

Double Capacity Roller Chain & Triple Capacity Roller Chain

ANSI | Single Pitch | Heavy Duty | DC & TC

“DC” type roller chains consist of twice the number of side plates as the single strand chain. Its working load is close to the standard double strand chain. “DC” and “TC” type roller chains run on standard roller chain sprockets, and the ideal chain speed is less than 50 m/min.

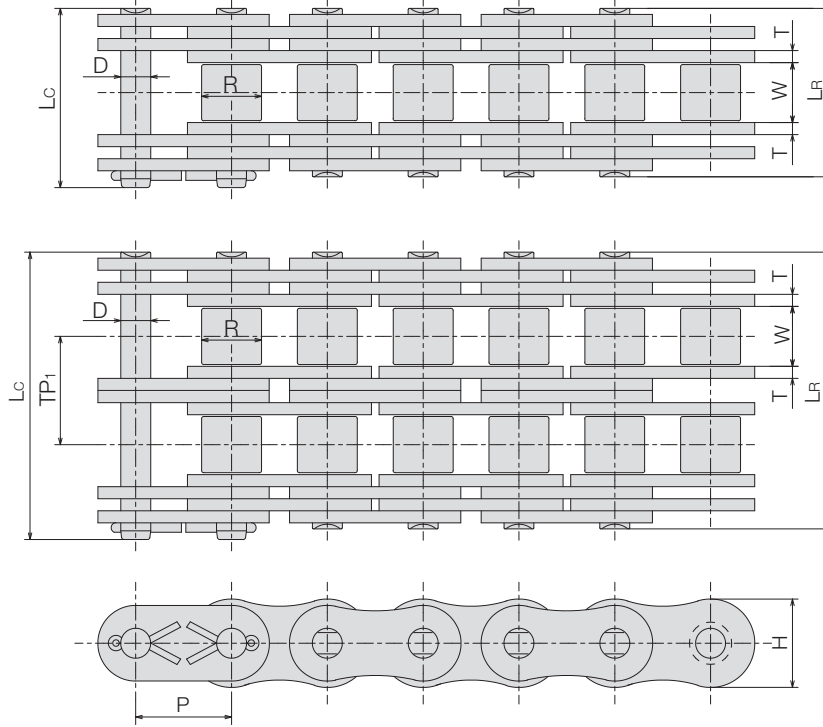
BS Single Pitch

ANSI Single Pitch

ANSI Double Pitch

ENGL. 81X

Technical Information



SY Chain No.	Dimension - mm									Average Tensile Strength kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin		Plate		Trans. Pitch TP			
		Width W	Dia. R	Dia. D	Length		Height H		Thickness T		
					LR	Lc					
SY 80-1 DC	25.40	15.88	15.88	7.93	45.6	48.7	23.4	3.2	-	149.00	4.33
SY 80-2 TC					74.9	78.0			223.00	6.92	
SY 100-1 DC	31.75	19.05	19.05	9.53	55.8	59.5	29.3	4.0	-	224.00	6.44
SY 100-2 TC					91.5	95.3			336.00	10.26	
SY 120-1 DC	38.10	25.40	22.23	11.10	69.0	73.3	35.1	4.8	-	317.00	9.37
SY 120-2 TC					114.2	118.7			45.4	475.00	15.00
SY 140-1 DC	44.45	25.40	25.40	12.70	76.4	81.1	40.9	5.6	-	410.00	12.19
SY 140-2 TC					125.2	130.0			48.9	615.00	19.40
SY 160-1 DC	50.80	31.75	28.58	14.28	90.0	95.1	46.7	6.4	-	522.00	16.43
SY 160-2 TC					148.5	153.6			58.5	783.00	26.10
SY 180-1 DC	57.15	35.70	35.70	17.45	101.6	107.7	52.5	7.2	-	670.00	21.39
SY 180-2 TC					167.4	173.5			65.8	1,005.00	34.91
SY 200-1 DC	63.50	38.10	39.67	19.83	111.2	120.0	59.8	8.0	-	857.00	27.50
SY 200-2 TC					182.8	191.6			71.6	1,285.00	44.05
SY 240-1 DC	76.20	47.63	47.63	23.78	135.4	143.2	70.3	9.5	-	1,286.00	40.31
SY 240-2 TC					223.4	231.0			87.8	1,929.00	64.43

Connecting links are “clip” style for size 80-1 DC and size 80-2 TC. Connecting links are “through S pin” style for all sizes above 200 DC. Connecting links are “through S pin” style for all sizes above 200-2 TC. Offset links are not available. DC type and TC type chains are designed to be used with standard sprockets.