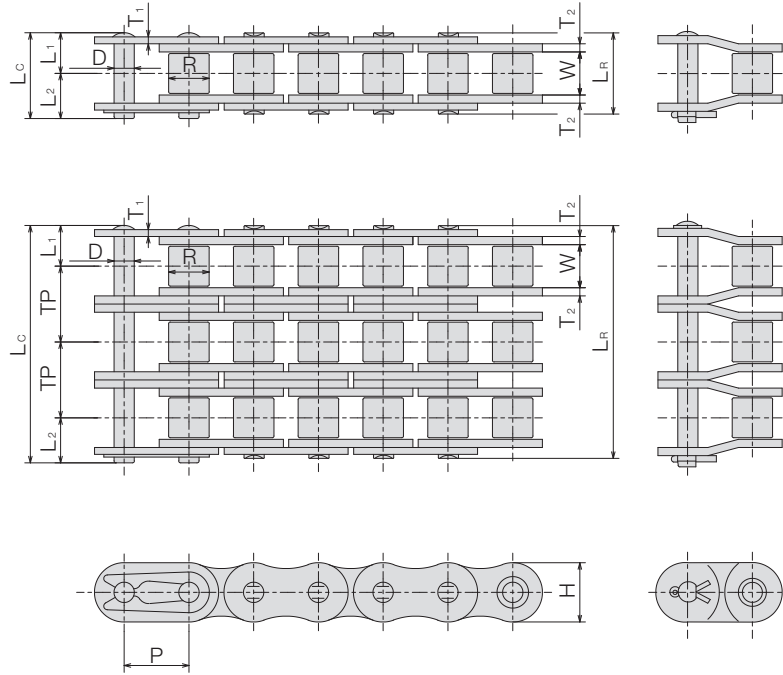


Premium Standard Roller Chain

BS | Single Pitch | Standard | SBR

“SBR” (Solid Bushing & Roller) is the product type of SUGIYAMA premium standard roller chain. Our Premium roller chains are made with solid bushings and solid rollers, specially treated pins and bushings, and a stringently controlled heat treatment process. These are only a few of the many features built into SY branded chains. Manufactured in accordance with ISO 606, our premium standard roller chain are perfectly interchangeable with British standard BS 228 and German standard DIN 8187 roller chains.



BS Single Pitch

ANSI Single Pitch

ANSI Double Pitch

ENGL. 81X

Technical Information

SY Chain No.	Pitch P	Dimension - mm											Average Tensile Strength	Maximum Allowable Load	Average Chain Weight	
		Roller		Pin				Plate			Trans. Pitch					
		Width W	Dia. R	Dia. D	Length				Height H	Thickness						
					L _R	L _C	L ₁	L ₂		T ₁		T ₂				
SY 06B-1					12.6	13.4								9.90	1.70	0.41
SY 06B-2	9.525	5.72	6.35	3.28	22.9	23.7	6.3	7.1	8.2	1.0	1.25	10.24	18.80	2.90	0.78	
SY 06B-3					33.2	33.7							27.70	4.20	1.18	
SY 08B-1					16.7	18.2							19.60	3.14	0.61	
SY 08B-2	12.70	7.75	8.51	4.45	30.6	31.9	8.4	9.8	11.8	1.5		13.92	34.60	5.35	1.26	
SY 08B-3					44.5	45.8							49.40	7.85	1.88	
SY 10B-1					19.4	20.7							24.60	4.90	0.89	
SY 10B-2	15.875	9.65	10.16	5.08	36.0	37.3	9.7	11.0	14.7	1.65		16.59	49.40	8.33	1.79	
SY 10B-3					52.6	54.4							74.10	12.20	2.66	
SY 12B-1					22.0	23.6							32.20	7.06	1.14	
SY 12B-2	19.05	11.68	12.07	5.72	41.6	43.2	11.0	12.6	16.1	1.8		19.46	64.40	12.00	2.28	
SY 12B-3					61.1	62.7							96.60	17.60	3.36	
SY 16B-1					35.2	38.2							66.60	16.40	2.59	
SY 16B-2	25.40	17.02	15.88	8.26	67.2	70.1	17.6	20.6	21.0	3.2	4.0	31.88	117.80	21.40	5.13	
SY 16B-3					99.5	102.5							177.80	31.50	7.68	
SY 20B-1					40.2	44.0							105.00	25.50	3.76	
SY 20B-2	31.75	19.56	19.05	10.16	76.8	80.6	20.1	23.9	26.4	3.5	4.5	36.45	188.90	33.30	7.26	
SY 20B-3					113.3	117.2							277.80	49.00	10.86	
SY 24B-1					53.4	58.1							177.80	35.70	7.29	
SY 24B-2	38.10	25.40	25.40	14.63	101.8	106.5	26.7	31.4	33.4	5.0	5.9	48.36	311.10	46.80	14.53	
SY 24B-3					150.2	154.9							472.20	68.80	21.76	
SY 28B-1					65.1	70.5							222.20	44.50	9.26	
SY 28B-2	44.45	31.00	27.94	15.88	124.7	130.0	32.6	37.9	37.0	6.3	7.4	59.56	400.00	58.30	18.45	
SY 28B-3					184.2	189.6							588.90	85.80	27.65	
SY 32B-1					65.0	71.1							275.00	51.00	9.92	
SY 32B-2	50.80	31.00	29.21	17.81	123.4	129.7	32.5	38.6	42.2	6.3	6.9	58.55	500.00	66.60	19.76	
SY 32B-3					182.0	188.3							744.40	98.00	29.61	

06B chains have straight shaped link plates and use split bushings. The intermediate plate of the multiple strand 06B chain is a single plate, and the thickness is 1.6mm. The thickness of the intermediate plate of the multiple strand 08B chain is 1.25mm. Connecting links are “cotter” style for size 16B-3 SBR and all sizes above 20B SBR. Takes account of a 35% reduction of fatigue strength when a single pitch offset link is used.