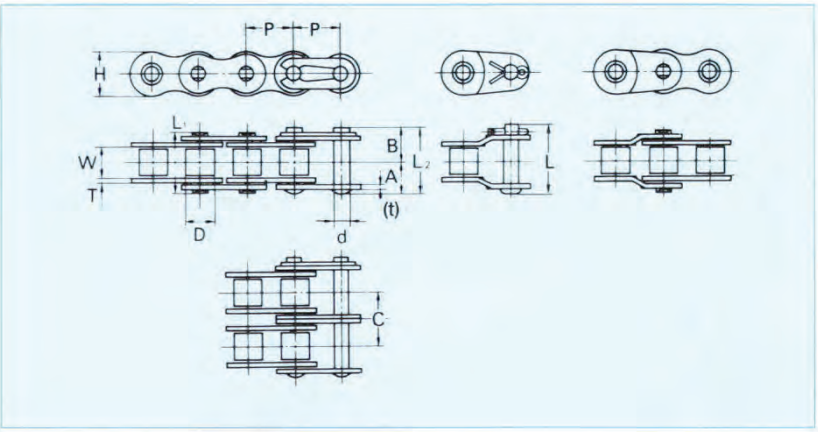
All KCM stainless steel (ss) chains are made of SUS304 (18 CR/8 Nil) austenite steel for use in operating environment requiring high thermal resistance (-20*C to 400*C), corrosion resistance and cleanliness. They can also be fitted with attachments for conveying purpose.

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 Diameter d	Pin A	Pin B	Pin (A+A) L_1	Pin (A+B) L_2	Pin Offset L	Link plate Thickness T	Link plate Height H	Transverse pitch C	Maximum Allowable Load kgf (kN)	Approx weight (kg/m)	Links of 1 unit
KCM 25 SS	6.35	3.18	*3.30	2.31	3.82	4.83	7.65	8.65	—	0.75	5.8	6.4	12(0.12)	0.14	480
KCM 25 SS-2					7.03	8.02	14.05	15.05	—				21(0.21)	0.26	
KCM 35 SS	9.525	4.78	*5.08	3.59	5.77	7.28	11.55	13.05	13.85	1.25	8.8	10.1	27(0.26)	0.33	320
KCM 35 SS-2					10.82	12.33	21.65	23.15	23.95				46(0.45)	0.65	
KCM 40 SS	12.70	7.95	7.95	3.97	8.07	9.48	16.15	17.55	19.05	1.5	11.7	14.4	45(0.44)	0.63	240
KCM 40 SS-2					15.27	16.68	30.55	31.95	33.45				77(0.76)	1.19	
KCM 50 SS	15.875	9.53	10.16	5.09	10.17	11.63	20.35	21.80	23.05	2.0	14.6	18.1	70(0.69)	1.04	192
KCM 50 SS-2					19.22	20.68	38.45	39.90	41.15				119(1.17)	2.01	
KCM 60 SS	19.05	12.70	11.91	5.96	12.7	14.2	25.40	26.90	29.55	2.4	17.5	22.8	105(1.03)	1.50	160
KCM 60 SS-2					24.10	25.60	48.20	49.70	52.35				179(1.76)	2.95	
KCM 80 SS	25.40	15.88	15.88	7.94	16.15	19.25	32.30	35.40	37.10	3.2	23.0	29.3	180(1.77)	2.62	120
KCM 80 SS-2					30.80	33.90	61.60	64.70	66.40				306(3.00)	5.12	

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 Diameter d	Pin A	Pin B	Pin (A+A) L_1	Pin (A+B) L_2	Pin Offset L	Link plate Thickness T	Link plate Height H	Transverse pitch C	Maximum Allowable Load kgf (kN)	Approx weight (kg/m)	Links of 1 unit
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	8.00	3.00	5.00	2.31	3.82	4.83	7.65	8.65	—	0.75	7.1	5.64	12(0.12)	0.18	626
KCM 05B SS-2					6.65	7.65	13.30	14.30	—				21(0.21)	0.34	
KCM 06B SS	9.525	5.72	6.35	3.28	6.1	7.6	12.20	13.70	15.15	1.3(1.0)	8.1	10.24	27(0.26)	0.39	320
KCM 06B SS-2					11.22	12.73	22.45	23.95	25.40				46(0.45)	0.77	
KCM 08B SS	12.70	7.75	8.51	4.45	8.17	9.58	16.35	17.75	19.30	1.5	11.7	13.92	45(0.44)	0.65	240
KCM 08B SS-2					15.12	16.53	30.25	31.65	33.20				77(0.76)	1.25	
KCM 10B SS	15.875	9.65	10.16	5.08	9.58	11.02	19.15	20.60	21.95	1.65	14.6	16.59	70(0.70)	0.94	192
KCM 10B SS-2					17.87	19.33	35.75	37.20	38.55				119(1.17)	1.84	
KCM 12B SS	19.05	11.68	12.07	5.72	11.05	12.55	22.10	23.60	26.30	1.8	16.0	19.46	105(1.00)	1.25	160
KCM 12B SS-2					20.77	22.28	41.55	43.05	45.75				179(1.76)	2.44	
KCM 16B SS	25.40	17.02	15.88	8.28	17.6	20.7	35.20	38.30	41.65	4.0(3.2)	19.7	31.88	180(1.77)	2.63	120
KCM 16B SS-2					33.55	36.65	67.10	70.20	73.55				306(3.00)	5.19	

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

Every effort has been taken to ensure that the data listed in this catalogue is correct.
Finer Power Transmissions P/L will not accept liability for any damage or loss caused as a result of the data in this catalogue.