCM 80 or larger models use split pins.

Double-pitch roller chain, whose pitch is doubled compared to standard roller chain, employs parts of standard roller chain except for link plate. Therefore, the length and strength are the same, but the number of parts is reduced to a half, reducing weight and improving economy. This roller chain is suited for relatively long power transmission at low speed.



Dimensions (millimeters)

KCM Chain Number	Pitch P	Width between inner plates W	Roller diameter D	Pin						Link plate		Average Tensile strength kgf (kN)	Maximum Allowable Load kgf (kN)	Approx weight (kg/m)	Links of 1 unit
				Diameter d	A	B	(A + A) L <sub>1</sub>	(A + B) L <sub>2</sub>	Offset L	Thick-ness T	Height H				
<b>KCM A2040</b>	25.40	7.95	7.95	3.97	8.02	9.53	16.05	17.55	18.95	1.5	11.7	1,750 (17.2)	280 ( 2.75)	0.40	120
<b>KCM A2050</b>	31.75	9.35	10.16	5.09	10.15	11.60	20.30	21.75	23.00	2.0	14.6	2,850 (27.9)	450 ( 4.41)	0.65	96
<b>KCM A2060</b>	38.10	12.70	11.91	5.96	12.65	14.15	25.30	26.80	29.45	2.4	17.5	4,000 (39.5)	640 ( 6.28)	0.95	80
<b>KCM A2080</b>	50.80	15.88	15.88	7.94	16.07	19.18	32.15	35.25	36.90	3.2	23.0	7,000 (68.6)	1,090 (10.69)	1.74	60

NOTE: Connecting link for the A2080 or larger models use split pins.