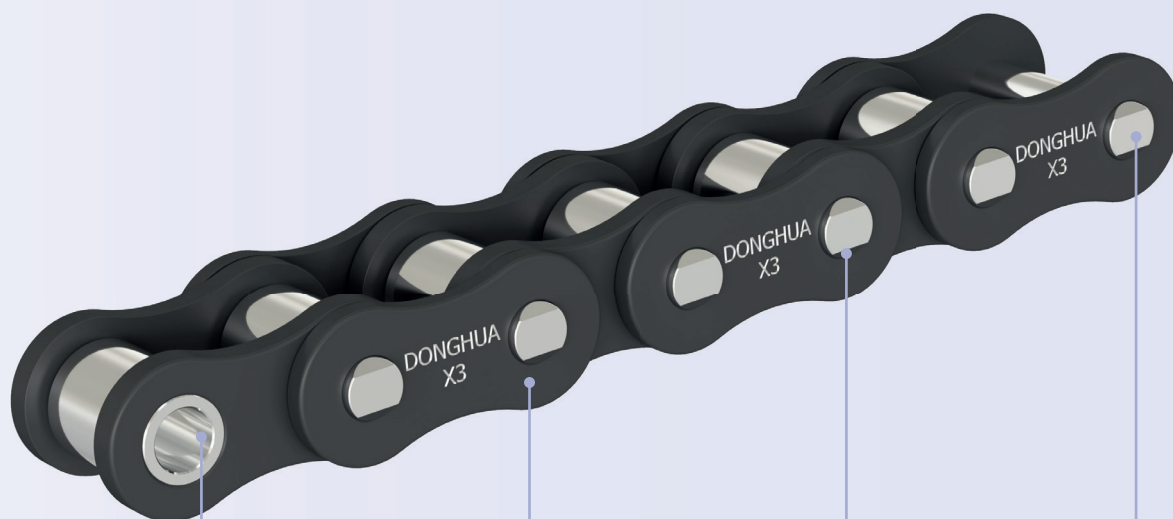




High precision
and service life

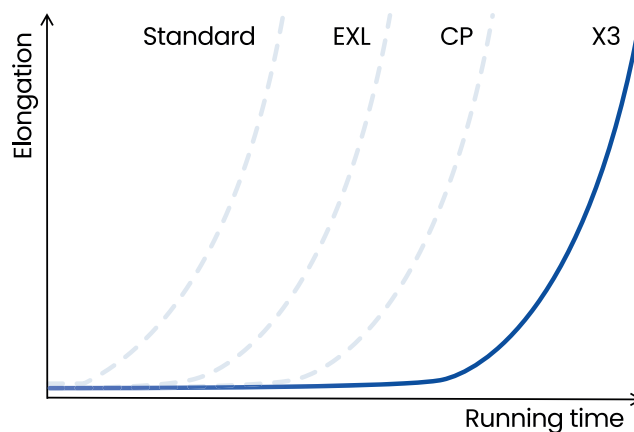
Improved
fatigue, tensile
strength

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.

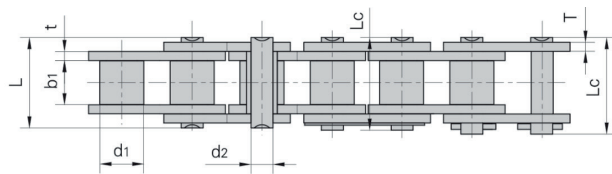
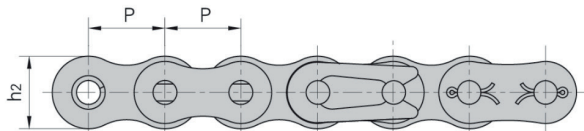


Technical highlights

- Ultra-low friction (energy efficient)
- More than 3x longer service life
- Smooth running properties
- High precision applications
- Compatible with high speed applications
- 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 P	Roller diameter d1 max	Width between inner plates b1 min	Pin diameter d2 max	Pin length L max	Pin length Lc max	Inner plate depth h2 max	Plate thickness t/T max	Tensile strength			Weight per meter q
									Acc. to ISO 606	Acc. to Donghua		
									F min	F min	F Average	
	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kN	kg/m
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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