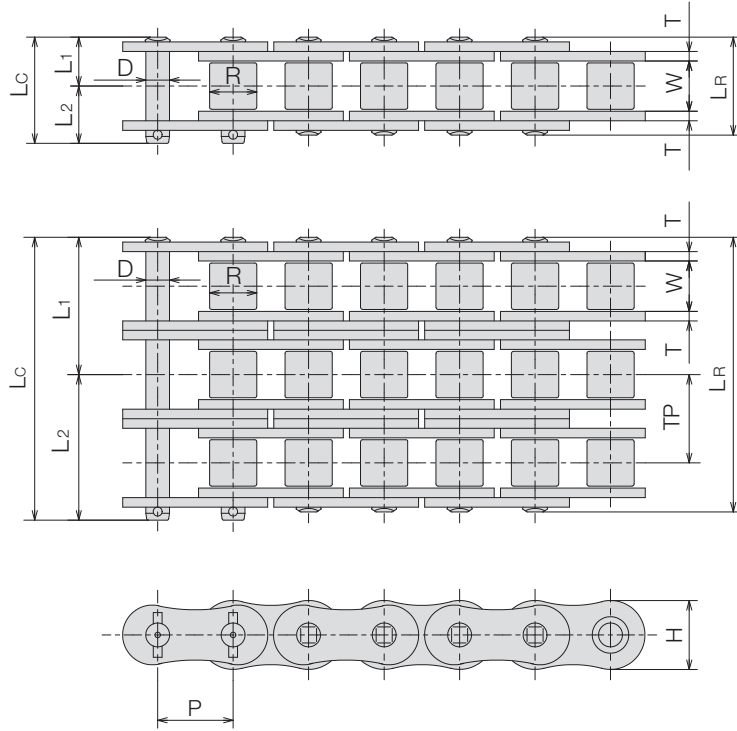


Super Roller Chain

ANSI | Single Pitch | Heavy Duty | SUP

“SUP” type roller chains are designed to provide longer chain life under severe loads. Enhanced plate configuration and ball milling plate holes ensure greater tensile strength and resistance to fatigue failure. High-grade alloy steel and four point riveting provide higher shock load capacities.



BS Single Pitch

ANSI Single Pitch

ANSI Double Pitch

ENGL. 81X

Technical Information

SY Chain No.	Dimension - mm											Average Tensile Strength κN	Maximum Allowable Load κN	Average Chain Weight kg/m
	Pitch P	Roller		Dia. D	Pin				Plate		Trans. Pitch			
		Width W	Dia. R		Length				Height H	Thickness T				
SY 80-1 SUP					32.6	35.5	16.3	19.2			-	84.30	18.60	2.81
SY 80-2 SUP	25.40	15.88	15.88	7.93	62.0	64.9	31.0	33.9	24.1	3.2	29.3	169.00	31.60	5.63
SY 80-3 SUP					91.3	94.2	45.7	48.5				253.00	46.50	8.41
SY 100-1 SUP					39.8	43.2	19.9	23.3			-	127.00	30.40	4.26
SY 100-2 SUP	31.75	19.05	19.05	9.53	75.4	79.0	37.7	41.3	30.1	4.0	35.8	254.00	51.70	8.38
SY 100-3 SUP					111.2	114.8	55.6	59.2				381.00	76.00	12.57
SY 120-1 SUP					49.7	53.7	24.9	28.8			-	186.00	39.20	6.30
SY 120-2 SUP	38.10	25.40	22.23	11.10	95.4	99.4	47.7	51.7	36.2	4.8	45.4	372.00	66.60	12.44
SY 120-3 SUP					140.8	144.8	70.4	74.4				558.00	98.00	18.65
SY 140-1 SUP					54.0	58.3	27.0	31.3			-	245.00	53.90	8.04
SY 140-2 SUP	44.45	25.40	25.40	12.70	103.3	107.6	51.7	55.9	42.2	5.6	48.9	490.00	91.60	15.92
SY 140-3 SUP					152.2	156.5	76.1	80.4				735.00	135.00	23.84
SY 160-1 SUP					64.4	69.0	32.2	36.8			-	314.00	70.60	10.8
SY 160-2 SUP	50.80	31.75	28.58	14.28	123.2	127.8	61.6	66.2	48.2	6.4	58.5	628.00	120.00	21.44
SY 160-3 SUP					181.7	186.3	90.9	95.4				942.00	177.00	32.10
SY 200-1 SUP					78.6	86.2	39.3	46.9			-	490.00	94.10	17.6
SY 200-2 SUP	63.50	38.10	39.67	19.83	150.6	158.2	75.3	82.9	60.3	8.0	71.6	980.00	160.00	34.91
SY 200-3 SUP					222.2	229.8	111.1	118.7				1,470.00	235.00	52.44
SY 240-1 SUP					96.4	103.4	48.2	55.2			-	726.00	132.00	25.6
SY 240-2 SUP	76.20	47.63	47.63	23.78	184.2	184.2	92.1	99.1	72.4	9.5	87.8	1,452.00	224.00	50.88
SY 240-3 SUP					272.0	279.0	136.0	143.0				2,178.00	330.00	76.12

Connecting links for SUP type are “semi press-fit” style. SUP type multiple strand chains are standardly designed for semi press-fit center plate construction. BCL connect-ing links are standardly equipped for SUP type multiple strand chains. Offset links are not available. SUP type chains are also available in the cottered type design. Contact SUGIYAMA for further information. SUP type both single and multiple strand chains are designed to be used with standard sprockets.