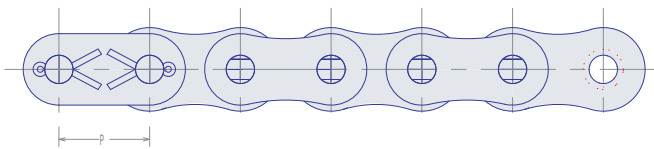
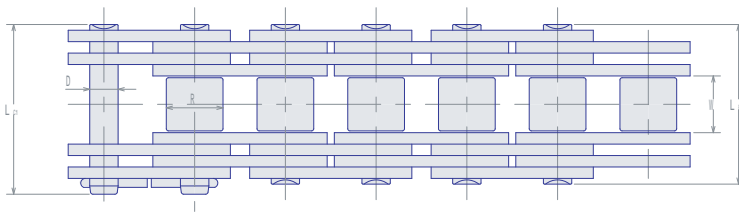


Double Capacity Chains

Double Capacity Chain is a single strand chain that offers the same ultimate tensile strength as a double strand chain with a saving of 50%.

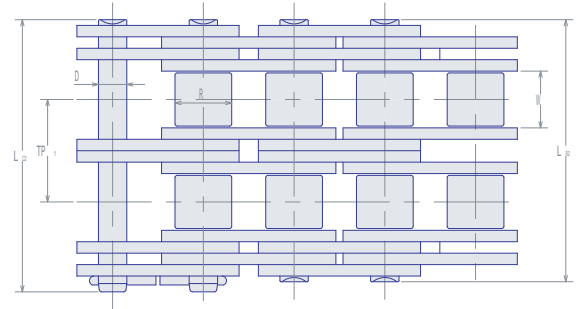
Double Capacity Chain consists of twice the amount of side plates as single strand chain.

DC (×2)

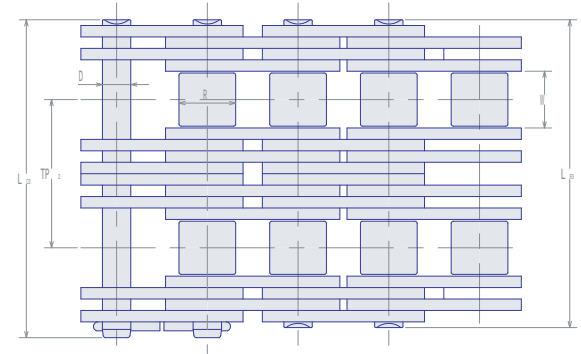


$$\begin{aligned} LR2 &= LR1 + TP1 \\ LC2 &= LC1 + TP1 \\ LR3 &= LR1 + TP2 \\ LC3 &= LC1 + TP2 \end{aligned}$$

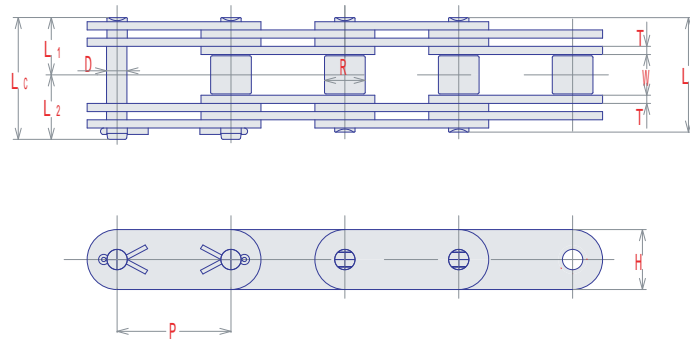
TC (×3)



FC (×4)



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					
16BDC • TC • FC	25.40	17.02	15.88	8.26	50.0	53.2	31.9	44.7	137	205	274	19.5
20BDC • TC • FC	31.75	19.56	19.05	10.16	56.0	60.4	36.5	50.5	212	318	424	30.2
24BDC • TC • FC	38.10	25.40	25.40	14.63	75.4	80.5	48.4	68.0	359	538	718	51.2
28BDC • TC • FC	44.45	31.00	27.94	15.88	93.0	98.8	59.6	84.8	447	670	894	63.8
32BDC • TC • FC	50.80	31.00	29.21	17.81	92.4	98.5	58.6	83.8	549	823	1098	78.4
80DC • TC • FC	25.40	15.88	15.88	7.93	45.6	48.7	29.3	42.1	157	235	314	22.4
100DC • TC • FC	31.75	19.05	19.05	9.53	55.8	59.5	35.8	51.8	235	352	470	33.5
120DC • TC • FC	38.10	25.40	22.23	11.10	69.0	73.3	45.4	64.2	343	514	686	49.0
140DC • TC • FC	44.45	25.40	25.40	12.70	76.4	81.1	48.9	71.3	451	676	902	64.4
160DC • TC • FC	50.80	31.75	28.58	14.28	90.0	95.1	58.5	84.1	559	838	1118	79.8
180DC • TC • FC	57.15	35.70	35.70	17.45	101.6	107.7	65.8	94.6	726	1089	1452	103.0
200DC • TC • FC	63.50	38.10	39.67	19.83	111.2	120.0	71.6	103.6	932	1398	1864	133.0
240DC • TC • FC	76.20	47.63	47.63	23.78	135.6	143.2	87.8	125.8	1353	2029	2706	193.0

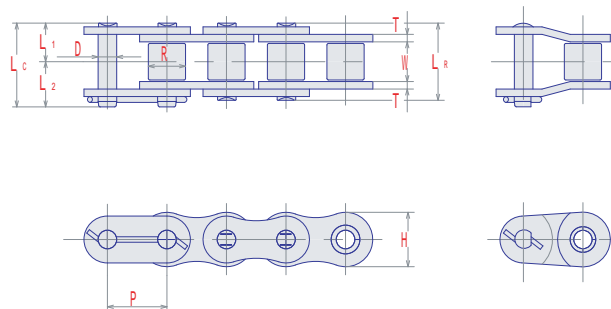


DOUBLE PITCH TYPE

SY Chain No.	Dimensions - mm										Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Roller		Pin				Plate					
		Width	Dia.	Dia.	Length			Height	Thick.				
	P	W	R	D	L _R	L _C	L ₁	L ₂	H	T			
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 for high breaking strength and maximum endurance in pursuit of greater chain rigidity. Combination of plates one size thicker than standard's and thick, tough pins ensures accurate operations and long performance life under harsh, heavy loads. Single strand roller chains of this series run on standard single roller chain sprockets.



SY Chain No.	Dimensions - mm										Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Roller		Pin				Plate					
		Width	Dia.	Dia.	Length			Height	Thick.				
	P	W	R	D	L _R	L _C	L ₁	L ₂	H	T			
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