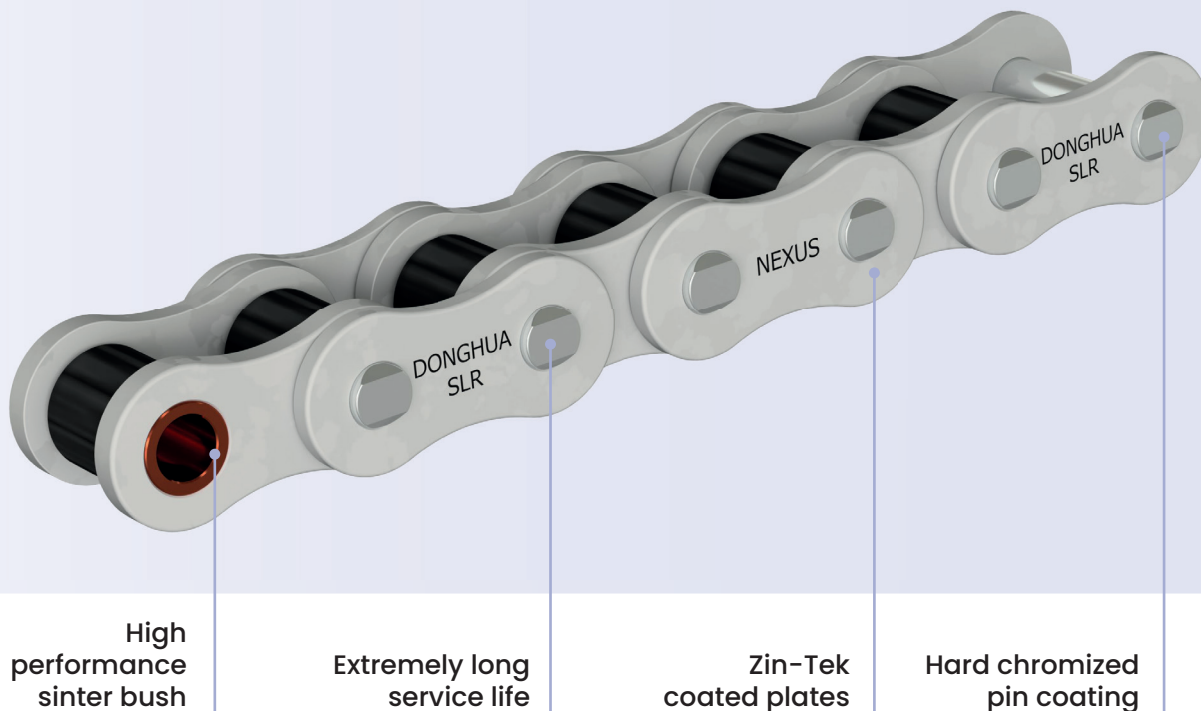
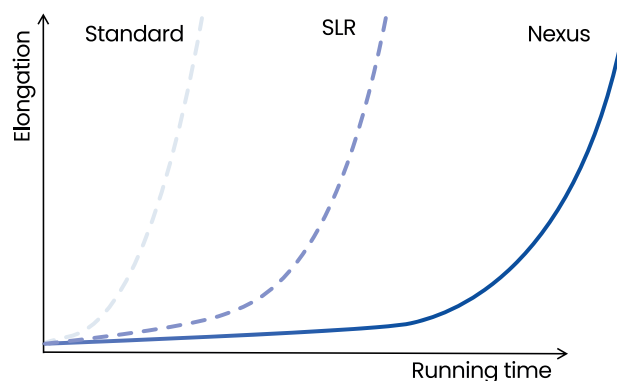




SLR Nexus

Donghua NEXUS is the next generation maintenance free roller chains designed for application where no maintenance is required. The Nexus has Zin-Tek coated plates and blackened rollers for high corrosion resistance. Hard chromized pins for a extremely long service life. The high performance sinter bush impregnated with NSF-H1 food-grade lubricant, which provides continuous lubrication during operation, ensuring long-lasting performance. The NEXUS is suitable for high speed applications more than 3 m/s.

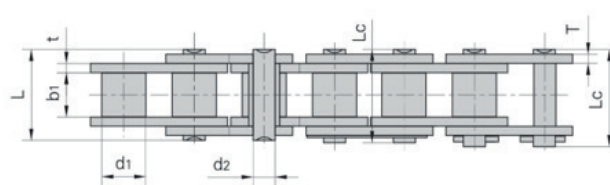
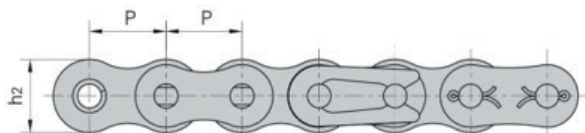


Technical highlights

- Zin-Tek coated plates
- Corrosion resistance for over 1000 hours salt spray test
- Hard chromized pin coating ($\pm 1100\text{HV}$)
- High performance sinter bush impregnated with NSF-H1 food-grade lubricant
- No reduction in maximum allowable working and breaking loads
- High speed applications, $v > 3 \text{ m/s}$
- Clean handling, prevents conveyed product contamination
- Reduction in maintenance cost
- Temperature range from -40 to 150°C

Industries

- Electrical industry
- Packaging industry
- Food and beverage (non-contact)
- Paper industry
- Textile industry
- Automotive industry
- Conveyor industry
- Wood, glass, and ceramic processing



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	mm	kN	kN	kN
BS-Simplex												
#06B-1 NEXUS	9,525	6,35	5,72	3,28	13,15	14,10	8,20	1,30	9,00	9,40	10,40	0,41
08B-1 NEXUS	12,700	8,51	7,75	4,45	16,70	18,20	11,80	1,60	18,00	18,00	19,40	0,69
10B-1 NEXUS	15,875	10,16	9,65	5,08	19,50	20,90	14,70	1,70	22,40	24,80	27,50	0,93
12B-1 NEXUS	19,050	12,07	11,68	5,72	22,50	24,20	16,00	1,85	29,00	29,00	32,20	1,15
16B-1 NEXUS	25,400	15,88	17,02	8,28	36,10	37,40	21,00	4,15/3,1	60,00	69,40	77,10	2,71
20B-1 NEXUS	31,750	19,05	19,56	10,19	41,30	45,00	26,40	4,5/3,5	95,00	101,50	112,80	3,70
24B-1 NEXUS	38,100	25,40	25,40	14,63	53,40	57,80	33,20	6,0/4,8	160,00	160,20	178,00	7,10
28B-1 NEXUS	44,450	27,94	30,99	15,90	65,10	69,50	36,70	7,5/6,0	200,00	212,80	236,40	8,50
32B-1 NEXUS	50,800	29,21	30,99	17,81	66,00	71,00	42,00	7,0/6,0	250,00	250,00	277,50	10,25
ANSI-Simplex												
40-1 NEXUS	12,700	7,95	7,85	3,96	16,60	17,80	12,00	1,50	14,10	16,70	18,60	0,62
50-1 NEXUS	15,870	10,16	9,40	5,08	20,70	22,20	15,09	2,03	22,20	28,20	31,30	1,02
60-1 NEXUS	19,050	11,91	12,57	5,94	25,90	27,70	18,00	2,42	31,80	38,90	43,20	1,50
80-1 NEXUS	25,400	15,88	15,75	7,92	32,70	35,00	24,00	3,25	56,70	66,90	74,30	2,60
100-1 NEXUS	31,750	19,05	18,90	9,53	40,40	44,70	30,00	4,00	88,50	96,80	107,60	3,91
120-1 NEXUS	38,100	22,23	25,22	11,10	50,30	54,30	35,70	4,80	127,00	146,80	163,10	5,62
140-1 NEXUS	44,450	25,40	25,22	12,70	54,40	59,00	41,00	5,60	172,40	200,30	222,50	7,50
160-1 NEXUS	50,800	28,58	31,55	14,27	64,80	69,60	47,80	6,40	226,80	240,20	266,90	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

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