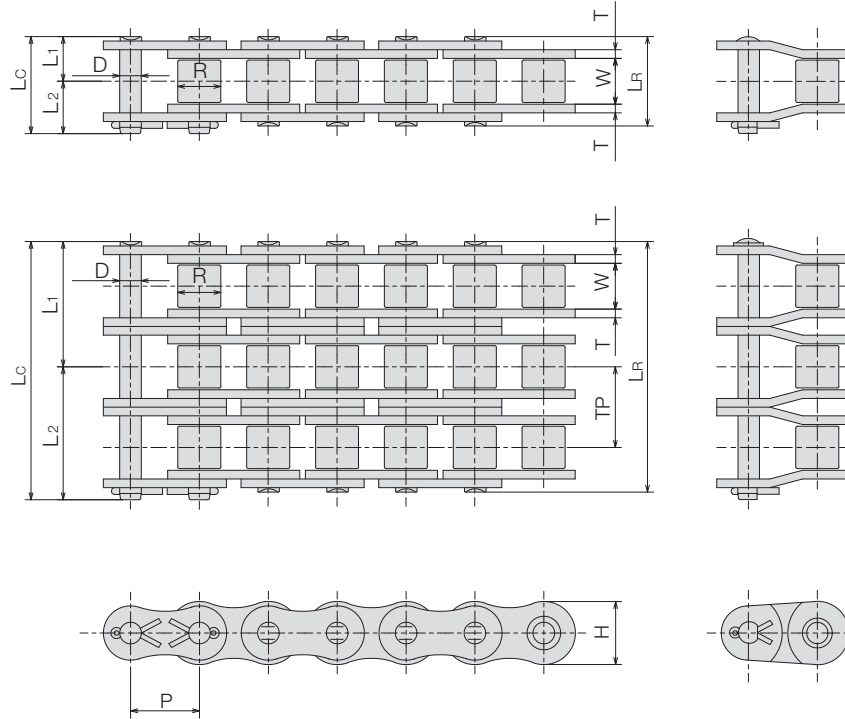


Heavy Roller Chain

ANSI | Single Pitch | Heavy Duty | H

“H” type roller chains have increased link plate thickness to provide greater capacity without fatigue failure. The link plate thickness is that of the next larger size chain. Single strand roller chains of “H” type run on standard roller chain sprockets.



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 T					
			LR	LC	L1	L2			TP	kN	kN	kg/m		
SY 50-1 H	15.875	9.53	10.16	5.08	21.9	23.6	11.0	12.6	14.6	2.4	-	36.30	7.22	1.20
SY 50-2 H					41.7	43.5	20.9	22.6			19.8	72.60	10.70	2.40
SY 50-3 H					61.5	63.2	30.8	32.4			108.90	15.70	3.60	
SY 60-1 H	19.05	12.70	11.91	5.95	28.8	31.0	14.4	16.6	17.5	3.2	-	54.90	10.70	1.80
SY 60-2 H					54.7	57.0	27.4	29.6			26.1	110.00	15.20	3.59
SY 60-3 H					80.6	83.1	40.3	42.8			165.00	22.30	5.39	
SY 80-1 H	25.40	15.88	15.88	7.93	36.4	38.8	17.8	21.0	23.4	4.0	-	90.20	18.40	2.81
SY 80-2 H					68.4	71.3	34.2	37.1			32.6	180.00	25.80	5.54
SY 80-3 H					101.0	104.0	50.5	53.5			271.00	38.00	8.26	
SY 100-1 H	31.75	19.05	19.05	9.53	42.4	46.0	21.2	24.8	29.3	4.8	-	137.00	28.30	4.14
SY 100-2 H					81.6	85.0	40.8	44.2			39.1	274.00	39.10	8.20
SY 100-3 H					120.7	124.4	60.4	64.0			414.00	57.50	12.26	
SY 120-1 H	38.10	25.40	22.23	11.10	52.8	57.2	26.4	30.8	35.1	5.6	-	186.00	38.00	5.83
SY 120-2 H					102.0	106.1	51.0	55.1			48.9	372.00	53.40	11.56
SY 120-3 H					150.8	155.2	75.4	79.8			558.00	78.50	17.29	
SY 140-1 H	44.45	25.40	25.40	12.70	57.2	61.9	28.6	33.3	40.9	6.4	-	241.00	50.30	8.41
SY 140-2 H					109.4	114.0	54.7	59.3			52.2	482.00	70.00	16.59
SY 140-3 H					161.8	166.4	80.9	85.5			723.00	103.00	24.77	
SY 160-1 H	50.80	31.75	28.58	14.28	67.9	73.1	34.0	39.1	46.7	7.2	-	306.00	66.30	10.86
SY 160-2 H					129.8	134.9	64.9	70.0			61.9	612.00	93.30	21.21
SY 160-3 H					191.8	196.8	95.9	100.9			918.00	137.00	31.54	
SY 180-1 H	57.15	35.70	35.70	17.45	75.6	81.5	37.8	43.7	52.5	8.0	-	373.00	70.60	15.18
SY 180-2 H					144.2	149.8	72.1	77.7			68.6	746.00	102.00	31.06
SY 180-3 H					212.8	218.7	106.4	112.3			1,119.00	149.00	44.94	
SY 200-1 H	63.50	38.10	39.67	19.83	84.8	93.4	42.4	51.0	59.8	9.5	-	520.00	82.30	17.85
SY 200-2 H					163.1	172.0	81.6	90.4			78.3	1,040.00	127.00	35.20
SY 200-3 H					241.4	250.3	120.7	129.6			1,560.00	186.00	62.53	
SY 240-1 H	76.20	47.63	47.63	23.78	109.8	118.2	54.9	63.3	72.4	12.7	-	726.00	112.80	32.29
SY 240-2 H					211.0	219.4	105.5	113.9			101.2	1,452.00	173.00	62.06
SY 240-3 H					312.2	320.6	156.1	164.5			2,178.00	255.00	91.82	

Connecting links are “clip” style for sizes 50 H, 60 H, 80-1 H, 80-2 H. Connecting links are “through S pin” style for all sizes above 200 H. H type chains are designed to be used with standard sprockets. H type multiple strand chains are not designed to be used standard sprockets. Takes account of a 35% reduction of fatigue strength when a single pitch offset link is used.