

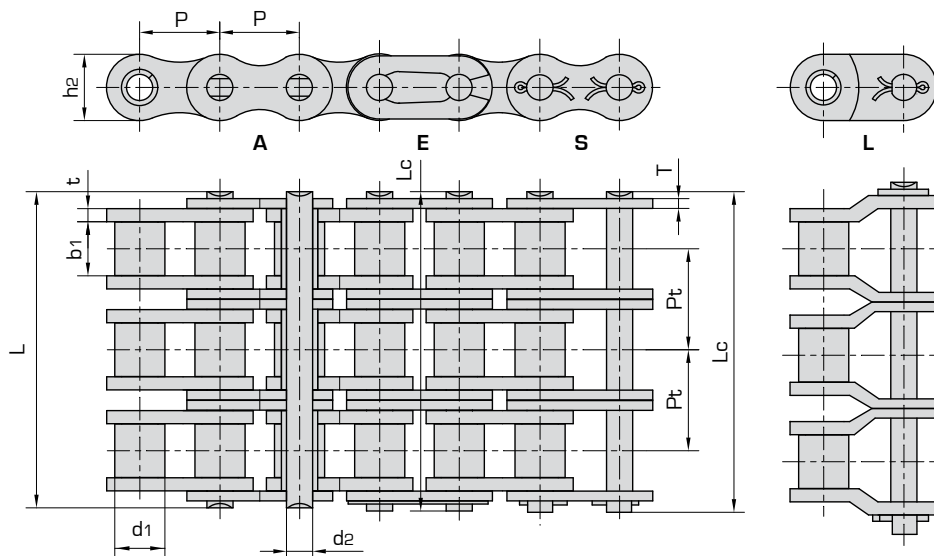
# Short pitch precision roller chains (B series)

## CP Hard Chromized Pins

Triplex roller chains

Part nr.	DIN/ISO 606 Chain no.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Inner plate depth	Plate thickness	Transverse pitch	
		P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Pt
		mm	mm	mm	mm	mm	mm	mm	mm	mm
10005B-3CP	05B-3CP	8,000	5,00	3,00	2,31	19,5	20,2	7,10	0,80	5,64
10006B-3CP	*06B-3CP	9,525	6,35	5,72	3,28	33,5	34,6	8,20	1,30	10,24
10008B-3CP	08B-3CP	12,700	8,51	7,75	4,45	45,1	46,1	11,80	1,60	13,92
10010B-3CP	10B-3CP	15,875	10,16	9,65	5,08	52,7	54,1	14,70	1,70	16,59
10012B-3CP	12B-3CP	19,050	12,07	11,68	5,72	61,5	63,1	16,00	1,85	19,46
10016B-3CP	16B-3CP	25,400	15,88	17,02	8,28	99,8	101,2	21,00	4,15/3,1	31,88
10020B-3CP	20B-3CP	31,750	19,05	19,56	10,19	114,2	117,9	26,40	4,50/3,5	36,45
10024B-3CP	24B-3CP	38,100	25,40	25,40	14,63	150,1	154,6	33,20	6,00/4,8	48,36
10028B-3CP	28B-3CP	44,450	27,94	30,99	15,90	184,2	188,7	36,70	7,50/6,0	59,56
10032B-3CP	32B-3CP	50,800	29,21	30,99	17,81	183,2	188,2	42,00	7,00/6,0	58,55
10040B-3CP	40B-3CP	63,500	39,37	38,10	22,89	226,8	233,8	52,96	8,50/8,0	72,29
10048B-3CP	48B-3CP	76,200	48,26	45,72	29,24	281,6	289,4	63,80	12,00/10,0	91,21
10056B-3CP	56B-3CP	88,900	53,98	53,34	34,32	327,8	336,2	77,80	13,50/12,0	106,6
10064B-3CP	64B-3CP	101,600	63,50	60,96	39,40	369,8	378,3	90,17	15,00/13,0	119,89
10072B-3CP	72B-3CP	114,300	72,39	68,58	44,48	420,0	429,0	103,60	17,00/15,0	136,27

\* Straight side plates



Ultimate tensile strength	Average tensile strength	Weight per meter	Available chain parts				
Q min	Q0	q	E	S	L	C	A
kN/lbf	kN	kg/m					
11,1/2523	13,8	0,48	X		X	X	X
24,9/5659	30,1	1,16	X		X	X	X
47,5/10795	57,8	2,03	X	X	X	X	X
66,7/15159	84,5	2,77	X	X	X	X	X
86,7/19705	101,8	3,46	X	X	X	X	X
160,0/36364	227,1	8,13	X	X	X	X	X
250,0/56818	334,3	10,82		X	X		X
425,0/96591	493,0	20,10		X	X		X
530,0/120454	609,5	24,92		X	X		X
670,0/152273	770,5	31,56		X	X		X
950,0/215909	1092,5	48,10		X	X		X
1500,0/340909	1710,0	75,00		X	X		X
2240,0/545450	2464,0	107,18		X	X		X
3000,0/681820	3300,0	136,00		X	X		X
3750,0/852270	4125,0	180,00		X	X		X



Donghua CP roller chains are built with hard chromized pins. The surface hardness is more than 1100 HV10 offering a +30% higher wear resistance than standard case hardened pins. Donghua CP roller chain are used for tough environments, high speed, high frequency of movement in the bearing area resisting wear much better than case hardened pins. In combination with highly sophisticated lubricant this technology brings a unique performance in wear resistance. All Donghua roller chains are: Pre-loaded, Fatigue resistant, Wear resistant and Pre-lubricated. Donghua simplex, duplex and triplex roller chains are manufactured according to ISO 606 DIN8187, standard pre-loaded, pre-lubricated, do have seamless rollers and are marked with production batch code number for complete traceability. All Donghua roller chains are sealed in plastic bags and packed in cardboard boxes with clear ISO 606 DIN descriptions and safety instructions. Standard packaging size is 5 meter box, reels are available on request. Cut to length service is available on request. Several test certificates like breaking load, length tolerance and material analyses are possible and available on request. Rollers chains which are needed for 'run as pairs' applications can be matched as pairs on request. DIN, 1/2DIN and 1/3DIN length tolerance are possible, please ask us for a quotation. For high temperature, low temperature, food application or special environments different kind of special lubricants are available. Please ask our sales team for any special needs. For drive chain calculation and right dimension check, please contact our engineering department, also see drive chain calculation data sheet on page 301. By filling this data sheet and sending this to our engineering department you will receive a detailed drive chain calculation including life time expectation. Sprockets are available for all roller chains, with pilot bore, fixed bore, keyway, setscrew or bearing bore with grooves. Standard toothing, hardened toothing or special toothing are possible with pilot bore, fixed bore or taper bush. Chain tools, tensioners and chain lubricants please see page 302-310.