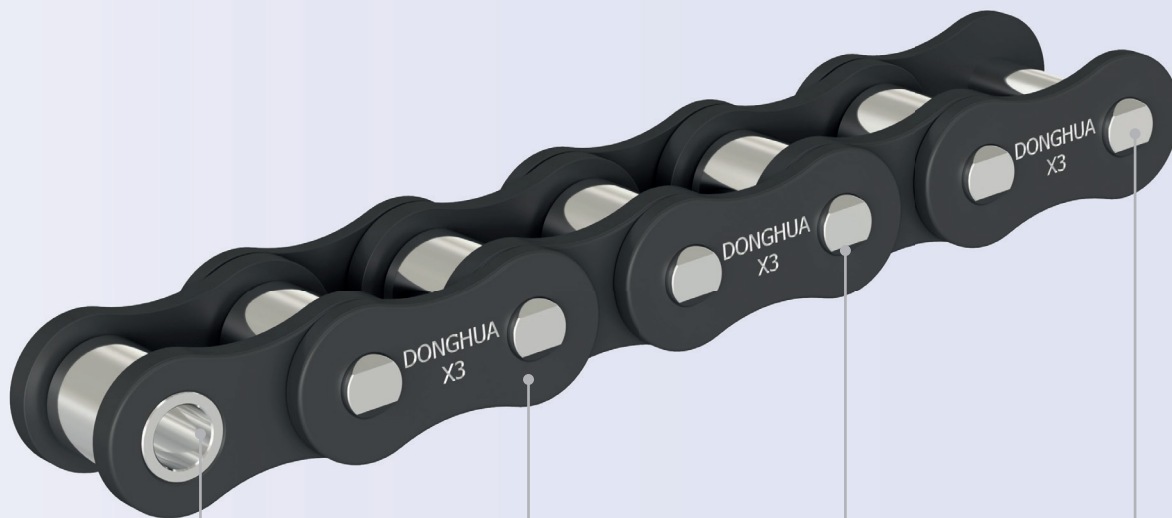




High precession
and service life

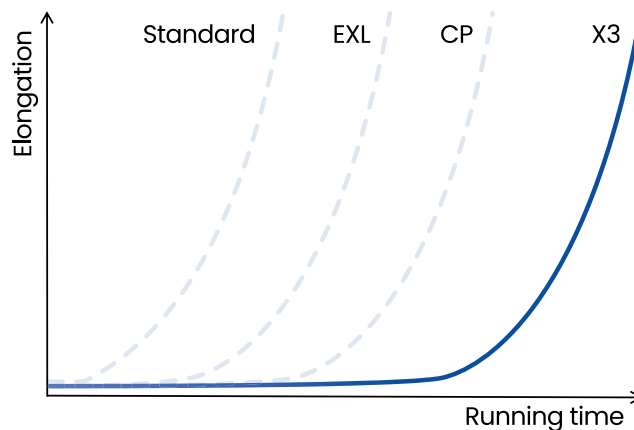
Improved
fatigue, tensile
strength

Calibrated pin
and bushing
holes

Unique Pin
coating

X³ (Premium)

The X³ chain is a first-class roller chain with the latest technology. With a service life more than three times longer than standard chains, superior wear resistance, and improved fatigue strength, the X³ minimizes downtime and ensures reliability. High-performance materials, advanced heat treatment, and anti-friction pin coating deliver exceptional durability in demanding applications, while precision stamping ensures peak functionality, making it the ultimate choice for top performance.

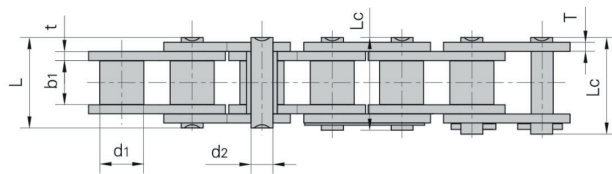
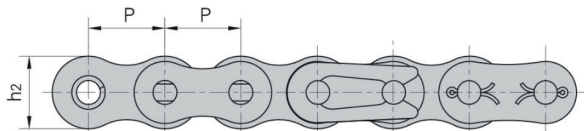


Technical highlights

- Ultra-low friction (energy efficient)
- More than 3x longer service life
- Smooth running properties
- High precision applications
- High speed applications compatible
- Seamless bush and roller (Extruded)
- Quad riveted pin
- Chains pre-tensioned 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

- Pharmaceutical
- Bottling
- Automotive
- Fruit and vegetables sorting
- Packaging
- Confectionary
- Textiles



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 606	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 X3	9,525	6,35	5,72	3,28	13,15	14,10	8,20	1,30	9,00	9,90	11,00	0,41
08B-1 X3	12,700	8,51	7,75	4,45	16,70	18,20	11,80	1,60	18,00	20,80	23,10	0,69
10B-1 X3	15,875	10,16	9,65	5,08	19,50	20,90	14,70	1,70	22,40	28,20	31,35	0,93
12B-1 X3	19,050	12,07	11,68	5,72	22,50	24,20	16,00	1,85	29,00	32,70	36,30	1,15
16B-1 X3	25,400	15,88	17,02	8,28	36,10	37,40	21,00	4,15/3,1	60,00	69,30	77,00	2,71
20B-1 X3	31,750	19,05	19,56	10,19	41,30	45,00	26,40	4,5/3,5	95,00	105,60	117,37	3,70
24B-1 X3	38,100	25,40	25,40	14,63	53,40	57,80	33,20	6,0/4,8	160,00	174,20	193,60	7,10
28B-1 X3	44,450	27,94	30,99	15,90	65,10	69,50	36,70	7,5/6,0	200,00	227,70	253,00	8,50
32B-1 X3	50,800	29,21	30,99	17,81	66,00	71,00	42,00	7,0/6,0	250,00	250,00	308,00	10,25
ANSI-Simplex												
*35-1 X3	9,525	5,08	4,77	3,58	12,40	13,17	9,00	1,30	7,90	9,90	11,00	0,33
40-1 X3	12,700	7,95	7,85	3,96	16,60	17,80	12,00	1,50	14,10	20,80	23,10	0,62
50-1 X3	15,870	10,16	9,40	5,08	20,70	22,20	15,09	2,03	22,20	28,20	31,35	1,02
60-1 X3	19,050	11,91	12,57	5,94	25,90	27,70	18,00	2,42	31,80	32,70	36,30	1,50
80-1 X3	25,400	15,88	15,75	7,92	32,70	35,00	24,00	3,25	56,70	69,30	77,00	2,60
100-1 X3	31,750	19,05	18,90	9,53	40,40	44,70	30,00	4,00	88,50	105,60	117,37	3,91
120-1 X3	38,100	22,23	25,22	11,10	50,30	54,30	35,70	4,80	127,00	174,20	193,60	5,62
140-1 X3	44,450	25,40	25,22	12,70	54,40	59,00	41,00	5,60	172,40	227,70	253,00	7,50
160-1 X3	50,800	28,58	31,55	14,27	64,80	69,60	47,80	6,40	226,80	277,20	308,00	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

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