

CP (Chromized pin)

For tough and abrasive applications



High
performance
lubrication

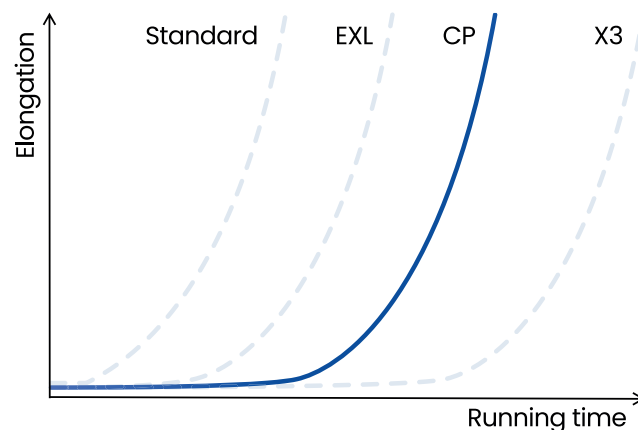
Low friction

Extreme hard
chromized pins

Long service life

CP (Chromized pin)

Chromized Pin (CP) Chain delivers A longer wear life compared to standard roller chains. This durability is achieved through the use of chromized pins, which feature a surface hardness of ± 1100 HV. The chrome coating on the pins creates an exceptionally hard surface and enhancing the chain's resistance to wear. The combination of chromized pins and the high performance lubrication makes the chain perfect for tough and abrasive applications. The CP chain also offers improved protection against stiff joints.

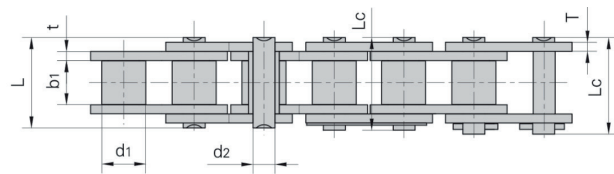
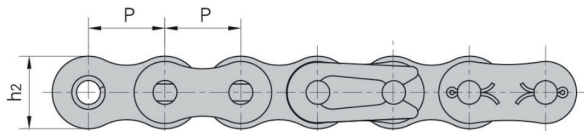


Technical highlights

- Extreme hard pin surface of ± 1100 HV
- Shot peened parts
- Long service lifetime
- Low friction between pin and bush
- Good corrosion resistance of chromized pin
- Good solution for tough and abrasive applications
- High speed applications
- Chains are pre-loaded at 40 to 50% of the breaking load
- Pre-lubricated with High performance DH-3 (temperature range -5 to 120 °C)
- Alternative lubricants available for special applications upon request

Industries

- Agricultural machinery
- Brick manufacture
- Ceramics
- Cementitious environments
- Metal working



Donghua Chain no.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Tensile strength			Weight per meter
									Acc. to ISO	Acc. to Donghua		
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	F min	F min	F Average	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kN
BS-Simplex												
#06B-1 CP	9,525	6,35	5,72	3,28	13,15	14,10	8,20	1,30	9,00	9,40	10,40	0,41
08B-1 CP	12,700	8,51	7,75	4,45	16,70	18,20	11,80	1,60	18,00	18,0	19,40	0,69
10B-1 CP	15,875	10,16	9,65	5,08	19,50	20,90	14,70	1,70	22,40	24,80	27,50	0,93
12B-1 CP	19,050	12,07	11,68	5,72	22,50	24,20	16,00	1,85	29,00	29,00	32,20	1,15
16B-1 CP	25,400	15,88	17,02	8,28	36,10	37,40	21,00	4,15/3,1	60,00	69,40	77,10	2,71
20B-1 CP	31,750	19,05	19,56	10,19	41,30	45,00	26,40	4,5/3,5	95,00	101,50	112,80	3,70
24B-1 CP	38,100	25,40	25,40	14,63	53,40	57,80	33,20	6,0/4,8	160,00	160,20	178,00	7,10
28B-1 CP	44,450	27,94	30,99	15,90	65,10	69,50	36,70	7,5/6,0	200,00	212,80	236,40	8,50
32B-1 CP	50,800	29,21	30,99	17,81	66,00	71,00	42,00	7,0/6,0	250,00	250,00	277,50	10,25
ANSI-Simplex												
*35-1 CP	9,525	5,08	4,77	3,58	12,40	13,17	9,00	1,30	7,90	10,20	11,30	0,33
41-1 CP	12,700	7,77	6,25	3,58	13,75	15,00	9,91	1,30	6,67	11,30	12,60	0,41
40-1 CP	12,700	7,95	7,85	3,96	16,60	17,80	12,00	1,50	14,10	16,70	18,60	0,62
50-1 CP	15,870	10,16	9,40	5,08	20,70	22,20	15,09	2,03	22,20	28,20	31,30	1,02
60-1 CP	19,050	11,91	12,57	5,94	25,90	27,70	18,00	2,42	31,80	38,90	43,20	1,50
80-1 CP	25,400	15,88	15,75	7,92	32,70	35,00	24,00	3,25	56,70	66,90	74,30	2,60
100-1 CP	31,750	19,05	18,90	9,53	40,40	44,70	30,00	4,00	88,50	96,80	107,60	3,91
120-1 CP	38,100	22,23	25,22	11,10	50,30	54,30	35,70	4,80	127,00	146,80	163,10	5,62
140-1 CP	44,450	25,40	25,22	12,70	54,40	59,00	41,00	5,60	172,40	200,30	222,50	7,50
160-1 CP	50,800	28,58	31,55	14,27	64,80	69,60	47,80	6,40	226,80	240,20	266,90	10,10

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

#Straight side plates



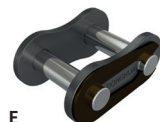
A
Outer Link



B
Inner Link



C
Double Offset Link



E
Connecting Link Spring



L
Single Offset Link



S
Connecting Link Cotter

Notes

- Duplex & Triplex chains are available in all sizes.
- Double pitch conveyor chains are available on request.
- Attachment and extended pins are available on request.
- Chains with straight side plates are available.
- Different sizes are available on request.

Contact

+31(0)72 820 0120

info@donghua.eu

www.donghua.eu

