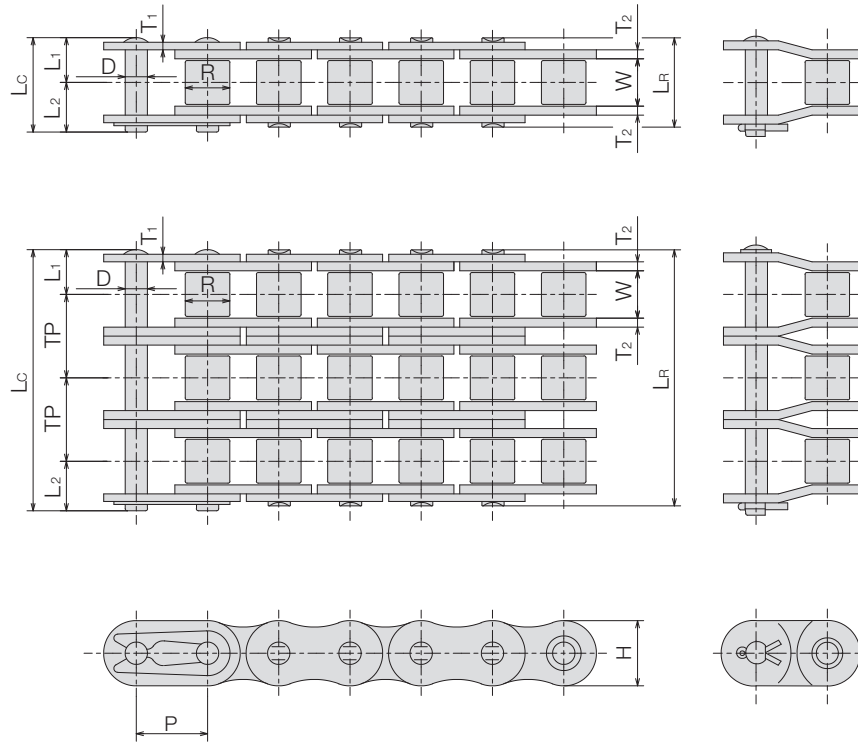


# Aqua-Proof Roller Chain

**BS | Single Pitch | Anti Corrosion | AP**

“AP” type roller chains comply with the RoHS Directive. Its corrosion resistance is far superior to nickel or zinc plated chains, yet it maintains the strength and durability of the SUGIYAMA carbon steel roller chain. “AP” type roller chains are the perfect choice when both corrosion resistance and high strength are needed.



BS Single Pitch

ANSI Single Pitch

ANSI Double Pitch

ENGI. 81X

Technical Information

SY Chain No.	Dimension - mm												Average Tensile Strength	Maximum Allowable Load	Average Chain Weight	
	Pitch P	Roller		Pin				Plate		Trans. Pitch						
		Width W	Dia. R	Dia. D	Length		Height	Thickness								
					L <sub>R</sub>	L <sub>C</sub>	L <sub>1</sub>	L <sub>2</sub>	H	T <sub>1</sub>	T <sub>2</sub>	TP	kN	kN	kg/m	
SY 08B-1 AP					16.7	18.2								19.60	3.14	0.61
SY 08B-2 AP	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 AP					44.5	45.8								49.40	7.85	1.88
SY 10B-1 AP					19.4	20.7								24.60	4.90	0.89
SY 10B-2 AP	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 AP					52.6	54.4								74.10	12.20	2.66
SY 12B-1 AP					22.0	23.6								32.20	7.06	1.14
SY 12B-2 AP	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 AP					61.1	62.7								96.60	17.60	3.36
SY 16B-1 AP					35.2	38.2								66.60	16.40	2.59
SY 16B-2 AP	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 AP					99.5	102.5								177.80	31.50	7.68
SY 20B-1 AP					40.2	44.0								105.00	25.50	3.76
SY 20B-2 AP	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 AP					113.3	117.2								277.80	49.00	10.86
SY 24B-1 AP					53.4	58.1								177.80	35.70	7.29
SY 24B-2 AP	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 AP					150.2	154.9								472.20	68.80	21.76
SY 28B-1 AP					65.1	70.5								222.20	44.50	9.26
SY 28B-2 AP	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 AP					184.2	189.6								588.90	85.80	27.65
SY 32B-1 AP					65.0	71.1								275.00	51.00	9.92
SY 32B-2 AP	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 AP					182.0	188.3								744.40	98.00	29.61

The thickness of the intermediate plate of the multiple strand 08B AP chain is 1.25mm. Connecting links are “cotter” style for size 16B-3 AP and all sizes above 20B AP. Takes account of a 35% reduction of fatigue strength when a single pitch offset link is used. Do not use Aqua-Proof chains in applications where chain may come in direct contact with food or where coating flakes or wear dust can contaminate food.