

The double pitch roller chains for conveyor fall into two roller types: S-type (KCM Chain No. is suffixed with "0") and R-type (KCM Chain No. is suffixed with "2").

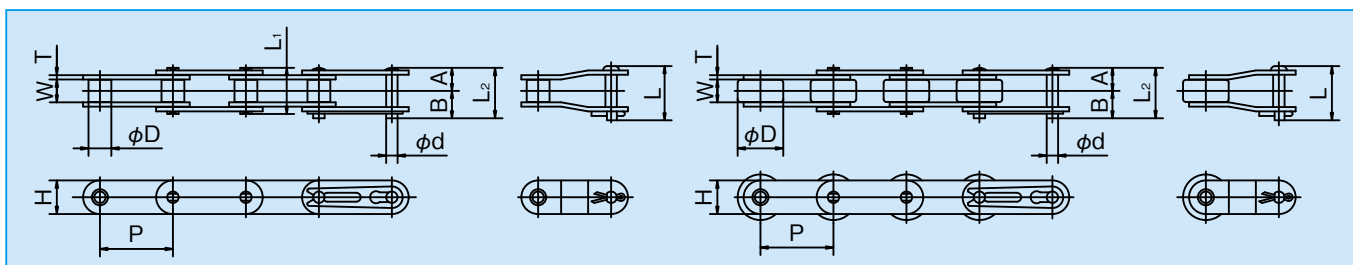
Using a variety of standard attachments, the double pitch roller chain can be used as a compact, high-precision conveyor.

Nickel plated models as well as stainless steel models are also available.

S Roller Type



R Roller Type



○ Dimensions

[Unit: mm]

KCM Chain No.	Pitch P	Width between Inner Plates W	Roller Dia. D	Pin						Link Plate		Ave. Tensile Strength kN (kgf)	Max. Allowable Load kN (kgf)	Approx. Weight (kg/m)	Links of 1 unit
				Dia. d	A	B	(A+A) L ₁	(A+B) L ₂	Offset L	Thickness T	Height H				
KCM C2040 KCM C2042	25.40	7.95	7.92 15.88	3.97	8.02	9.53	16.05	17.55	18.95	1.5	11.7	17.2(1,750)	2.65(270)	0.48 0.82	120
KCM C2050 KCM C2052	31.75	9.53	10.16 19.05	5.09	10.15	11.60	20.30	21.75	23.00	2.0	14.6	27.9(2,850)	4.31(440)	0.79 1.25	96
KCM C2060 KCM C2062	38.10	12.70	11.91 22.23	5.96	12.65	14.15	25.30	26.80	29.45	2.4	17.5	39.5(4,000)	6.28(640)	1.12 1.79	80
KCM C2060H KCM C2062H	38.10	12.70	11.91 22.23	5.96	14.25	15.75	28.50	30.00	32.65	3.2	17.5	39.5(4,000)	6.28(640)	1.43 2.11	80
KCM C2080 KCM C2082	50.80	15.88	15.88 28.58	7.94	16.07	19.18	32.15	35.25	36.90	3.2	23.0	68.6(7,000)	10.69(1,090)	1.88 2.92	60
KCM C2080H KCM C2082H	50.80	15.88	15.88 28.58	7.94	17.70	20.80	35.40	38.50	40.15	4.0	23.0	68.6(7,000)	10.69(1,090)	2.37 3.41	60
KCM C2100H KCM C2102H	63.50	19.05	19.05 39.67	9.54	21.72	24.68	43.45	46.40	48.30	4.8	28.9	106.9(10,900)	17.06(1,740)	3.53 5.68	48
KCM C2120H KCM C2122H	76.20	25.40	22.23 44.45	11.11	26.85	30.25	53.70	57.10	59.30	5.6	35.0	149.1(15,200)	23.93(2,440)	4.75 7.40	40

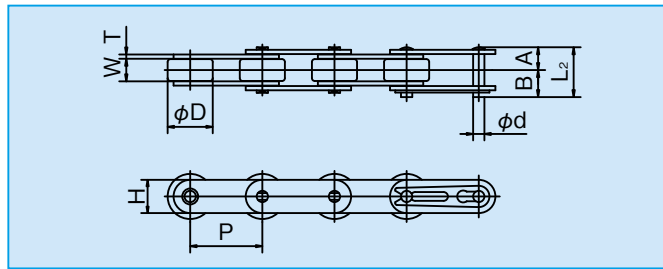
NOTES: - Connecting links for C2080 or larger models use split pins.

Sprockets: For S-roller type chains with teeth No. 29T (with 14 1/2 working teeth) or smaller, use the exclusively designed sprocket for double-pitch roller chains. For R-roller type chains, use the exclusively designed sprocket for R-roller type double pitch chains.

DL Type Double Pitch Roller Chain

DL type double pitch roller chain is another version of R type roller in which resin rollers are employed to reduce weight and travel noise. Nickel plated versions and stainless steel versions are also available. The DL type can be used with various attachments.

Resin Roller (DL)



○ Dimensions

[Unit: mm]

KCM Chain No.	Pitch P	Width between Inner Plates W	Roller Dia. D	Pin			Link Plate		Max. Allowable Load kN (kgf)	Approx. Weight (kg/m)	Links of 1 unit
				Dia. d	(A+A) L ₁	(A+B) L ₂	Thickness T	Height H			
KCM C2042 DL	25.40	7.95	15.88	3.97	16.05	17.55	1.5	11.7	0.44 (45)	0.49	120
KCM C2052 DL	31.75	9.53	19.05	5.09	20.30	21.75	2.0	14.6	0.69 (70)	0.80	96
KCM C2062 DL	38.10	12.70	22.23	5.96	25.30	26.80	2.4	17.5	1.03(105)	1.10	80
KCM C2062H DL					28.50	30.00	3.2				
KCM C2082 DL	50.80	15.88	28.58	7.94	32.15	35.25	3.2	23.0	1.77(180)	1.83	60
KCM C2082H DL					35.40	38.50	4.0				
KCM C2102H DL	63.50	19.05	39.67	9.54	43.45	46.40	4.8	28.9	2.55(260)	3.42	48
KCM C2122H DL	76.20	25.40	44.45	11.11	53.70	57.10	5.6	35.0	3.82(390)	4.66	40

NOTES: - Connecting links for C2080 or larger models use split pins.

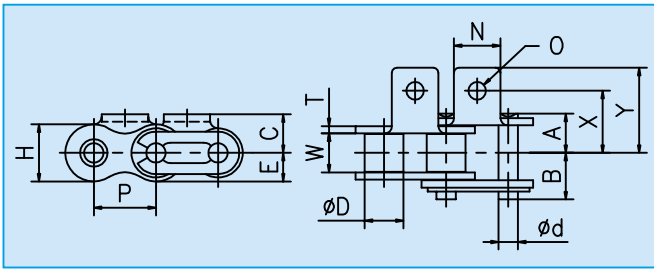
- **Sprockets:** For S-roller type chains with teeth No. 29T (with 14 1/2 working teeth) or smaller, use the exclusively designed sprocket for double-pitch roller chains. For R-roller type chains, use the exclusively designed sprocket for R-roller type double pitch chains.

The roller chains fitted with high-precision attachments are best suited for compact conveyors with small pitches and high precision transferring capability.

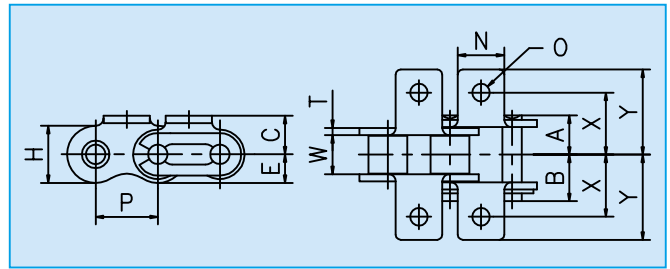
Standard Attachments



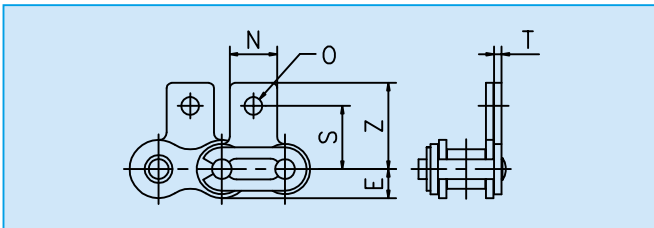
A-1 Attachments



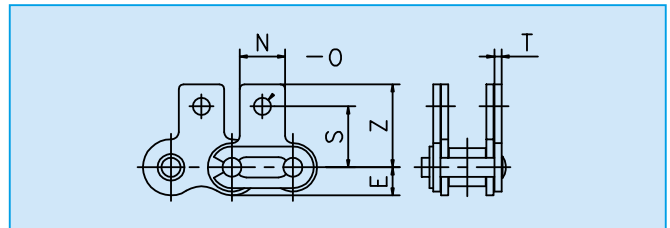
K-1 Attachments



SA-1 Attachments



SK-1 Attachments



○ Dimensions

[Unit: mm]

KCM Chain No.	Pitch P	Width between Inner Plates W	Roller Dia. D	Pin			Link Plate		Standard/Rustop (N)			Stainless steel (SS)		Links of 1 unit
				Dia. d	A	B	Thickness T	Height H	Ave. Tensile Strength kN (kgf)	Max. Allowable Load kN (kgf)	Approx. Weight (kg/m)	Max. Allowable Load kN (kgf)	Approx. Weight (kg/m)	
KCM 25	6.35	3.18	*3.30	2.31	3.80	4.40	0.75	5.8	4.1 (425)	0.64 (65)	0.15	0.12 (12)	0.16	480
KCM 35	9.525	4.78	*5.08	3.59	5.77	7.28	1.25	8.8	10.2 (1,040)	1.52 (155)	0.33	0.26 (27)	0.33	320
KCM 40	12.70	7.95	7.92	3.97	8.07	9.48	1.5	11.7	17.2 (1,750)	2.65 (270)	0.61	0.44 (45)	0.63	240
KCM 50	15.875	9.53	10.16	5.09	10.17	11.63	2.0	14.6	27.9 (2,850)	4.31 (440)	1.01	0.69 (70)	1.04	192
KCM 60	19.05	12.70	11.91	5.96	12.7	14.2	2.4	17.5	39.5 (4,000)	6.28 (640)	1.49	1.03 (105)	1.50	160
KCM 80	25.40	15.88	15.88	7.94	16.15	19.25	3.2	23.0	68.6 (7,000)	10.69 (1,090)	2.50	1.77 (180)	2.62	120
KCM 100	31.75	19.05	19.05	9.54	20.1	23.05	4.0	28.9	106.9 (10,900)	17.06 (1,740)	3.85	2.55 (260)	4.09	96
KCM 120	38.10	25.40	22.23	11.11	25.2	28.6	4.8	35.0	149.1 (15,200)	23.93 (2,440)	5.66	—	—	80

NOTE: Connecting links of KCM80 or larger models are of split pin type. Figures marked with asterisk * imply bush diameter.

○ Dimensions

[Unit: mm]

KCM Chain No.	Attachments									Additional Weight per Attachment (kg)	
	N	O	E	C	X	Y	S	Z	A, SA-1	K, SK-1	
KCM 25	5.6	3.4	2.9	4.75	7.15	10.7	7.95	11.9	0.0003	0.0006	
KCM 35	7.9	3.4	4.4	6.35	9.5	13.8	9.5	14.25	0.0009	0.0018	
KCM 40	9.5	3.6	5.8	7.9	12.7	17.4	12.7	17.3	0.0014	0.0028	
KCM 50	12.7	5.2	7.3	10.3	15.9	22.3	15.9	22.3	0.0032	0.0062	
KCM 60	15.9	5.2	8.8	11.9	19.05	27.2	18.3	26.3	0.0056	0.012	
KCM 80	19.1	6.8	11.5	15.9	25.4	35.2	24.6	34.2	0.013	0.026	
KCM 100	25.4	8.7	14.4	19.8	31.75	44.7	31.8	44.1	0.025	0.050	
KCM 120	28.6	10.3	17.5	23.0	38.1	52.5	36.55	50.9	0.038	0.076	

NOTE: KCM attachment chains are available in stainless steel in the same dimensions.

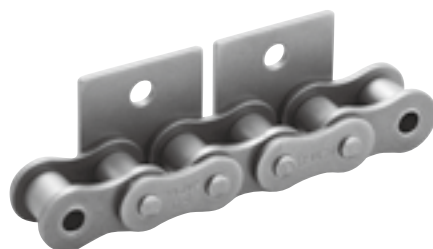
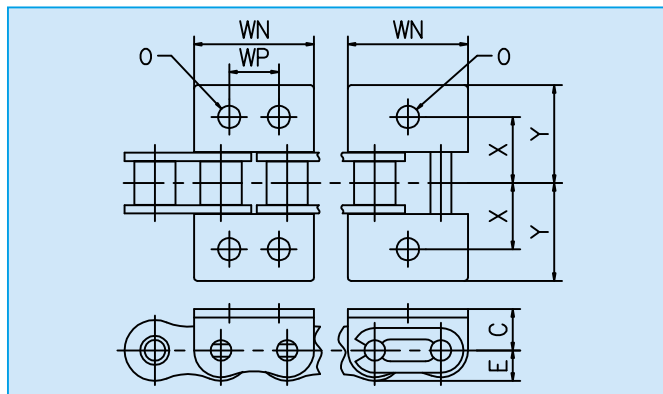
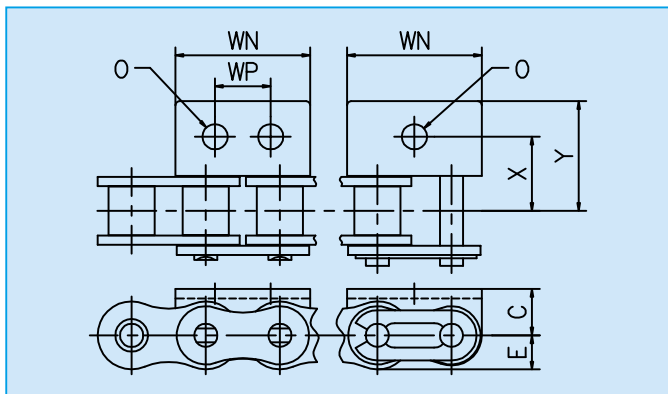
These attachments are a widened version of the standard attachments, which are suitable for large slat and metal pieces.

Wide Attachments



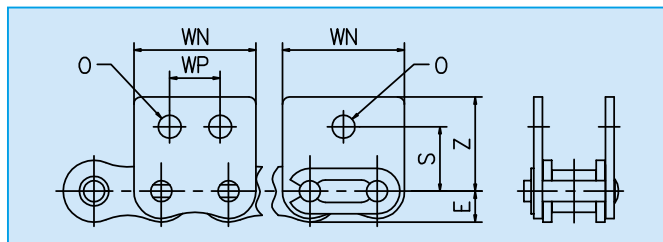
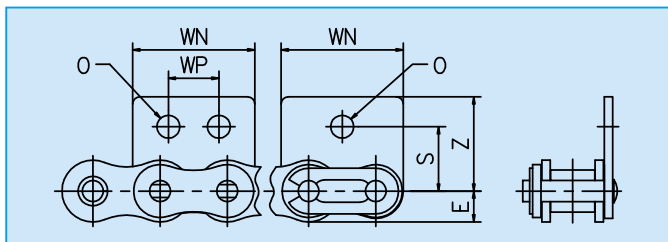
WA-1, WA-2 Attachments

WK-1, WK-2 Attachments



WSA-1, WSA-2 Attachments

WSK-1, WSK-2 Attachments



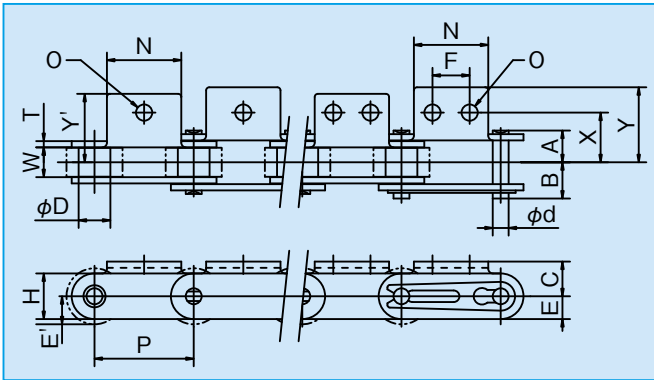
○ Dimensions

[Unit: mm]

KCM Chain No.	Attachments									Additional Weight per Attachment (kg)		Inner Link WN
	WN	WP	O	E	C	X	Y	S	Z	WA, WSA	WK, WSK	
KCM 40	23.0	9.5	4.5	5.05	7.9	12.7	17.4	12.5	17.3	0.003	0.006	24.4
KCM 50	28.8	11.9	5.5	7.3	10.3	15.9	23.0	15.9	22.6	0.007	0.014	30.475
KCM 60	34.6	14.3	6.6	8.8	11.9	19.05	28.2	18.3	26.7	0.013	0.026	36.55
KCM 80	46.1	19.1	9.0	10.35	15.9	25.4	36.6	24.6	35.4	0.030	0.060	48.4

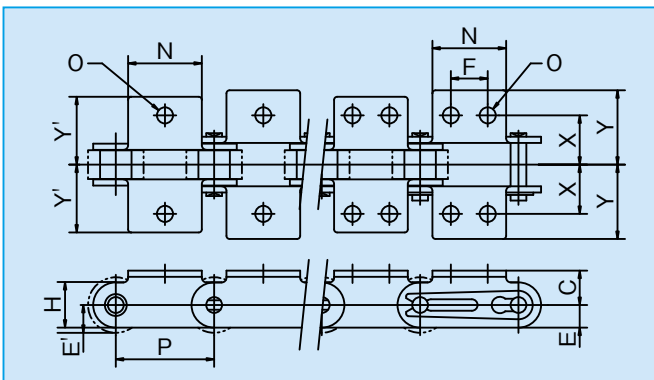
NOTE: KCM attachment chains are available in stainless steel in the same dimensions.

Standard Attachments



A-1 Attachments

K-1 Attachments



A-2 Attachments

K-2 Attachments



○ Dimensions

[Unit: mm]

KCM Chain No.	Pitch P	Width between Inner Plates W	Roller Dia. D	Pin			Link Plate		Standard/Rustop (N)			Stainless steel (SS)		Links of 1 unit
				Dia. d	A	B	Thickness T	Height H	Ave. Tensile Strength kN (kgf)	Max. Allowable Load kN (kgf)	Approx. Weight (kg/m)	Max. Allowable Load kN (kgf)	Approx. Weight (kg/m)	
KCM C2040 KCM C2042	25.40	7.95	7.92 15.88	3.97	8.05	9.6	1.5	11.7	17.2 (1,750)	2.63 (270)	0.48 0.82	0.44 (45)	0.49 0.83	120
KCM C2050 KCM C2052	31.75	9.53	10.16 19.05	5.09	10.15	11.65	2.0	14.6	27.9 (2,850)	4.31 (440)	0.79 1.25	0.69 (70)	0.83 1.28	96
KCM C2060 KCM C2062	38.10	12.70	11.91 22.23	5.96	12.70	15.40	2.4	17.5	39.5 (4,000)	6.28 (640)	1.12 1.79	1.03 (105)	1.19 1.88	80
KCM C2060H KCM C2062H	38.10	12.70	11.91 22.23	5.96	14.25	15.75	3.2	17.5	39.5 (4,000)	6.28 (640)	1.43 2.11	1.03 (105)	1.46 2.14	80
KCM C2080 KCM C2082	50.80	15.88	15.88 28.58	7.94	16.15	19.25	3.2	23.0	68.6 (7,000)	10.69 (1,090)	1.88 2.92	1.77 (180)	2.08 3.13	60
KCM C2080H KCM C2082H	50.80	15.88	15.88 28.58	7.94	17.70	20.80	4.0	23.0	68.6 (7,000)	10.69 (1,090)	2.37 3.41	1.77 (180)	2.44 3.50	60
KCM C2100H KCM C2102H	63.50	19.05	19.05 39.67	9.54	21.75	24.70	4.8	28.9	106.9 (10,900)	17.06 (1,740)	3.53 5.68	2.55 (260)	3.74 5.98	48

NOTE: Connecting links for the KCM C2080 or larger models use split pins.

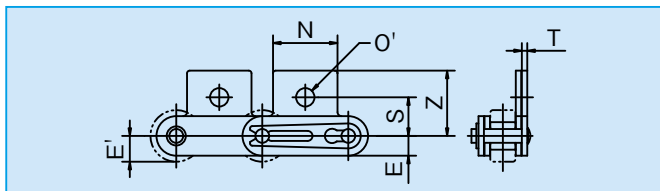
○ Dimensions

[Unit: mm]

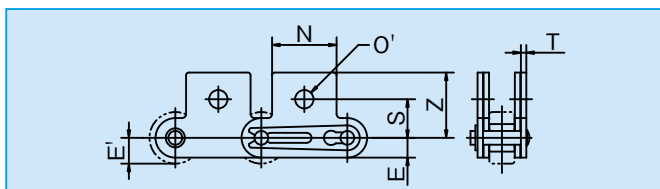
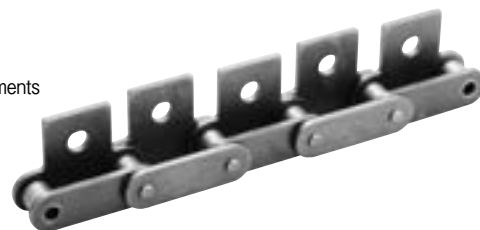
KCM Chain No.	Attachments									Additional Weight per Attachment (kg)	
	N	O	C	E(E')	X	PL side Y	RL side Y'	F	A-1, A-2	K-1, K-2	
KCM C2040 KCM C2042	19.1	3.6	9.1	5.9 (7.9)	12.7	19.0	17.4	9.5	0.003	0.006	
KCM C2050 KCM C2052	23.8	5.2	11.1	7.3 (9.5)	15.9	24.0	21.9	11.9	0.007	0.014	
KCM C2060 KCM C2062	28.6	5.2	14.7	8.8 (11.1)	21.45	29.6	27.0	14.3	0.013	0.026	
KCM C2060H KCM C2062H	28.6	5.2	14.7	8.8 (11.1)	21.45	31.8	28.4	14.3	0.016	0.032	
KCM C2080 KCM C2082	38.1	6.8	19.1	11.5 (14.3)	27.8	41.1	37.0	19.1	0.028	0.056	
KCM C2080H KCM C2082H	38.1	6.8	19.1	11.5 (14.3)	27.8	41.1	37.0	19.1	0.033	0.066	
KCM C2100H KCM C2102H	47.6	8.7	23.4	14.5 (19.8)	33.3	50.0	45.0	23.8	0.063	0.126	

NOTE: KCM attachment chains are available in stainless steel in the same dimensions.

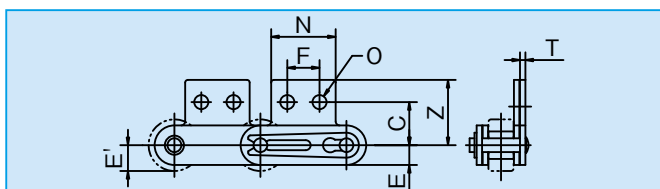
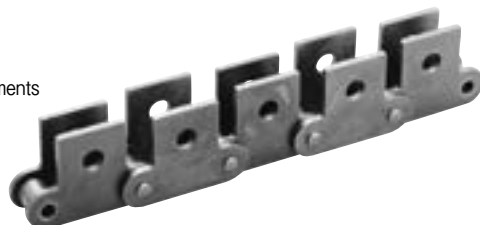
Standard Attachments



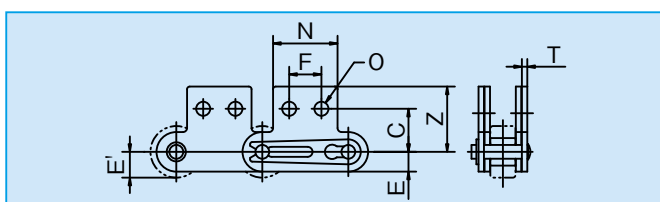
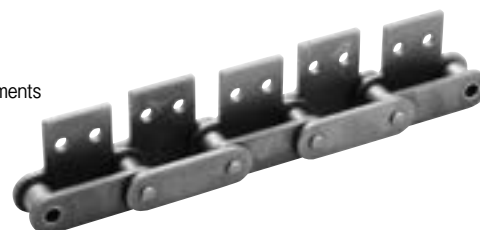
SA-1 Attachments



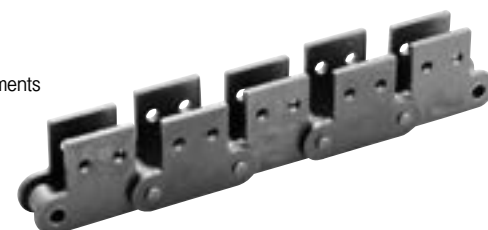
SK-1 Attachments



SA-2 Attachments



SK-2 Attachments



○ Dimensions

[Unit: mm]

KCM Chain No.	Attachments								Additional Weight per Attachment (kg)	
	N	O	O'	C	S	E(E')	Z	F	SA-1, SA-2	SK-1, SK-2
KCM C2040 KCM C2042	19.1	3.6	5.2	13.5	11.1	5.9 (7.9)	19.75	9.5	0.003	0.006
KCM C2050 KCM C2052	23.8	5.2	6.8	15.9	14.3	7.3 (9.5)	24.55	11.9	0.006	0.012
KCM C2060 KCM C2062	28.6	5.2	8.7	19.05	17.5	8.8 (11.1)	31.05	14.3	0.013	0.026
KCM C2060H KCM C2062H	28.6	5.2	8.7	19.05	17.5	8.8 (11.1)	31.05	14.3	0.016	0.032
KCM C2080 KCM C2082	38.1	6.8	10.3	25.4	22.2	11.5 (14.3)	40.8	19.1	0.027	0.055
KCM C2080H KCM C2082H	38.1	6.8	10.3	25.4	22.2	11.5 (14.3)	40.8	19.1	0.031	0.062
KCM C2100H KCM C2102H	47.6	8.7	13.5	31.75	28.6	14.5 (19.8)	50.8	23.8	0.053	0.106

NOTE: KCM attachment chains are available in stainless steel in the same dimensions.