

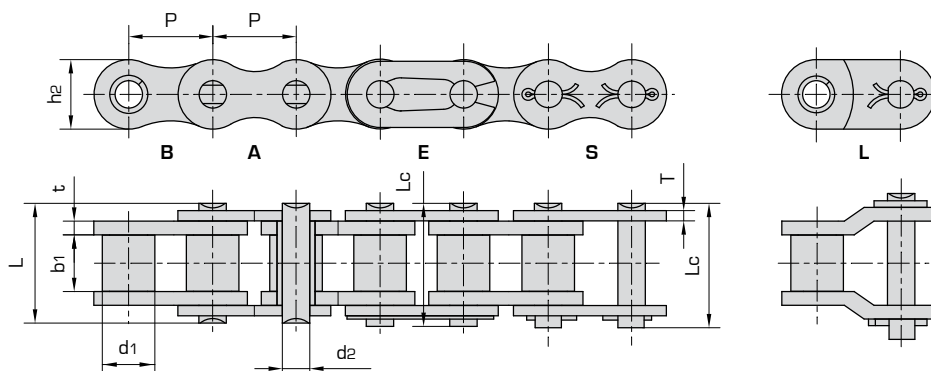
# Short pitch precision roller chains (A series)

## CP Hard Chromized Pins

Simplex roller chains & bush chains

Part nr.	DIN/ISO 606 Chain no.	ANSI Chain no.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness
				d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max
				mm	mm	mm	mm	mm	mm	mm
10025-1CP	*04C-1	*25	6,3500	3,30	3,18	2,31	7,90	8,40	6,00	0,80
10035-1CP	*06C-1	*35	9,525	5,08	4,77	3,58	12,40	13,17	9,00	1,30
10041-1CP	085-1	41	12,700	7,77	6,25	3,58	13,75	15,00	9,91	1,30
10040-1CP	08A-1	40	12,700	7,95	7,85	3,96	16,60	17,80	12,00	1,50
10050-1CP	10A-1	50	15,875	10,16	9,40	5,08	20,70	22,20	15,09	2,03
10060-1CP	12A-1	60	19,050	11,91	12,57	5,94	25,90	27,70	18,00	2,42
10080-1CP	16A-1	80	25,400	15,88	15,75	7,92	32,70	35,00	24,00	3,25
100100-1CP	20A-1	100	31,750	19,05	18,90	9,53	40,40	44,70	30,00	4,00
100120-1CP	24A-1	120	38,100	22,23	25,22	11,10	50,30	54,30	35,70	4,80
100140-1CP	28A-1	140	44,450	25,40	25,22	12,70	54,40	59,00	41,00	5,60
100160-1CP	32A-1	160	50,800	28,58	31,55	14,27	64,80	69,60	47,80	6,40
100180-1CP	36A-1	180	57,150	35,71	35,48	17,46	72,80	78,60	53,60	7,20
100200-1CP	40A-1	200	63,500	39,68	37,85	19,85	80,30	87,20	60,00	8,00
100240-1CP	48A-1	240	76,200	47,63	47,35	23,81	95,50	103,00	72,39	9,50

\* Bush chain: d1 in the table indicates the external diameter of the bush.



Ultimate tensile strength	Average tensile strength	Weight per meter	Available chain parts					
Q min	Q0	q	E	S	L	C	A	B
kN/lbf	kN	kg/m						
3,50/795	5,0	0,15	X			X	X	X
7,90/1795	11,3	0,33	X		X	X	X	X
6,67/1516	18,6	0,41	X		X	X	X	X
14,10/3205	31,3	0,62	X		X	X	X	X
22,20/5045	43,2	1,02	X		X	X	X	X
31,80/7227	74,3	1,50	X		X	X	X	X
56,70/12886	107,6	2,60	X		X	X	X	X
88,50/20114	163,1	3,91		X	X		X	X
127,00/28864	222,5	5,62		X	X		X	X
172,40/39182	266,9	7,50		X	X		X	X
226,80/51545	361,1	10,10		X	X		X	X
280,20/63682	466,8	13,45		X	X		X	X
353,80/80409	671,6	16,15		X	X		X	X
510,30/115977	622,5	23,20		X	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.