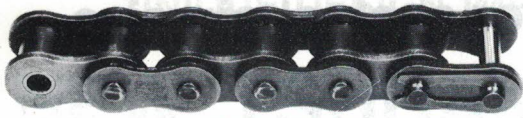
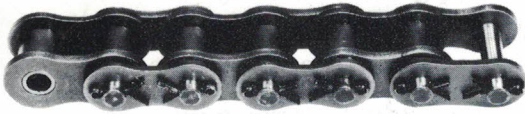


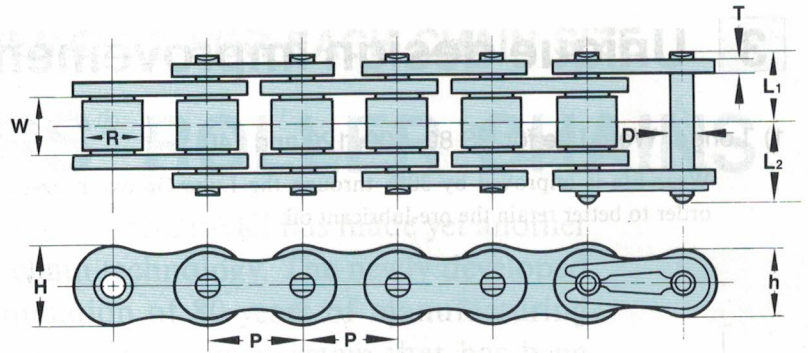
AMERICAN STANDARD ROLLER CHAINS-SINGLE STRAND



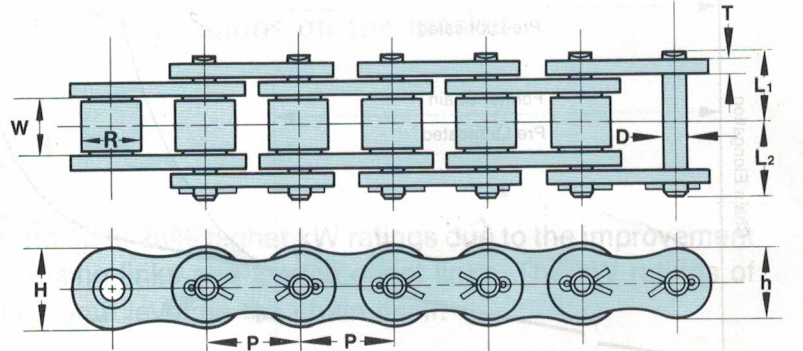
RIVETED TYPE



COTTERED TYPE



RIVETED TYPE



COTTERED TYPE

ANSI STANDARD - ROLLER CHAINS

Single and Multiple Strand Tsubaki Standard 70th Series Roller Chains conform to the ANSI (American National Standards Institute) and are interchangeable with other chains conforming to ANSI Standards. The Tsubaki 70th Series Roller Chains celebrate Tsubaki's 70 year history of constantly improving quality and customer satisfaction.

Dimensions-mm

TSUBAKI Chain No.	ANSI No.	Pitch P	Roller Dia. R	Width Between Roller Link Plates W	Link Plate			Pin			Average Tensile Strength kN {kgf}	Maximum Allowable Load N {kgf}	Approx Weight kg/m	Number of Links per unit
					Thickness T	Height H	Height h	Dia. D	From Pin Head to C.L. L1	From Pin End to C.L. L2				
RS25 * ▲	25	6.35	3.30	3.18	0.75	5.84	5.05	2.31	3.80	4.80	4.71 { 480 }	640 { 65 }	0.14	480
RS35 * ▲	35	9.525	5.08	4.78	1.25	9.0	7.8	3.59	5.85	6.85	11.3 { 1,150 }	2,160 { 220 }	0.33	320
RS41 *	41	12.70	7.77	6.38	1.25	9.8	8.4	3.59	6.75	7.95	11.8 { 1,200 }	2,260 { 230 }	0.41	240
RS40 *	40	12.70	7.94	7.95	1.5	12.0	10.4	3.97	8.25	9.95	19.1 { 1,950 }	3,630 { 370 }	0.64	240
RS50 *	50	15.875	10.16	9.53	2.0	15.0	13.0	5.09	10.3	12.0	31.4 { 3,200 }	6,370 { 650 }	1.04	192
RS60	60	19.05	11.91	12.70	2.4	18.1	15.6	5.96	12.85	14.75	44.1 { 4,500 }	8,830 { 900 }	1.53	160
RS80	80	25.40	15.88	15.88	3.2	24.1	20.8	7.94	16.25	19.25	78.5 { 8,000 }	14,700 { 1,500 }	2.66	120
RS100	100	31.75	19.05	19.05	4.0	30.1	26.0	9.54	19.75	22.85	118.0 { 12,000 }	22,600 { 2,300 }	3.99	96
RS120	120	38.10	22.23	25.40	4.8	36.2	31.2	11.11	24.9	28.9	167.0 { 17,000 }	30,400 { 3,100 }	5.93	80
RS140	140	44.45	25.40	25.40	5.6	42.2	36.4	12.71	26.9	31.7	216.0 { 22,000 }	40,200 { 4,100 }	7.49	68
RS160	160	50.80	28.58	31.75	6.4	48.2	41.6	14.29	31.85	36.85	279.0 { 28,500 }	53,000 { 5,400 }	10.10	60
RS180	180	57.15	35.71	35.72	7.15	54.2	46.8	17.46	35.65	42.45	370.0 { 37,700 }	60,800 { 6,200 }	13.45	54
RS200	200	63.50	39.68	38.10	8.0	60.3	52.0	19.85	39.0	44.8	471.0 { 48,000 }	71,600 { 7,300 }	16.49	48
RS240	240	76.20	47.63	47.63	9.5	72.4	62.4	23.81	47.9	55.5	686.0 { 70,000 }	99,000 { 10,100 }	24.5	40

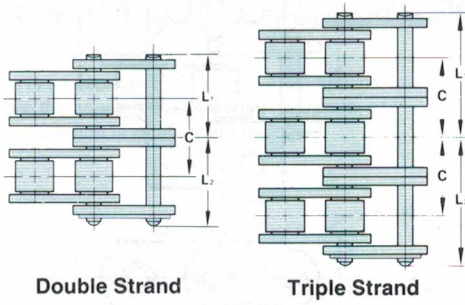
▲ Rollerless
* Riveted only

Gear Motor torque $(11.5 \times 10^3 \text{ Nm}) \div 1000 = 11.5 \text{ kN}$ (Maximum Allowable Load)

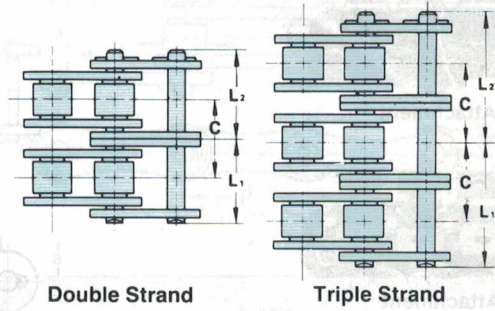
Chain Maximum allowable load must higher than Motor torque

AMERICAN STANDARD ROLLER CHAINS-MULTIPLE STRAND

RIVETED TYPE



COTTERED TYPE



Dimensions-mm

TSUBAKI Chain No.	ANSI No.	Pitch	Pin		Transverse Pitch C	Average Tensile Strength		Approx. Weight kg/m	TSUBAKI Chain No.	ANSI No.	Pitch	Pin		Transverse Pitch C	Average Tensile Strength		Approx. Weight kg/m
			From Pin Head To C.L. L ₁	From Pin End To C.L. L ₂		kN	{ kgf }					From Pin Head To C.L. L ₁	From Pin End To C.L. L ₂		kN	{ kgf }	
RS25-2 ▲ *	25-2	6.35	7.0	8.0	6.4	9.41	{ 960 }	0.27	RS120-3	120-3	38.10	70.4	74.4	45.4	500	{ 51,000 }	17.53
RS35-2 ▲ *	35-2	9.525	10.9	11.9	10.1	22.6	{ 2,300 }	0.69	RS120-4	120-4	38.10	93.1	97.1	45.4	667	{ 68,000 }	23.36
RS35-3 ▲ *	35-3		16.0	16.9		33.8	{ 3,450 }	1.05	RS120-5	120-5		115.85	119.85		834	{ 85,000 }	29.16
RS40-2	40-2	12.70	15.45	17.15	14.4	38.2	{ 3,900 }	1.27	RS120-6	120-6	44.45	138.55	142.55	48.9	1000	{ 102,000 }	34.96
RS40-3	40-3		22.65	24.15		57.4	{ 5,850 }	1.90	RS140-2	140-2		51.35	56.15		431	{ 44,000 }	14.83
RS40-4	40-4		29.9	31.3		76.5	{ 7,800 }	2.53	RS140-3	140-3		75.85	80.75		647	{ 66,000 }	22.20
RS40-5	40-5	15.875	37.1	38.6	18.1	95.6	{ 9,750 }	3.16	RS140-4	140-4	50.80	100.3	105.2	58.5	863	{ 88,000 }	28.52
RS40-6	40-6		44.3	45.8		115	{ 11,700 }	3.79	RS140-5	140-5		124.8	129.6		1080	{ 110,000 }	36.97
RS50-2	50-2		19.35	21.15		62.8	{ 6,400 }	2.07	RS140-6	140-6		149.3	154.2		1290	{ 132,000 }	44.30
RS50-3	50-3	19.05	28.4	30.2	22.8	94.1	{ 9,600 }	3.09	RS160-2	160-2	57.15	61.15	66.15	65.8	559	{ 57,000 }	20.04
RS50-4	50-4		37.45	39.25		126	{ 12,800 }	4.11	RS160-3	160-3		90.45	95.45		838	{ 85,500 }	30.02
RS50-5	50-5		46.5	48.3		157	{ 16,000 }	5.14	RS160-4	160-4		119.75	124.65		1120	{ 114,000 }	40.06
RS50-6	50-6	25.40	55.6	57.4	29.3	188	{ 19,200 }	6.16	RS160-5	160-5	63.50	149.05	153.95	71.6	1400	{ 142,500 }	49.89
RS60-2	60-2		24.25	26.75		88.3	{ 9,000 }	3.04	RS160-6	160-6		178.3	183.3		1680	{ 171,000 }	59.93
RS60-3	60-3		35.65	38.15		132	{ 13,500 }	4.54	RS180-2	180-2		68.75	75.35		739	{ 75,400 }	26.52
RS60-4	60-4	31.75	47.05	49.55	35.8	177	{ 18,000 }	6.04	RS180-3	180-3	76.20	101.7	108.5	87.8	1110	{ 113,100 }	38.22
RS60-5	60-5		58.5	61.0		221	{ 22,500 }	7.54	RS180-4	180-4		134.65	141.45		1480	{ 150,800 }	50.90
RS60-6	60-6		69.9	72.5		265	{ 27,000 }	9.05	RS180-5	180-5		167.6	174.4		1850	{ 188,500 }	63.59
RS80-2	80-2	38.10	30.9	33.9	45.4	157	{ 16,000 }	5.27	RS180-6	180-6	76.20	200.55	207.35	87.8	2180	{ 226,200 }	76.27
RS80-3	80-3		45.6	48.5		235	{ 24,000 }	7.89	RS200-2	200-2		74.85	80.65		941	{ 96,000 }	32.63
RS80-4	80-4		60.25	63.25		314	{ 32,000 }	10.50	RS200-3	200-3		110.75	116.45		1410	{ 144,000 }	49.02
RS80-5	80-5	37.7	74.95	77.95	35.8	392	{ 40,000 }	13.11	RS200-4	200-4	76.20	146.6	152.3	87.8	1880	{ 192,000 }	65.16
RS80-6	80-6		89.6	92.5		471	{ 48,000 }	15.73	RS200-5	200-5		182.4	188.2		2350	{ 240,000 }	81.32
RS100-2	100-2		37.7	40.8		235	{ 24,000 }	7.85	RS200-6	200-6		218.25	224.05		2820	{ 288,000 }	97.59
RS100-3	100-3	31.75	55.65	58.75	35.8	353	{ 36,000 }	11.77	RS240-2	240-2	76.20	91.9	99.4	87.8	1370	{ 140,000 }	48.10
RS100-4	100-4		73.55	76.65		471	{ 48,000 }	15.70	RS240-3	240-3		135.85	143.15		2060	{ 210,000 }	71.60
RS100-5	100-5		91.5	94.6		588	{ 60,000 }	19.53	RS240-4	240-4		179.8	187.3		2750	{ 280,000 }	95.10
RS100-6	100-6	38.10	109.45	112.55	45.4	706	{ 72,000 }	23.48	RS240-5	240-5	76.20	223.75	231.25	87.8	3430	{ 350,000 }	118.60
RS120-2	120-2		47.6	51.6		333	{ 34,000 }	11.70	RS240-6	240-6		267.7	275.1		4120	{ 420,000 }	142.10

▲ Rollerless
* Riveted only