

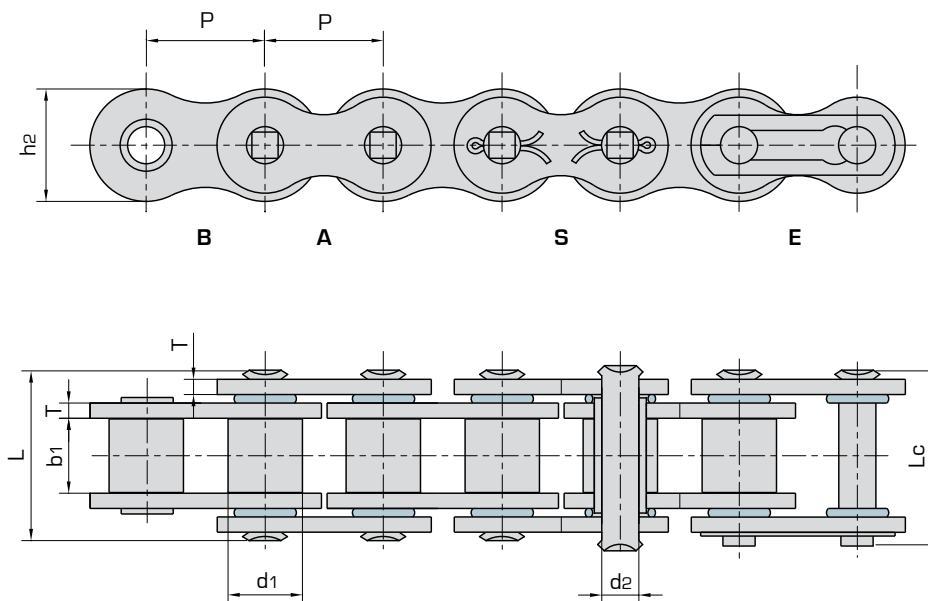
Short pitch precision roller chains (B series)

O-ring

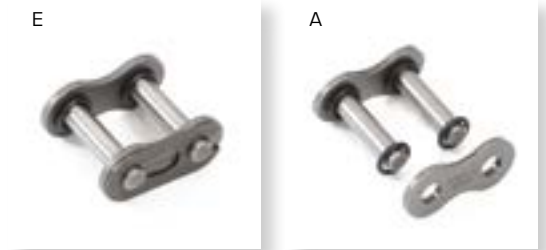
Simplex roller chains

Part nr.	DIN/ISO 606 Chain no.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness
						L max	Lc max		
						P	d1 max		
		mm	mm	mm	mm	mm	mm	mm	mm
10008B-1OR	08B-1 OR	12,700	8,51	7,75	4,45	18,80	19,9	11,80	1,60
10010B-1OR*	10B-1 OR*	15,875	10,16	9,40	5,08	23,10	24,8	15,09	2,03
10012B-1OR	12B-1 OR	19,050	12,07	11,68	5,72	22,50	24,2	16,00	1,85
10016B-1OR	16B-1 OR	25,400	15,88	17,02	8,28	36,10	37,4	21,00	4,15/3,1
10020B-1OR	20B-1 OR	31,750	19,05	19,56	10,19	41,30	45,0	26,40	4,50/3,5
10024B-1OR	24B-1 OR	38,100	25,40	25,40	14,63	53,40	57,8	33,20	6,00/4,8

* Equal to ANSI 50-1 OR



Ultimate tensile strength	Average tensile strength	Weight per meter	Available chain parts						
Q min	Q0	q							
kN/lbf	kN	kg/m	E	S	L	C	A	B	
18,0/4091	19,4	0,74	X				X	X	
22,2/5045	29,4	1,19	X				X	X	
29,0/6591	32,2	1,15	X				X	X	
60,0/13636	72,8	2,71	X				X	X	
95,0/21591	106,7	3,70		X			X	X	
160,0/36364	178,0	7,10		X			X	X	



Our DONGHUA O-ring SERIES is within our Solution product range offering better wear resistance, better fatigue resistance and higher precision than our standard range. The superior quality, durability and outstanding wear and fatigue resistance are realized by an O-ring design between inner and outer plates, solid bushes and solid rollers and special highly sophisticated long lasting lubricant. The O-rings and/or X-rings keep the dust and pollution outside the pin/bush area and the long lasting lubricant inside the pin/bush area. 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.