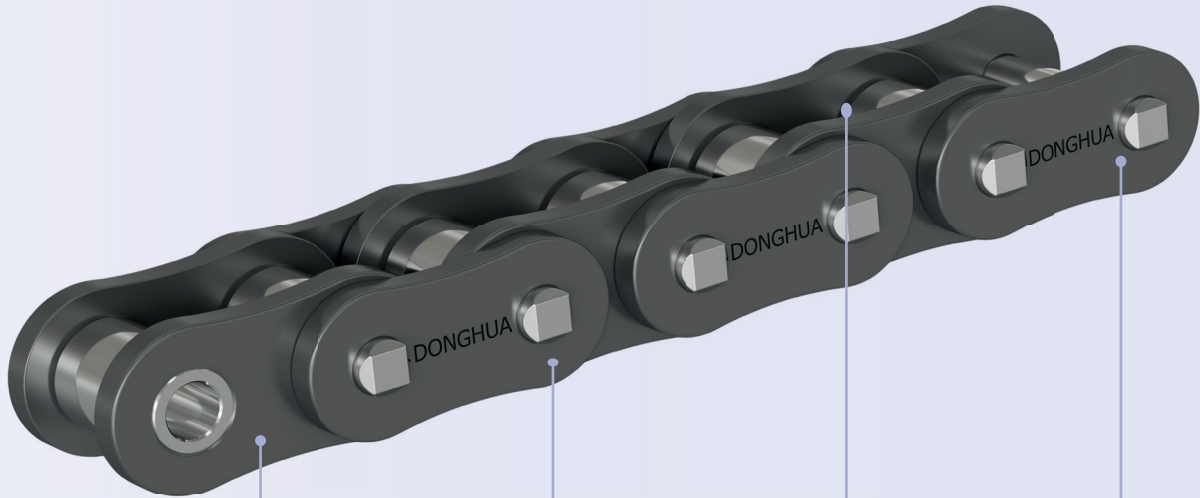


SP (Super Power)

Special plate design for exceptional performance



Calibrated plate holes

Wide waist plate design

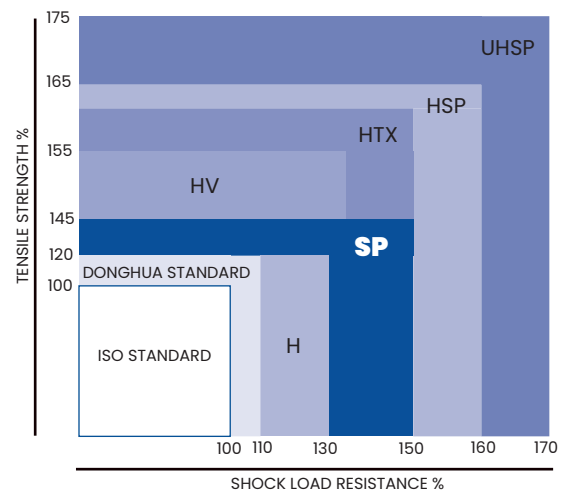
Through-hardened pins

Special pin material

SP (Super Power)

The SP Series roller chains are designed for exceptional strength and durability in demanding applications. Through-hardened pins increase tensile strength and ensure reliable performance under high static and shock loads.

Optimized wide waist plates, calibrated plate holes, and precision press-fits between pins and plates provide excellent fatigue resistance.

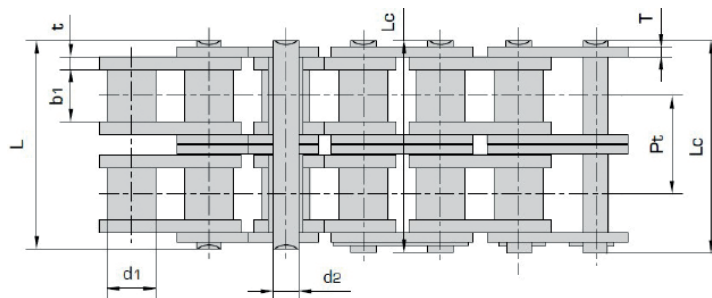
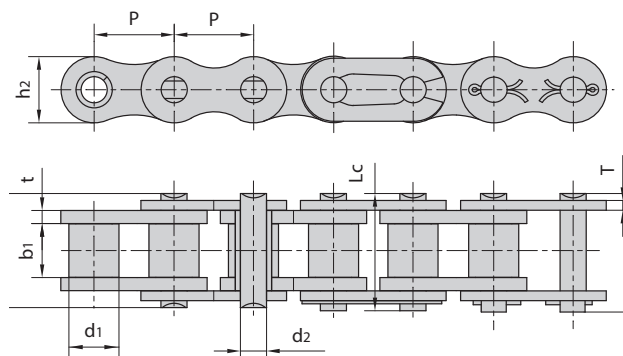


Technical highlights

- Through-hardened pins
- Excellent pin-to-plate fit due to calibrated plate holes
- Wide waist plate design
- Up to 50% higher fatigue strength compared to the ISO standard
- Up to 45% higher tensile strength compared to the ISO standard
- Quad-riveted pins for ANSI 80 and higher
- Plate thickness equal to the standard ANSI range
- Chains are pre-loaded at 40–50% of the breaking load
- Standard pre-lubrication with DH-1 (temperature range: -5 °C to 80 °C)
- Alternative lubricants available for special applications upon request

Industries

- Agricultural machinery
- Construction
- Mining/Drill rigs



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													
60-1 SP	19,050	11,91	12,57	5,94	25,90	27,70	18,00	2,42	-	31,80	48,0	49,0	1,65
80-1 SP	25,400	15,88	15,75	7,92	32,70	35,00	24,00	3,25	-	56,70	77,5	85,3	2,86
100-1 SP	31,750	19,05	18,90	9,53	40,40	44,70	30,00	4,00	-	88,50	115,5	127,0	4,21
120-1 SP	38,100	22,23	25,22	11,10	50,30	54,30	35,70	4,80	-	127,00	165,0	186,0	6,36
140-1 SP	44,450	25,40	25,22	12,70	54,40	59,00	41,00	5,60	-	172,40	222,7	245,0	8,04
160-1 SP	50,800	28,58	31,55	14,27	64,80	69,60	47,80	6,40	-	226,80	285,5	314,0	10,80
ANSI-Duplex													
60-2 SP	19,050	11,91	12,57	5,94	48,80	50,50	18,00	2,42	22,78	62,60	95,0	96,0	3,29
80-2 SP	25,400	15,88	15,75	7,92	62,70	64,30	24,00	3,25	29,29	111,20	155,0	170,6	5,69
100-2 SP	31,750	19,05	18,90	9,53	76,40	80,50	30,00	4,00	35,76	174,00	231,0	255,0	8,50
120-2 SP	38,100	22,23	25,22	11,10	95,80	99,70	35,70	4,80	45,44	250,00	339,0	373,0	12,63
140-2 SP	44,450	25,40	25,22	12,70	103,30	107,90	41,00	5,60	48,87	340,00	445,5	490,0	15,92
160-2 SP	50,800	28,58	31,55	14,27	123,30	128,10	47,80	6,40	58,55	446,00	571,0	628,0	21,43



Notes

- Different sizes are available on request

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