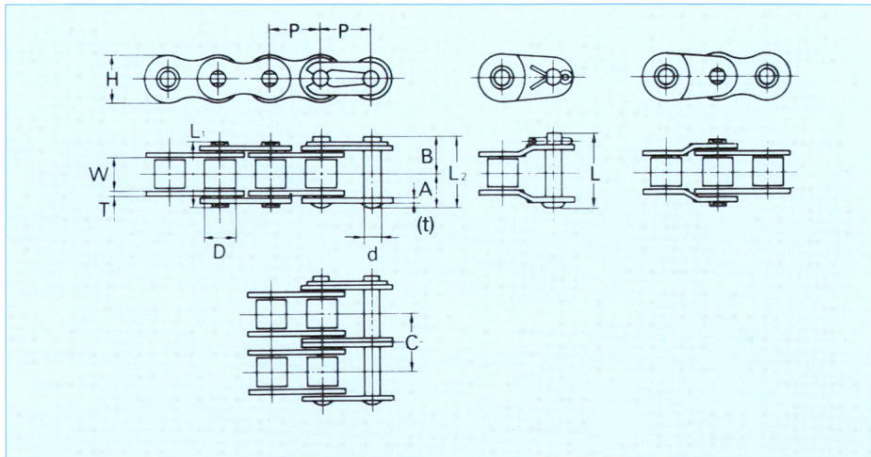


All KCM stainless steel (SS) chains are made of SUS304 (18 Cr/8 Ni) austenite stainless steel for use in operating environment requiring high thermal resistance (-20°C to 400°C), corrosion resistance and cleanliness. They can also be fitted with attachments for conveying purpose. The chains made of martensite and Precipitation hardening stainless steel are available too.

NOTE: SUS304 stainless steel is almost non-magnetic, which is almost nil magnetic property equivalent to that of the air. The KCM stainless steel roller chains have slight magnetic property as a result of cold manufacturing.



JIS B1801 Stainless Roller Chains

Dimensions (millimeters)

KCM Chain Number	Pitch P	Width between inner plates W	Roller diameter D	Pin					Link plate		Transverse pitch C	Maximum Allowable Load kgf (kN)	Approx weight (kg/m)	Links of 1 unit	
				Diameter d	A	B	(A+A) L ₁	(A+B) L ₂	Offset L	Thickness T					Height H
KCM 25 SS KCM 25 SS-2	6.35	3.18	* 3.30	2.31	3.82 7.03	4.83 8.02	7.65 14.05	8.65 15.05	—	0.75	5.8	6.4	12(0.12) 21(0.21)	0.14 0.26	480
KCM 35 SS KCM 35 SS-2	9.525	4.78	* 5.08	3.59	5.77 10.82	7.28 12.33	11.55 21.65	13.05 23.15	13.85 23.95	1.25	8.8	10.1	27(0.26) 46(0.45)	0.33 0.65	320
KCM 40 SS KCM 40 SS-2	12.70	7.95	7.95	3.97	8.07 15.27	9.48 16.68	9.48 30.55	17.55 31.95	19.05 33.45	1.5	11.7	14.4	45(0.44) 77(0.76)	0.63 1.19	240
KCM 50 SS KCM 50 SS-2	15.875	9.53	10.16	5.09	10.17 19.22	11.63 20.68	20.35 38.45	21.80 39.90	23.05 41.15	2.0	14.6	18.1	70(0.69) 119(1.17)	1.04 2.01	192
KCM 60 SS KCM 60 SS-2	19.05	12.70	11.91	5.96	12.7 24.10	14.2 25.60	25.40 48.20	26.90 49.70	29.55 52.35	2.4	17.5	22.8	105(1.03) 179(1.76)	1.50 2.95	160
KCM 80 SS KCM 80 SS-2	25.40	15.88	15.88	7.94	16.15 30.80	19.25 33.90	32.30 61.60	35.40 64.70	37.10 66.40	3.2	23.0	29.3	180(1.77) 306(3.00)	2.62 5.12	120

NOTES: • Figures marked with * imply bush diameter.
• For the KCM 25SS, only two-pitch offset links are available.
• For dimensions of the attachments, refer to pages 30 to 31.
• Links of the KCM 80SS use split pins.

ISO-B Stainless Roller Chains

Dimensions (millimeters)

KCM Chain Number	Pitch P	Width between inner plates W	Roller diameter D	Pin					Link plate		Transverse pitch C	Maximum Allowable Load kgf (kN)	Approx weight (kg/m)	Links of 1 unit	
				Diameter d	A	B	(A+A) L ₁	(A+B) L ₂	Offset L	Thickness T					Height H
KCM 04 SS	6.00	2.80	4.00	1.85	3.23	4.12	6.45	7.35	—	0.6	4.9	—	6(0.06)	0.11	834
KCM 05B SS KCM 05B SS-2	8.00	3.00	5.00	2.31	3.82 6.65	4.83 7.65	7.65 13.30	8.65 14.30	—	0.75	7.1	5.64	12(0.12) 21(0.21)	0.18 0.34	626
KCM 06B SS KCM 06B SS-2	9.525	5.72	6.35	3.28	6.1 11.22	7.6 12.73	12.20 22.45	13.70 23.95	15.15 25.40	1.3(1.0)	8.1	10.24	27(0.26) 46(0.45)	0.39 0.77	320
KCM 08B SS KCM 08B SS-2	12.70	7.75	8.51	4.45	8.17 15.12	9.58 16.53	16.35 30.25	17.75 31.65	19.30 33.20	1.5	11.7	13.92	45(0.44) 77(0.76)	0.65 1.25	240
KCM 10B SS KCM 10B SS-2	15.875	9.65	10.16	5.08	9.58 17.87	11.02 19.33	19.15 35.75	20.60 37.20	21.95 38.55	1.65	14.6	16.59	70(0.70) 119(1.17)	0.94 1.84	192
KCM 12B SS KCM 12B SS-2	19.05	11.68	12.07	5.72	11.05 20.77	12.55 22.28	22.10 41.55	23.60 43.05	26.30 45.75	1.8	16.0	19.46	105(1.00) 179(1.76)	1.25 2.44	160
KCM 16B SS KCM 16B SS-2	25.40	17.02	15.88	8.28	17.6 33.55	20.7 36.65	35.20 67.10	38.30 70.20	41.65 73.55	4.0(3.2)	19.7	31.88	180(1.77) 306(3.00)	2.63 5.19	120

NOTES: • 04SS, 05BSS offset link is 2-pitch type.
• Joint links of 16BSS is split pin type.