

**Premium
SBR[®]**

Double Capacity

Roller Chain

SUGIYAMA
Advanced Technology

SY Double Capacity roller chains possess

Twice the number of link plates and provide almost twice the ultimate strength of standard single strand roller chains. They are primarily designed for high load hoist, pull down, or other tension linkage applications, and operate on standard ASME/ANSI single strand sprockets with hardened teeth.

Good for ecology: Lesser number of component parts

Operates in smaller space

Lighter weight

(in comparison with double strand roller chain)



***Available for
ANSI / BS Type
&
Double Pitch
Roller Chain***

	Double Capacity	Double Strand
Pitch	Same	
Sprocket	Single	Double
Space	Small	Large
Weight	Light	Heavy



All 33 men trapped 2,060 ft below ground were winched to the surface by the rescue capsule.

Drilled hole 2,060 ft down to rescue the miners.

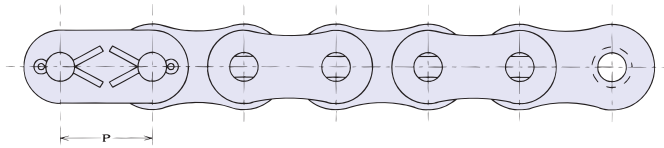
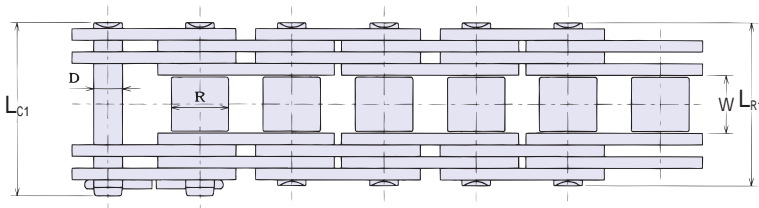
A drilling machine installed with SY 180 Double Capacity chain was utilized to drill 6" holes dia the 2,060 ft. or so down that found the 33 miners in Chile.



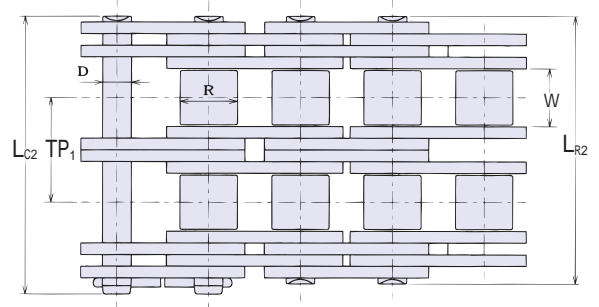
SY Double Capacity Roller Chain(#180)

Double Capacity Chains

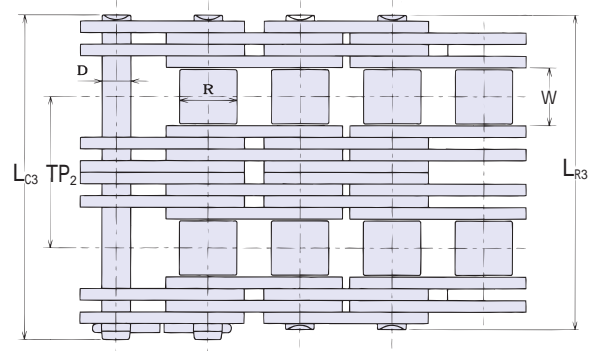
DC (× 2)



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	TP1	TP2	DC	TC	FC	
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	1005	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

Note : Type FC requires a special sprocket.



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