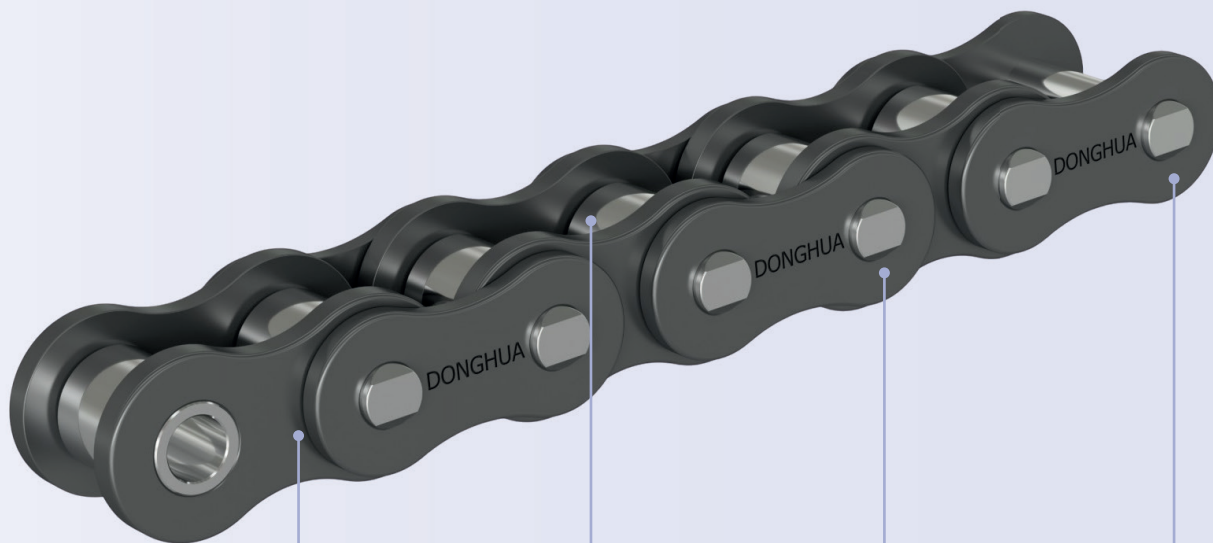


HV (Heavy Reinforced)

Heavy-duty applications which require high tensile strength



Thicker plates

High tensile strength

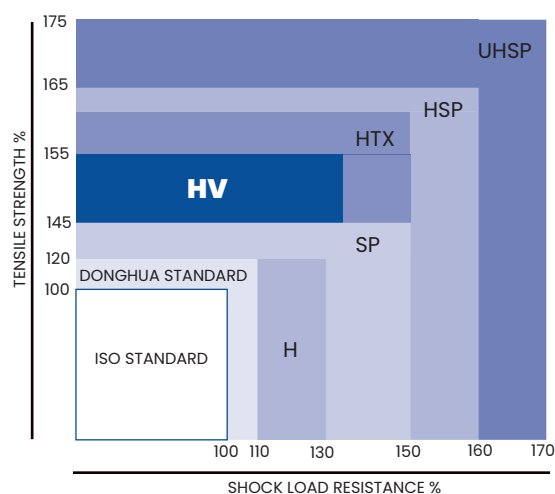
Through-hardened pin's

ANSI norm

HV (Heavy Reinforced)

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 to increase tensile strength.

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.

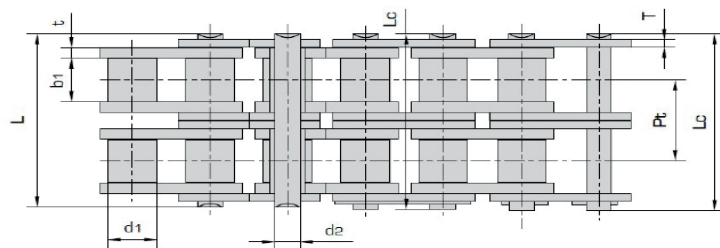
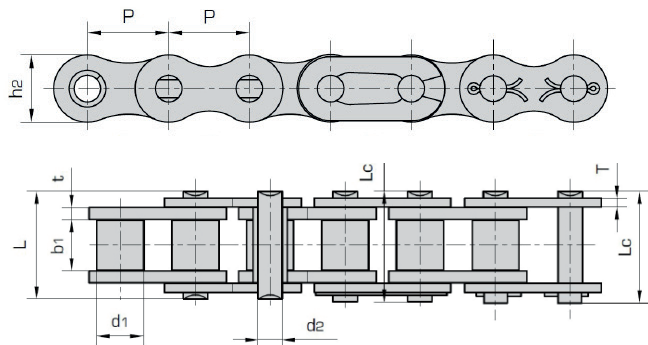


Technical highlights

- 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
- Low speed operation of max 50 m/min
- 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

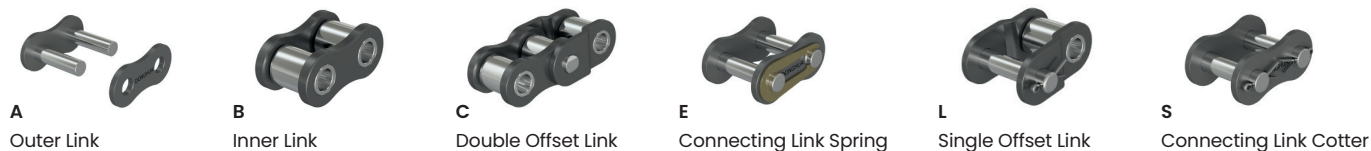
Industries

- Agricultural machinery
- Construction
- Wood industry
- Material handling



Donghua Chain no.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Transverse pitch	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	Pt	F min	F min	F Average	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kN
ANSI-Simplex													
50-1 HV	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	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	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	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	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	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	50,800	28,58	31,55	14,27	68,2	73,0	47,80	7,20	-	226,80	236,8	270,0	10,10
ANSI-Duplex													
#60-2 HV	19,050	11,91	12,57	5,94	55,3	57,1	18,00	3,25	26,11	62,6	76,0	106,0	3,00
#Special sprocket required due to the wider transverse pitch than ANSI standard													

#Special sprocket required due to the wider transverse pitch than ANSI standard



Notes

- Duplex & Triplex chains are available on request
- Different sizes are available upon request

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