

Double Pitch Roller Chains for Conveyor Use

These chains use straight link plates. They are divided into the large roller series and the small roller series, according to the outer diameter of the rollers used.

Small Roller series

(S Roller type)

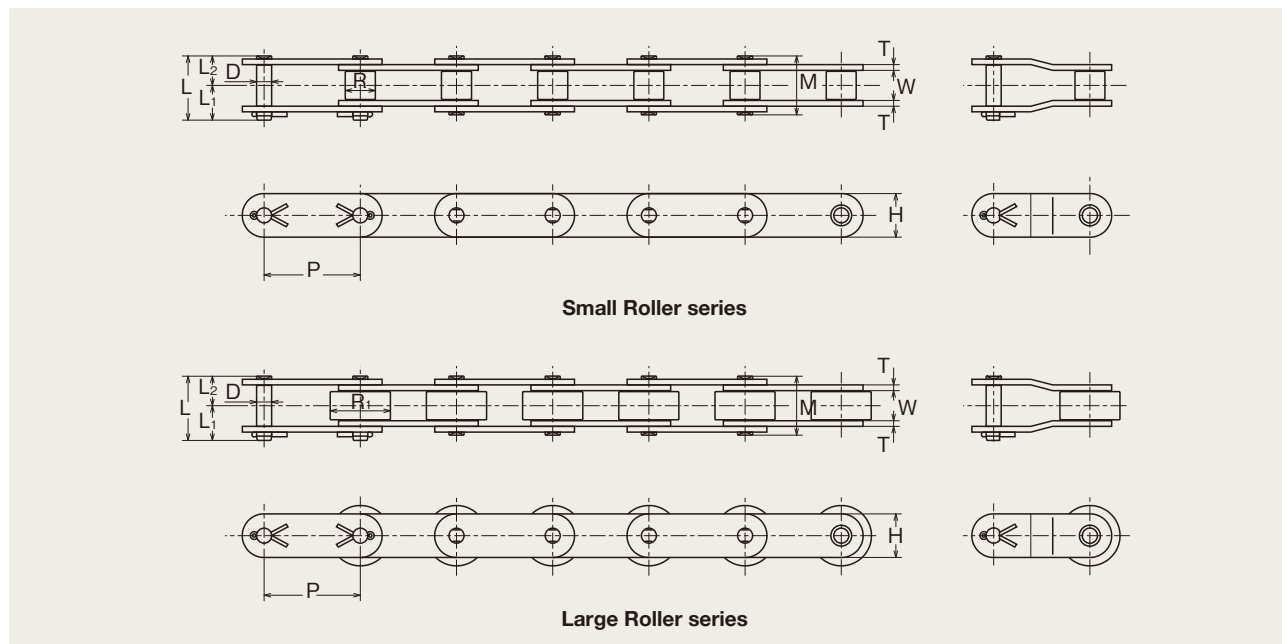
- Indicated by a "0" as the last digit of the chain number.
- The outer diameter of the roller is the same as for the standard roller chain on which it is based.
Ex.: The outer roller diameter for the C2040 is the same as that of the No.40 standard roller chain.
- Standard sprockets can be used if they have at least 30 teeth.
Ex.: The C2040 32-tooth sprocket (16 working teeth) can be used with the No.40 32-tooth standard sprocket.

Large Roller series

(R Roller type)

- Indicated by a "2" as the last digit of the chain number.
- The outer diameter of the roller is the same as for the standard roller chain which has the same pitch as the double pitch roller chain.
Ex.: The roller outer diameter of the C2042 is the same as that of the N0.80 standard roller chain, because the chain pitch is 25.4mm (the roller outer diameter is 15.88mm).
- Use specialized sprockets.

Dimensions of Double Pitch Roller Chains for Conveyor Use

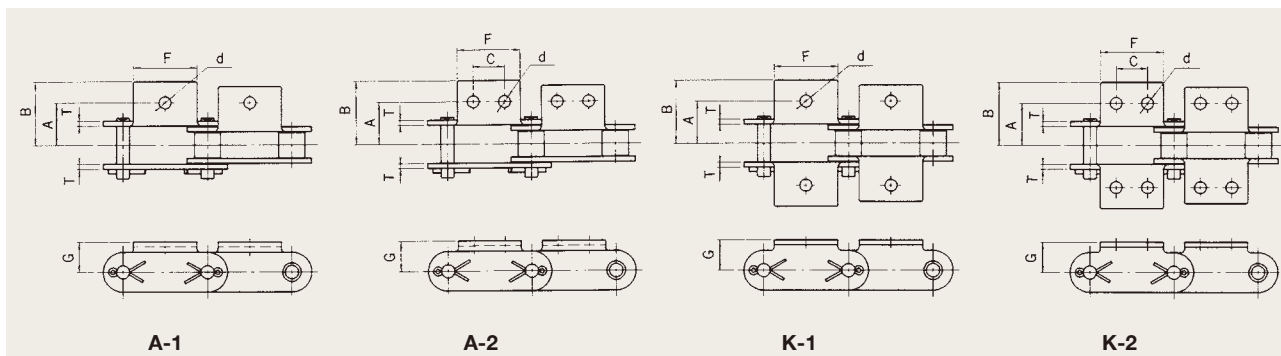


Chain No.	Pitch P (mm)	Roller		Inner Width W (mm)	Pin				Link Plate		Average Tensile Strength		Maximum Allowable Load		Mass (kg/m)	
		Outer Dia.(mm)			Dia. D (mm)	Length (mm)				Height H (mm)	Thickness T (mm)	Strength		Allowable Load		
		R	R ₁			M	L	L ₁	L ₂			(kN)	(kgf)	(kN)		(kgf)
C2040	25.4	7.92	—	7.95	3.96	16.5	18.5	10.3	8.2	11.4	1.5	16.9	1700	3.63	270	0.48
C2042		—	15.88													0.82
C2050	31.75	10.16	—	9.53	5.08	20.4	22.0	11.8	10.2	15.0	2.0	27.5	2800	6.28	440	0.82
C2052		—	19.05													1.26
C2060H	38.1	11.91	—	12.70	5.95	28.7	31.0	16.6	14.4	17.0	3.2	40.2	4100	8.63	640	1.38
C2062H		—	22.23													2.08
C2080H	50.8	15.88	—	15.88	7.93	35.5	38.8	21.0	17.8	22.6	4.0	68.6	7000	14.7	1090	2.32
C2082H		—	28.58													3.36
C2100H	63.5	19.05	—	19.05	9.53	42.2	45.7	24.6	21.1	28.6	4.8	107.9	11000	22.6	1740	3.46
C2102H		—	39.67													5.64
C2120H	76.2	22.23	—	25.40	11.10	52.6	57.0	30.7	26.3	34.9	5.6	151	15400	30.4	2440	4.92
C2122H		—	44.45													7.87
C2160H	101.6	28.58	—	31.75	14.28	67.7	72.9	39.0	33.9	47.6	7.2	257.9	26300	53.0	4170	8.02
C2162H		—	57.15													12.77

Note: Rivet pins are standard, but cotter pins may also be used.

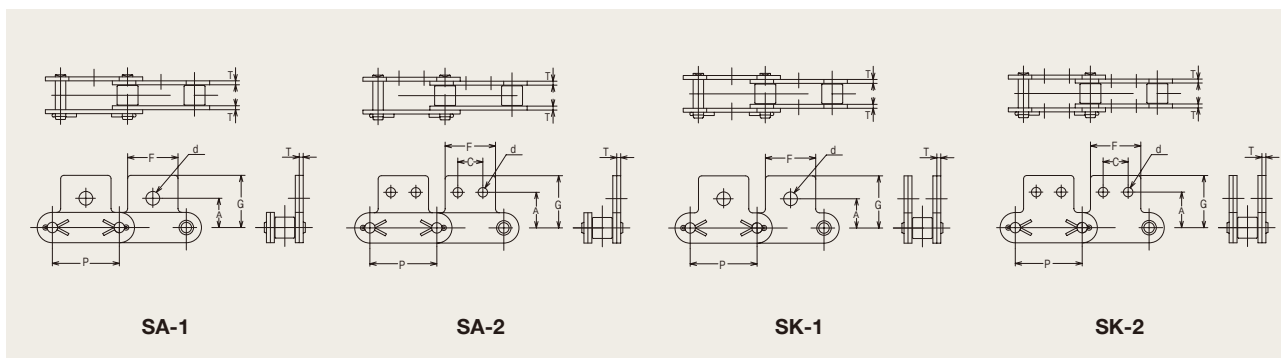
Attachment types and Dimensions

A-1, A-2, K-1, K-2 Attachments



Chain No.	Dimensions (mm)							Added Mass per Attachment (g)	
	A	B	C	d	F	G	T	A-1, A-2	K-1, K-2
C2040	12.7	19.1	9.5	3.6	19.1	9.1	1.5	3.2	6.4
C2042									
C2050	15.9	24.2	11.9	5.2	23.8	11.1	2.0	6.3	12.6
C2052									
C2060H	21.4	31.2	14.3	5.2	28.6	14.7	3.2	14.9	29.8
C2062H									
C2080H	27.8	40.6	19.1	6.8	38.1	19.1	4.0	31.5	63.0
C2082H									
C2100H	33.3	50.0	23.8	8.8	47.6	23.4	4.8	64.0	128.0
C2102H									
C2120H	39.7	61.9	28.6	10.5	57.2	27.8	5.6	102.0	204.0
C2122H									
C2160H	52.4	76.1	38.1	14.0	76.2	36.5	7.2	262.0	524.0
C2162H									

SA-1, SA-2, SK-1, SK-2 Attachments

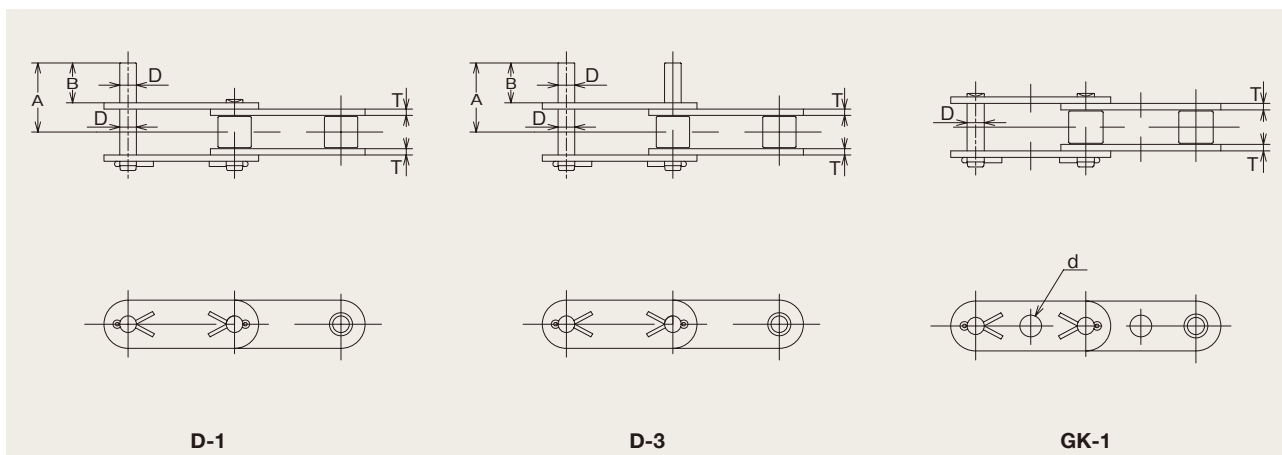


Chain No.	Dimensions (mm)								Added Mass per Attachment	
	A		C	d		F	G	T	SA-1 SA-2	SK-1 SK-2
	SA-1, SK-1	SA-2, SK-2		SA-1, SK-1	SA-2, SK-2					
C2040	11.1	13.5	9.5	5.2	3.6	19.1	19.8	1.5	2.7	5.4
C2042										
C2050	14.3	15.9	11.9	6.8	5.2	23.8	24.6	2.0	5.9	11.8
C2052										
C2060H	17.5	19.1	14.3	8.8	5.2	28.6	30.6	3.2	14.4	28.8
C2062H										
C2080H	22.2	25.4	19.1	10.5	6.8	38.1	40.2	4.0	31.5	63.0
C2082H										
C2100H	28.6	31.8	23.8	14.0	8.8	47.6	50.3	4.8	66.0	132.0
C2102H										
C2120H	33.3	37.3	28.6	16.0	10.5	57.2	61.1	5.6	97.0	194.0
C2122H										
C2160H	44.5	50.8	38.1	21.0	14.0	76.2	76.2	7.2	233.0	466.0
C2162H										



Steel Conveyor Chains

D-1, D-3, GK-1 Attachments



Chain No.	Dimensions (mm)					Added Mass per Attachment (g)	
	A	B	D	※d	T	D-1	D-3
			D-1, D-3	GK-1			
C2040	16.8	9.5	3.96	4.1	1.5	0.9	1.8
C2042							
C2050	21.1	11.9	5.08	6.4	2.0	1.8	3.6
C2052							
C2060H	27.5	14.3	5.95	6.4	3.2	3.0	6.0
C2062H							
C2080H	35.6	19.1	7.93	8.1	4.0	7.0	14.0
C2082H							
C2100H	43.2	23.8	9.53	10.1	4.8	12.0	24.0
C2102H							
C2120H	53.0	28.6	11.1	12.1	5.6	20.0	40.0
C2122H							
C2160H	69.0	38.1	14.28	—	7.2	44.0	88.0
C2162H							

※We also manufacture to special dimensions.