

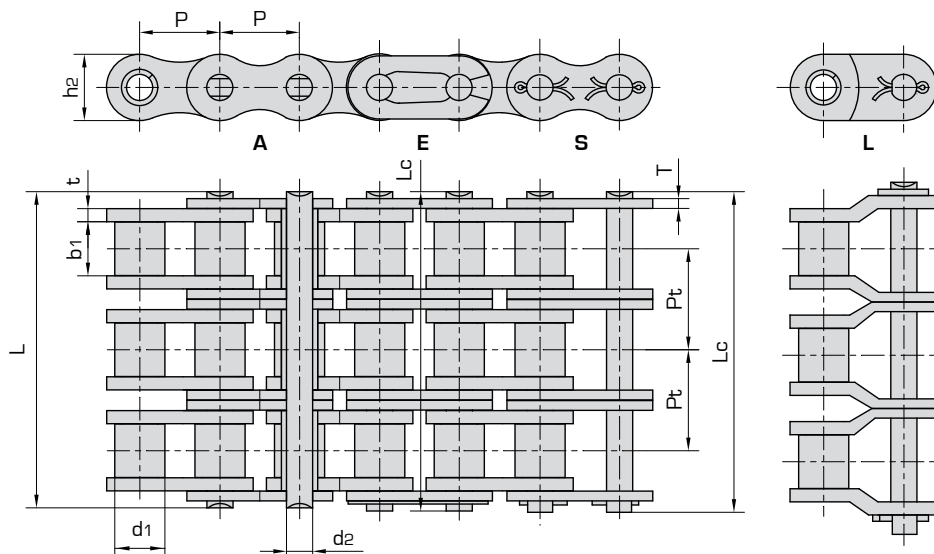
Short pitch precision roller chains (A series)

Nickel Plated

Triplex roller chains & bush chains

Part nr.	DIN/ISO 606 Chain no.	ANSI Chain no.	Pitch	Roller	Width	Pin	Pin length		Inner	Plate	Transverse pitch
				diameter	between	diameter	L max	Lc max	plate	thickness	
				d1 max	inner	d2 max	mm	mm	depth	mm	
			P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	
			mm	mm	mm	mm	mm	mm	mm	mm	
10025-3NP	*04C-3	*25-3	6,350	3,30	3,18	2,31	21,0	21,5	6,00	0,80	6,40
10035-3NP	*06C-3	*35-3	9,525	5,08	4,77	3,58	32,7	33,5	9,00	1,30	10,13
10040-3NP	08A-3	40-3	12,700	7,95	7,85	3,96	45,4	46,6	12,00	1,50	14,38
10050-3NP	10A-3	50-3	15,875	10,16	9,40	5,08	57,0	58,5	15,09	2,03	18,11
10060-3NP	12A-3	60-3	19,050	11,91	12,57	5,94	71,5	73,3	18,00	2,42	22,78
10080-3NP	16A-3	80-3	25,400	15,88	15,75	7,92	91,7	93,6	24,00	3,25	29,29
100100-3NP	20A-3	100-3	31,750	19,05	18,90	9,53	112,2	116,3	30,00	4,00	35,76
100120-3NP	24A-3	120-3	38,100	22,23	25,22	11,10	141,4	145,2	35,70	4,80	45,44
100140-3NP	28A-3	140-3	44,450	25,40	25,22	12,70	152,2	156,8	41,00	5,60	48,87
100160-3NP	32A-3	160-3	50,800	28,58	31,55	14,27	181,8	186,6	47,80	6,40	58,55
100180-3NP	36A-3	180-3	57,150	35,71	35,48	17,46	204,4	210,2	53,60	7,20	65,84
100200-3NP	40A-3	200-3	63,500	39,68	37,85	19,85	223,5	230,4	60,00	8,00	71,55
100240-3NP	48A-3	240-3	76,200	47,63	47,35	23,81	271,3	278,6	72,39	9,50	87,83

* Bush chain: d1 in the table indicates the external diameter of the bush.



Ultimate tensile strength	Average tensile strength	Weight per meter	Available chain parts				
Q min	Q0	q	E	S	L	C	A
kN/lbf	kN	kg/m					
10.5/2386	15,0	0,44	X			X	X
23.7/5386	33,9	1,05	X			X	X
42.3/9614	55,8	1,90	X		X		X
66.6/15136	93,9	3,09	X		X		X
95.4/21682	129,6	4,54	X		X		X
170.1/38659	222,9	7,89	X		X		X
265.5/60341	322,8	11,77		X	X		X
381.0/86591	489,3	17,53		X	X		X
517.2/117545	667,5	22,20		X	X		X
680.4/154636	800,7	30,02		X	X		X
840.7/191068	1083,3	38,22		X	X		X
1061.4/241227	1400,4	49,03		X	X		X
1530.9/347932	2014,8	71,60		X	X		X



Donghua Nickel Plated Roller Chains are developed to offer good wear and corrosion resistance. For special applications we deliver Chemical Nickel Plating on request. All Donghua roller chains are: Pre-loaded, Fatigue resistant, Wear resistant and Pre-lubricated. Donghua simplex, duplex and triplex roller chains are manufactured according to ISO 606 DIN8187, standard pre-loaded, pre-lubricated, do have seamless rollers and are marked with production batch code number for complete traceability. All Donghua roller chains are sealed in plastic bags and packed in cardboard boxes with clear ISO 606 DIN descriptions and safety instructions. Standard packaging size is 5 meter box, reels are available on request. Cut to length service is available on request. Several test certificates like breaking load, length tolerance and material analyses are possible and available on request. Rollers chains which are needed for 'run as pairs' applications can be matched as pairs on request. DIN, 1/2DIN and 1/3DIN length tolerance are possible, please ask us for a quotation. For high temperature, low temperature, food application or special environments different kind of special lubricants are available. Please ask our sales team for any special needs. For drive chain calculation and right dimension check, please contact our engineering department, also see drive chain calculation data sheet on page 301. By filling this data sheet and sending this to our engineering department you will receive a detailed drive chain calculation including life time expectation. Sprockets are available for all roller chains, with pilot bore, fixed bore, keyway, setscrew or bearing bore with grooves. Standard toothing, hardened toothing or special toothing are possible with pilot bore, fixed bore or taper bush. Chain tools, tensioners and chain lubricants please see page 302-310.