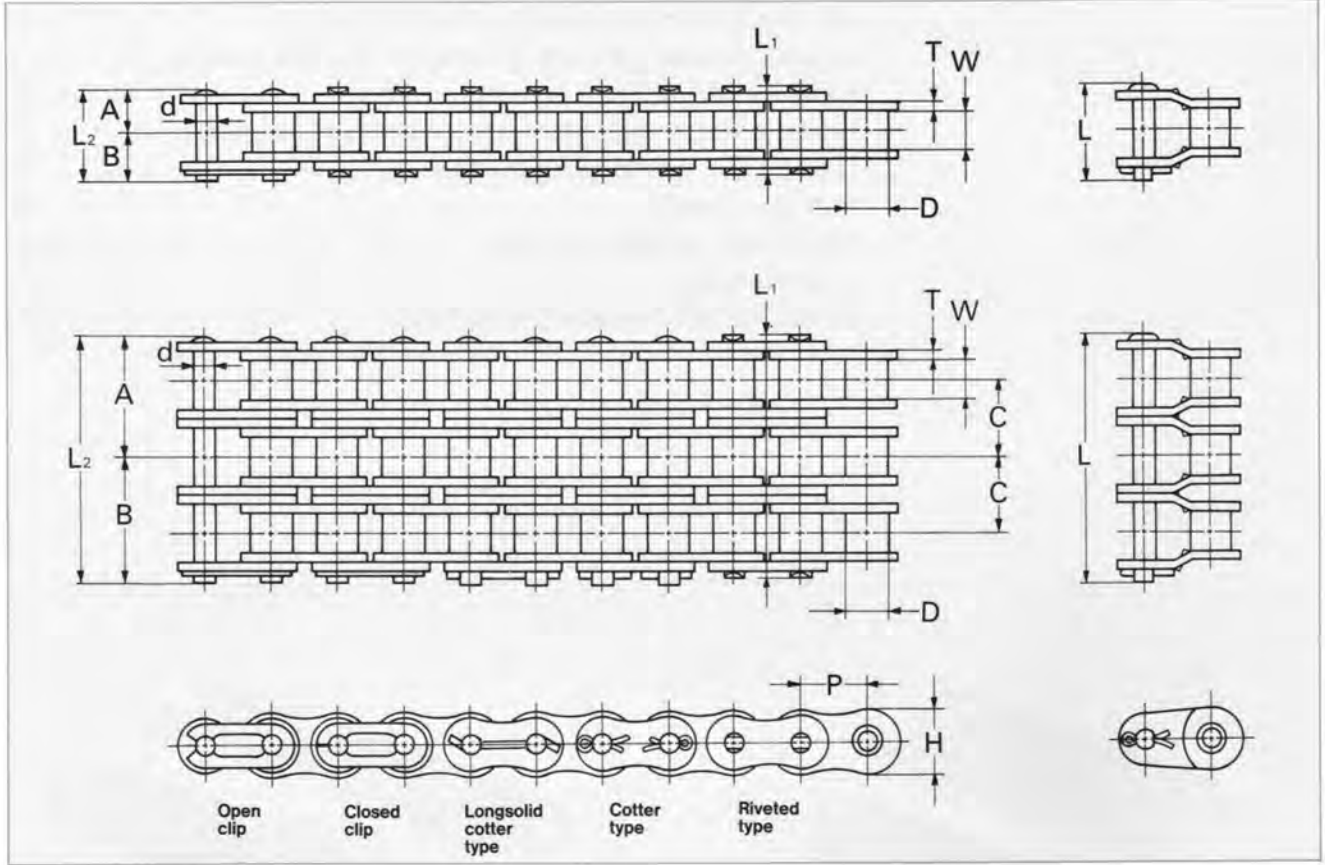


# ANSI Standard Roller Chain



13 types of KCM standard rollers, conforming to JIS and ANSI, chains are available.



Dimensions (millimeters)

Chain No.	Pitch	Width between inner plates	Roller diameter	Pin					Link plate		JIS&ANSI Tensile strength	Average Tensile strength	Maximum Allowable Load	Approx weight	Links of 1 unit		
				Diameter	A	B	(A + A)	(A + B)	Offset	Thickness						Height	
KCM	JIS&ANSI	P	W	d	A	B	L <sub>1</sub>	L <sub>2</sub>	L	T	H	kgf (kN)	kgf (kN)	kgf (kN)	(kg/m)		
25	25	6.35	3.18	* 3.30	2.31	3.80	4.80	7.60	8.60		0.75	5.8	357 ( 3.5)	450 ( 4.4)	65 ( 0.64)	0.13	480
35	35	9.525	4.78	* 5.08	3.59	5.70	7.10	11.40	12.80	13.65	1.25	8.8	806 ( 7.9)	1,100 ( 10.8)	220 ( 2.16)	0.33	320
41	41	12.70	6.38	7.77	3.59	6.52	7.93	13.05	14.45	14.95	1.25	9.5	683 ( 6.7)	1,200 ( 11.8)	230 ( 2.26)	0.40	240
40	40	12.70	7.95	7.95	3.97	8.02	9.53	16.05	17.55	18.95	1.5	11.7	1,407 ( 13.8)	1,850 ( 18.1)	370 ( 3.63)	0.61	240
50	50	15.875	9.53	10.16	5.09	10.15	11.60	20.30	21.75	23.00	2.0	14.6	2,223 ( 21.8)	3,050 ( 29.9)	650 ( 6.37)	1.01	192
60	60	19.05	12.70	11.91	5.96	12.65	14.15	25.30	26.80	29.45	2.4	17.5	3,172 ( 31.1)	4,200 ( 41.2)	900 ( 8.83)	1.49	160
80	80	25.40	15.88	15.88	7.94	16.07	19.18	32.15	35.25	36.90	3.2	23.0	5,670 ( 55.6)	7,400 ( 72.6)	1,500 ( 14.71)	2.50	120
100	100	31.75	19.05	19.05	9.54	20.10	23.05	40.20	43.15	45.05	4.0	28.9	8,841 ( 86.7)	11,500 ( 112.8)	2,300 ( 22.56)	3.85	96
120	120	38.10	25.40	22.23	11.11	25.20	28.60	50.40	53.80	55.90	4.8	35.0	12,706 ( 124.6)	16,000 ( 156.9)	3,100 ( 30.40)	5.66	80
140	140	44.45	25.40	25.40	12.71	27.30	31.30	54.60	58.60	60.50	5.6	40.7	17,233 ( 169.0)	21,500 ( 210.8)	4,100 ( 40.21)	7.19	68
160	160	50.80	31.75	28.58	14.29	32.45	37.15	64.90	69.60	71.85	6.4	46.7	22,678 ( 222.4)	27,500 ( 269.7)	5,400 ( 52.96)	9.63	60
200	200	63.50	38.10	39.68	19.86	39.65	46.65	79.30	86.30	89.20	8.0	58.4	35,384 ( 347.0)	48,000 ( 470.7)	7,300 ( 71.59)	15.97	48
240	240	76.20	47.63	47.63	23.81	48.20	55.60	96.40	103.80	107.00	9.5	72.4	51,027 ( 500.4)	70,000 ( 686.5)	10,100 ( 99.05)	24.50	40

NOTES: - KCM 25 offset link is 2-pitch type.  
 - Asterisk (\*) implies bush diameter.  
 - Connecting links of KCM 25 to KCM 60 are clip type. (Both open and closed clips are available.)  
 - Connecting links of KCM 80 or larger models are split pin type.



# ANSI Standard Roller Chain (Multiple Strand Type)

12 types of multiple roller chains, conforming to JIS and ANSI, are available.

Dimensions (millimeters)

Chain No.	Pitch	Width between inner plates W	Roller diameter D	Pin					Link plate		Transverse pitch C	JIS&ANSI Tensile strength kgf (kN)	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	Thickness T							Height H		
25-2	25-2	6.35	3.18	*3.30	2.31	7.00	8.00	14.00	15.00		0.75	5.8	6.4	714( 7.0)	900( 8.8)	110( 1.08)	0.26	480	
25-3	25-3					10.20	11.20	20.40	21.40						1,071( 10.5)	1,350( 13.2)	160( 1.57)		0.39
35-2	35-2	9.525	4.78	*5.08	3.59	10.75	12.15	21.50	22.90	23.75	1.25	8.8	10.1	1,612( 15.8)	2,200( 21.6)	370( 3.63)	0.64	320	
35-3	35-3					15.80	17.20	31.60	33.00	33.85					2,418( 23.7)	3,300( 32.4)	550( 5.39)		0.95
40-2	40-2	12.70	7.95	7.95	3.97	15.22	16.73	30.45	31.95	33.35	1.5	11.7	14.4	2,814( 27.6)	3,700( 36.3)	630( 6.17)	1.19	240	
40-3	40-3					22.42	23.93	44.85	46.35	47.75					4,221( 41.4)	5,550( 54.4)	930( 9.11)		1.79
40-4	40-4					29.62	31.13	59.25	60.75	62.15					5,628( 55.2)	7,400( 72.6)	1,220( 11.96)		2.38
40-5	40-5					36.82	38.33	73.65	75.15	76.55					7,035( 69.0)	9,250( 90.7)	1,440( 14.12)		2.96
50-2	50-2					19.20	20.65	38.40	39.85	41.10					4,446( 43.6)	6,100( 59.8)	1,100( 10.79)		2.01
50-3	50-3	15.875	9.53	10.16	5.09	28.25	29.70	56.50	57.95	59.20	2.0	14.6	18.1	6,669( 65.4)	9,150( 89.7)	1,620( 15.89)	2.99	192	
50-4	50-4					37.30	38.75	74.60	76.05	77.30					8,892( 87.2)	12,200( 119.6)	2,150( 21.08)		3.99
50-5	50-5					46.35	47.80	92.70	94.15	95.40					11,115( 109.0)	15,250( 149.6)	2,530( 24.81)		4.99
60-2	60-2					24.05	25.55	48.10	49.60	52.25					6,344( 62.2)	8,400( 82.4)	1,530( 15.00)		2.95
60-3	60-3	19.05	12.70	11.91	5.96	35.45	36.95	70.90	72.40	75.05	2.4	17.5	22.8	9,518( 93.3)	12,600( 123.5)	2,250( 22.06)	4.41	160	
60-4	60-4					46.85	48.35	93.70	95.20	97.05					12,688( 124.4)	16,800( 164.6)	2,950( 28.93)		5.83
60-5	60-5					58.25	59.75	116.50	118.00	119.85					15,860( 155.5)	21,000( 205.8)	3,500( 34.32)		7.32
60-6	60-6					69.65	71.15	139.30	140.80	142.65					19,032( 186.6)	25,200( 247.0)	4,150( 40.70)		8.78
80-2	80-2					30.72	33.83	61.45	64.55	66.20					11,340( 111.2)	14,800( 145.0)	2,550( 25.01)		4.96
80-3	80-3					45.37	48.48	90.75	93.85	95.50					17,010( 166.8)	22,200( 217.7)	3,750( 36.77)		7.40
80-4	80-4	25.40	15.88	15.88	7.94	60.02	63.13	120.05	123.15	124.00	3.2	23.0	29.3	22,680( 222.4)	29,600( 290.3)	4,950( 48.54)	9.84	120	
80-5	80-5					74.67	77.78	149.35	152.45	153.30					28,350( 278.0)	37,000( 362.8)	5,850( 57.37)		12.29
80-6	80-6					89.32	92.43	178.65	181.75	182.60					34,020( 333.6)	44,400( 435.4)	7,350( 72.08)		14.73
100-2	100-2					38.00	40.95	76.00	78.95	80.85					17,682( 173.4)	23,000( 225.6)	3,900( 38.25)		7.62
100-3	100-3	31.75	19.05	19.05	9.54	55.90	58.85	111.80	114.75	116.50	4.0	28.9	35.8	26,523( 260.1)	34,500( 338.3)	5,750( 56.39)	11.38	96	
100-4	100-4					73.80	76.75	147.60	150.55	151.75					35,364( 346.8)	46,000( 451.1)	7,550( 74.04)		15.15
100-5	100-5					91.70	94.65	183.40	186.35	187.55					44,205( 433.5)	57,500( 563.9)	8,950( 87.77)		18.91
100-6	100-6					119.60	122.55	239.20	242.15	223.35					53,046( 520.2)	69,000( 676.7)	11,200( 109.83)		22.68
120-2	120-2					47.90	51.30	95.80	99.20	100.70					25,412( 249.2)	32,000( 313.8)	5,250( 51.48)		11.21
120-3	120-3					70.60	74.00	141.20	144.60	146.10					38,118( 373.8)	48,000( 470.7)	7,750( 76.00)		16.74
120-4	120-4	38.10	25.40	22.23	11.11	93.30	96.70	186.60	190.00	191.50	4.8	35.0	45.4	50,824( 498.4)	64,000( 627.6)	10,200( 100.03)	22.28	40	
120-5	120-5					116.00	119.40	232.00	235.40	236.90					63,530( 623.0)	80,000( 784.5)	12,050( 118.17)		27.83
120-6	120-6					138.70	142.10	277.40	280.80	282.30					76,236( 747.6)	96,000( 941.4)	15,150( 148.57)		33.36
140-2	140-2					51.75	55.75	103.50	107.50	108.95					34,466( 338.0)	43,000( 421.7)	6,970( 68.31)		14.24
140-3	140-3	44.45	25.40	25.40	12.71	76.20	80.20	152.40	156.40	157.85	5.6	40.7	48.9	51,699( 507.0)	64,500( 632.5)	10,250( 100.52)	21.30	34	
140-4	140-4					100.65	104.65	201.30	205.30	206.75					68,932( 676.0)	86,000( 843.4)	13,500( 132.39)		28.33
160-2	160-2					61.70	66.40	123.40	128.10	130.35					45,356( 444.8)	55,000( 539.4)	9,150( 89.73)		19.06
160-3	160-3	50.80	31.75	28.58	14.29	90.95	95.65	181.90	186.60	188.85	6.4	46.7	58.5	68,034( 667.2)	82,500( 809.0)	13,500( 132.39)	28.50	30	
160-4	160-4					120.20	124.90	240.40	245.10	247.35					90,712( 889.6)	110,000( 1078.7)	17,800( 174.56)		37.93
200-2	200-2	63.50	38.10	39.68	19.85	75.45	82.45	150.90	157.90	160.80	8.0	58.4	71.6	70,768( 694.0)	96,000( 941.4)	12,400( 121.60)	31.59	24	
200-3	200-3					111.25	118.25	222.50	229.50	232.40					106,152( 1041.0)	144,000( 1412.2)	18,250( 178.97)		47.29
200-4	200-4					147.05	154.05	294.10	301.10	304.00					141,536( 1388.0)	192,000( 1882.9)	24,050( 235.85)		62.95
240-2	240-2					92.10	99.50	184.10	191.60	194.80					102,054( 1000.8)	140,000( 1372.9)	17,150( 168.18)		48.10
240-3	240-3	76.20	47.63	47.63	23.81	136.00	143.40	272.00	279.40	282.60	9.5	72.4	87.8	153,081( 1501.2)	210,000( 2059.4)	25,250( 247.62)	71.61	40	
240-4	240-4					179.90	187.30	358.80	367.20	370.40					204,108( 2001.6)	280,000( 2745.9)	33,300( 326.56)		95.11

NOTES: - KCM25 offset link is 2-pitch type.  
 - Asterisk (\*) implies bush diameter.  
 - Connecting links of KCM 25 to KCM 60 are clip type. (Both open and closed clips are available.)  
 - Connecting links of KCM 80 or larger models are split pin type.