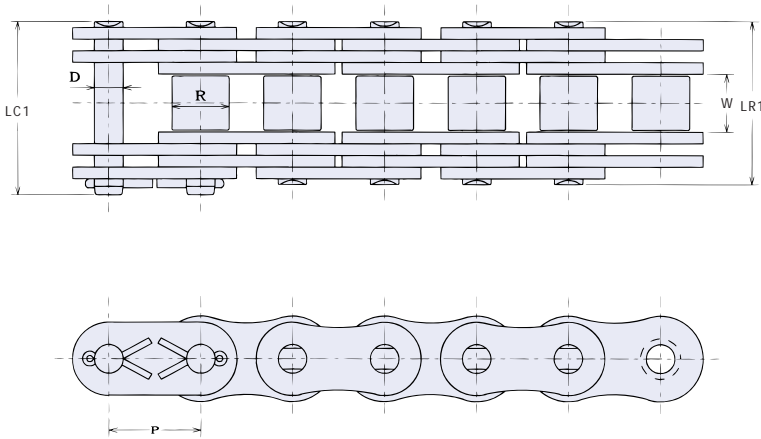


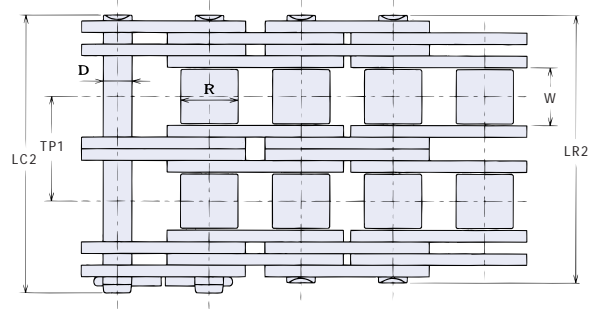
# Double Capacity Chains

Double Capacity chain consists of twice the amount of side plates as single strand chain, and its working load is close to standard double strand chain. Double Capacity Chain runs on standard single roller chain sprocket, however, multiple strand chains require special sprocket. Chain speed should be less than 50 m/min.

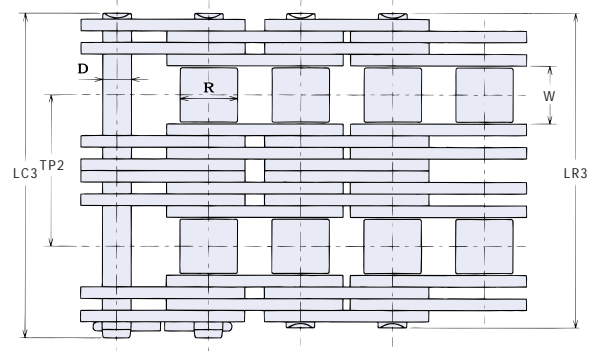
DQ (x 2)



TQ (x 3)



FQ (x 4)



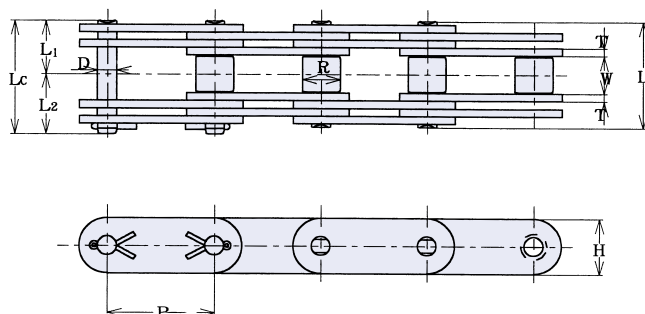
$$LR2 = LR1 + TP1$$

$$LC2 = LC1 + TP1$$

$$LR3 = LR1 + TP2$$

$$LC3 = LC1 + TP2$$

SY Chain No.	Dimensions - mm								Average Ultimate Strength (kN)			Maximum Allowable Load (kN)
	Pitch	Roller		Pin		Transverse Pitch		DC	TC	FC		
		Width	Dia.	Dia.	Length	TP1	TP2					
P	W	R	D	LR1	LC1	TP1	TP2	DC	TC	FC	DC	
16BDC • TC • FC	25.40	17.02	15.88	8.26	50.0	53.2	31.9	44.7	130	195	260	19.5
20BDC • TC • FC	31.75	19.56	19.05	10.16	56.0	60.4	36.5	50.5	201	301	402	30.2
24BDC • TC • FC	38.10	25.40	25.40	14.63	75.4	80.5	48.4	68.0	340	510	680	51.2
28BDC • TC • FC	44.45	31.00	27.94	15.88	93.0	98.8	59.6	84.8	424	636	848	63.8
32BDC • TC • FC	50.80	31.00	29.21	17.81	92.4	98.5	58.6	83.8	520	780	1040	78.4
80DC • TC • FC	25.40	15.88	15.88	7.93	45.6	48.7	29.3	42.1	149	223	298	22.4
100DC • TC • FC	31.75	19.05	19.05	9.53	55.8	59.5	35.8	51.8	224	336	448	33.5
120DC • TC • FC	38.10	25.40	22.23	11.10	69.0	73.3	45.4	64.2	317	475	634	49.0
140DC • TC • FC	44.45	25.40	25.40	12.70	76.4	81.1	48.9	71.3	410	615	820	64.4
160DC • TC • FC	50.80	31.75	28.58	14.28	90.0	95.1	58.5	84.1	522	783	1044	79.8
180DC • TC • FC	57.15	35.70	35.70	17.45	101.6	107.7	65.8	94.6	670	1009	1340	103.0
200DC • TC • FC	63.50	38.10	39.67	19.83	111.2	120.0	71.6	103.6	857	1285	1714	133.0
240DC • TC • FC	76.20	47.63	47.63	23.78	135.6	143.2	87.8	125.8	1286	1929	2572	193.0

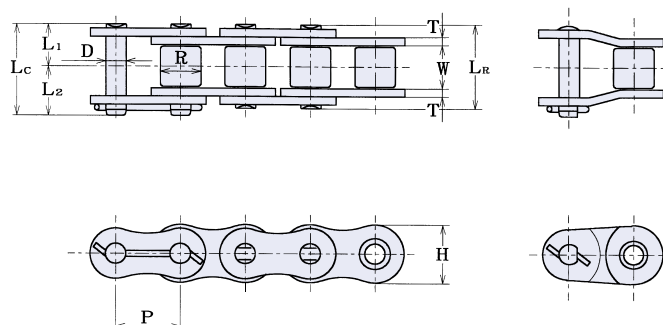


### DOUBLE PITCH TYPE

SY Chain No.	Dimensions - mm										Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin					Plate				
		Width W	Dia. R	Dia. D	Length			Height H	Thick. T				
					L <sub>R</sub>	L <sub>C</sub>	L <sub>1</sub>	L <sub>2</sub>					
2040 DC	25.40	7.95	7.92	3.96	23.0	24.7	11.5	13.2	11.4	1.5	38.2	4.02	0.50
2050 DC	31.75	9.53	10.16	5.08	28.8	30.5	14.4	16.1	15.0	2.0	63.8	6.72	0.85
2060H DC	38.10	12.70	11.91	5.95	42.2	44.2	21.1	23.1	17.0	3.2	109.8	11.56	1.46
2080H DC	50.80	15.88	15.88	7.93	52.0	55.1	26.0	29.1	22.6	4.0	180.4	18.99	2.50
2100H DC	63.50	19.05	19.05	9.53	62.0	65.6	31.0	34.6	28.6	4.8	274.0	28.84	3.81
2120H DC	76.20	25.40	22.23	11.10	77.8	82.1	38.9	43.2	34.9	5.6	372.0	39.16	5.50
2160H DC	101.60	31.75	28.58	14.28	97.4	102.6	48.7	53.9	47.6	7.2	612.0	64.42	9.27

## S-Series Roller Chains

S-series roller chains are designed to meet the requirements of greater breaking strength and maximum endurance. The thickness of link plates of S-series is the same as that of the next larger sizes of corresponding pitch chain. The through hardened pin with larger diameter than standard provides a greater shock load resistance. S-Series Roller chain runs on standard sprockets.



SY Chain No.	Dimensions - mm										Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin					Plate				
		Width W	Dia. R	Dia. D	Length			Height H	Thick. T				
					L <sub>R</sub>	L <sub>C</sub>	L <sub>1</sub>	L <sub>2</sub>					
SY 251S	50.80	31.75	28.58	15.88	67.9	73.2	34.0	39.2	46.7	7.2	333	58.8	11.31
SY 264S	63.50	38.10	39.67	22.22	85.8	94.5	42.9	51.6	59.8	9.5	556	81.4	19.27