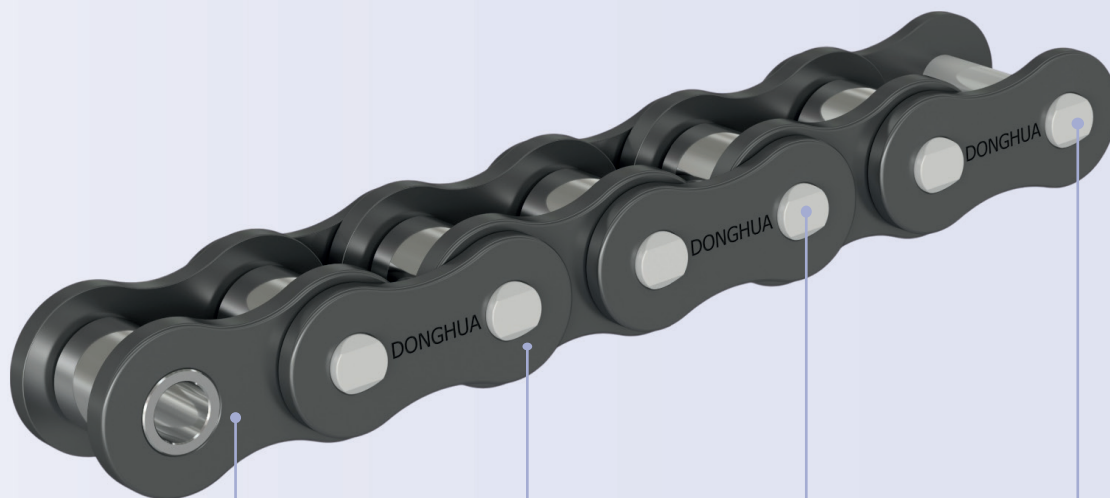




HV CP (Heavy Reinforced with Chromized Pins)

Applications which require high tensile strength and improved wear resistance



Thicker plates

High tensile strength

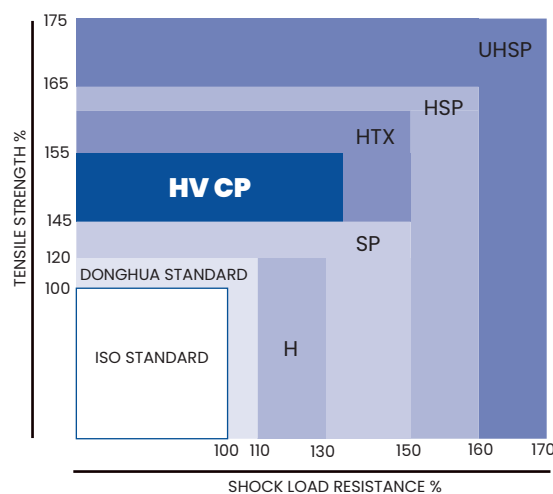
Through-hardened pins

Extremely hard chromized pins

HV CP (Heavy Reinforced with Chromized Pin)

Designed for demanding applications and harsh environments, with side plates manufactured in a thickness equivalent to the next larger pitch size for enhanced strength and durability. Pins are through-hardened in combination with an extremely hard chromized pin coating to increase tensile strength and wear resistance.

Provides up to 55% higher tensile strength and up to 35% higher fatigue strength compared to the ISO standard, making it suitable for high-load applications while extending service life.



Technical highlights

- Extremely hard pin surface of ± 1100 HV
- Plates have the thickness of one larger pitch size
- Through-hardened pins and plates
- Up to 55% higher tensile strength compared to the ISO standard
- Up to 35% higher fatigue strength compared to the ISO standard
- Available in the ANSI standard
- Chains are pre-loaded at 40 to 50% of the breaking load
- Standard pre-lubricated with DH-1 (temp range -5 to 80 °C)
- Alternative lubricants available for special applications upon request

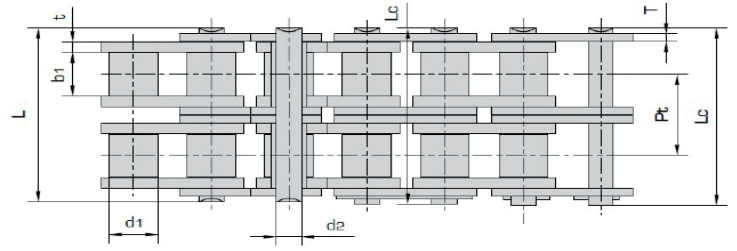
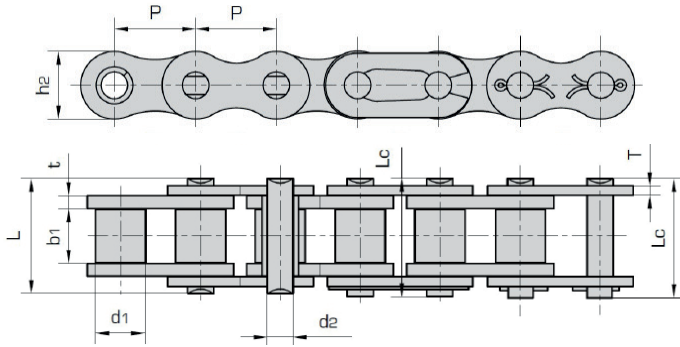
Industries

- Agricultural machinery
- Construction
- Wood industry
- Material handling



HV CP (Heavy Reinforced with Chromized Pins)

Applications which require high tensile strength and improved wear resistance



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	kN	kN	kN	kg/m
ANSI-Simplex												
50-1 HV CP	15,870	10,16	9,40	5,08	22,1	23,4	15,09	2,42	22,20	25,0	35,0	1,02
60-1 HV CP	19,050	11,91	12,57	5,94	29,2	31,0	18,00	3,25	31,80	38,0	53,0	1,50
80-1 HV CP	25,400	15,88	15,75	7,92	36,2	37,7	24,00	4,00	56,70	71,55	85,0	2,60
100-1 HV CP	31,750	19,05	18,90	9,53	43,6	46,9	30,00	4,80	88,50	107,85	125,0	3,91
120-1 HV CP	38,100	22,23	25,22	11,10	53,5	57,5	35,70	5,60	127,00	138,0	155,0	5,62
140-1 HV CP	44,450	25,40	25,22	12,70	57,6	62,2	41,00	6,4	172,40	180,0	220,0	7,50
160-1 HV CP	50,800	28,58	31,55	14,27	68,2	73,0	47,80	7,20	226,80	236,8	270,0	10,10



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 upon request
- Different sizes are available upon request

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