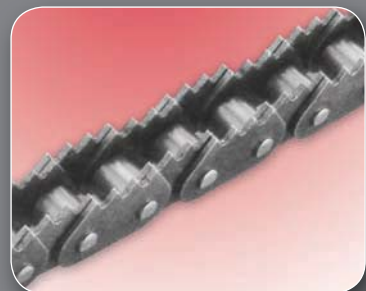
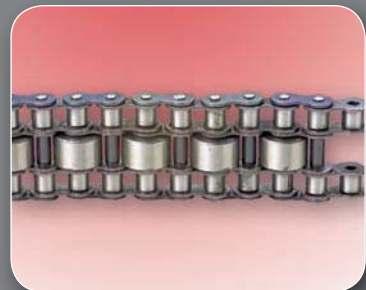




## A - Transmission roller chains





## A - Transmission roller chains

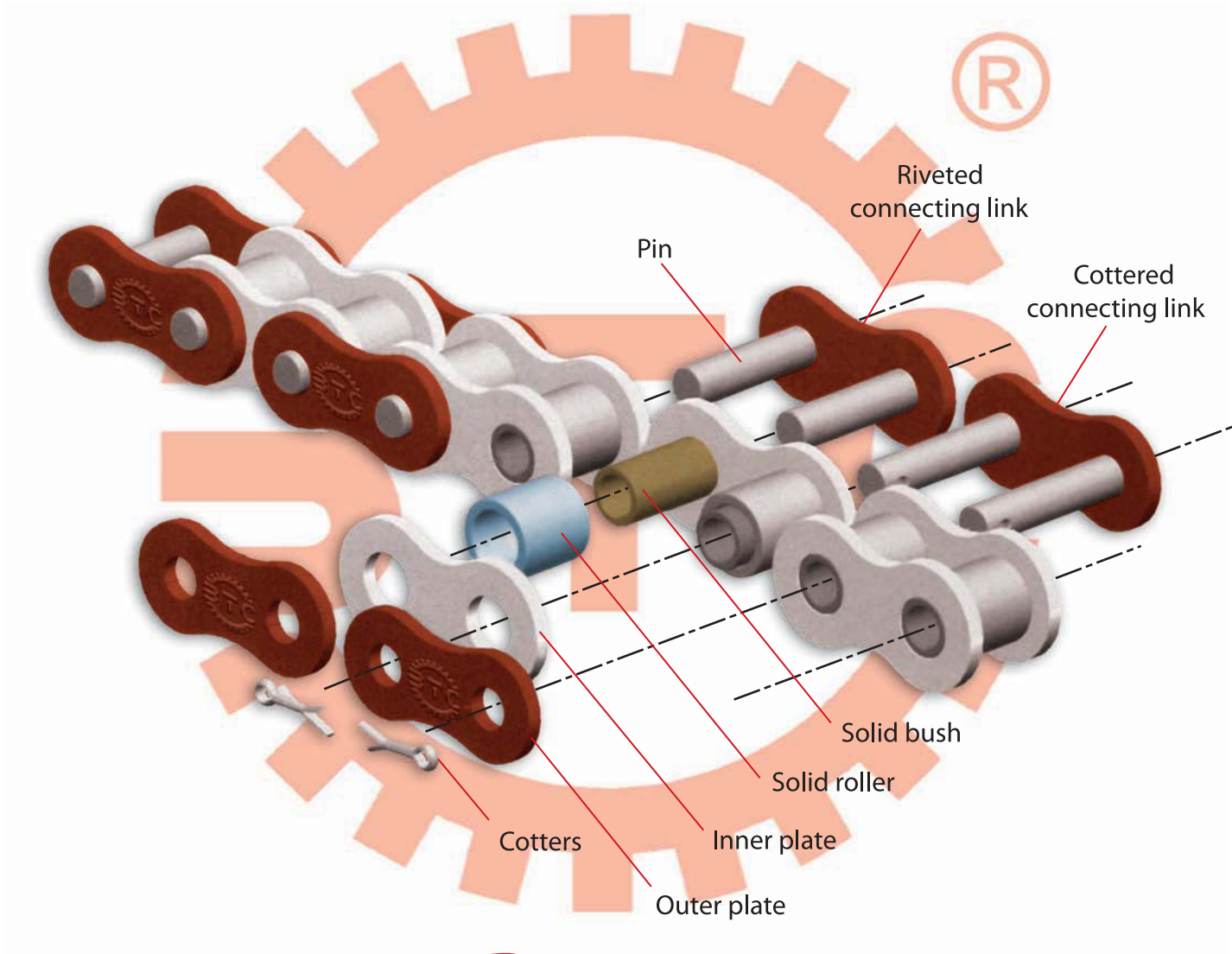
• Chain parts & connecting parts	A2 - A3
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• Zinc plated roller chains	A15
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## Roller chain structure

ROLLER CHAINS



# Better Technology Chains



## Chain parts and connecting parts of roller chains



**RL**  
Roller link or inner link



**RCL**  
Pin link  
Press-fit



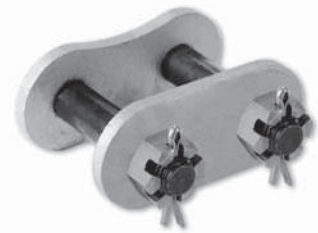
**SP**  
Sideplate  
Press-fit or slip-fit



**SCL**  
Connecting link with spring clip.  
Slip-fit



**CCL**  
Connecting link with cotter.  
Slip-fit



**CCLM**  
Screwed connecting link



**OL**  
One-pitch offset link with cotter



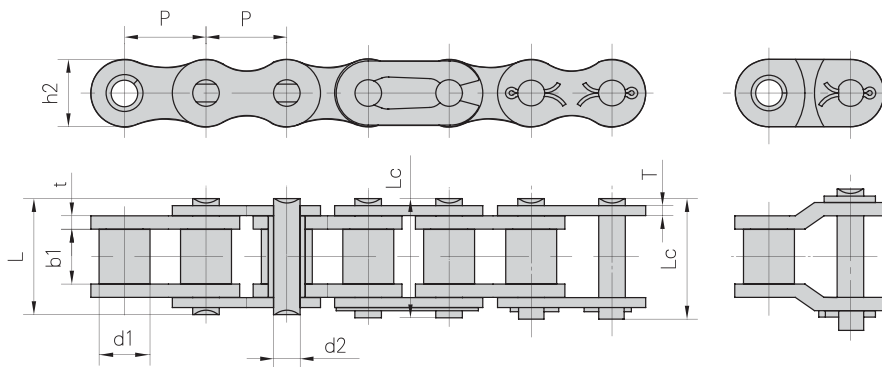
**OLRL**  
Two-pitch offset link



**OLM**  
Screwed offset link

# High precision roller chains DIN 8187 ISO 606 - European standard

Simplex



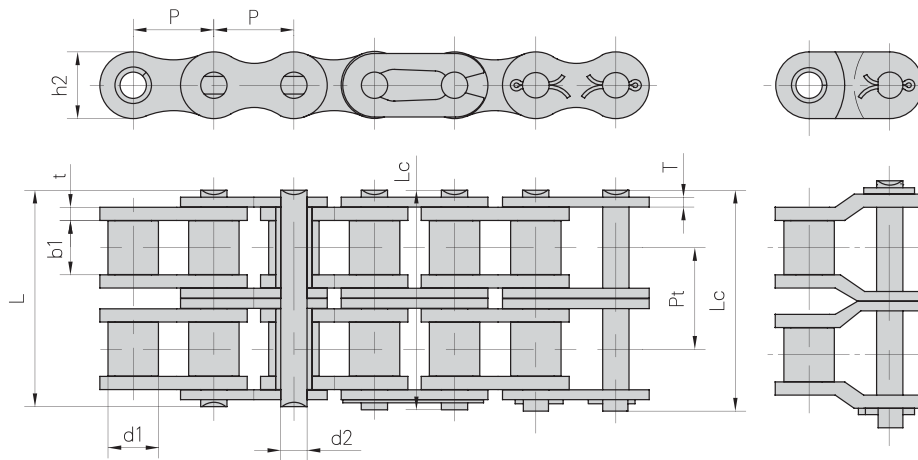
DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Min. breaking load	Average tensile strength	Weight per meter
					L max	Lc max					
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	Q min	Q0	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
04-1	6,00	4,00	2,80	1,85	6,80	7,8	5,00	0,60	3,0/682	3,2	0,11
05B-1	8,00	5,00	3,00	2,31	8,20	8,9	7,10	0,80	5,0/1136	5,9	0,20
*06B-1	9,525	6,35	5,72	3,28	13,15	14,1	8,20	1,30	9,0/2045	10,4	0,41
08B-1	12,70	8,51	7,75	4,45	16,70	18,2	11,80	1,60	18,0/4091	19,4	0,69
10B-1	15,875	10,16	9,65	5,08	19,50	20,9	14,70	1,70	22,4/5091	27,5	0,93
12B-1	19,05	12,07	11,68	5,72	22,50	24,2	16,00	1,85	29,0/6591	32,2	1,15
16B-1	25,40	15,88	17,02	8,28	36,10	37,4	21,00	4,15/3,1	60,0/13636	72,8	2,71
20B-1	31,75	19,05	19,56	10,19	41,30	45,0	26,40	4,5/3,5	95,0/21591	106,7	3,70
24B-1	38,10	25,40	25,40	14,63	53,40	57,8	33,20	6,0/4,8	160,0/36364	178,0	7,10
28B-1	44,45	27,94	30,99	15,90	65,10	69,5	36,70	7,5/6,0	200,0/45455	222,0	8,50
32B-1	50,80	29,21	30,99	17,81	66,00	71,0	42,00	7,0/6,0	250,0/56818	277,5	10,25
40B-1	63,50	39,37	38,10	22,89	82,20	89,2	52,96	8,5/8,0	355,0/80682	394,0	16,35
48B-1	76,20	48,26	45,72	29,24	99,10	107,0	63,80	12,0/10,0	560,0/127272	621,6	25,00
56B-1	88,90	53,98	53,34	34,32	114,6	123,0	77,80	13,5/12,0	850,0/193180	940,0	35,78
64B-1	101,60	63,50	60,96	39,40	130,0	138,5	90,17	15,0/13,0	112,0/254544	1240,0	46,00
72B-1	114,30	72,39	68,58	44,48	147,4	156,4	103,60	17,0/15,0	1400,0/318180	1550,0	60,80

\* Straight side plates



# High precision roller chains DIN 8187 ISO 606 - European standard

Duplex



DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	Pt	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
05B-2	8,000	5,00	3,00	2,31	13,9	14,5	7,10	0,80	5,64	7,8/1773	10,2	0,33
*06B-2	9,525	6,35	5,72	3,28	23,4	24,4	8,20	1,30	10,24	16,9/3841	18,7	0,77
08B-2	12,700	8,51	7,75	4,45	31,2	32,2	11,80	1,60	13,92	32,0/7273	38,7	1,34
10B-2	15,875	10,16	9,65	5,08	36,1	37,5	14,70	1,70	16,59	44,5/10114	56,2	1,84
12B-2	19,050	12,07	11,68	5,72	42,0	43,6	16,00	1,85	19,46	57,8/13136	66,1	2,31
16B-2	25,400	15,88	17,02	8,28	68,0	69,3	21,00	4,15/3,1	31,88	106,0/24091	133,0	5,42
20B-2	31,750	19,05	19,56	10,19	77,8	81,5	26,40	4,5/3,5	36,45	170,0/38636	211,2	7,20
24B-2	38,100	25,40	25,40	14,63	101,7	106,2	33,20	6,0/4,8	48,36	280,0/63636	319,2	13,40
28B-2	44,450	27,94	30,99	15,90	124,6	129,1	36,70	7,5/6,0	59,56	360,0/81818	406,8	16,60
32B-2	50,800	29,21	30,99	17,81	124,6	129,6	42,00	7,0/6,0	58,55	450,0/102273	508,5	21,00
40B-2	63,500	39,37	38,10	22,89	154,5	161,5	52,96	8,5/8,0	72,29	630,0/143182	711,9	32,00
48B-2	76,200	48,26	45,72	29,24	190,4	198,2	63,80	12,0/10,0	91,21	1000,0/227272	1130,0	50,00
56B-2	88,900	53,98	53,34	34,32	221,2	229,6	77,80	13,5/12,0	106,60	1600,0/363635	1760,0	71,48
64B-2	101,600	63,50	60,96	39,40	249,9	258,4	90,17	15,0/13,0	119,89	2000,0/454544	2200,0	91,00
72B-2	114,300	72,39	68,58	44,48	283,7	292,7	103,60	17,0/15,0	136,27	2500,0/568180	2750,0	120,40

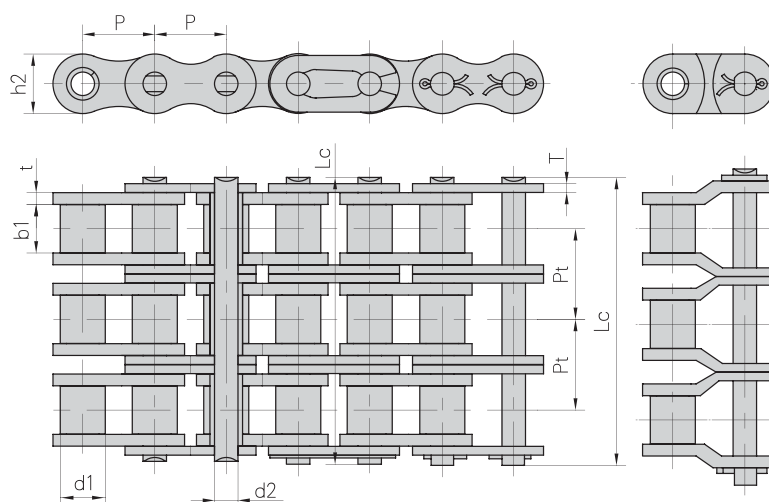
\* Straight side plates



# High precision roller chains DIN 8187 ISO 606 - European standard

*Triplex*

ROLLER CHAINS

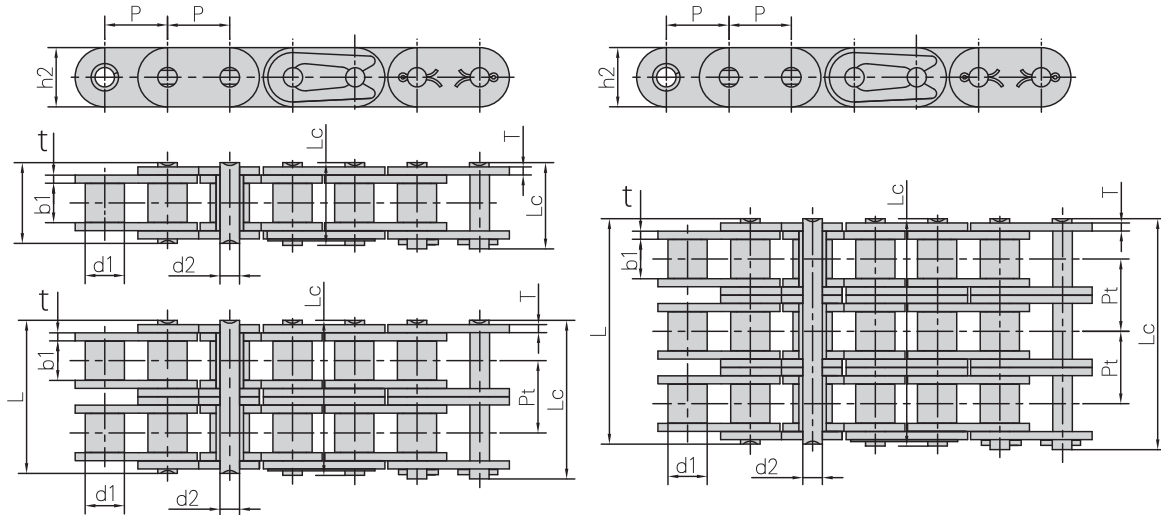


DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter			
				d1 max	b1 min	d2 max	L max							Lc max	h2 max	t/T max
				mm	mm	mm	mm							mm	mm	mm
05B-3	8,000	5,00	3,00	2,31	19,5	20,2	7,10	0,80	5,64	11,1/2523	13,8	0,48				
*06B-3	9,525	6,35	5,72	3,28	33,5	34,6	8,20	1,30	10,24	24,9/5659	30,1	1,16				
08B-3	12,700	8,51	7,75	4,45	45,1	46,1	11,80	1,60	13,92	47,5/10795	57,8	2,03				
10B-3	15,875	10,16	9,65	5,08	52,7	54,1	14,70	1,70	16,59	66,7/15159	84,5	2,77				
12B-3	19,050	12,07	11,68	5,72	61,5	63,1	16,00	1,85	19,46	86,7/19705	101,8	3,46				
16B-3	25,400	15,88	17,02	8,28	99,8	101,2	21,00	4,15/3,1	31,88	160,0/36364	203,7	8,13				
20B-3	31,750	19,05	19,56	10,19	114,2	117,9	26,40	4,5/3,5	36,45	250,0/56818	290,0	10,82				
24B-3	38,100	25,40	25,40	14,63	150,1	154,6	33,20	6,0/4,8	48,36	425,0/96591	493,0	20,10				
28B-3	44,450	27,94	30,99	15,90	184,2	188,7	36,70	7,5/6,0	59,56	530,0/120454	609,5	24,92				
32B-3	50,800	29,21	30,99	17,81	183,2	188,2	42,00	7,0/6,0	58,55	670,0/152273	770,5	31,56				
40B-3	63,500	39,37	38,10	22,89	226,8	233,8	52,96	8,5/8,0	72,29	950,0/215909	1092,5	48,10				
48B-3	76,200	48,26	45,72	29,24	281,6	289,4	63,80	12,0/10,0	91,21	1500,0/340909	1710,0	75,00				
56B-3	88,900	53,98	53,34	34,32	327,8	336,2	77,80	13,5/12,0	106,60	2240,0/545450	2240,0	107,18				
64B-3	101,60	63,50	60,96	39,40	369,8	378,3	90,17	15,0/13,0	119,89	3000,0/681820	3300,0	136,00				
72B-3	114,30	72,39	68,58	44,48	420,0	429,0	103,60	17,0/15,0	136,27	3750,0/852270	4125,0	180,00				

\* Straight side plates

# Straight side plates roller chains DIN 8187 ISO 606 - European standard

*Simplex, Duplex and Triplex*



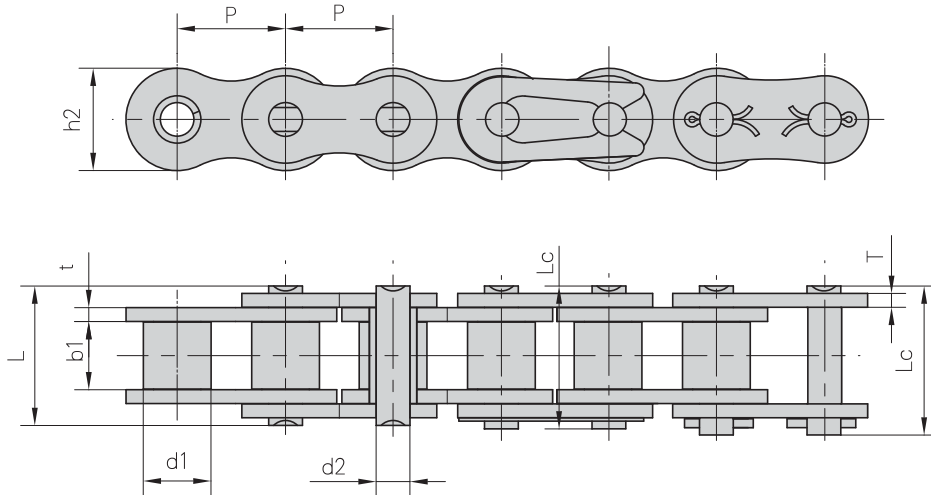
DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	Pt	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
GL08B-1	12,700	8,51	7,75	4,45	16,7	18,2	11,8	1,60		18,0/4091	19,5	0,80
GL10B-1	15,875	10,16	9,65	5,08	19,5	20,9	14,7	1,70		22,4/5091	27,9	1,06
GL12B-1	19,050	12,07	11,68	5,72	22,5	25,2	16,0	1,85		29,0/6591	32,2	1,32
GL16B-1	25,400	15,88	17,02	8,28	36,1	39,1	21,0/24,0	4,15/3,1		60,0/13636	72,8	3,08/3,49
GL20B-1	31,750	19,05	19,56	10,19	41,3	45,0	26,4	4,5/3,5		95,0/21591	106,7	4,16
GL24B-1	38,100	25,40	25,40	14,63	53,4	57,8	33,2	6,0/4,8		160,0/36364	178,0	7,47
GL28B-1	44,450	27,94	30,99	15,90	65,1	69,5	36,7	7,5/6,0		200,0/45455	222,0	9,90
GL32B-1	50,800	29,21	30,99	17,81	66,0	71,0	42,0	7,0/6,0		250,0/56818	277,5	10,45
GL08B-2	12,700	8,51	7,75	4,45	31,2	32,2	11,8	1,60	13,92	32,0/7273	38,7	1,45
GL10B-2	15,875	10,16	9,65	5,08	36,1	37,5	14,7	1,70	16,59	44,5/10114	57,8	2,00
GL12B-2	19,050	12,07	11,68	5,72	42,0	44,7	16,0	1,85	19,46	57,8/13136	66,1	2,62
GL16B-2	25,400	15,88	17,02	8,28	68,0	71,0	21,0/24,0	4,15/3,1	31,88	106,0/24091	133,0	6,10/6,92
GL20B-2	31,750	19,05	19,56	10,19	77,8	81,5	26,4	4,5/3,5	36,45	170,0/38636	211,2	8,23
GL24B-2	38,100	25,40	25,40	14,63	101,7	106,2	33,2	6,0/4,8	48,36	280,0/63636	319,2	14,77
GL28B-2	44,450	27,94	30,99	15,90	124,6	129,1	36,7	7,5/6,0	59,56	360,0/81818	406,8	19,82
GL32B-2	50,800	29,21	30,99	17,81	124,6	129,6	42,0	7,0/6,0	58,55	450,0/102273	508,5	20,94
GL08B-3	12,700	8,51	7,75	4,45	45,1	46,1	11,8	1,60	13,92	47,5/10795	57,8	2,10
GL10B-3	15,875	10,16	9,65	5,08	52,7	54,1	14,7	1,70	16,59	66,7/15159	84,5	2,87
GL12B-3	19,050	12,07	11,68	5,72	61,5	64,2	16,0	1,85	19,46	86,7/19705	101,8	3,89
GL16B-3	25,400	15,88	17,02	8,28	99,8	102,9	21,0/24,0	4,15/3,1	31,88	160,0/36364	203,7	9,12/10,34
GL20B-3	31,750	19,05	19,56	10,19	114,2	117,9	26,4	4,5/3,5	36,45	250,0/56818	290,0	11,34
GL24B-3	38,100	25,40	25,40	14,63	150,1	154,6	33,2	6,0/4,8	48,36	425,0/96591	493,0	22,10
GL28B-3	44,450	27,94	30,99	15,90	184,2	188,7	36,7	7,5/6,0	59,56	530,0/120454	609,5	29,64
GL32B-3	50,800	29,21	30,99	17,81	183,2	188,2	42,0	7,0/6,0	58,55	670,0/152273	770,5	31,27





# High precision roller chains - DIN 8187 ISO 606 - European standard

Heavy duty



Chain Nr.	Pitch	Roller diameter	Width between	Pin diam.	Pin length		Inner plate height	Plate Thickness	Ultimate strength	Tensile	Weight
	P	d1 max	b1 max	d2 max	L max	Lc max	h2 max	t/T max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
04BH	6,00	4,00	2,80	1,85	8,4	9,40	5,00	0,90	5,00/1136	5,3	0,14
453	9,525	6,00	3,30	2,78	9,6	12,70	9,00	1,08	7,2/1637	8,2	0,26
454	9,525	6,35	3,94	3,28	11,6	14,90	9,00	1,38	8,25/1875	9,4	0,36
081/331	12,70	7,75	3,30	3,66	10,2	11,70	9,90	1,25	8,00/1818	9,1	0,28
082/110	12,70	7,75	2,38	3,66	8,2	9,70	9,90	1,11	8,80/2000	10,0	0,26
083/415B	12,70	7,75	4,88	4,09	12,9	14,40	10,30	1,30	12,00/2727	14,2	0,45
084	12,70	7,75	4,88	4,09	14,8	16,30	11,10	1,95	10,55/2398	12,0	0,60
085/41	12,70	7,77	6,38	3,58	14,0	16,00	9,90	1,35	10,12/2300	11,5	0,38
5L/332	12,70	7,75	4,88	3,66	11,2	12,70	9,90	1,16	8,00/1818	9,1	0,33
428HSH	12,70	8,51	7,85	4,45	20,0	21,45	11,80	2,03	20,60/4682	23,4	0,79
RE217/423	12,70	8,51	6,40	4,45	15,4	18,90	11,60	1,70	19,60/4455	21,9	0,71
RE317/520F3	15,875	10,16	6,48	5,08	17,5	19,00	15,09	2,03	26,50/6022	29,7	0,89
RE425/515	19,05	12,07	13,50	5,72	28,6	31,30	16,20	3,00	33,50/7615	37,5	1,60
RE480/12BV	19,05	12,07	11,68	6,10	24,5	26,50	16,00	2,42	40,00/9090	44,8	1,45
12BF14	19,05	12,07	30,56	5,72	42,0	43,60	16,00	1,85	29,00/6591	32,2	2,13
RE487	20,00	12,00	16,00	6,00	32,1	35,90	19,00	3,25	35,50/8070	39,8	2,00
HE488	20,00	12,00	16,00	8,00	32,5	37,30	19,00	3,25	35,50/8070	39,8	2,00
RE514	25,40	14,00	12,70	7,00	27,3	33,10	19,70	3,20	45,00/10230	49,9	1,74
RE516/16BF5	25,40	15,88	12,70	8,28	30,8	32,10	20,00	3,5/3,0	50,00/11364	57,5	2,37
RE519/16BH	25,40	15,88	17,02	8,90	35,7	38,90	24,10	4,0/3,1	80,00/18182	94,2	3,11
* RZ519	25,40	15,88	17,02	8,90	67,8	72,00	24,10	4,0/3,1	160,00/36370	179,2	6,25
RE525	25,40	12,70	12,70	7,00	27,4	32,50	20,80	3,10	45,00/10230	49,7	1,59
RE626/552	30,00	15,88	17,02	8,28	35,5	41,90	20,50	4,10	63,00/14320	70,5	2,33
R38SH/24BH	38,10	25,40	25,40	14,63	58,6	63,40	36,20	7,5/6,0	225,00/51136	250,3	9,00
R44SH	44,45	27,94	30,99	15,90	66,3	71,10	40,80	8,5/7,0	270,00/61370	299,7	9,80

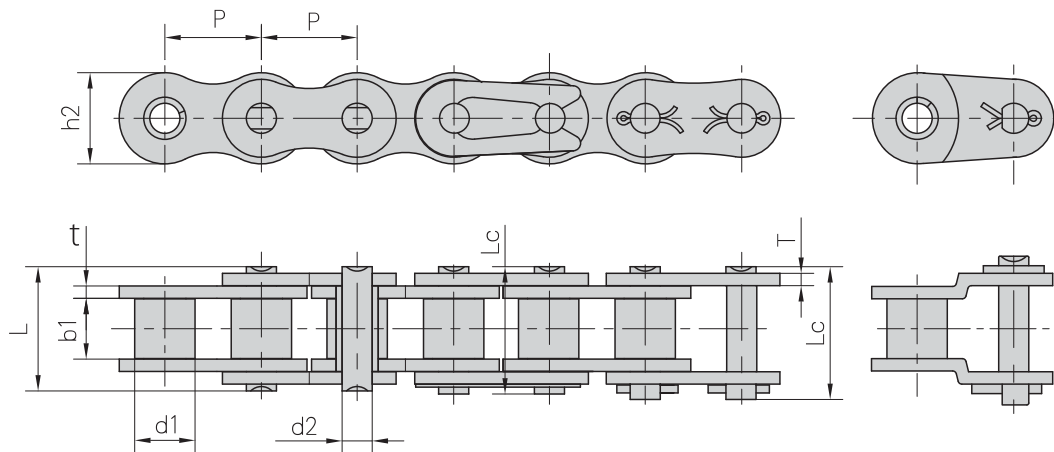
\* Duplex heavy duty chain



# High precision roller chains - DIN 8188

## ANSI - American standard

Simplex



DIN Ref.	ANSI Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter						
					d1 max	b1 min	d2 max	L max						Lc max	h2 max	T max	F <sub>B</sub> min.	F <sub>BA</sub>	q
					mm	mm	mm	mm						mm	mm	mm	mm	kN/LB	kN
*03C	*15	4,763	2,48	2,38	1,62	6,10	6,90	4,30	0,60	1,80/409	2,0	0,08							
*04C-1	*25	6,350	3,30	3,18	2,31	7,90	8,40	6,00	0,80	3,50/795	4,6	0,15							
*06C-1	*35	9,525	5,08	4,77	3,58	12,40	13,17	9,00	1,30	7,90/1795	10,8	0,33							
085-1	41	12,700	7,77	6,25	3,58	13,75	15,00	9,91	1,30	6,67/1516	12,6	0,41							
08A-1	40	12,700	7,95	7,85	3,96	16,60	17,80	12,00	1,50	14,10/3205	17,5	0,62							
10A-1	50	15,875	10,16	9,40	5,08	20,70	22,20	15,09	2,03	22,20/5045	29,4	1,02							
12A-1	60	19,050	11,91	12,57	5,94	25,90	27,70	18,00	2,42	31,80/7227	41,5	1,50							
16A-1	80	25,400	15,88	15,75	7,92	32,70	35,00	24,00	3,25	56,70/12886	69,4	2,60							
20A-1	100	31,750	19,05	18,90	9,53	40,40	44,70	30,00	4,00	88,50/20114	109,2	3,91							
24A-1	120	38,100	22,23	25,22	11,10	50,30	54,30	35,70	4,80	127,00/28864	156,3	5,62							
28A-1	140	44,450	25,40	25,22	12,70	54,40	59,00	41,00	5,60	172,40/39182	212,0	7,50							
32A-1	160	50,800	28,58	31,55	14,27	64,80	69,60	47,80	6,40	226,80/51545	278,9	10,10							
36A-1	180	57,150	35,71	35,48	17,46	72,80	78,60	53,60	7,20	280,20/63682	341,8	13,45							
40A-1	200	63,500	39,68	37,85	19,85	80,30	87,20	60,00	8,00	353,80/80409	431,6	16,15							
48A-1	240	76,200	47,63	47,35	23,81	95,50	103,00	72,39	9,50	510,30/115977	622,5	23,20							

\*Bushing chain: d1 in the table indicate the external diameter of the bushing

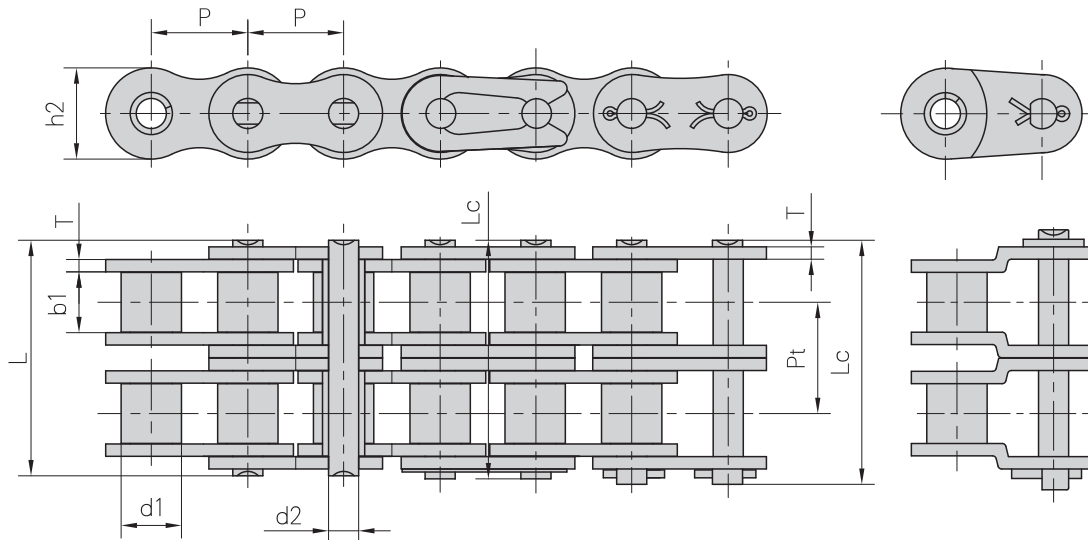
All these types are also available in cottered execution



# High precision roller chains - DIN 8188

## ANSI - American standard

Duplex



DIN Ref.	ANSI Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
						L	Lc						
						max	max						
		P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Pt	F <sub>B</sub> min.	F <sub>BA</sub>	q
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
*04C-2	*25-2	6,350	3,30	3,18	2,31	14,5	15,0	6,00	0,80	6,40	7,00/1591	8,6	0,28
*06C-2	*35-2	9,525	5,08	4,77	3,58	22,5	23,3	9,00	1,30	10,13	15,80/3591	19,7	0,63
08S-2	41-2	12,700	7,77	6,25	3,58	25,7	26,9	9,91	1,30	11,95	13,34/3032	16,9	0,81
08A-2	40-2	12,700	7,95	7,85	3,96	31,0	32,2	12,00	1,50	14,38	28,20/6409	35,9	1,12
10A-2	50-2	15,875	10,16	9,40	5,08	38,9	40,4	15,09	2,03	18,11	44,40/10091	58,1	2,00
12A-2	60-2	19,050	11,91	12,57	5,94	48,8	50,5	18,00	2,42	22,78	63,60/14455	82,1	2,92
16A-2	80-2	25,400	15,88	15,75	7,92	62,7	64,3	24,00	3,25	29,29	113,40/25773	141,8	5,15
20A-2	100-2	31,750	19,05	18,90	9,53	76,4	80,5	30,00	4,00	35,76	177,00/40227	219,4	7,80
24A-2	120-2	38,100	22,23	25,22	11,10	95,8	99,7	35,70	4,80	45,44	254,00/57727	314,9	11,70
28A-2	140-2	44,450	25,40	25,22	12,70	103,3	107,9	41,00	5,60	48,87	344,80/78364	427,5	15,14
32A-2	160-2	50,800	28,58	31,55	14,27	123,3	128,1	47,80	6,40	58,55	453,60/103091	562,4	20,14
36A-2	180-2	57,150	35,71	35,48	17,46	138,6	144,4	53,60	7,20	65,84	560,50/127386	695,0	29,22
40A-2	200-2	63,500	39,68	37,85	19,85	151,9	158,8	60,00	8,00	71,55	707,60/160818	877,4	32,24
48A-2	240-2	76,200	47,63	47,35	23,81	183,4	190,8	72,39	9,50	87,83	1020,60/213955	1255,3	45,23

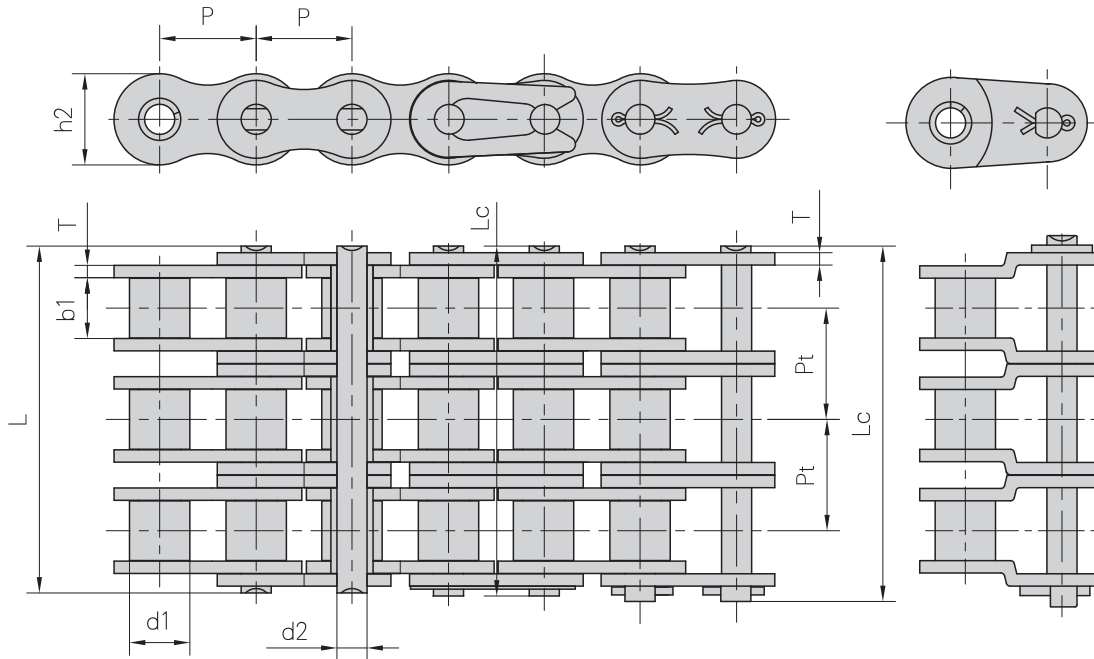
\*Bushing chain: d1 in the table indicate the external diameter of the bushing

All these types are also available in cottered execution

# High precision roller chains - DIN 8188

## ANSI - American standard

*Triplex*



DIN Ref.	ANSI Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter		
					d1 max	d2 max	L max	Lc max							h2 max	T max
					mm	mm	mm	mm							mm	mm
*04C-3	*25-3	6,350	3,30	3,18	2,31	21,0	21,5	6,00	0,80	6,40	10,5/2386	12,6	0,44			
*06C-3	*35-3	9,525	5,08	4,77	3,58	32,7	33,5	9,00	1,30	10,13	23,7/5386	28,6	1,05			
08A-3	40-3	12,700	7,95	7,85	3,96	45,4	46,6	12,00	1,50	14,38	42,3/9614	50,0	1,90			
10A-3	50-3	15,875	10,16	9,40	5,08	57,0	58,5	15,09	2,03	18,11	66,6/15136	77,8	3,09			
12A-3	60-3	19,050	11,91	12,57	5,94	71,5	73,3	18,00	2,42	22,78	95,4/21682	111,1	4,54			
16A-3	80-3	25,400	15,88	15,75	7,92	91,7	93,6	24,00	3,25	29,29	170,1/38659	198,4	7,89			
20A-3	100-3	31,750	19,05	18,90	9,53	112,2	116,3	30,00	4,00	35,76	265,5/60341	309,6	11,77			
24A-3	120-3	38,100	22,23	25,22	11,10	141,4	145,2	35,70	4,80	45,44	381,0/86591	437,2	17,53			
28A-3	140-3	44,450	25,40	25,22	12,70	152,2	156,8	41,00	5,60	48,87	517,2/117545	593,3	22,20			
32A-3	160-3	50,800	28,58	31,55	14,27	181,8	186,6	47,80	6,40	58,55	680,4/154636	780,6	30,02			
36A-3	180-3	57,150	35,71	35,48	17,46	204,4	210,2	53,60	7,20	65,84	840,7/191068	983,6	38,22			
40A-3	200-3	63,500	39,68	37,85	19,85	223,5	230,4	60,00	8,00	71,55	1061,4/241227	1217,8	49,03			
48A-3	240-3	76,200	47,63	47,35	23,81	271,3	278,6	72,39	9,50	87,83	1530,9/347932	1756,5	71,60			

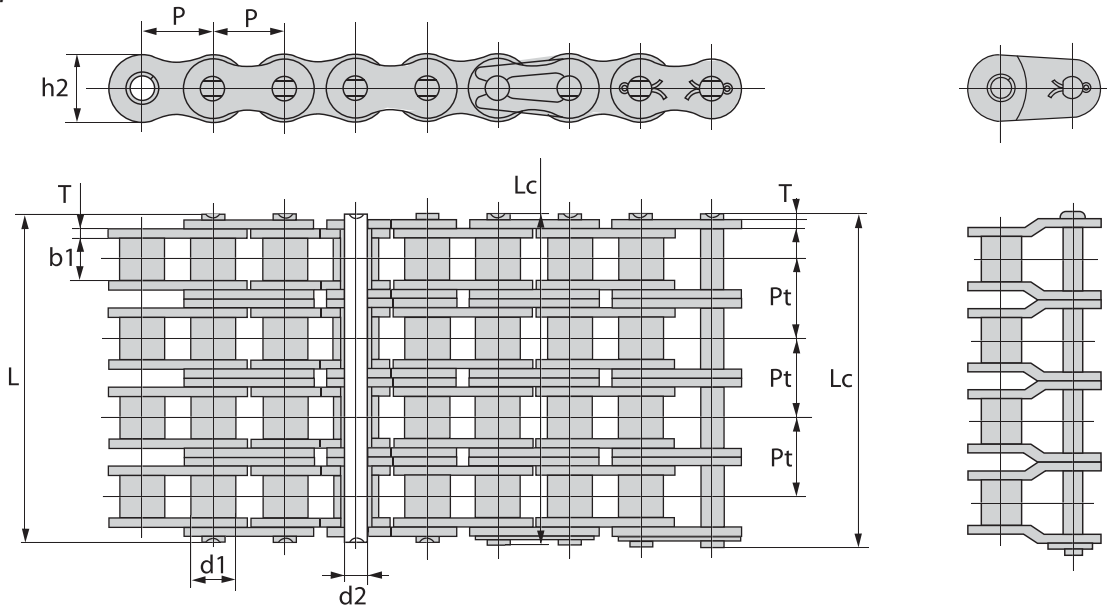
\*Bushing chain: d1 in the table indicate the external diameter of the bushing

All these types are also available in cotted execution

# High precision roller chains - DIN 8188

## ANSI - American standard

Multiple



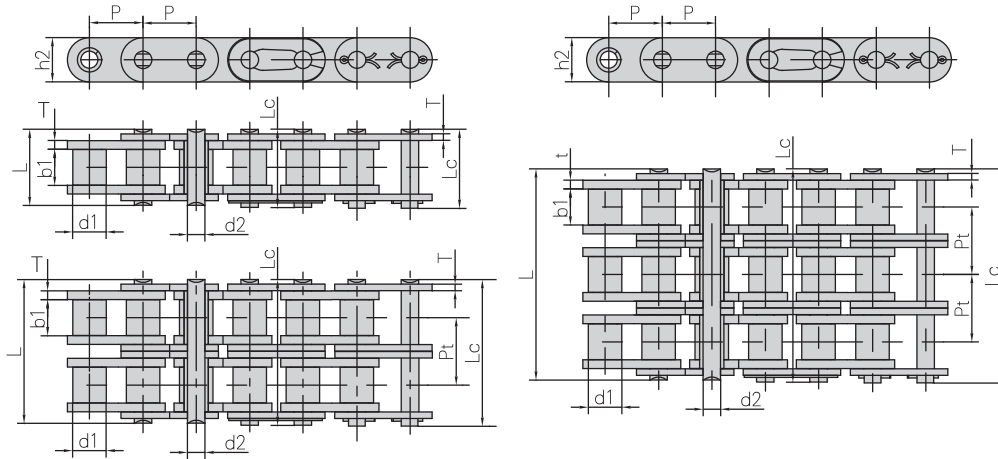
DIN Ref.	ANSI Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
						L	Lc						
						mm	mm						
		P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Pt	F <sub>B</sub> min.	F <sub>BA</sub>	q
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
08A-4	40-4	12.700	7.95	7.85	3.96	59.8	61.0	12.00	1.50	14.38	56.4/12687	62.04	2.57
10A-4	50-4	15.875	10.16	9.40	5.08	75.1	76.6	15.09	2.03	18.11	88.8/19976	97.68	4.30
12A-4	60-4	19.050	11.91	12.57	5.94	94.4	96.1	18.00	2.42	22.78	127.2/28614	139.92	6.21
16A-4	80-4	25.400	15.88	15.75	7.92	121.0	124.4	24.00	3.25	29.29	226.8/51020	249.48	10.37
20A-4	100-4	31.750	19.05	18.90	9.63	147.8	152.1	30.00	4.00	35.76	354/79635	389.40	15.60
24A-4	120-4	38.100	22.23	25.22	11.1	187.0	190.8	36.70	4.80	45.44	508/114278	558.80	23.56
08A-5	40-5	12.700	7.95	7.85	3.96	74.2	75.4	12.00	1.50	14.38	70.5/15859	77.55	3.19
10A-5	50-5	15.875	10.16	9.40	5.08	93.2	94.7	15.09	2.03	18.11	111/24970	122.10	5.37
12A-5	60-5	19.050	11.91	12.57	5.94	117.0	118.8	18.00	2.42	22.78	159/35768	174.90	7.75
16A-5	80-5	25.400	15.88	15.75	7.92	149.9	153.7	24.00	3.25	29.29	283.5/63775	311.85	12.96
20A-5	100-5	31.750	19.05	18.90	9.63	183.6	187.9	30.00	4.00	35.76	442.5/99543	486.75	19.46
24A-5	120-5	38.100	22.23	25.22	11.1	232.3	236.1	35.70	4.80	45.44	635/142848	698.50	29.40
08A-6	40-6	12.700	7.95	7.85	3.96	88.5	89.8	12.00	1.50	14.38	84.6/19,31	93.06	3.83
10A-6	50-6	15.875	10.16	9.40	5.08	111.3	112.8	15.09	2.03	18.11	133.2/29964	146.52	6.43
12A-6	60-6	19.050	11.91	12.57	5.94	139.8	141.8	18.00	2.42	22.78	190.8/42921	209.80	9.31
16A-6	80-6	25.400	15.88	15.75	7.92	179.2	183.0	24.00	3.25	29.29	340.2/76530	374.22	15.50
20A-6	100-6	31.750	19.05	18.90	9.63	219.4	223.7	30.00	4.00	35.76	531/119452	584.10	23.36
24A-6	120-6	38.100	22.23	25.22	11.1	278.0	282.0	35.70	4.80	45.44	762/171417	838.20	35.30
08A-8	40-8	12.700	7.95	7.85	3.96	117.3	118.5	12.00	1.50	14.38	112.8/25375	124.08	5.11
10A-8	50-8	15.875	10.16	9.40	5.08	147.5	149.0	15.09	2.03	18.11	117.6/39952	195.36	8.59
12A-8	60-8	19.050	11.91	12.57	5.94	185.8	187.6	18.00	2.42	22.78	254.4/57229	279.84	12.37
16A-8	80-8	25.400	15.88	15.75	7.92	237.8	241.6	24.00	3.25	29.29	453.6/102040	498.96	20.67
20A-8	100-8	31.750	19.05	18.90	9.63	290.8	295.1	30.00	4.00	35.76	708/159270	778.80	31.14
24A-8	120-8	38.100	22.23	25.22	11.1	368.8	372.8	35.70	4.80	45.44	1016/228557	1176	47.07

All these types are also available in cotted execution

# Straight side plates roller chains - DIN 8188

## ANSI - American standard

*Simplex, Duplex and Triplex*



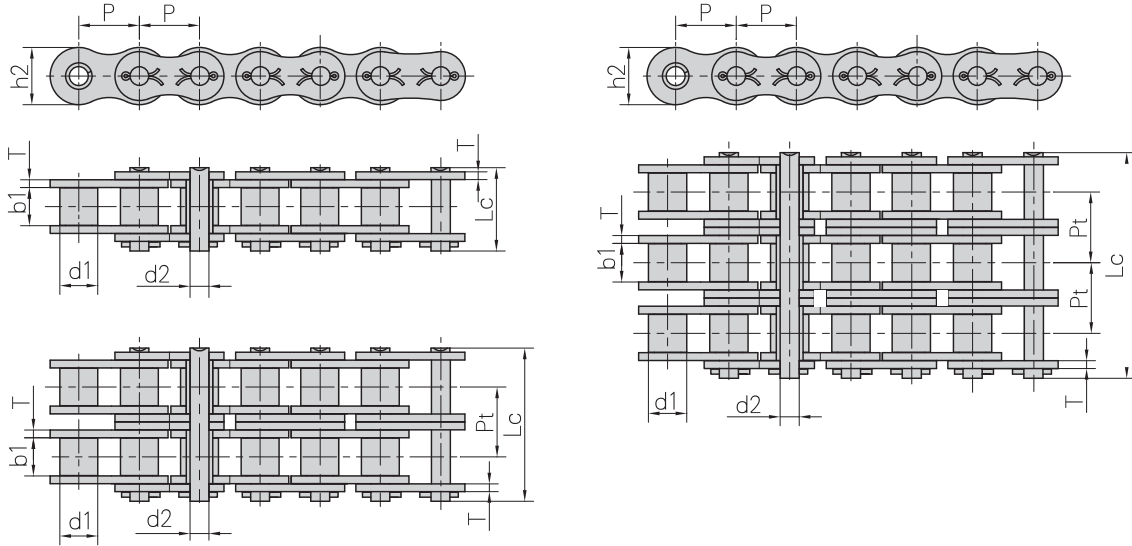
DIN Ref.	ANSI Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
		P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	Pt	FB min.	FBA	kg/m	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
GL06A-1	*C35	9,525	5,08	4,77	3,58	13,3	14,3	9,00	1,30		7,9/1795	10,8	0,41	
GL08A-1	C40	12,700	7,95	7,85	3,96	16,6	18,8	12,00	1,50		14,1/3273	17,5	0,73	
GL10A-1	C50	15,875	10,16	9,40	5,08	20,7	23,3	15,09	2,03		22,2/5045	29,4	1,23	
GL12A-1	C60	19,050	11,91	12,57	5,94	25,9	28,3	18,0/18,2	2,42		31,8/7227	41,5	1,81/1,83	
GL16A-1	C80	25,400	15,88	15,75	7,92	32,7	36,5	24,00	3,25		56,7/12886	69,4	3,09	
GL20A-1	C100	31,750	19,05	18,90	9,53	40,4	44,7	30,00	4,00		88,5/20114	109,2	4,56	
GL24A-1	C120	38,100	22,23	25,22	11,10	50,3	54,3	35,70	4,80		127,0/28864	156,3	6,86	
GL28A-1	C140	44,450	25,40	25,22	12,70	54,4	59,0	41,00	5,60		172,4/39182	212,0	8,49	
GL32A-1	C160	50,800	28,58	31,55	14,27	64,8	69,6	47,80	6,40		226,8/51545	278,9	11,50	
GL08A-2	C40-2	12,700	7,95	7,85	3,96	31,0	33,2	12,00	1,50	14,38	28-2/6409	35,9	1,43	
GL10A-2	C50-2	15,875	10,16	9,40	5,08	38,9	41,4	15,09	2,03	18,11	44,4/10091	58,1	2,42	
GL12A-2	C60-2	19,050	11,91	12,57	5,94	48,8	51,1	18,0/18,2	2,42	22,78	63,6/14455	82,1	3,58/3,62	
GL16A-2	C80-2	25,400	15,88	15,75	7,92	62,7	65,8	24,00	3,25	29,29	113,4/25773	141,8	6,12	
GL20A-2	C100-2	31,750	19,05	18,90	9,53	76,4	80,5	30,00	4,00	35,76	177,0/40227	219,4	9,08	
GL24A-2	C120-2	38,100	22,23	25,22	11,10	95,8	99,7	35,70	4,80	45,44	254,0/57727	314,9	13,60	
GL28A-2	C140-2	44,450	25,40	25,22	12,70	103,3	107,9	41,00	5,60	48,87	344,8/78364	427,5	16,86	
GL32A-2	C160-2	50,800	28,58	31,55	14,27	123,3	128,1	47,80	6,40	58,55	453,6/103091	562,4	22,90	
GL08A-3	C40-3	12,700	7,95	7,85	3,96	45,4	47,6	12,00	1,50	14,38	42,3/9614	50,0	2,14	
GL10A-3	C50-3	15,875	10,16	9,40	5,08	57,0	59,5	15,09	2,03	18,11	66,6/15136	77,8	3,62	
GL12A-3	C60-3	19,050	11,91	12,57	5,94	71,5	73,9	18,0/18,2	2,42	22,78	95,4/21682	111,1	5,36/5,41	
GL16A-3	C80-3	25,400	15,88	15,75	7,92	91,7	95,1	24,00	3,25	29,29	170,1/38659	198,4	9,10	
GL20A-3	C100-3	31,750	19,05	18,90	9,53	112,2	116,3	30,00	4,00	35,76	265,5/60341	309,6	13,60	
GL24A-3	C120-3	38,100	22,23	25,22	11,10	141,4	145,2	35,70	4,80	45,44	381,0/86591	437,2	20,43	
GL28A-3	C140-3	44,450	25,40	25,22	12,70	152,2	156,8	41,00	5,60	48,87	517,2/117545	593,3	25,23	
GL32A-3	C160-3	50,800	28,58	31,55	14,27	181,8	186,6	47,80	6,40	58,55	680,4/154636	780,6	34,19	


\*Bushing chain: d1 in the table indicate the external diameter of the bushing

# Heavy duty roller chains - DIN 8188

## ANSI - American standard - Cottered or riveted

*Simplex, Duplex and Triplex*

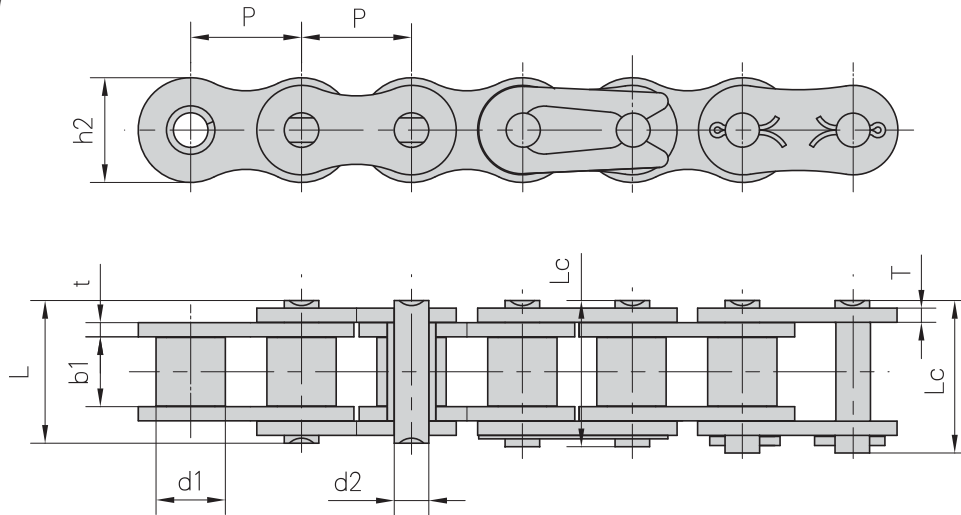


DIN Ref.	ANSI Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Inner plate height	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
		P	d1 max	b1 min	d2 max	Lc max	h2 max	T max	Pt	F <sub>B</sub> min.	F <sub>BA</sub>	q
		mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
	10AH-1	50H	15,875	10,16	9,40	5,08	24,4	15,09	2,42		22,2/5045	30,2
12AH-1	60H	19,050	11,91	12,57	5,94	31,6	18,00	3,25		31,8/7227	42,7	1,87
16AH-1	80H	25,400	15,88	15,75	7,92	39,4	24,00	4,00		56,7/12886	71,4	3,10
20AH-1	100H	31,750	19,05	18,90	9,53	46,9	30,00	4,80		88,5/20114	112,4	4,52
24AH-1	120H	38,100	22,23	25,22	11,10	57,5	35,70	5,60		127,0/28864	160,9	6,60
28AH-1	140H	44,450	25,40	25,22	12,70	62,2	41,00	6,40		172,4/39182	217,3	8,30
32AH-1	160H	50,800	28,58	31,55	14,27	73,0	47,80	7,20		226,8/51545	285,8	10,30
40AH-1	200H	63,500	39,68	37,85	19,85	93,5	60,00	9,50		353,8/80409	444,5	19,16
12AH-2	60H-2	19,050	11,91	12,57	5,94	57,7	18,00	3,25	26,11	63,6/14454	84,5	3,71
16AH-2	80H-2	25,400	15,88	15,75	7,92	72,0	24,00	4,00	32,59	113,4/25773	145,3	6,15
20AH-2	100H-2	31,750	19,05	18,90	9,53	86,0	30,00	4,80	39,09	177,0/40227	225,9	9,03
24AH-2	120H-2	38,100	22,23	25,22	11,10	106,4	35,70	5,60	48,87	254,0/57727	322,7	13,13
28AH-2	140H-2	44,450	25,40	25,22	12,70	114,4	41,00	6,40	52,20	344,8/78364	437,7	16,60
32AH-2	160H-2	50,800	28,58	31,55	14,27	134,9	47,80	7,20	61,90	453,6/103091	571,6	20,20
40AH-2	200H-2	63,500	39,68	37,85	19,85	171,8	60,00	9,50	78,31	707,6/160818	894,9	38,11
12AH-3	60H-3	19,050	11,91	12,57	5,94	83,8	18,00	3,25	26,11	95,4/21682	113,9	5,54
16AH-3	80H-3	25,400	15,88	15,75	7,92	104,6	24,00	4,00	32,59	170,1/38659	203,5	9,42
20AH-3	100H-3	31,750	19,05	18,90	9,53	125,1	30,00	4,80	39,09	265,5/60341	314,8	12,96
24AH-3	120H-3	38,100	22,23	25,22	11,10	155,2	35,70	5,60	48,87	381,0/86591	444,7	19,64
28AH-3	140H-3	44,450	25,40	25,22	12,70	166,6	41,00	6,40	52,20	517,2/117545	598,4	24,90
32AH-3	160H-3	50,800	28,58	31,55	14,27	196,8	47,80	7,20	61,90	680,4/154636	787,3	30,10
40AH-3	200H-3	63,500	39,68	37,85	19,85	250,1	60,00	9,50	78,31	1061,4/241227	1228,2	57,06



# High precision roller chains - DIN 8187 / DIN 8188 ISO 606 - European / ANSI - American standard

Zinc plated



ANSI / DIN Ref.	Pitch  P	Roller diameter  d1 max	Width between inner plates  b1 min	Pin diameter  d2 max	Pin length		Inner plate height  h2 max	Plate thick- ness  t/T max	Ultimate tensile strength  F <sub>B</sub> min.	Weight per meter  q
					L max	L <sub>c</sub> max				
					mm	mm				
*25ZP	6,350	3,30	3,18	2,31	7,90	8,40	6,00	0,80	3,50/795	0,15
*35ZP	9,525	5,08	4,77	3,58	12,40	13,17	9,00	1,30	7,90/1795	0,33
41ZP	12,700	7,77	6,25	3,58	13,75	15,00	9,91	1,30	6,67/1516	0,41
40ZP	12,700	7,95	7,85	3,96	16,60	17,80	12,00	1,50	14,10/3205	0,62
50ZP	15,875	10,16	9,40	5,08	20,70	22,20	15,09	2,03	22,20/5045	1,02
60ZP	19,050	11,91	12,57	5,94	25,90	27,70	18,00	2,42	31,80/7227	1,50
80ZP	25,400	15,88	15,75	7,92	32,70	35,00	24,00	3,25	56,70/12886	2,60
100ZP	31,750	19,05	18,90	9,53	40,40	44,70	30,00	4,00	88,50/20114	3,91
120ZP	38,100	22,23	25,22	11,10	50,30	54,30	35,70	4,80	127,00/28864	5,62
140ZP	44,450	25,40	25,22	12,70	54,40	59,00	41,00	5,60	172,40/39182	7,50
160ZP	50,800	28,58	31,55	14,27	64,80	69,60	47,80	6,40	226,80/51545	10,10
04BZP	6,000	4,00	2,80	1,85	6,80	7,80	5,00	0,60	3,00/682	0,11
05BZP	8,000	5,00	3,00	2,31	8,20	8,90	7,10	0,80	5,00/1136	0,20
#06BZP	9,525	6,35	5,72	3,28	13,15	14,10	8,20	1,30	9,00/2045	0,41
08BZP	12,700	8,51	7,75	4,45	16,70	18,20	11,80	1,60	18,00/4091	0,69
10BZP	15,875	10,16	9,65	5,08	19,50	20,90	14,70	1,70	22,40/5091	0,93
12BZP	19,050	12,07	11,68	5,72	22,50	24,20	16,00	1,85	60,00/13636	1,15
16BZP	25,400	15,88	17,02	8,28	36,10	37,40	21,00	4,15/3,1	95,00/21591	2,71
20BZP	31,750	19,05	19,56	10,19	41,30	45,00	26,40	4,5/3,5	95,00/21591	3,70
24BZP	38,100	25,40	25,40	14,63	53,40	57,80	33,20	6,0/4,8	160,0/36364	7,10
28BZP	44,450	27,94	30,99	15,90	65,10	69,50	36,70	7,5/6,0	200,0/45455	8,50
32BZP	50,800	29,21	30,99	17,81	66,00	71,00	42,00	7,0/6,0	250,0/56818	10,25

\* Bushing chain: d1 in the table indicate the external diameter of the bushing

# Straight side plates

Double strand zinc plated chains are available in all sizes

Double pitch zinc plated conveyor chains are available upon request

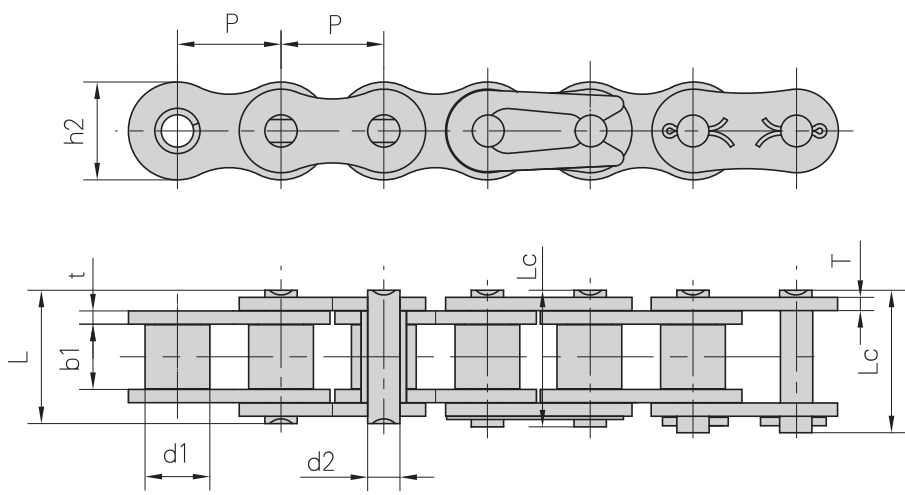




# High precision roller chains - DIN 8187 / 8188 ISO 606 - European / ANSI - American standard

Nickel plated

ROLLER CHAINS



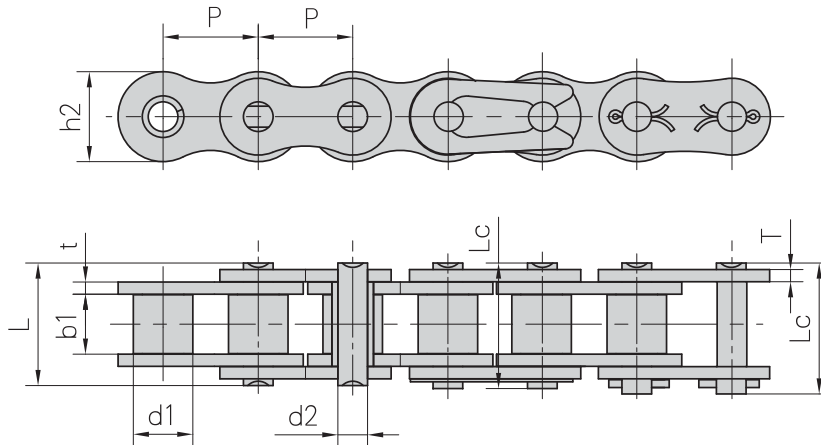
ANSI / DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	F <sub>B</sub> min.	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m
*25NP	6,350	3,30	3,18	2,31	7,90	8,40	6,00	0,80	3,50/795	0,15
*35NP	9,525	5,08	4,77	3,58	12,40	13,17	9,00	1,30	7,90/1795	0,33
41NP	12,700	7,77	6,25	3,58	13,75	15,00	9,91	1,30	6,67/1516	0,41
40NP	12,700	7,95	7,85	3,96	16,60	17,80	12,00	1,50	14,10/3205	0,62
50NP	15,875	10,16	9,40	5,08	20,70	22,20	15,09	2,03	22,20/5045	1,02
60NP	19,050	11,91	12,57	5,94	25,90	27,70	18,00	2,42	31,80/7227	1,50
80NP	25,400	15,88	15,75	7,92	32,70	35,00	24,00	3,25	56,70/12886	2,60
100NP	31,750	19,05	18,90	9,53	40,40	44,70	30,00	4,00	88,50/20114	3,91
120NP	38,100	22,23	25,22	11,10	50,30	54,30	35,70	4,80	127,00/28864	5,62
140NP	44,450	25,40	25,22	12,70	54,40	59,00	41,00	5,60	172,40/39182	7,50
160NP	50,800	28,58	31,55	14,27	64,80	69,60	47,80	6,40	226,80/51545	10,10
04BNP	6,000	4,00	2,80	1,85	6,80	7,80	5,00	0,60	3,00/682	0,11
05BNP	8,000	5,00	3,00	2,31	8,20	8,90	7,10	0,80	5,00/1136	0,20
* 06BNP	9,525	6,35	5,72	3,28	13,15	14,10	8,20	1,30	9,00/2045	0,41
08BNP	12,700	8,51	7,75	4,45	16,70	18,20	11,80	1,60	18,00/4091	0,69
10BNP	15,875	10,16	9,65	5,08	19,50	20,90	14,70	1,70	22,40/5091	0,93
12BNP	19,050	12,07	11,68	5,72	22,50	24,20	16,00	1,85	29,00/6591	1,15
16BNP	25,400	15,88	17,02	8,28	36,10	37,40	21,00	4,15/3,1	60,00/13636	2,71
20BNP	31,750	19,05	19,56	10,19	41,30	45,00	26,40	4,5/3,5	95,00/21591	3,70
24BNP	38,100	25,40	25,40	14,63	53,40	57,80	33,20	6,0/4,8	160,00/36364	7,10
28BNP	44,450	27,94	30,99	15,90	65,10	69,50	36,70	7,5/6,0	200,00/45455	8,50
32BNP	50,800	29,21	30,99	17,81	66,00	71,00	42,00	7,0/6,0	250,00/56818	10,25

\* Straight side plates



# "Coated" corrosion protected high precision roller chains DIN 8187 / 8188 - ISO 606 - European / ANSI - American standard

Simplex



ROLLER CHAINS

ANSI / DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Breaking load	Weight per meter
					L max	Lc max				
					P	d1 max				
mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m
*25DR	6,350	3,30	3,18	2,31	7,90	8,40	6,00	0,80	3,50/795	0,15
*35DR	9,525	5,08	4,77	3,58	12,40	13,17	9,00	1,30	7,90/1795	0,33
41 DR	12,700	7,77	6,25	3,58	13,75	15,00	9,91	1,30	6,67/1516	0,41
40DR	12,700	7,95	7,85	3,96	16,60	17,80	12,00	1,50	14,10/3205	0,62
50DR	15,875	10,16	9,40	5,08	20,70	22,20	15,09	2,03	22,20/5045	1,02
60DR	19,050	11,91	12,57	5,94	25,90	27,70	18,00	2,42	31,80/7227	1,50
80DR	25,400	15,88	15,75	7,92	32,70	35,00	24,00	3,25	56,70/12886	2,60
100DR	31,750	19,05	18,90	9,53	40,40	44,70	30,00	4,00	88,50/20114	3,91
120DR	38,100	22,23	25,22	11,10	50,30	54,30	35,70	4,80	127,00/28864	5,62
140DR	44,450	25,40	25,22	12,70	54,40	59,00	41,00	5,60	172,40/39182	7,50
160DR	50,800	28,58	31,55	14,27	64,80	69,60	47,80	6,40	226,80/51545	10,10
04BDR	6,000	4,00	2,80	1,85	6,80	7,80	5,00	0,60	3,00/682	0,11
05BDR	8,000	5,00	3,00	2,31	8,20	8,90	7,10	0,80	5,00/1136	0,20
#06BDR	9,525	6,35	5,72	3,28	13,15	14,10	8,20	1,30	9,00/2045	0,41
08BDR	12,700	8,51	7,75	4,45	16,70	18,20	11,80	1,60	18,00/4091	0,69
10BDR	15,875	10,16	9,65	5,08	19,50	20,90	14,70	1,70	22,40/5091	0,93
12BDR	19,050	12,07	11,68	5,72	22,50	24,20	16,00	1,85	29,00/6591	1,15
16BDR	25,400	15,88	17,02	8,28	36,10	37,40	21,00	4,15/3,1	60,00/13636	2,71
20BDR	31,750	19,05	19,56	10,19	41,30	45,00	26,40	4,5/3,5	95,00/21591	3,70
24BDR	38,100	25,40	25,40	14,63	53,40	57,80	33,20	6,0/4,8	160,00/36364	7,10
28BDR	44,450	27,94	30,99	15,90	65,10	69,50	36,70	7,5/6,0	200,00/45455	8,50
32BDR	50,800	29,21	30,99	17,81	66,00	71,00	42,00	7,0/6,0	250,00/56818	10,25

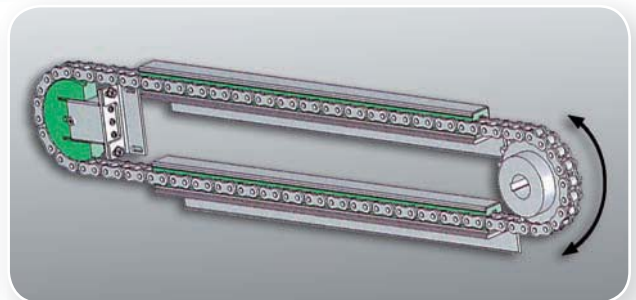
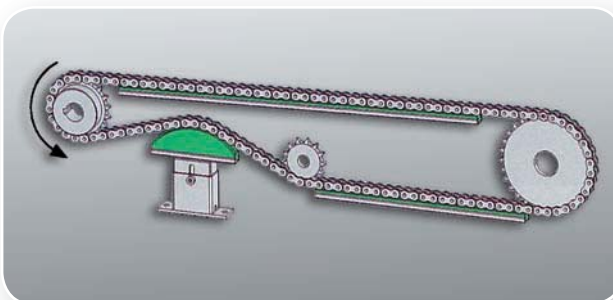
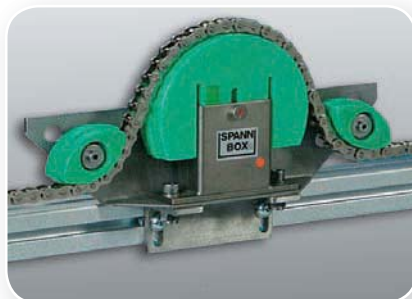
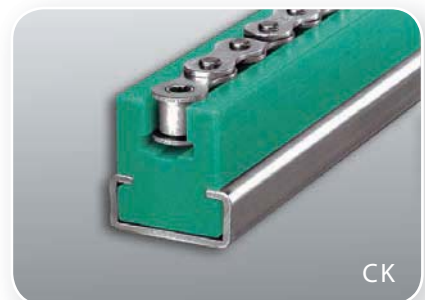
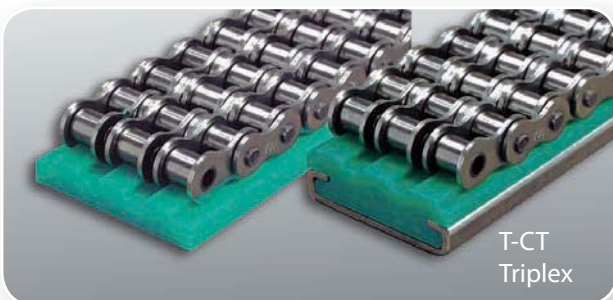
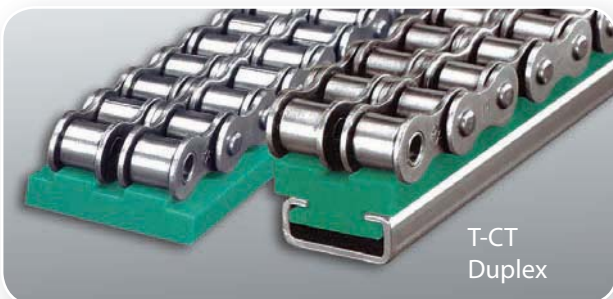
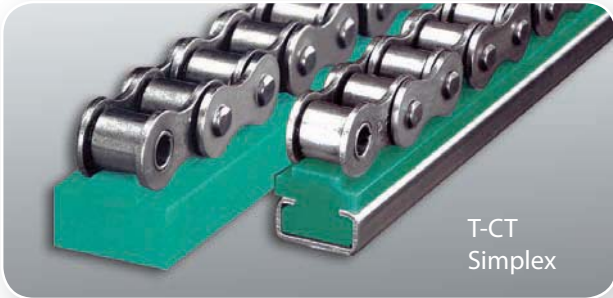
\* Bushing chain: d1 in the table indicate the external diameter of the bushing  
# Straight side plates  
Double strand "Dacromet" coated plated chains are available in all sizes  
Double pitch zinc plated conveyor chains are available upon request

All chains are also available in "coated plus" (with chem. nickel plated pins)



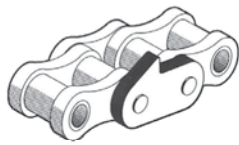
## Different types of chain - guides

ROLLER CHAINS

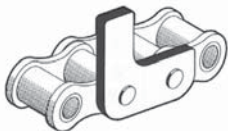


Available from stock

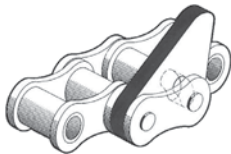
# Roller chains with special attachments



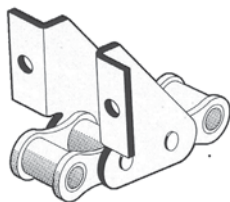
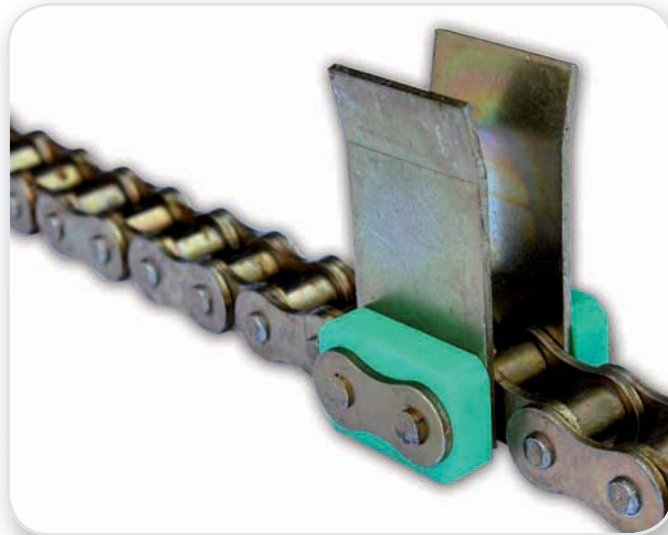
Type 1



Type 2



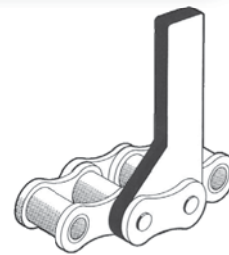
Type 3



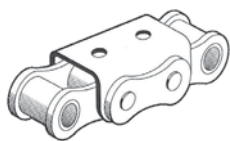
Type 4



Type 5



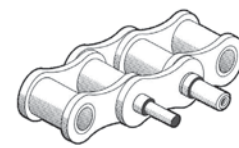
Type 6



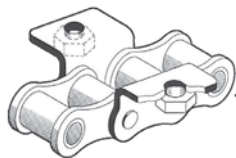
Type 7



Type 8



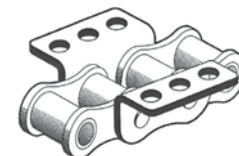
Type 9



Type 10



Type 11



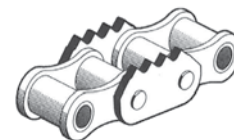
Type 12



Type 13



Type 14

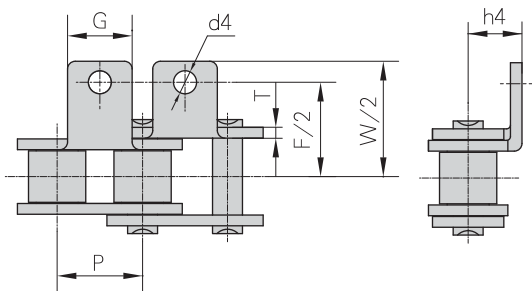


Type 15

# European / American standard roller chains with standard attachments

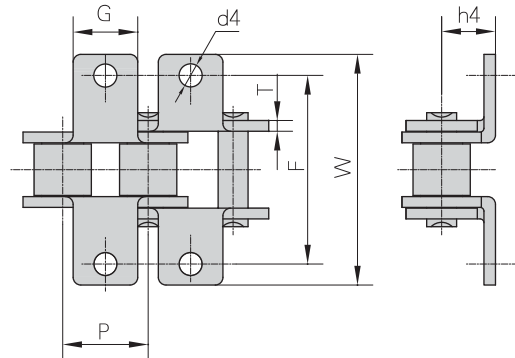
*Bent, one hole*

A1/1




Example every 4th pitch = A1/4

K1/1



Example every 4th pitch = K1/4

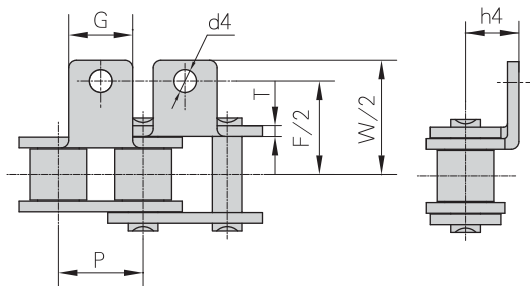
DIN Ref. 	ANSI Ref.	P	G	F	W	T	h4	d4
		mm	mm	mm	mm	mm	mm	mm
*06C	35	9,525	7,9	19,00	28,60	1,30	6,35	3,4
08A	40	12,700	9,5	25,40	35,20	1,50	7,90	3,4
085	41	12,700	9,5	24,00	33,4	1,30	6,90	3,6
10A	50	15,875	12,7	31,75	46,2	2,03	10,30	5,5
12A	60	19,050	15,9	38,10	55,6	2,42	11,90	5,5
16A	80	25,400	19,1	50,80	64,8	3,25	15,90	6,8
20A	100	31,750	25,4	63,50	87,3	4,00	19,80	9,2
24A	120	38,100	28,6	76,20	108,5	4,80	23,00	9,8
28A	140	44,450	34,9	88,90	123,0	5,60	28,60	11,4
32A	160	50,800	38,1	101,60	142,8	6,40	31,75	13,1
40A	200	63,500	50,8	127,00	179,0	8,00	42,88	16,3
*06B		9,525	8,0	19,04	27,0	1,30	6,50	3,5
08B		12,700	9,5	25,40	36,4	1,60	8,90	4,5
10B		15,875	14,3	31,75	44,6	1,70	10,31	5,3
12B		19,050	16,0	38,10	52,4	1,85	13,46	6,4
16B		25,400	19,1	50,80	72,6	3,10	15,88	6,4
20B		31,750	35,0	63,50	100,5	3,50	19,80	9,0
24B		38,100	30,0	76,20	108,4	4,80	26,67	10,5
28B		44,450	35,0	88,90	123,0	6,00	28,58	13,1
32B		50,800	38,1	101,60	142,8	6,00	31,75	13,1

\* Straight side plates

# European standard roller chains with special attachments

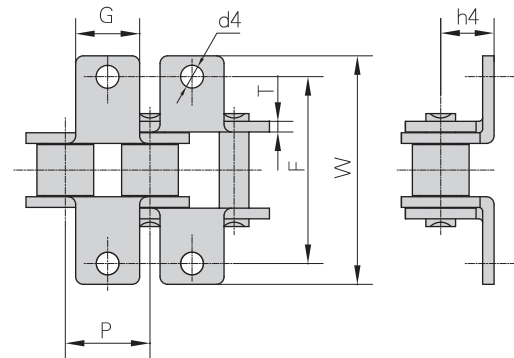
*Bent, one hole*

**A1/1**



Example every 4th pitch = A1/4

**K1/1**



Example every 4th pitch = K1/4

 DIN Ref.	P	G	F	W	T	h4	d4
	mm	mm	mm	mm	mm	mm	mm
08AA1F1	12,700	9,50	38,50	44,5	1,50	8,20	3,6
*C08AA1F1	12,700	10,00	25,40	33,4	1,50	9,10	3,4
08AA1F2	12,700	9,50	25,40	35,2	1,50	7,90	4,85
10AK1F3	15,875	14,29	31,75	46,2	2,03	10,30	5,5
10AK1F5	15,875	20,00	39,00	50,1	2,03	12,50	M5
10AHK1F1	15,875	12,70	34,00	48,4	2,42	10,30	M5
12AK1F1	19,050	15,90	40,00	55,6	2,42	11,90	6,2
12AK1F4	19,050	15,90	38,10	55,5	2,42	11,90	M5
28AA1F1	44,450	34,90	88,90	123,0	5,60	28,60	12,0
28AA1F2	44,450	44,45	88,90	124,0	5,60	28,60	12,0
08BA1F2	12,700	11,40	38,60	49,6	1,60	8,90	3,5
08BK1F5	12,700	9,50	29,00	38,7	1,60	7,10	4,5
08BA1F6	12,700	18,00	25,80	37,8	1,60	8,00	4,2
08BK1F7	12,700	9,50	29,00	39,0	1,60	7,00	4,5
08BF30	12,700	18,00	27,20	40,0	1,60	8,00	4,3
08BF33	12,700	9,50	27,74	38,8	1,60	8,50	3,1
12BA1F1	19,050	16,00	38,10	52,4	1,85	13,46	8,2
16BK1F3	25,400	19,10	50,80	72,6	3,10	15,88	8,2
16BK1F4	25,400	36,00	54,00	78,6	3,10	16,00	8,2
16BK1F5	25,400	25,00	57,80	83,6	3,10	19,00	9,0
16BF14	25,400	36,20	53,90	77,8	3,10	18,00	M6

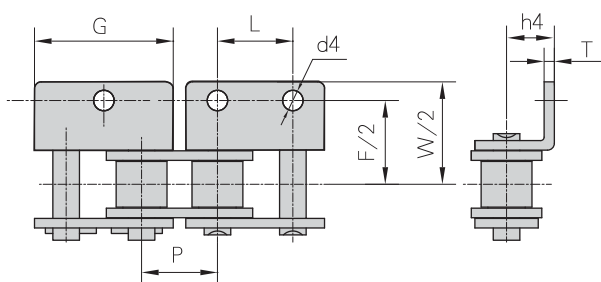
\* Straight side plates

# European / American standard roller chains with standard attachments

*Bent, one or two holes*

WA1

WA2

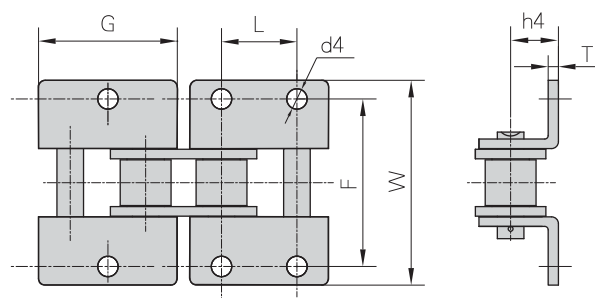


Example every  
4th pitch = WA1/4

Example every  
2nd pitch = WA2/2


WK1

WK2



Example every  
4th pitch = WK1/4

Example every  
2nd pitch = WK2/2

DIN Ref. 	ANSI Ref.	P	G	L	F	W	T	h4	d4
		mm	mm	mm	mm	mm	mm	mm	mm
06C	35	9,525	17,32	9,525	19,00	28,6	1,30	6,35	2,8
08A	40	12,700	23,00	12,700	25,40	35,6	1,50	7,90	3,4
085	41	12,700	22,30	12,700	24,00	35,0	1,30	7,20	4,85
10A	50	15,875	28,80	15,875	31,75	46,8	2,03	10,30	5,5
12A	60	19,050	34,65	19,050	38,10	56,4	2,42	11,90	5,5
16A	80	25,400	45,90	25,400	50,80	73,2	3,25	15,90	6,8
20A	100	31,750	57,65	31,750	63,50	89,8	4,00	19,80	9,2
24A	120	38,100	69,30	38,100	76,20	108,8	4,80	23,00	9,8
28A	140	44,450	80,45	44,450	88,90	123,0	5,60	28,60	11,4
32A	160	50,800	92,00	50,800	101,60	142,8	6,40	31,75	13,1
40A	200	63,500	115,50	63,500	127,00	179,0	8,00	42,88	16,3
08B		12,700	24,00	12,700	25,40	36,4	1,60	8,90	4,3
10B		15,875	29,58	15,875	31,80	44,6	1,70	10,31	5,3
12B		19,050	34,05	19,050	38,10	52,4	1,85	13,46	6,4
16B		25,400	46,40	25,400	50,80	72,6	3,10	15,88	6,4
20B		31,750	58,10	31,750	63,00	100,5	3,50	19,80	9,0
24B		38,100	71,30	38,100	76,20	108,4	4,80	26,67	10,5
28B		44,450	81,10	44,450	88,90	123,0	6,00	28,58	13,1
32B		50,800	92,80	50,800	101,60	142,8	6,00	31,75	13,1

# European / American standard roller chains with special attachments

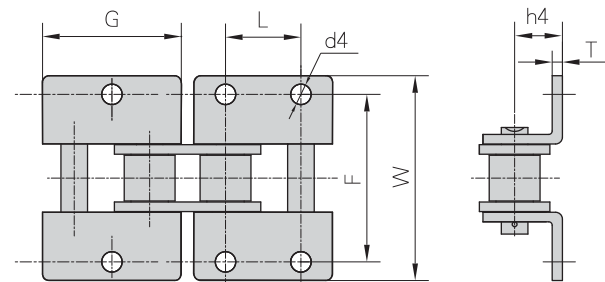
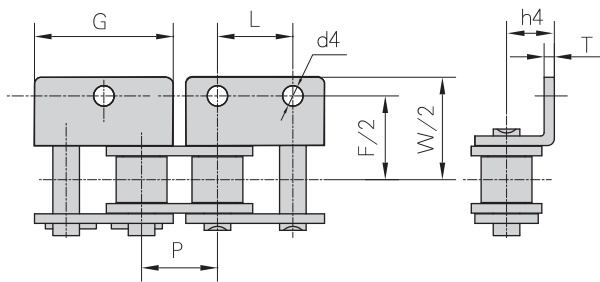
*Bent, one or two holes*

WA 1

WA 2

WK 1

WK 2




Example every  
4th pitch = WA1/4

Example every  
2nd pitch = WA2/2

Example every  
4th pitch = WK1/4

Example every  
2nd pitch = WK2/2

 DIN Ref.	P	G	L	F	W	T	h4	d4
	mm	mm	mm	mm	mm	mm	mm	mm
*06BWK2F1	9,525	12,70	9,525	19,05	28,50	1,30	6,70	4,10
08AWA2F2	12,700	23,00	12,70	25,40	35,60	1,50	7,90	3,60
08BWA2F4	12,700	24,00	12,70	25,40	36,40	1,60	8,90	4,30
08BWA1F1	12,700	23,30		27,40	38,80	1,60	8,00	4,30
08BWA1F6	12,700	24,00		25,40	38,80	1,60	8,90	6,60
08BWK2F2	12,700	23,20	12,70	28,40	42,60	3,00	8,50	5,40
08BWK2F3	12,700	23,20	12,70	32,00	43,60	1,60	10,00	4,50
10AWK1F1	15,875	28,80		31,75	46,00	2,03	1,30	8,20
10AWK1F2	15,875	30,00		31,75	46,00	2,03	10,30	5,20
10BWA2F2	15,875	28,36	15,76	30,40	39,80	1,60	10,50	5,20
10BWK2F2	15,875	28,36	15,76	30,40	39,80	1,60	40,50	5,20
10BWK2F3	15,875	29,90	15,88	31,59	45,59	1,60	10,50	5,30
12BWA1F2	19,050	34,05		38,10	26,20	1,85	13,46	5,50
12BWA2F2	19,050	34,90	19,00	35,00	50,60	1,85	12,00	6,20
12BWA2F5	19,050	30,00	20,00	39,60	55,30	1,85	14,00	M6
12BWK1F1	19,050	34,05		38,10	52,40	1,85	13,46	8,50
12BWK2F7	19,050	34,90	19,00	35,00	55,40	1,85	12,20	6,40
16AWK1F1	25,400	45,90		50,80	73,20	3,25	15,90	8,00
16AWK1F2	25,400	45,90		50,80	73,20	3,25	15,90	12,00
16BWK1F	25,400	46,00		57,20	78,50	3,10	15,90	8,10
16BWK2F1	25,400	48,00	25,40	58,00	75,90	3,10	18,00	9,00
16BWK2F3	25,400	46,40	25,40	58,08	72,60	3,10	15,88	8,20
20BWK2F1	31,750	58,10	31,75	67,94	100,54	3,50	19,80	9,00
28AWK2F1	44,450	82,00	42,00	69,50	99,00	5,60	25,10	10,50
32AWK2F3	50,800	100,00	70,00	100,00	140,00	6,40	31,75	18,00

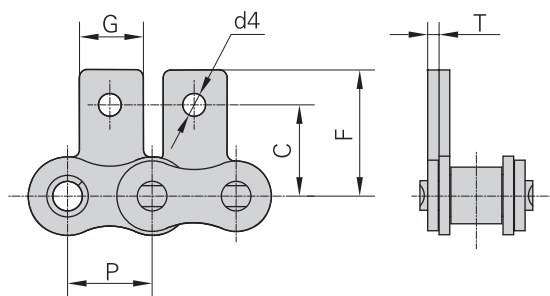
\* Straight side plates



# European / American standard roller chains with special attachments

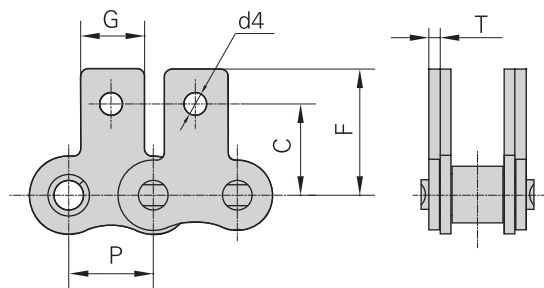
*Straight, one hole*

SA1 / 1




Example every 4th pitch = SA1/4

SK1 / 1



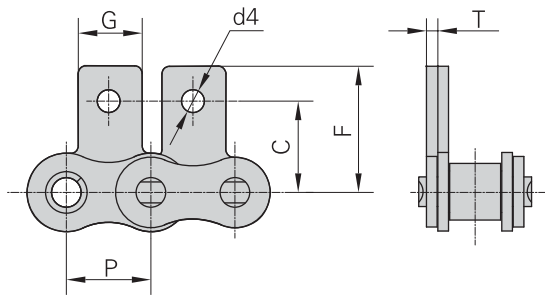
Example every 4th pitch = SK1/4

	DIN Ref.	ANSI Ref.	P	G	C	F	T	d4
			mm	mm	mm	mm	mm	mm
06C		35	9,525	7,9	9,50	14,55	1,30	3,4
08A		40	12,700	9,5	12,70	19,05	1,50	3,4
085		41	12,700	9,5	11,85	16,55	1,30	3,6
10A		50	15,875	12,7	15,90	25,25	2,03	5,5
12A		60	19,050	15,9	18,30	29,33	2,42	5,5
16A		80	25,400	19,1	24,60	34,70	3,25	6,8
20A		100	31,750	25,4	31,80	43,30	4,00	9,2
24A		120	38,100	28,6	36,50	51,60	4,80	9,8
28A		140	44,450	34,9	44,50	62,00	5,60	11,4
32A		160	50,800	38,1	50,80	69,85	6,40	13,1
40A		200	63,500	50,8	63,50	88,90	8,00	16,3
*06B			9,525	8,0	9,52	13,50	1,30	3,5
08B			12,700	9,5	13,35	18,90	1,60	4,3
10B			15,875	14,3	16,50	22,95	1,70	5,3
12B			19,050	16,0	21,45	28,60	1,85	6,4
16B			25,400	19,1	23,15	34,00	3,10	6,4
20B			31,750	35,0	30,50	45,70	3,50	9,0

# European / American standard roller chains with special attachments

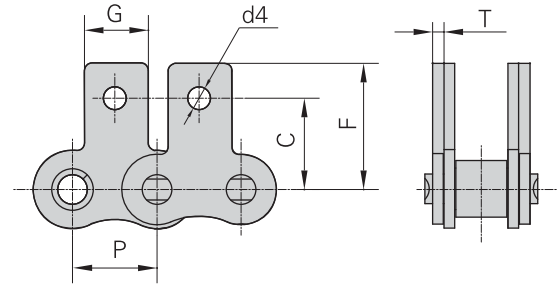
*Straight, one hole*

SA1 / 1




Example every 4th pitch = SA1/4

SK1 / 1



Example every 4th pitch = SK1/4

	DIN Ref.	P	G	C	F	T	d4
		mm	mm	mm	mm	mm	mm
*06BSK1F2		9.525	8.00	9.50	13.50	1.15	3.50
08ASA1F1		12.700	9.50	8.73	17.50	1.50	3.60
08ASA1F3		12.700	9.60	12.70	17.30	1.50	3.60
08BSA1F1		12.700	18.00	15.00	21.50	1.60	6.30
08BSA1F8		12.700	12.50	14.70	20.30	1.60	4.50
08BSA1F9		12.700	12.50	14.70	18.90	1.60	4.50
08BSK1F2		12.700	11.00	13.40	19.50	1.60	4.30
08BSK1F3		12.700	11.00	14.10	18.90	1.55	4.30
08BSK1F4		12.700	11.00	13.35	18.90	1.60	6.50
08BSK1F5		12.700	9.50	13.35	19.30	1.60	6.30
08BSK1F6		12.700	11.00	14.30	20.80	1.60	4.30
08BSK1F7		12.700	11.00	13.00	19.30	1.60	4.45
10ASA0F2		15.875	28.50		23.60	2.03	
10ASK1F1		15.875	20.00	15.68	22.88	2.03	8.50
10ASK1F3		15.875	12.70	15.25	23.60	2.03	5.30
10BSA1F3		15.875	24.00	16.00	24.20	1.70	5.10
12ASA1F4		19.050	15.90	18.30	29.33	2.42	8.50
12ASK1F1		19.050	15.90	18.30	29.33	2.42	6.10
12BSK1F1		19.050	18.00	18.20	28.10	1.80	6.40
16ASAF1		25.400	19.10		34.70	3.25	
16ASAF2		25.400	19.10		34.70	3.25	
16BSK1F2		25.400	24.00	25.40	37.40	3.00	8.20
16BSK1F3		25.400	19.10	23.15	34.00	3.10	9.00
16AWSK1F3		25.400	45.90	16.00	34.40	3.25	14.52
24BSK1F1		38.100	30.00	42.65	61.70	4.80	10.50

\* Straight side plates

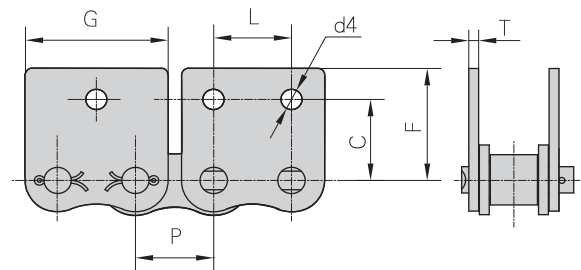
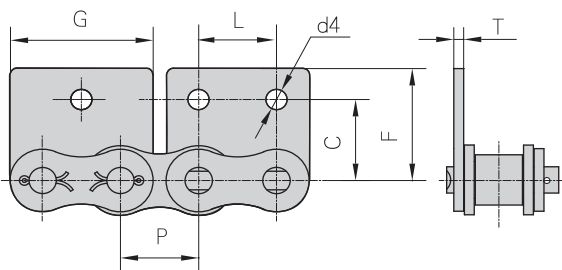


# European / American standard roller chains with special attachments

*Straight, one or two holes*

WSA1      WSA2

WSK1      WSK2




Example every  
4th pitch = WSA / 4

Example every  
2nd pitch = WSA2 / 2

Example every  
4th pitch = WSK1 / 4

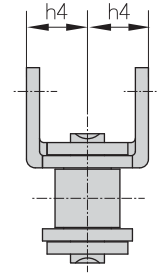
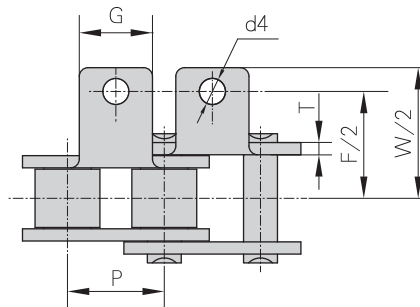
Example every  
2nd pitch = WSK2 / 2

DIN Ref. 	ANSI Ref.	P	G	L	C	F	T	d4
		mm	mm	mm	mm	mm	mm	mm
06C	35	9,525	17,32	9,525	9,50	14,55	1,30	2,8
08A	40	12,700	23,00	12,700	12,70	17,40	1,50	3,4
085	41	12,700	21,20	12,700	11,85	16,55	1,30	3,6
10A	50	15,875	28,80	15,875	15,90	23,05	2,03	5,5
12A	60	19,050	34,65	19,050	18,30	26,86	2,42	5,5
16A	80	25,400	45,90	25,400	24,60	35,45	3,25	6,8
20A	100	31,750	57,65	31,750	31,80	44,00	4,00	9,2
24A	120	38,100	69,30	38,100	36,50	51,60	4,80	9,8
28A	140	44,450	80,45	44,450	44,50	62,00	5,60	11,4
32A	160	50,800	92,00	50,800	50,80	69,85	6,40	13,1
40A	200	63,500	115,50	63,500	63,50	88,90	8,00	16,3
08B		12,700	23,30	12,700	13,35	18,90	1,60	4,3
10B		15,875	29,58	15,875	16,50	22,95	1,70	5,3
12B		19,050	34,05	19,050	21,45	28,60	1,85	6,4
16B		25,400	46,40	25,400	23,15	34,00	3,10	6,4
20B		31,750	58,10	31,750	30,50	45,70	3,50	9,0

# Bent European / American roller chains with special attachments

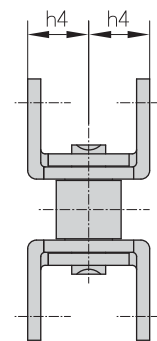
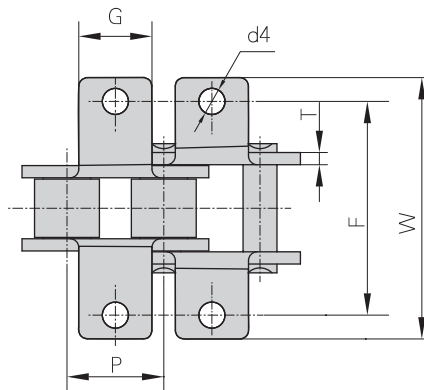
*U-type, one hole*

## UA1/1



Example every  
4th pitch =UA1/4

## UK1/1



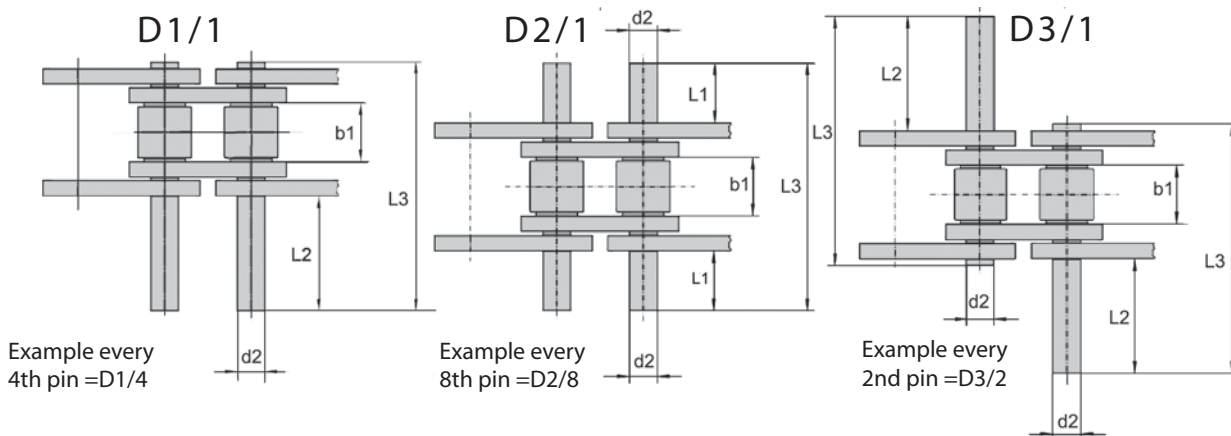
Example every  
4th pitch =UK1/4


DIN Ref.	ANSI Ref.	P	G	F	W	T	h4	d4
		mm	mm	mm	mm	mm	mm	mm
08A	40	12,700	9,5	25,40	35,2	1,50	7,90	3,4
10A	50	15,875	12,7	31,75	46,2	2,03	10,30	5,5
12A	60	19,050	15,9	38,10	55,6	2,42	11,90	5,5
16A	80	25,400	19,1	50,80	64,8	3,25	15,90	6,8
20A	100	31,750	25,4	63,50	87,3	4,00	19,80	9,2
*06B		9,525	8,0	19,04	27,0	1,30	6,50	3,5
08B		12,700	9,5	25,40	36,4	1,60	8,90	4,5
10B		15,875	14,3	31,75	44,6	1,70	10,31	5,3
12B		19,050	16,0	38,10	52,4	1,85	13,46	6,4
16B		25,400	19,1	50,80	72,6	3,10	15,88	6,4
20B		31,750	35,0	63,50	100,5	3,50	19,80	9,0

\* Straight side plates

# Roller chains with extended pins - DIN 8187 / 8188 ISO 606 - European / American standard

One or both sides



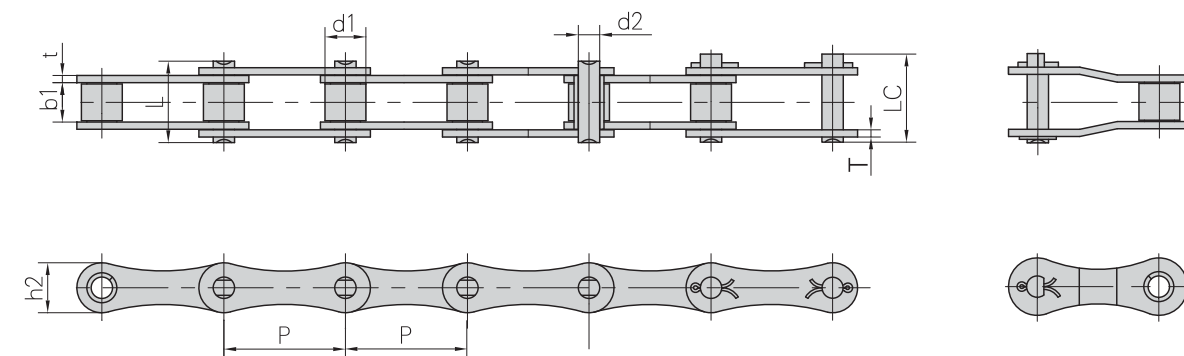
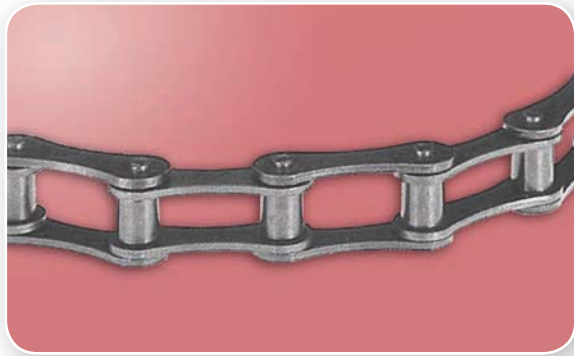
	DIN Ref.	ANSI Ref.	P	b1	d2	Li max	L2 max	L3 max
			mm	mm	mm	mm	mm	mm
08A -(2)	40	40	12,700	7,85	3,96	8,8	16,5	32,3
08A -(3)	40	40	12,700	7,85	3,96	16,0	30,0	46,7
10A -(2)	50	50	15,875	9,40	5,08	10,8	20,6	39,9
10A -(3)	50	50	15,875	9,40	5,08	19,8	39,2	57,9
12A -(2)	60	60	19,050	12,57	5,94	13,5	25,7	49,8
12A -(3)	60	60	19,050	12,57	5,94	24,9	48,5	72,6
16A -(2)	80	80	25,400	15,75	7,92	16,9	32,2	62,7
16A -(3)	80	80	25,400	15,75	7,92	31,4	61,2	91,7
20A -(2)	100	100	31,750	18,90	9,53	20,4	39,1	77,0
20A -(3)	100	100	31,750	18,90	9,53	38,4	75,1	113,0
24A -(2)	120	120	38,100	25,22	11,10	25,4	48,9	96,3
24A -(3)	120	120	38,100	25,22	11,10	47,7	93,6	141,0
05 B -(2)	-	-	8,000	3,00	2,31	3,9	7,1	14,3
05 B -(3)	-	-	8,000	3,00	2,31	6,7	12,7	19,9
06 B -(2)	-	-	9,525	5,72	3,28	6,6	12,2	23,8
06 B -(3)	-	-	9,525	5,72	3,28	11,7	22,4	34,0
08 B -(2)	-	-	12,700	7,75	4,45	8,2	15,5	31,0
08 B -(3)	-	-	12,700	7,75	4,45	15,2	29,4	44,9
10 B -(2)	-	-	15,875	9,65	5,08	9,8	18,5	36,2
10 B -(3)	-	-	15,875	9,65	5,08	18,1	35,1	52,8
12 B -(2)	-	-	19,050	11,68	5,72	11,4	21,5	42,2
12 B -(3)	-	-	19,050	11,68	5,72	21,1	41,0	61,7
16 B -(2)	-	-	25,400	17,02	8,28	18,0	34,5	68,0
16 B -(3)	-	-	25,400	17,02	8,28	34,0	66,4	99,9
20 B -(2)	-	-	31,750	19,56	10,19	20,6	39,4	79,0
20 B -(3)	-	-	31,750	19,56	10,19	39,1	76,4	116,0
24 B -(2)	-	-	38,100	25,40	14,63	26,2	50,4	101,0
24 B -(3)	-	-	38,100	25,40	14,63	50,7	99,4	150,0

(2) pins from duplex chain (3) pins from triplex chain or on request other lengths



# Double pitch conveyor chains - DIN 8187 / 8188 ISO 606 - European / ANSI - American standard

Simplex



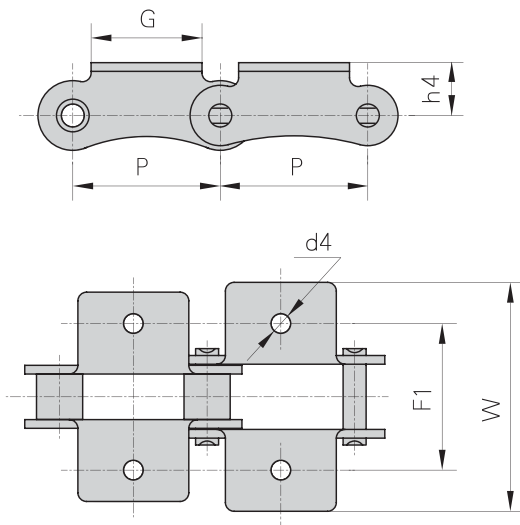
DIN Ref.	ANSI Ref.	Pitch	Roller diameter	Width between inner plates		Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
				b1	d1	L	Lc					
				min	max	max	max					
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
208A	2040	25,40	7,95	7,85	3,96	16,6	17,8	12,0	1,50	14,1/3205	16,7	0,42
208B		25,40	8,51	7,75	4,45	16,7	18,2	11,8	1,60	18,0/4091	19,4	0,45
210A	2050	31,75	10,16	9,40	5,08	20,7	22,2	15,0	2,03	22,2/5045	28,1	0,73
210B		31,75	10,16	9,65	5,08	19,5	20,9	14,7	1,70	22,4/5091	27,5	0,65
212A	2060	38,10	11,91	12,57	5,94	25,9	27,7	18,0	2,42	31,8/7227	36,8	1,02
212B		38,10	12,07	11,68	5,72	22,5	25,2	16,0	1,85	29,0/6591	32,2	0,76
216A	2080	50,80	15,88	15,75	7,92	32,7	36,5	24,0	3,25	56,7/12886	65,7	1,70
216AH	2080H	50,80	15,88	15,75	7,92	36,2	39,4	24,0	4,00	56,7/12886	70,0	2,17
216B		50,80	15,88	17,02	8,28	36,1	39,1	21,0	4,15/3,1	60,0/13636	72,8	1,75
220A	2100	63,50	19,05	18,90	9,53	40,4	44,7	30,0	4,00	88,5/20114	102,6	2,55
220B		63,50	19,05	19,56	10,19	41,3	45,0	26,4	4,5/3,5	95,0/14773	106,7	2,62
224A	2120	76,20	22,23	25,22	11,10	50,3	54,3	35,7	4,80	127,0/28864	147,3	4,06
224B		76,20	25,40	25,40	14,63	53,4	57,8	33,2	6,0/4,8	160,0/36364	178,0	4,70
228B		88,90	27,94	30,99	15,90	65,1	69,5	36,7	7,5/6,0	200,0/45455	222,0	6,23
232B		101,60	29,21	30,99	17,81	66,0	71,0	42,0	7,0/6,0	250,0/56818	277,5	6,72

ROLLER CHAINS

# Double pitch conveyor chains with attachments

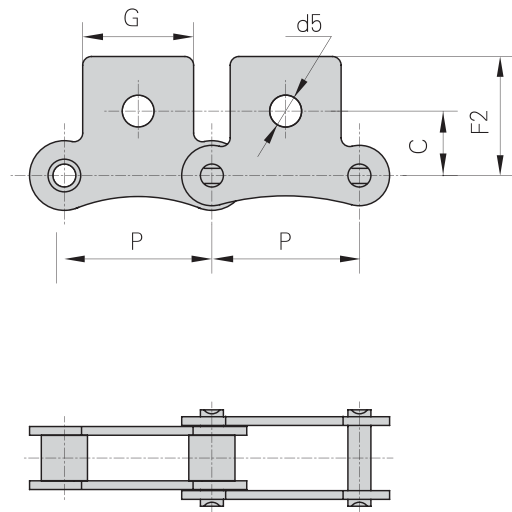
*Bent & straight*

K1/1




Example every 4th pitch =K1/4

SK1/1



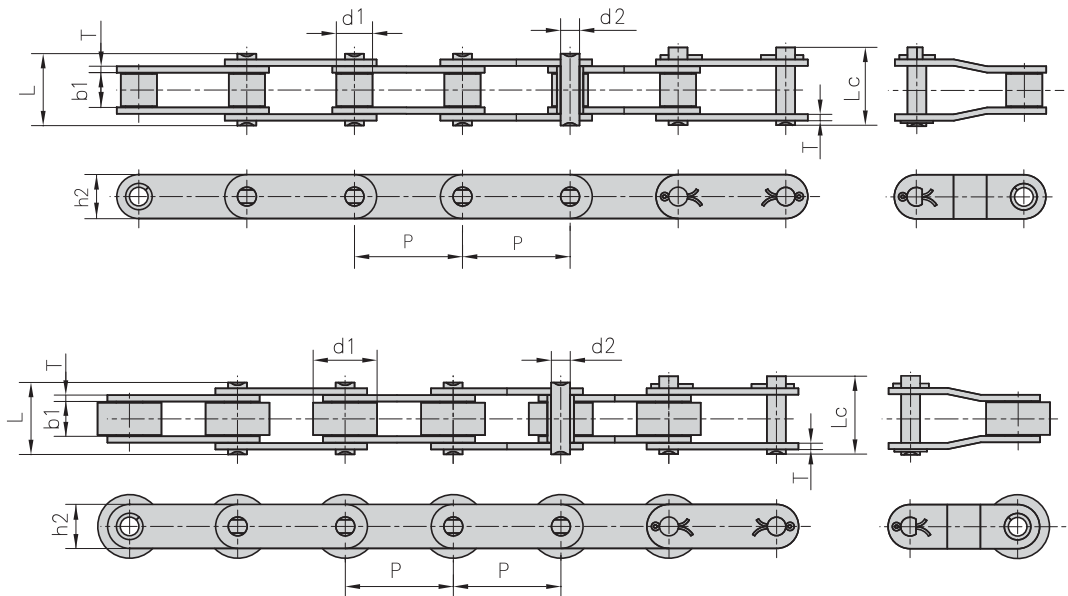
Example every 4th pitch =SK1/4

DIN Ref.	ANSI Ref.	P	G	F1	W	h4	d4	C	F2	d5
		mm	mm	mm	mm	mm	mm	mm	mm	mm
208A	2040	25,40	19,1	25,4	39,6	9,1	3,4	11,1	20,5	5,5
210A	2050	31,75	23,8	31,8	49,0	11,1	5,5	14,3	25,0	6,6
212A	2060	38,10	28,6	42,9	67,8	14,7	5,5	17,5	32,9	9,2
216A	2080	50,80	38,1	55,6	87,8	19,1	6,8	22,2	43,5	11,0
220A	2100	63,50	47,6	66,6	107,5	23,4	9,2	28,6	50,4	13,0
224A	2120	76,20	57,2	79,3	121,4	27,8	10,5	33,3	55,5	15,0
208B		25,40	23,2	25,4	39,6	9,1	4,5	11,1	20,5	5,5
210B		31,75	23,8	31,8	49,0	11,1	5,5			
212B		38,10	35,0	38,1	57,0	14,7	6,6			
216B		50,80	44,0	50,8	84,0	19,1	6,6			
220B		63,50	52,0	63,5	104,0	23,4	8,4			
224B		76,20	60,0	76,2	120,0	27,8	10,5			

# Double pitch straight side plates conveyor chains

## DIN 8187/8188 - ISO 606 - European / ANSI - American standard

Simplex



DIN Ref.	ANSI Ref.	Pitch Roller diameter		Width between inner plates	Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter	
		P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	F <sub>B</sub> min.	F <sub>BA</sub>	q
		mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
C208A C208AL	C2040 C2042 *	25,40	7,95 15,88	7,85	3,96	16,6	17,8	12,0	1,50	14,1/3205	16,7	0,50 0,84
C208AH	C2040H	25,40	7,95	7,85	3,96	18,8	19,9	12,0	2,03	14,1/3205	17,2	0,65
C208B C208BL		25,40	8,51 15,88	7,75	4,45	16,7	18,2	11,8	1,60	18,0/4091	19,4	0,55 0,89
C210A C210AL	C2050 C2052 *	31,75	10,16 19,05	9,40	5,08	20,7	22,2	15,0	2,03	22,2/5045	28,1	1,78 1,27
C212A C212AL	C2060 C2062 *	38,10	11,91 22,23	12,57	5,94	25,9	27,7	18,0	2,42	31,8/7227	36,8	1,12 1,61
C212AH C212AHL	C2060H C2062H *	38,10	11,91 22,23	12,57	5,94	29,2	31,6	18,0	3,25	31,8/7227	41,6	1,44 2,07
C216A C216AL	C2080 C2082 *	50,80	15,88 28,58	15,75	7,92	32,7	36,5	24,0	3,25	56,7/12886	65,7	2,08 3,12
C216AH C216AHL	C2080H C2082H *	50,80	15,88 28,58	15,75	7,92	36,2	39,4	24,0	4,00	56,7/12886	70,0	2,54 3,58
C220A C220AL	C2100 C2102 *	63,50	19,05 39,67	18,90	9,53	40,4	44,7	30,0	4,00	88,5/20114	102,6	3,01 4,83
C220AH C220AHL	C2100H C2102H *	63,50	19,05 39,67	18,90	9,53	43,6	46,9	30,0	4,80	88,5/20114	112,4	3,56 5,38
C224A C224AL	C2120 C2122 *	76,20	22,23 44,45	25,22	11,10	50,3	54,3	35,7	4,80	127,0/28864	147,3	4,66 7,66
C224AH C224AHL	C2120H C2122H *	76,20	22,23 44,45	25,22	11,10	53,5	57,5	35,7	5,60	127,0/28864	160,9	5,26 8,26
C232A C232AL	C2160 C2162 *	101,60	28,58 57,15	31,75	14,27	64,8	69,6	47,8	6,40	226,8/51545	278,9	8,15 13,00
C232AH C232AHL	C2160H C2162H *	101,60	28,58 57,15	31,75	14,27	68,2	73,0	47,8	7,20	226,8/51545	285,8	9,06 12,77

\* Type with large rollers

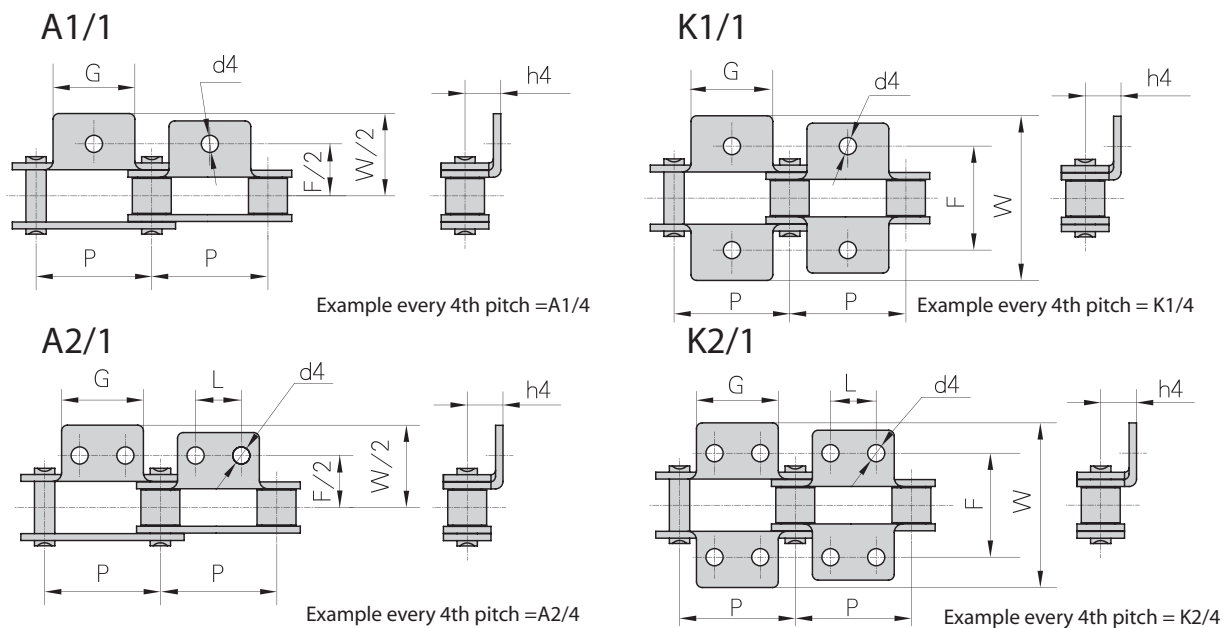



# Double pitch straight side plates conveyor chains

## DIN 8187 / 8188 with attachments

### ISO 606 - European / ANSI - American standard

*Bent, one or two holes*

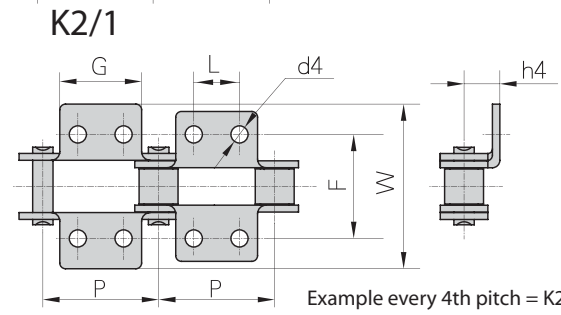
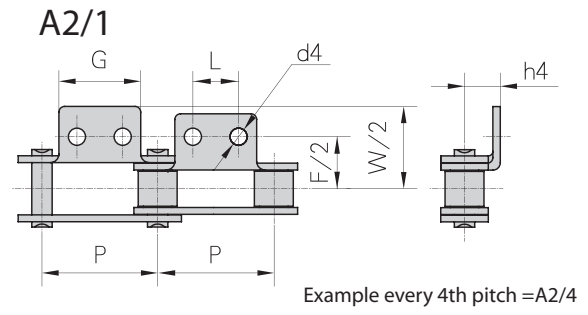
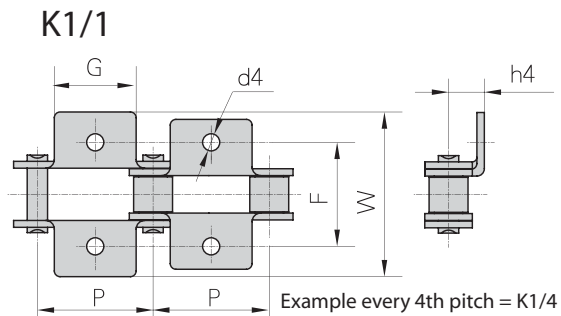
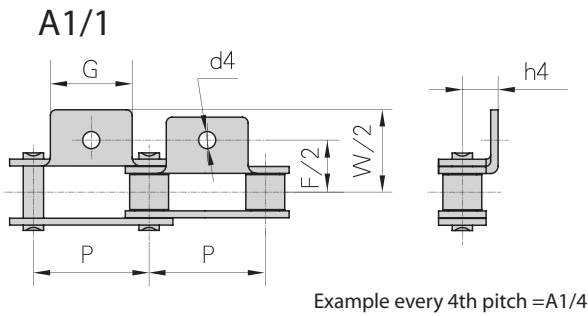


DIN Ref. 	ANSI Ref.	P	G	L	F	W	h4	d4
		mm	mm	mm	mm	mm	mm	mm
C208A C208AL	C2040 C2042 *	25,4	19,1	9,5	25,4	39,6	9,1	3,4
C208B C208BL		25,4	23,2	12,7	25,4	39,6	9,1	4,5
C210A C210AL	C2050 C2052 *	31,75	23,8	11,9	31,8	49	11,1	5,5
C212A C212AL	C2060 C2062 *	38,1	28,6	14,3	42,9	67,8	14,7	5,5
C212AH C212AHL	C2060H C2062H *	38,1	28,6	14,3	42,9	67,8	14,7	5,5
C216A C216AL	C2080 C2082 *	50,8	38,1	19,1	55,6	87,8	19,1	6,8
C216AH C216AHL	C2080H C2082H *	50,8	38,1	19,1	55,6	87,8	19,1	6,8
C220A C220AL	C210 C2102 *	63,5	47,6	23,8	66,6	107,5	23,4	9,2
C220AH C220AHL	C2102H C2102H *	63,5	47,6	23,8	66,6	107,5	23,4	9,2
C224A C224AL	C2120 C2122 *	76,2	57,2	28,6	79,3	121,4	27,8	11,0
C224AH C224AHL	C2120H C2122H *	76,2	57,2	28,6	79,3	121,4	27,8	11,0
C232A C232AL	C2160 C2162 *	101,6	76,2	38,1	104,7	151,6	36,5	13,1
C232AH C232AHL	C2160H C2162H *	101,6	76,2	38,1	104,7	151,6	36,5	13,1

\* Type with large rollers see page A-31

# Double pitch straight side plates conveyor chains DIN 8187 / 8188 with attachments

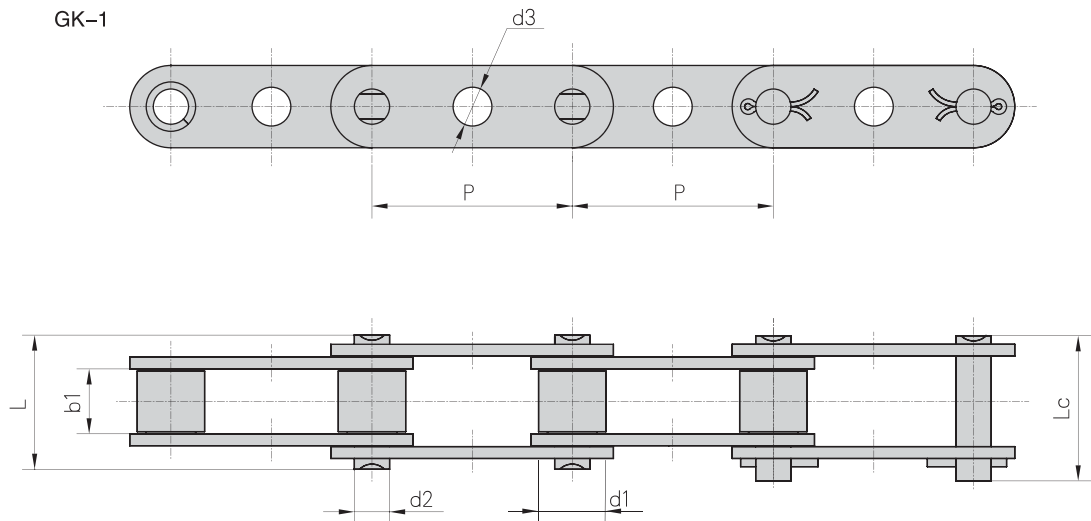
Bent, one or two holes




BTC DIN / ANSI Ref.	P	G	L	F	W	h4	d4
	mm	mm	mm	mm	mm	mm	mm
C208AF1	25.40	19.0		25.7	38.3	8.8	4.1
C2042F1	25.40	19.0		25.4	40.0	9.0	5.2
C2040A1F3	25.40	19.0		25.4	38.2	19.8	5.3
C2042A1F4	25.40	19.0		25.4	39.6	9.1	5.0
C2040A2F1	25.40	19.0	9.00	25.4	38.4	9.0	5.2
C2042HK1F1	25.40	19.0		47.0	60.0	9.1	7.0
C2050A1F6	31.75	23.8		31.8	49.0	11.4	6.3
C2052A2F1	31.75	19.0	11.90	31.8	49.0	11.1	6.0
C2052A2F2	31.75	19.0	15.88	31.8	49.0	11.1	5.5
C2052A2F3	31.75	25.8	12.70	31.8	49.2	11.1	4.8
C2060K1F1	38.10	28.6		42.9	68.0	14.7	8.5
C2062HK1F5	38.10	28.6		42.9	67.8	14.7	7.9
C2062A1F13	38.10	30.0		70.2	98.0	14.7	8.5
C2062A2F6	38.10	28.6	14.30	42.9	67.8	14.7	6.0
C2062K2F7	38.10	28.6	14.30	42.9	67.8	14.7	6.5
C2060HF3A2	38.10	28.6	14.30	42.9	67.8	14.7	5.2
C2062HF15	38.10	28.6	14.30	42.9	67.8	14.7	M5
C2060HK1F	38.10	28.6		42.9	67.8	14.7	8.0
C2062HA1F4	38.10	20.0		45.8	65.8	9.0	6.8
C2062HK1F5	38.10	28.6		42.9	67.8	14.7	7.9
C2062HA1F7	38.10	28.6		42.9	67.8	14.7	5.2
C2060HA1F12	38.10	28.0		43.4	61.8	13.9	6.6
C2060HK2F3	38.10	28.6	14.30	42.9	64.8	14.7	5.0
C2062HK2F4	38.10	28.6	14.30	42.9	56.4	14.7	5.2
C2062HK2F5	38.10	28.6	14.30	55.6	76.0	11.1	5.5
C216AF3	50.8	39.0	19.10	59.0	78.5	23.0	7.0
C2082A2F1	50.8	39.0	19.10	58.0	82.0	21.5	7.0
C2082A2F2	50.8	39.0	19.10	58.0	82.0	21.5	10.0
C2082K2F5	50.8	38.1	19.10	120.0	140.0	19.1	6.8
C2080HF	50.8	38.1	19.10	55.6	75.2	17.8	10.0

# Special double straight side plates conveyor chains - DIN 8187 / 8188

Central holes



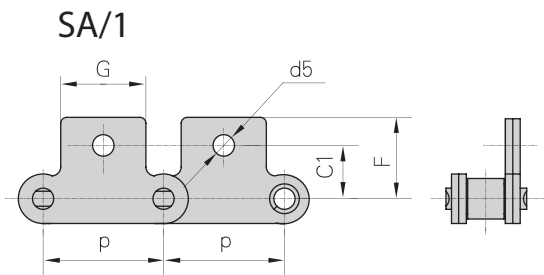
DIN Ref. 	ANSI Ref.	P	b1	d1	d2	d3	L	Lc
		mm	mm	mm	mm	mm	mm	mm
C208A C208AL	C2040 C2042 *	25,40	7,85	7,95 15,88	3,96	4,1	16,6	18,8
C210A C210AL	C2050 C2052 *	31,75	9,40	10,16 19,05	5,08	5,1	20,7	23,3
C212A C212AL	C2060 C2062 *	38,10	12,57	11,91 22,23	5,94	6,1	25,9	28,3
C212AH C212AHL	C2060H C2062H *	38,10	12,57	11,91 22,23	5,94	6,1	29,2	31,6
C216A C216AL	C2080 C2082 *	50,80	15,75	15,88 28,56	7,92	8,1	32,7	36,5
C216AH C216AHL	C2080H C2082H *	50,80	15,75	15,88 28,56	7,92	8,1	36,2	39,4
C220A C220AL	C2100 C2102 *	63,50	18,90	19,05 39,67	9,53	10,1	40,4	44,7
C220AH C220AHL	C2100H C2102H *	63,50	18,90	19,05 39,67	9,53	10,1	43,6	46,9

\* Type with large rollers see page A-31

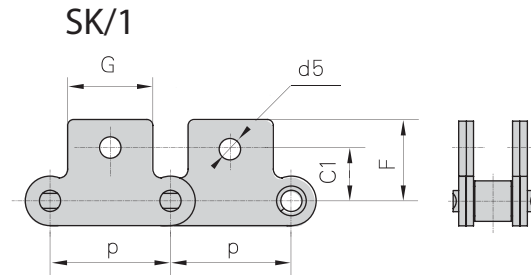
# Double pitch conveyor chains - DIN 8187 / 8188 with attachments

## ISO 606 - European / ANSI - American standard

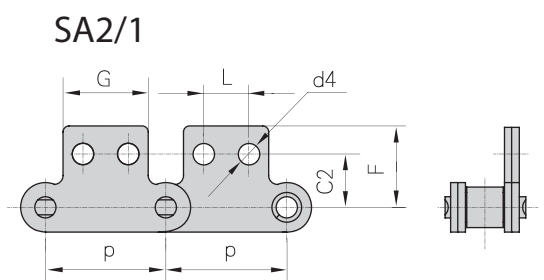
*Straight, one or two holes*



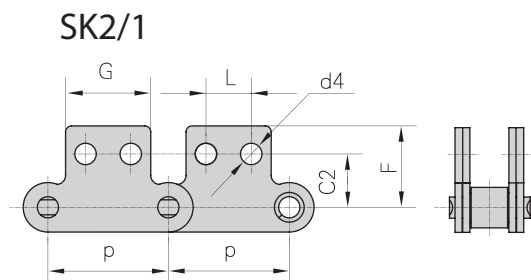
Example every 4th pitch =SA1/4




Example every 4th pitch =SK1/4



Example every 4th pitch =SA2/4



Example every 4th pitch =SK2/4

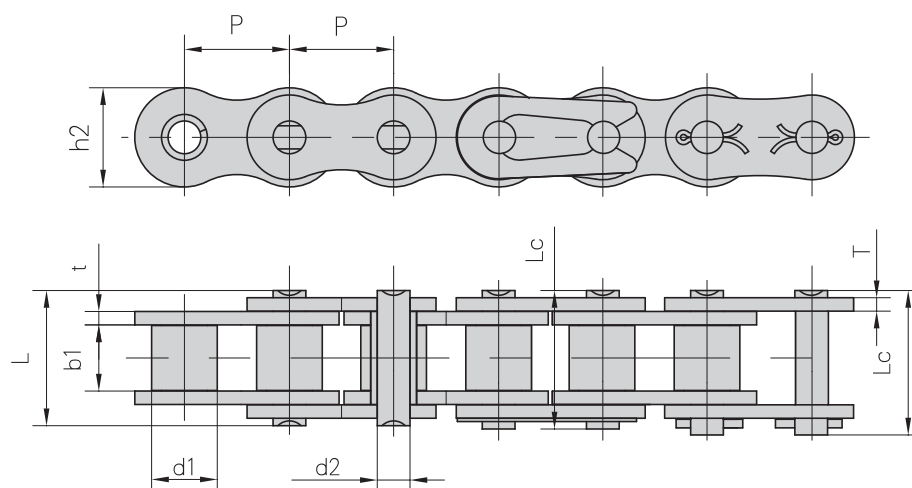
DIN Ref. 	ANSI Ref.	P	G	L	C1	C2	F	d4	d5
		mm	mm	mm	mm	mm	mm	mm	mm
C208A C208AL	C2040 C2042 *	25,40	19,1	9,5	11,1	13,5	20,5	3,4	5,5
C208B C208BL		25,40	23,2	12,7	11,1	13,5	20,5	4,5	5,5
C210A C210AL	C2050 C2052 *	31,75	23,8	11,9	14,3	15,9	25,0	5,5	6,6
C212A C212AL	C2060 C2062 *	38,10	28,6	14,3	17,5	19,1	32,9	5,5	9,2
C212AH C212AHL	C2060H C2062H *	38,10	28,6	14,3	17,5	19,1	32,9	5,5	9,2
C216A C216AL	C2080 C2082 *	50,80	38,1	19,1	22,2	25,4	43,5	6,6	11,0
C216AH C216AHL	C2080H C2082H *	50,80	38,1	19,1	22,2	25,4	43,5	6,6	11,0
C220A C220AL	C2100 C2102 *	63,50	47,6	23,8	28,6	31,8	50,4	8,4	13,0
C220AH C220AHL	C2100H C2102H *	63,50	47,6	23,8	28,6	31,8	50,4	8,4	13,0

\* Type with large rollers see page A-31



# Stainless steel roller chains - DIN 8187 / 8188 ISO 606 - European / ANSI - American standard

Simplex



DIN / ANSI Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thick- ness	Ultimate tensile strength	Weight per meter
					L	Lc				
					mm	mm				
*25SS	6,350	3,30	3,18	2,31	7,9	8,4	6,00	0,8	2,5/568	0,15
*35SS	9,525	5,08	4,77	3,58	12,4	13,2	9,00	1,30	5,5/1250	0,33
40SS	12,700	7,95	7,85	3,96	16,6	17,8	12,00	1,50	9,6/2182	0,63
41SS	12,700	7,77	6,25	3,58	13,8	15,0	9,91	1,30	6,0/1360	0,46
50SS	15,875	10,16	9,40	5,08	20,7	22,2	15,09	2,03	15,2/3455	1,03
60SS	19,050	11,91	12,57	5,94	25,9	27,7	18,00	2,42	21,7/4932	1,51
80SS	25,400	15,88	15,75	7,92	32,7	35,0	24,00	3,25	38,9/8841	2,62
100SS	31,750	19,05	18,90	9,53	40,4	44,7	30,00	4,00	60,0/13636	3,94
120SS	38,100	22,23	25,22	11,10	50,3	54,3	35,70	4,80	72,5/16477	5,72
140SS	44,450	25,40	25,22	12,70	54,4	59,0	41,00	5,60	94,0/21363	7,70
04SS	6,000	4,00	2,80	1,85	6,8	7,8	5,00	0,60	2,0/455	0,11
05BSS	8,000	5,00	3,00	2,31	8,2	8,9	7,10	0,80	3,5/795	0,20
#06BSS	9,525	6,35	5,72	3,28	13,2	14,1	8,20	1,30	6,2/1409	0,41
08BSS	12,700	8,51	7,75	4,45	16,7	18,2	11,80	1,60	12,0/2727	0,70
10BSS	15,875	10,16	9,65	5,08	19,5	20,9	14,70	1,70	14,5/3295	0,94
12BSS	19,050	12,07	11,68	5,72	22,5	24,2	16,00	1,85	18,5/4205	1,16
16BSS	25,400	15,88	17,02	8,28	36,1	37,4	21,00	4,15/3,1	40,0/9091	2,73
20BSS	31,750	19,05	19,56	10,19	41,3	45,0	26,40	4,5/3,5	59,0/13409	3,73
24BSS	38,100	25,40	25,40	14,63	53,4	57,8	33,20	6,0/4,8	104,0/25454	7,20
32BSS	50,800	29,21	30,99	17,81	66,0	71,0	42,00	7,0/6,0	150,0/34090	10,22

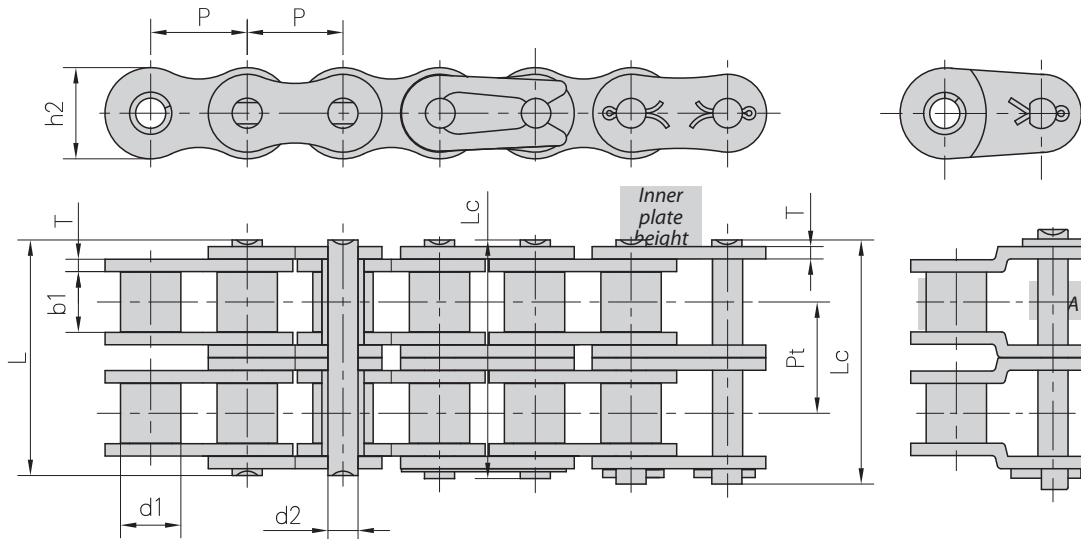
\* Bushing chains: d1 in the table indicate the external diameter of the bushing


# Straight side plates

# Stainless steel roller chains - DIN 8187 / 8188


## ISO 606 - European / ANSI - American standard

Duplex



DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
					L	Lc						
					max	max						
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	Pt	Q min	Qo	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
05B-2SS	8,000	5,00	3,00	2,31	13,9	14,5	07,10	0,80	5,64	6,2/1409	7,5	0,36
*06B-2SS	9,525	6,35	5,72	3,28	23,4	24,4	8,20	1,30	10,24	11,9/2704	13,3	0,78
08B-2SS	12,700	8,51	7,75	4,45	31,2	32,2	11,80	1,60	13,92	20,8/4265	24,5	1,36
10B-2SS	15,875	10,16	9,65	5,08	36,1	37,5	14,70	1,70	16,59	26,3/5976	32,1	1,92
12B-2SS	19,050	12,07	11,68	5,72	42,0	43,6	16,00	1,85	19,46	35,4/8044	42,0	2,44
16B-2SS	25,400	15,88	17,02	8,28	68,0	69,3	21,00	4,15/3,1	31,88	68,0/15452	84,6	5,58
20B-2SS	31,750	19,05	19,56	10,19	77,8	81,5	26,40	4,5/3,5	36,45	110,6/24996	132,0	7,77
24B-2SS	38,100	25,40	25,40	14,63	101,7	106,2	33,20	6,0/4,8	48,36	182/41403	218,4	14,48

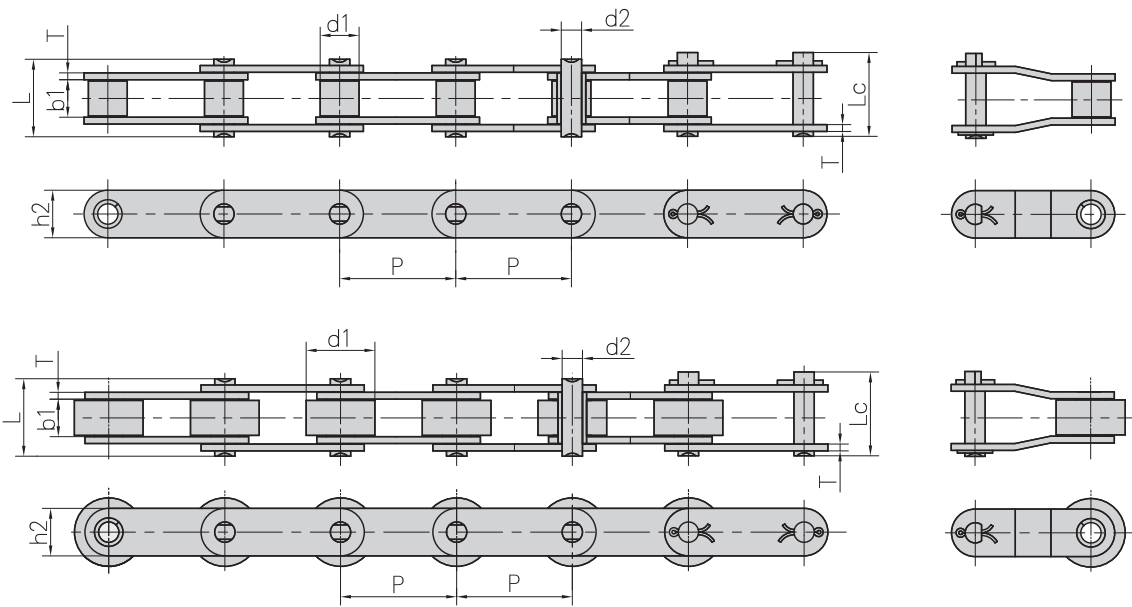
\* Straight side plates

DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per meter
					L	Lc						
					max	max						
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	Pt	Q min	Qo	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
*35-2SS	9,525	5,08	4,77	3,58	22,5	23,3	9,00	1,30	10,13	10,8/4045	12,9	0,70
40-2SS	12,700	7,95	7,85	3,96	31,0	32,2	12,00	1,50	14,38	17,9/4068	21,6	1,30
50-2SS	15,875	10,16	9,40	5,08	38,9	40,4	15,09	2,03	18,11	28,9/6567	33,5	2,10
60-2SS	19,050	11,91	12,57	5,94	48,8	50,5	18,00	2,42	22,78	36,5/8294	42,3	3,09
80-2SS	25,400	15,88	15,75	7,92	62,7	64,3	24,00	3,25	29,29	67,2/15270	77,9	5,20
100-2SS	31,750	19,05	18,90	9,53	76,4	80,5	30,00	4,00	35,76	109,1/24791	127,2	8,01
120-2SS	38,100	22,23	25,22	11,10	95,8	99,7	35,70	4,80	45,44	165,1/37517	192,3	11,84

\* Straight side plates

# Double pitch stainless steel conveyor chains

## Simplex

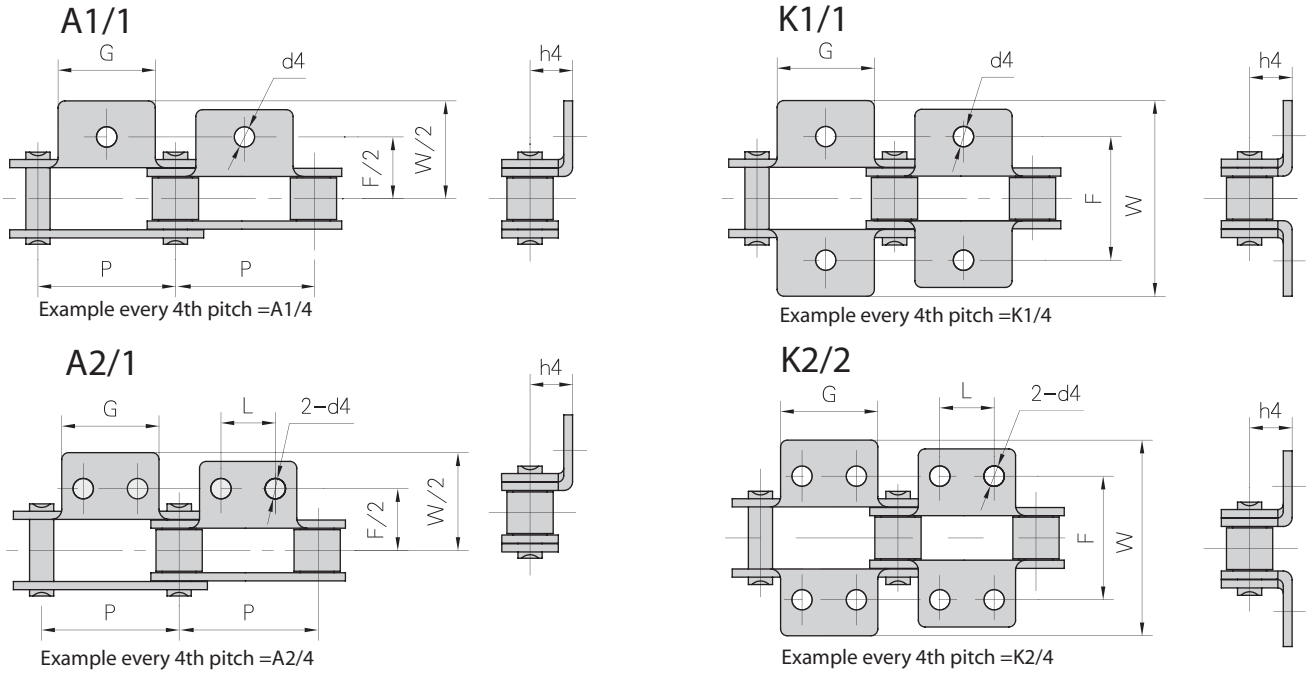


ANSI DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thick- ness	Ultimate tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	F <sub>B</sub> min.	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m
C204OSS C2042SS *	25,40	7,95 15,88	7,85	4,0	16,6	17,8	12,0	1,50	9,6/2182	0,51 0,85
C204OHSS	25,40	7,95	7,85	4,0	18,8	19,9	12,0	2,03	9,6/2182	0,66
C208BSS C208BLS *	25,40	8,51 15,88	7,75	4,5	16,7	18,2	11,8	1,60	12,0/2727	0,56 0,90
C205OSS C2052SS *	31,75	10,16 19,05	9,40	5,1	20,7	22,2	15,0	2,03	15,2/3455	0,79 1,29
C206OSS C2062SS *	38,10	11,91 22,23	12,57	5,9	25,9	27,7	18,0	2,42	21,7/4932	1,13 1,63
C206OHSS C2062HSS *	38,10	11,91 22,23	12,57	5,9	29,2	31,6	18,0	3,25	21,7/4932	1,46 2,10
C208OSS C2082SS *	50,80	15,88 28,58	15,75	7,9	32,7	36,5	24,0	3,25	38,9/8841	2,11 3,16
C208OHSS C2082HSS *	50,80	15,88 28,58	15,75	7,9	36,2	39,4	24,0	4,00	38,9/8841	2,57 3,63
C2100SS C2102SS *	63,50	19,05 39,67	18,90	9,5	40,4	44,7	30,0	4,00	60,0/13636	3,05 4,89
C2100HSS C2102HSS *	63,50	19,05 39,67	18,90	9,5	43,6	46,9	30,0	4,80	60,0/13636	3,61 5,45

\* Type with large rollers see page A-31

# Double pitch stainless steel conveyor chains with attachments

*Bent, one or two holes*



ANSI DIN Ref.	P	G	L	F	W	h4	d4
	mm	mm	mm	mm	mm	mm	mm
C204OSS C2042SS *	25,4	19,1	9,5	25,4	39,6	9,1	3,4
C208BSS C208BLSS *	25,4	23,2	12,7	25,4	39,6	9,1	4,5
C205OSS C2052SS *	31,75	23,8	11,9	31,8	49	11,1	5,5
C206OSS C2062SS *	38,1	28,6	14,3	42,9	67,8	14,7	5,5
C206OHSS C2062HSS *	38,1	28,6	14,3	42,9	67,8	14,7	5,5
C208OSS C2082SS *	50,8	38,1	19,1	55,6	87,8	19,1	6,8
C208OHSS C2082HSS *	50,8	38,1	19,1	55,6	87,8	19,1	6,8
C210OSS C2102SS *	63,5	47,6	23,8	66,6	107,5	23,4	9,2
C2100HSS C2102HSS *	63,5	47,6	23,8	66,6	107,5	23,4	9,2

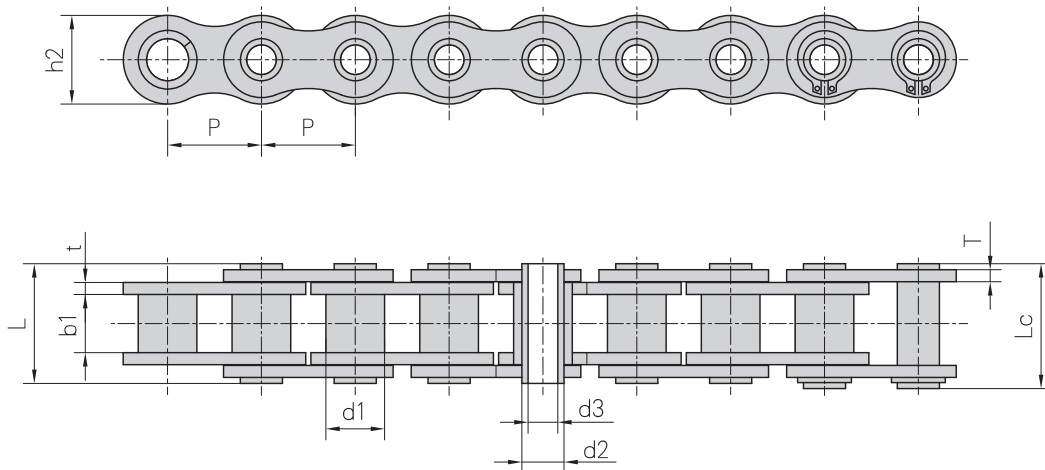
\* Type with large rollers






# Hollow pin bushing chains

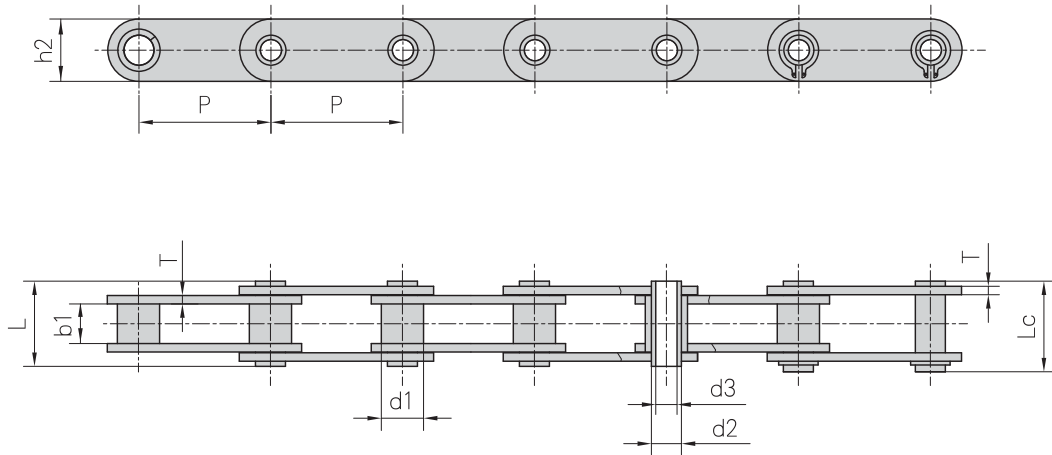
Simplex



DIN ANSI Ref.	Pitch	Bush diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thick- ness	Ultimate tensile strength	Average tensile strength	Weight per meter
				$d_2$	$d_3$	$L$	$L_c$					
				max	min	max	max					
	$P$	$d_1$	$b_1$	$d_2$	$d_3$	$L$	$L_c$	$h_2$	$t/T$	$F_B$	$F_{BA}$	$q$
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
08BHPPF	12,700	8,51	7,75	6,55	4,50	16,4	17,6	11,80	1,6/1,3	11,1/2523	12,1	0,56
08BHPPF5	12,700	8,51	7,75	6,30	4,50	16,8	18,0	12,00	1,60	9,6/2182	10,6	0,62
10BHPPF3	15,875	10,16	9,65	7,02	5,13	19,5	20,5	14,70	1,70	10,0/2272	11,5	0,86
10BHPPF4	15,875	10,16	9,50	7,20	5,00	19,8	21,3	14,00	2,03/1,6	12,5/2840	14,0	0,82
12BHPPF2	19,050	12,07	11,68	8,09	6,00	22,7	23,9	16,10	1,85	14,0/3180	16,0	0,82
12BHPPF3	19,050	12,07	11,70	8,22	5,75	23,6	24,9	16,20	2,42/1,85	16,0/3636	18,0	1,14
40H1P	12,700	7,95	7,85	5,63	4,00	16,5	17,6	12,00	1,50	11,0/2500	12,2	0,54
50H1P	15,875	10,16	9,40	7,03	5,13	20,7	21,9	15,09	2,03	20,0/4545	22,6	0,91
60HP	19,050	11,91	12,70	8,31	6,00	25,8	26,8	18,00	2,42	24,0/5455	26,9	1,29
60HPPF1	19,050	11,91	12,70	8,31	5,01	25,5	26,8	18,00	2,42	28,0/6364	30,9	1,37
80HP	25,400	15,88	15,75	11,40	8,05	32,5	33,8	24,00	3,25	50,0/11364	52,0	2,26
80HPPF2	25,400	15,88	15,75	11,40	8,40	32,5	33,8	24,00	3,25	45,0/10227	48,0	2,23

# Hollow pin double pitch bushing chains

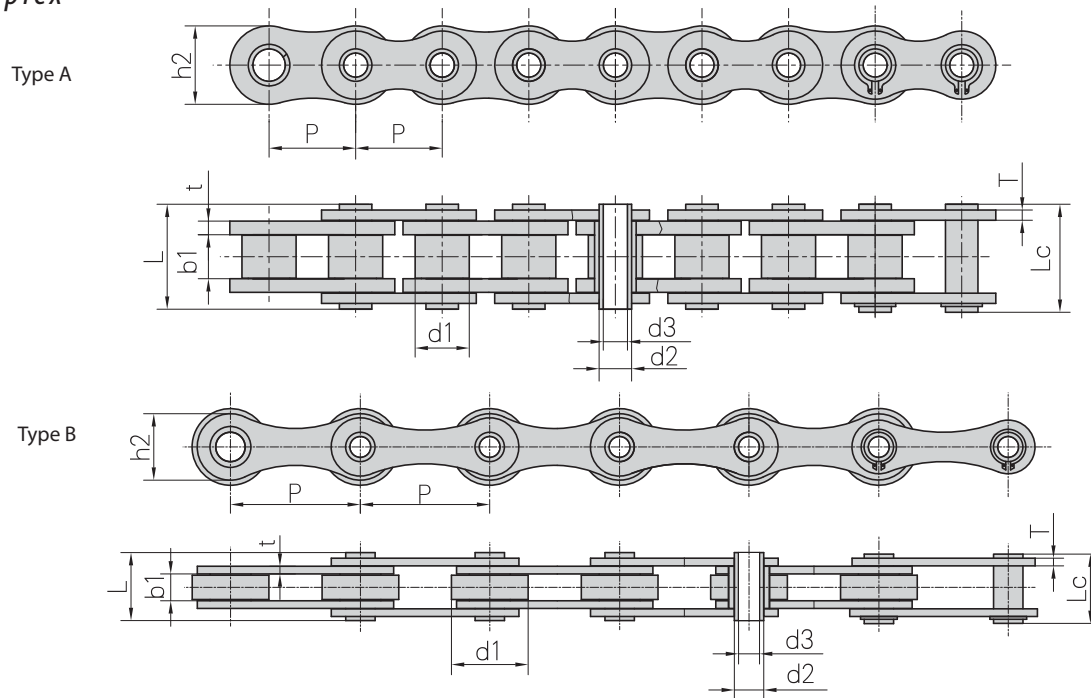
Simplex




ANSI Ref.	Pitch	Bush diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter	
				d1	d2	d3	L						Lc
				max	max	min	max						max
	P	d1	b1	d2	d3	L	Lc	h2	T	F <sub>B</sub>	F <sub>BA</sub>	q	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m	
C204OHP	25,400	7,95	7,85	5,63	4,00	16,5	17,6	12,00	1,50	11,0/2500	12,6	0,46	
C205OHP	31,750	10,16	9,40	7,22	5,12	20,5	21,8	15,00	2,03	20,4/4636	22,8	0,76	
C206OHP	38,100	11,91	12,70	8,31	6,00	25,8	26,8	17,00	2,42	24,0/5455	27,1	1,02	
HP40F1	40,000	18,00	22,00	12,00	8,00	47,5	48,2	35,00	5,00	57,0/13049	63,8	5,38	
HP40F2	40,000	18,00	22,00	12,00	8,20	47,5	48,2	35,00	5,00	57,0/13049	63,0	5,37	
C208OHP	50,800	15,88	15,75	11,40	8,05	32,5	33,8	24,00	3,25	50,0/11364	52,0	1,81	
HP50F1	50,000	26,00	14,50	20,00	14,70	35,3	36,2	40,00	3,10	30,0/6818	33,6	3,98	
C40HP	12,700	7,95	7,85	5,63	4,00	16,5	17,6	12,00	1,50	11,0/2500	12,2	0,64	
C50HP	15,875	10,16	9,40	7,03	5,13	20,7	21,9	15,09	2,03	20,0/4545	22,6	1,05	
C60HP	19,050	11,91	12,70	8,31	6,00	25,8	26,8	18,00	2,42	24,0/5455	26,9	1,52	
C80HP	25,400	15,88	15,75	11,40	8,05	32,5	33,8	24,00	3,25	50,0/11364	52,0	2,63	

# Hollow pin roller chains

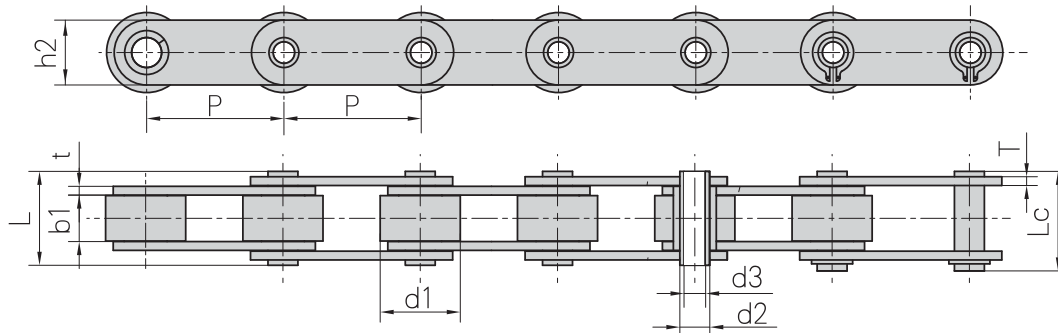
## Simplex



DIN Ref. 	Pitch	Roller diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter	
	P	d1 max	b1 min	d2 max	d3 min	L max	Lc max	h2 max	t/T max	F <sub>B</sub> min.	F <sub>BA</sub>	q	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m	
10BHB	15,875	10,16	9,65	5,94	4,04	19,3	20,6	14,70	1,70	17,00/3864	20,8	0,86	A
12BHP	19,050	12,07	11,68	6,50	4,00	21,6	22,8	15,90	1,85	23,60/5364	25,9	1,09	A
60HB	19,050	11,91	12,70	7,00	5,01	25,5	26,6	18,00	2,42	20,00/4545	22,4	1,35	A
16BHBF1	25,400	15,88	12,70	9,53	7,05	30,8	32,2	23,00	4,15/3,1	40,00/9091	45,0	2,28	A
HB25.4	25,400	20,00	8,00	8,00	5,20	19,5	20,5	17,00	2,03	25,00/5680	28,0	1,30	A
HP35	35,000	20,00	16,00	13,35	10,20	30,4	31,6	26,30	2,50	23,52/5345	26,4	2,02	A
HP41.75F1	41,750	17,10	20,20	11,11	8,20	35,7	39,0	21,65	3,10	26,50/6022	29,2	1,60	A
HP41.75F2	41,750	17,10	20,20	11,11	8,20	35,7	41,0	25,26	3,10	49,00/11136	54,8	2,04	A
HP41.75F3	41,750	17,00	20,50	11,00	8,30	36,0	39,5	21,40	3,00	27,00/6136	28,0	1,62	A
HP50F2	50,000	31,00	15,00	13,20	10,20	36,5	38,0	25,00	4,00	40,00/9091	43,2	3,40	B
HB38.1	38,100	20,00	8,00	8,00	5,30	19,6	20,7	17,30	2,03	28,00/5682	28,8	0,98	B
HB38.1 F1	38,100	20,00	18,00	10,50	5,10	39,0	40,3	22,00	4,00	60,00/13636	64,3	2,59	B
HB50.8	50,800	30,00	10,50	11,40	8,20	27,4	28,6	26,00	3,10	50,00/11364	53,6	2,56	B
HB50	50,000	30,00	10,50	11,40	8,20	27,4	28,6	26,00	3,10	50,00/11364	53,6	2,23	B
HB63	63,000	30,00	10,00	11,40	8,10	26,7	28,1	26,50	3,10	50,00/11364	53,6	2,07	B
HB63F1	63,000	40,00	10,00	11,40	8,10	26,7	28,1	26,50	3,10	50,00/11364	53,6	2,27	B
HB63F2	63,000	40,00	20,00	11,40	8,10	36,7	38,1	26,50	3,10	50,00/11364	53,6	3,20	B
HB63F3	63,000	40,00	15,00	11,40	8,20	35,6	37,0	26,50	4,00	35,00/7955	38,5	3,90	B
HB100	100,000	30,00	10,50	11,40	8,20	27,4	28,6	26,00	3,10	50,00/11364	53,6	1,56	B

# Hollow pin double pitch conveyor chains

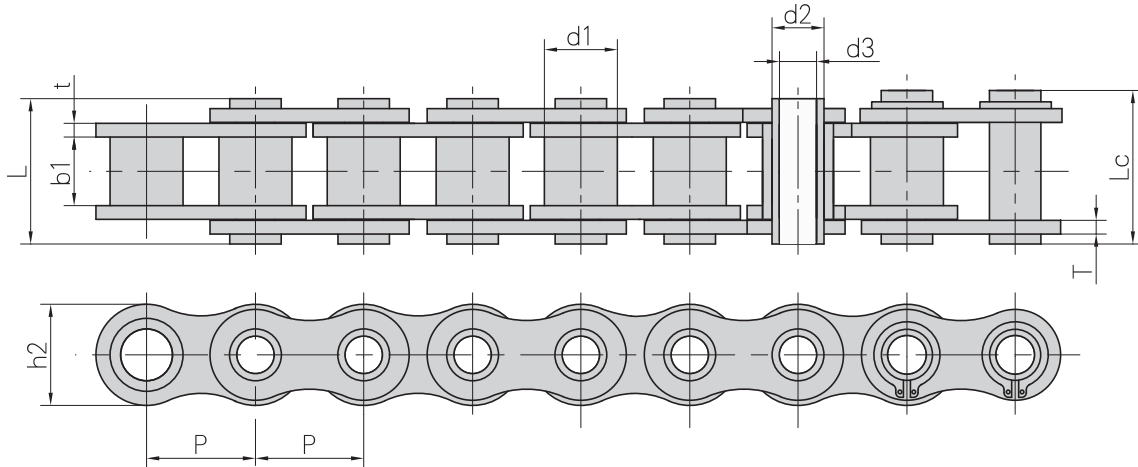
Simplex



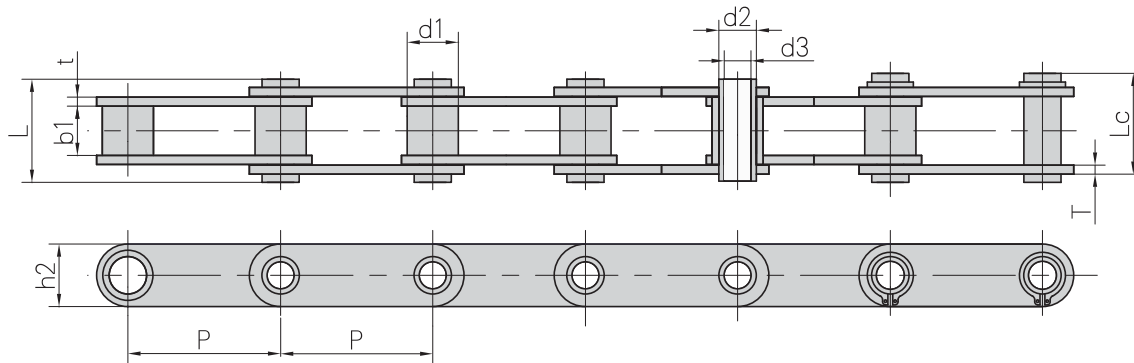
ANSI DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thick- ness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	d3 min	L max	Lc max	h2 max	t/T max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
C2042HP	25,40	15,88	7,85	5,63	4,00	16,5	17,6	12,0	1,50	11,0/2500	12,6	0,78
C2052HP	31,75	19,05	9,53	7,22	5,12	20,5	21,8	15,0	2,03	20,4/4636	22,8	1,25
C2062HP	38,10	22,23	12,70	8,31	6,00	25,8	26,8	17,0	2,42	24,0/5455	27,1	1,72
C2082HP	50,80	28,58	15,75	11,40	8,05	32,4	33,8	24,0	3,25	50,0/11364	52,0	2,82
C2052HPF1	31,75	19,05	9,40	7,03	5,12	20,0	21,5	15,3	1,85	15,0/3409	17,3	1,21
C2052HPF3	31,75	19,05	9,53	7,02	5,13	20,1	21,6	15,1	2,03	19,6/4455	21,6	1,20
C2042H-HP	25,40	15,88	7,85	5,63	4,00	18,8	19,9	12,0	2,03	11,0/2500	13,2	0,95
C2052H-HP	31,75	19,05	9,53	7,22	5,12	22,1	23,4	15,0	2,42	20,4/4545	23,5	1,44
C2062H-HP	38,10	22,23	12,70	8,31	6,00	29,2	30,2	17,0	3,25	24,0/5455	27,6	1,99
C2082H-HP	50,80	28,58	15,75	11,40	8,05	35,7	37,0	24,0	4,00	50,0/11364	56,5	3,34
HP40	40,00	22,00	8,75	9,00	6,00	23,0	24,2	18,0	2,50	27,0/4545	28,0	1,49
HP50	50,00	31,00	14,50	13,20	10,40	31,1	32,5	25,0	3,10	30,0/6818	34,2	3,29
HP50F4	50,00	31,00	15,00	13,20	10,20	36,5	38,0	25,0	4,00	40,0/9091	44,8	3,73
63HPF1	63,00	40,00	15,00	16,00	12,10	35,0	36,2	28,5	4,00	50,0/11364	56,7	4,20
HB38.1 F2	38,10	25,40	12,70	9,50	6,60	26,6	28,0	19,1	2,30	20,0/4545	22,4	2,07
HB50.8F3	50,80	30,00	16,00	14,00	9,00	36,4	37,5	25,5	3,10	42,0/9545	47,0	3,20
HB75	75,00	40,00	22,00	18,00	12,20	42,0	44,0	35,0	4,00	60,0/13636	72,0	5,57
HB76.2	76,20	31,75	15,50	12,70	9,50	35,5	37,0	26,0	4,00	42,0/9545	49,2	3,25
HB76.2F2	76,20	47,60	20,00	24,00	18,50	44,5	46,1	40,0	5,0/4,0	79,0/17953	92,5	6,77
HB80	80,00	50,00	20,00	24,00	18,50	44,5	46,1	40,0	5,0/4,0	79,0/17953	92,5	6,81
HP100	100,00	45,00	22,00	16,00	12,00	46,0	47,5	35,0	5,00	75,0/17044	90,0	6,20
HP100F1	100,00	45,00	22,00	18,00	12,00	47,2	48,5	35,0	5,00	75,0/17044	90,0	6,15
HP101.6F1	101,60	47,60	19,00	19,00	13,20	46,2	48,0	40,0	5,0/4,0	53,0/12045	58,2	6,09
HP101.6F2	101,60	66,70	25,40	26,90	20,10	59,2	60,7	51,0	7,1/5,1	150,0/34088	160,0	14,23
HP152	152,40	66,70	25,40	26,90	19,56	57,2	59,5	50,8	7,1/5,1	94,0/21362	107,8	9,9
HP152.4F1	152,40	47,60	19,00	19,00	13,20	46,2	48,0	40,0	5,0/4,0	54,0/12270	59,5	5,0

# Stainless steel hollow pin bushing chains

## Simplex



## Type B



DIN ANSI Ref.	Pitch	Bush role diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thick- ness	Ultimate tensile strength	Weight per meter	
				d1	d3	L	Lc					
				max	max	max	max					
	P	d1	b1	d2	d3	L	Lc	h2	t/T	F <sub>B</sub>	q	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m	
08BHPFSS	12,700	8,51	7,75	6,55	4,50	16,4	17,6	11,80	1,6/1,3	7,8/1773	0,57	A
40HPSS	12,700	7,95	7,85	5,63	4,00	16,5	17,6	12,00	1,50	7,7/1750	0,55	A
50HPSS	15,875	10,16	9,40	7,03	5,13	20,7	21,9	15,09	2,03	14,0/3182	0,92	A
60HPSS	19,050	11,91	12,70	8,31	6,00	25,8	26,8	18,00	2,42	16,8/3818	1,31	A
12BHPSS	19,050	12,07	11,68	6,50	4,00	21,6	22,8	15,90	1,85	16,5/3750	1,10	A
80HPSS	25,400	15,88	15,75	11,40	8,05	32,5	33,8	24,00	3,25	35,0/7955	2,29	A
C204OHPSS *	25,400	7,95	7,85	5,63	4,00	16,5	17,6	12,00	1,50	7,7/1750	0,47	B
C205OHPSS *	31,750	10,16	9,40	7,22	5,12	20,5	21,8	15,00	2,03	14,3/3250	0,77	B
C206OHPSS *	38,100	11,91	12,70	8,31	6,00	25,8	26,8	17,00	2,42	16,8/3818	1,03	B
C208OHPSS *	50,800	15,88	15,75	11,40	8,05	32,5	33,8	24,00	3,25	35,0/7955	1,83	B
HB50.8SS **	50,800	30,00	10,50	11,40	8,20	27,4	28,6	26,00	3,10	35,0/7955	2,60	A

\* Type with large rollers

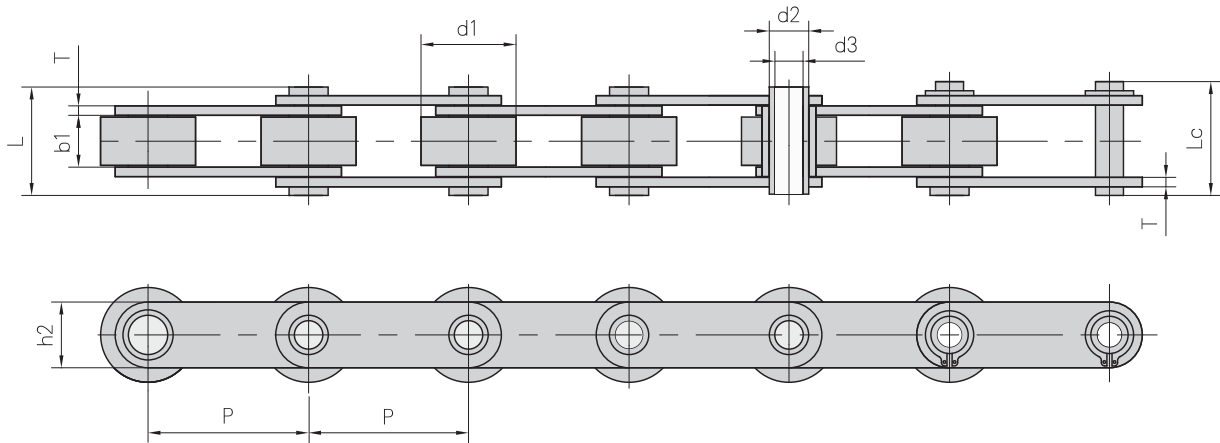
\*\* Type with large rollers and also available with plastic (DELRIN) rollers




# Stainless steel hollow pin double pitch conveyor chains

Simplex

ROLLER CHAINS

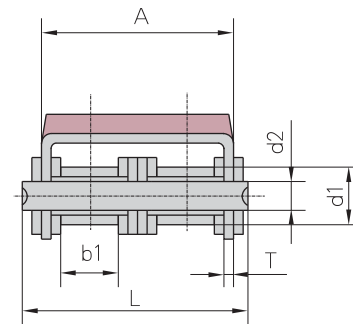
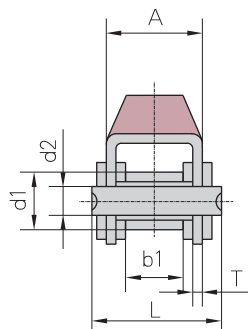
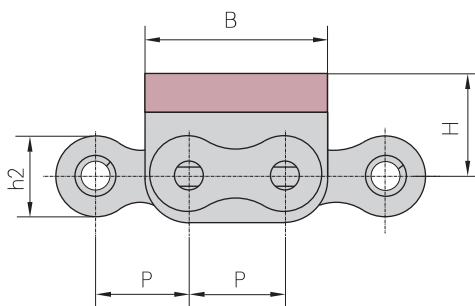



ANSI Ref. 	Pitch	Roller diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	d3 min	L max	Lc max	h2 max	T max	F <sub>B</sub> min.	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m
C2042HPSS	25,40	15,88	7,85	5,63	4,00	16,5	17,6	12,0	1,50	7,7/1750	0,79
C2052HPSS	31,75	19,05	9,53	7,22	5,12	20,5	21,8	15,0	2,03	14,3/3250	1,27
C2062HPSS	38,10	22,23	12,70	8,31	6,00	25,8	26,8	17,0	2,42	16,8/3818	1,74
C2082HPSS	50,80	28,58	15,75	11,40	8,05	32,4	33,8	24,0	3,25	35,0/7955	2,86
C2042H-HPSS	25,40	15,88	7,85	5,63	4,00	18,8	19,9	12,0	2,03	7,7/1750	0,96
C2052H-HPSS	31,75	19,05	9,53	7,22	5,12	22,1	23,4	15,0	2,42	14,3/3250	1,46
C2062H-HPSS	38,10	22,23	12,70	8,31	6,00	29,2	30,2	17,0	3,25	16,8/3818	2,02
C2082H-HPSS	50,80	28,58	15,75	11,40	8,05	36,2	37,6	24,0	4,00	35,0/7955	3,30



# Roller chains with vulcanised elastomer profiles

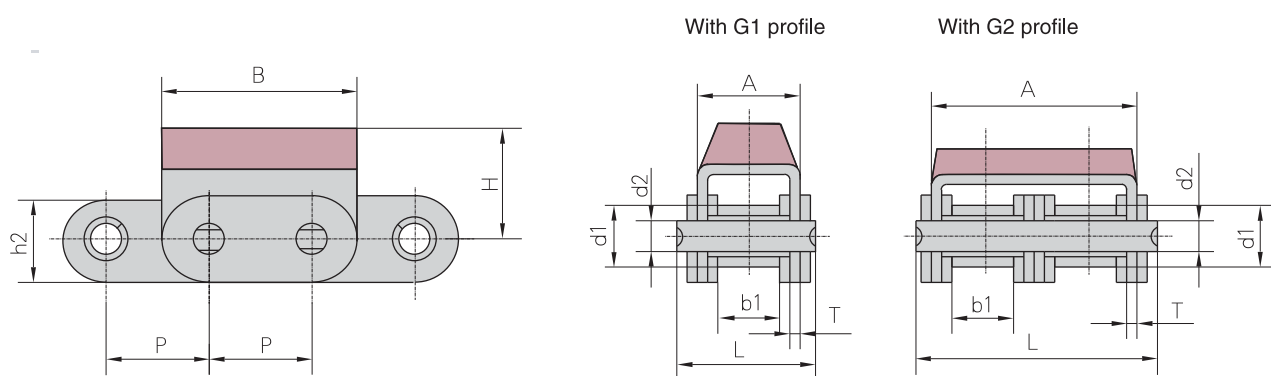
Simplex & Duplex



DIN Ref. 	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Plate and attachment dimension					Ultimate tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	h2 max	A	B	H	T	F <sub>B</sub> min.	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m
08B-G1	12,70	8,51	7,75	4,45	20,0	11,8	14,6	24,2	12,3	1,60	18,0/4091	1,19
08B-G2	12,70	8,51	7,75	4,45	34,3	11,8	28,4	24,2	12,3	1,50	32,0/7273	2,07
10B-G1	15,88	10,16	9,65	5,08	23,2	14,7	16,8	30,0	17,0	1,60	19,0/4318	1,62
10B-G2	15,88	10,16	9,65	5,08	39,7	14,7	33,3	30,0	17,0	1,50	44,5/10114	2,56
12B-G1	19,05	12,07	11,68	5,72	25,7	16,0	19,6	36,0	21,0	1,85	29,0/6591	2,01
12B-G2	19,05	12,07	11,68	5,72	45,3	16,0	39,1	36,0	16,0	1,85	57,8/13136	3,21
16A-G1	25,40	15,88	15,75	7,92	37,2	24,0	27,5	46,0	20,0	2,42	42,0/9545	3,97
16B-G1	25,40	15,88	17,02	8,28	39,7	21,0	29,1	49,0	21,4	1,60	58,0/13047	3,83
20B-G1	31,75	19,05	19,56	10,19	48,0	26,4	36,0	57,0	27,0	3,50	85,0/19318	6,19
24B-G1	38,10	25,40	25,40	14,63	61,6	33,2	47,0	72,6	34,0	4,50	160,0/36363	11,25

# Roller chains with vulcanised elastomer profiles with straight side plates

*Simplex & Duplex*

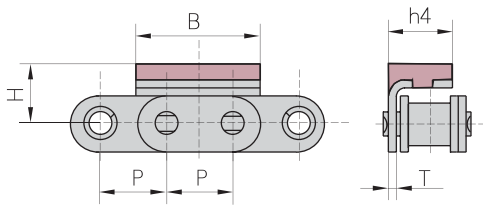


DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Plate and attachment dimension					Ultimate tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	h2 max	A	B	H	T	F <sub>B</sub> min.	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m
C08B-G1	12,70	8,51	7,75	4,45	20,0	11,8	14,6	24,2	12,3	1,60	18,0/4091	1,30
C08B-G2	12,70	8,51	7,75	4,45	34,3	11,8	28,4	24,2	12,3	1,50	32,0/7273	2,29
C10B-G1	15,88	10,16	9,65	5,08	23,2	14,7	16,8	30,0	17,0	1,60	19,0/4318	1,75
C10B-G2	15,88	10,16	9,65	5,08	39,7	14,7	33,3	30,0	17,0	1,50	44,5/10114	2,95
C12B-G1	19,05	12,07	11,68	5,72	25,7	16,0	19,6	36,0	21,0	1,85	29,0/6591	2,15
C12B-G2	19,05	12,07	11,68	5,72	45,3	16,0	39,1	36,0	16,0	1,85	57,8/13136	3,48
C16A-G1	25,40	15,88	15,75	7,92	37,2	24,0	27,5	46,0	20,0	2,42	42,0/9545	4,34
C16B-G1	25,40	15,88	17,02	8,28	39,7	21,0	29,1	49,0	21,4	1,60	58,0/13047	4,11
C20B-G1	31,75	19,05	19,56	10,19	48,0	26,4	36,0	57,0	27,0	3,50	85,0/19318	6,65
C24B-G1	38,10	25,40	25,40	14,63	61,6	33,2	47,0	72,6	34,0	4,50	160,0/36363	11,63



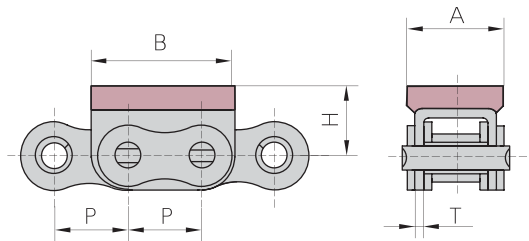
# Roller chains with vulcanised elastomer profiles

Simplex & Duplex

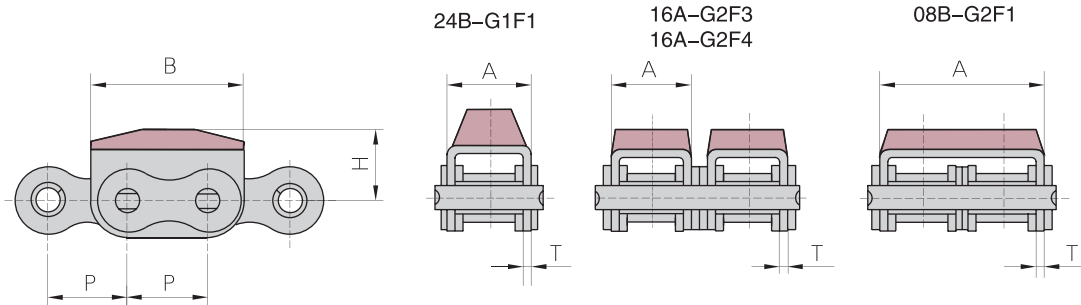
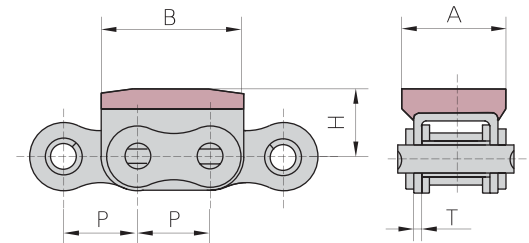


DIN Ref.	P	B	H	h4	T
	mm	mm	mm	mm	mm
06BF9	9,525	17,73	9,0	9,05	1,3

DIN Ref.	P	A	B	H	T
	mm	mm	mm	mm	mm
08B-G1F1	12,7	18,0	24,2	12,3	1,6



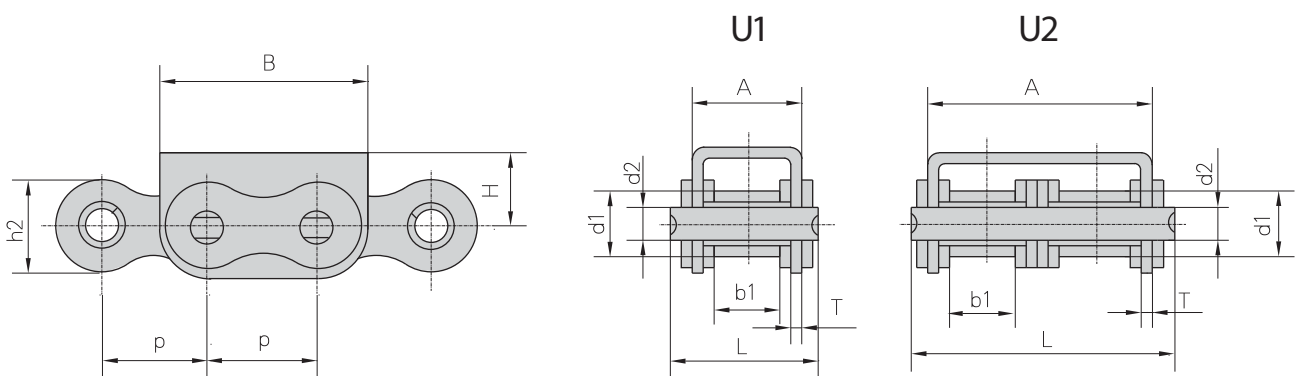
DIN Ref.	P	A	B	H	T
	mm	mm	mm	mm	mm
08B-G1 F4	12,7	18,0	24,2	12,3	1,6



DIN Ref.	P	A	B	H	T
	mm	mm	mm	mm	mm
08B-G2F1	12,7	28,4	24,2	12,0	1,5
16A-G2F3	25,4	27,5	49,0	21,4	2,42
16A-G2F4	25,4	27,0	49,2	20,0	2,03
24B-G1 F1	38,1	47,0	72,6	34,0	4,5

# Roller chains with U - type attachments

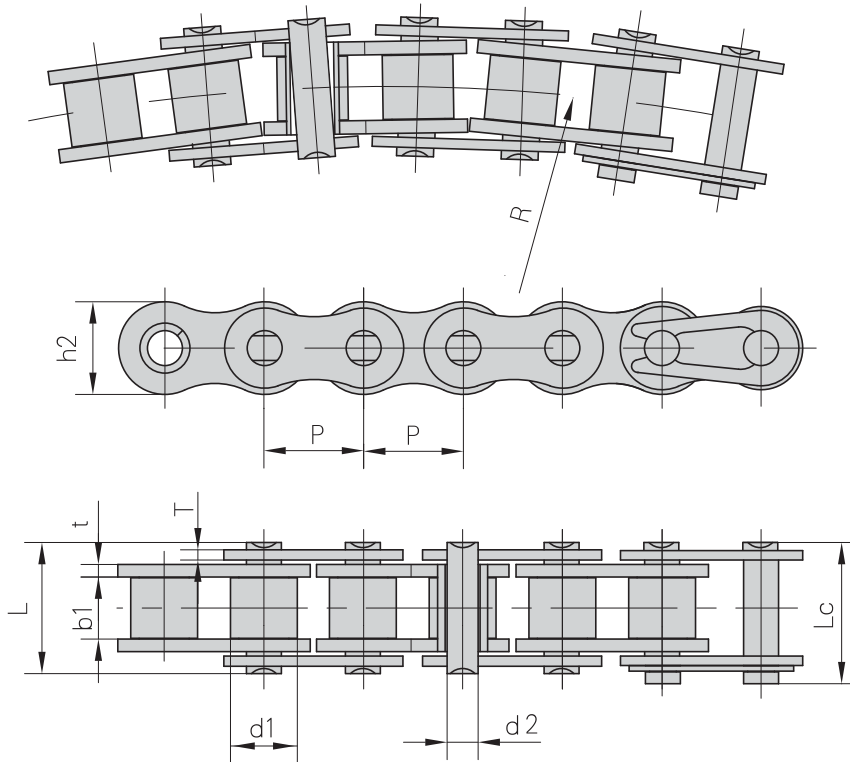
*Simplex & Duplex*



DIN Ref. 	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Plate and attachment dimension					Ultimate tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	h2 max	A	B	H	T	F <sub>B</sub> min.	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kg/m
08B-U1	12,70	8,51	7,75	4,45	20,0	11,8	14,6	24,2	8,3	1,60	18,0/4091	1,13
08B-U2	12,70	8,51	7,75	4,45	34,3	11,8	28,4	24,2	8,3	1,50	32,0/7273	1,96
10B-U1	15,88	10,16	9,65	5,08	23,2	14,7	16,8	30,0	11,3	1,60	19,0/4318	1,53
10B-U2	15,88	10,16	9,65	5,08	39,7	14,7	33,3	30,0	11,3	1,50	44,5/10114	2,47
12B-U1	19,05	12,07	11,68	5,72	25,7	16,0	19,6	36,0	13,0	1,85	29,0/6591	1,90
12B-U2	19,05	12,07	11,68	5,72	45,3	16,0	39,1	36,0	12,0	1,85	57,8/13136	3,03
16A-U1	25,40	15,88	15,75	7,92	37,2	24,0	27,5	46,0	16,0	2,42	42,0/9545	3,87
16B-U1	25,40	15,88	17,02	8,28	39,7	21,0	29,1	49,0	15,4	1,60	58,0/13407	3,73
20BF2	31,75	19,05	19,56	10,19	48,0	26,4	36,0	57,0	21,0	3,50	85,0/19318	6,01
24B-U1	38,10	25,40	25,40	14,63	61,6	33,2	47,0	72,6	28,0	4,50	160,0/36363	10,88

# Side bow chains

Simplex

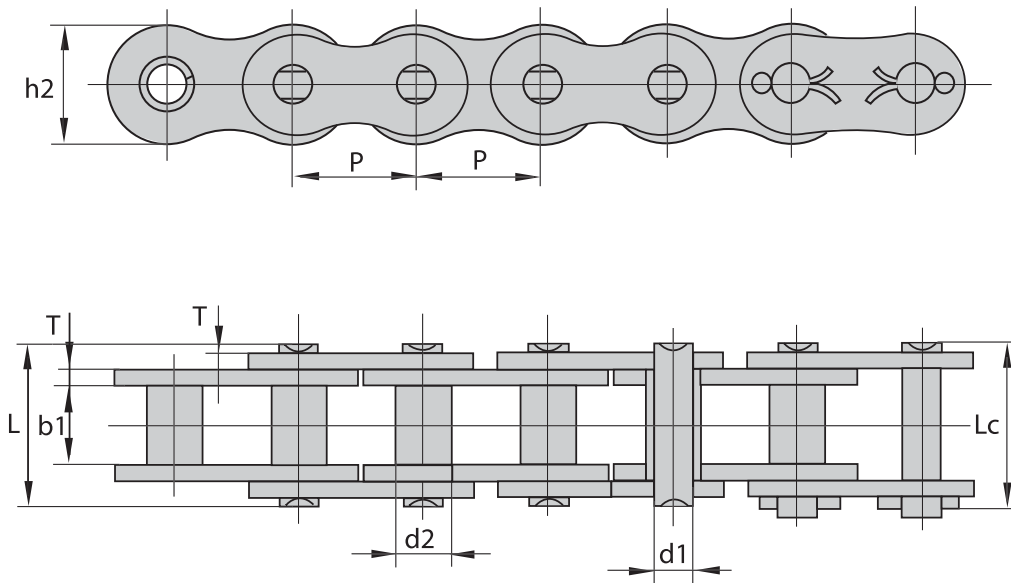


ANSI DIN Ref.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thick- ness	Side bow radius	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	t/T max	R min	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
40SB	12,70	7,95	7,85	3,96	16,9	18,1	11,7	1,5	350	13,8/3136	15,2	0,80
#43SB	12,70	7,95	7,85	3,45	18,3	19,5	11,7	1,5	200	12,0/2727	13,2	0,64
50SB	15,875	10,16	9,40	4,37	20,7	22,7	14,9	2,03	400	20,6/4681	22,7	1,09
60SB	19,05	11,91	12,57	5,34	26,6	28,4	18,0	2,42	500	15,7/3568	17,3	1,54
#63SB	19,05	11,91	12,68	5,08	28,8	30,6	17,2	2,42/2,03	430	12,5/2840	20,0	1,40
80SB	25,40	15,88	15,75	7,19	34,0	37,3	24,0	3,25	711	40,9/9201	42,0	2,60
08BSB	12,70	8,51	7,75	3,97	17,4	18,7	11,8	1,6	400	14,0/3182	15,4	0,70
08BSBF1	12,70	8,51	7,75	3,97	16,3	17,6	11,8	1,6/1,2	400	12,8/2909	14,1	0,65
10BSB	15,875	10,16	9,65	4,50	20,1	21,5	14,7	1,7	400	15,6/3545	17,2	0,93
12BSB	19,05	12,07	11,68	5,12	23,1	24,8	16,0	1,85	500	20,5/4658	22,6	1,16
C205OSB	31,75	10,16	9,40	5,08	21,3	22,6	15,0	2,03	800	21,8/4954	24,1	0,84

# Chains with both sided extended pins inner links with straight side plates  
 43 SB L = 18.4 mm 63 SB L = 28.0 mm

# Bushing chains - DIN 8164

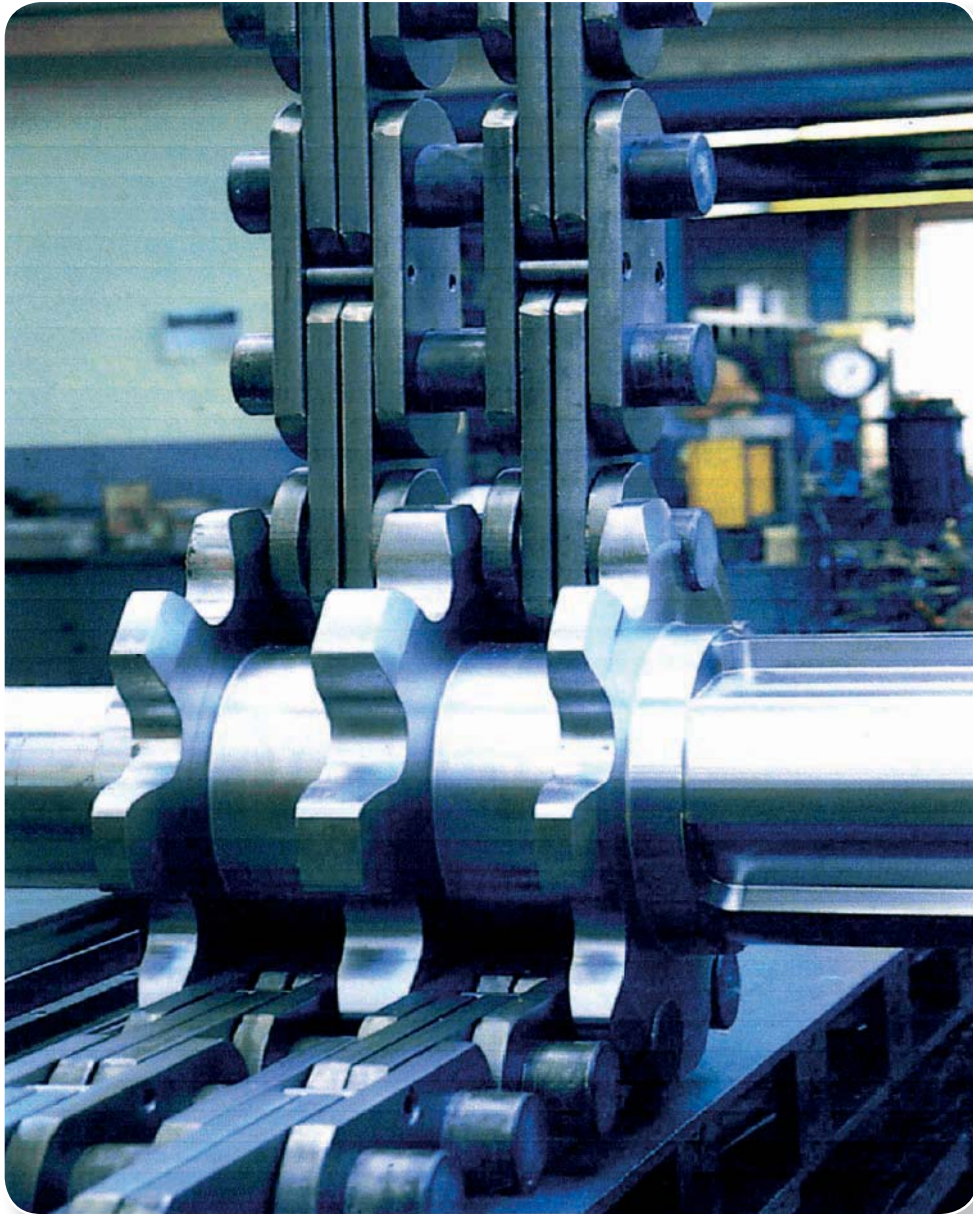
Simplex



Chain No.	Pitch	Width between plates	Pin diameter	Bush diameter	Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	b1 max	d1 max	d2 max	L max	Lc max	h2 max	T max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
010020	20,00	16,0	8,0	12,0	33,0	36,0	19,0	3,00	25,0/5624	27,5	2,03
010025	25,00	18,0	10,0	15,0	35,0	39,0	24,0	3,00	31,5/7086	34,7	2,67
010030	30,00	20,0	11,0	17,0	42,4	46,0	28,0	4,00	40,0/8998	44,0	3,75
010035	35,00	22,0	12,0	18,0	44,5	48,0	30,0	4,00	50,0/11248	55,0	4,33
010040	40,00	25,0	14,0	20,0	52,4	57,0	35,0	5,00	63,0/14172	69,3	5,43
010045	45,00	30,0	16,0	22,0	62,0	66,5	40,0	6,00	80,0/17996	88,0	7,54
010050	50,00	35,0	18,0	26,0	68,0	73,5	44,0	6,00	100,0/22495	110,0	8,90
010055	55,00	45,0	20,0	30,0	88,0	93,5	49,0	8,00	125,0/28119	137,5	13,92
010060	60,00	50,0	22,0	32,0	94,1	99,5	55,0	8,00	160,0/35993	176,0	15,20

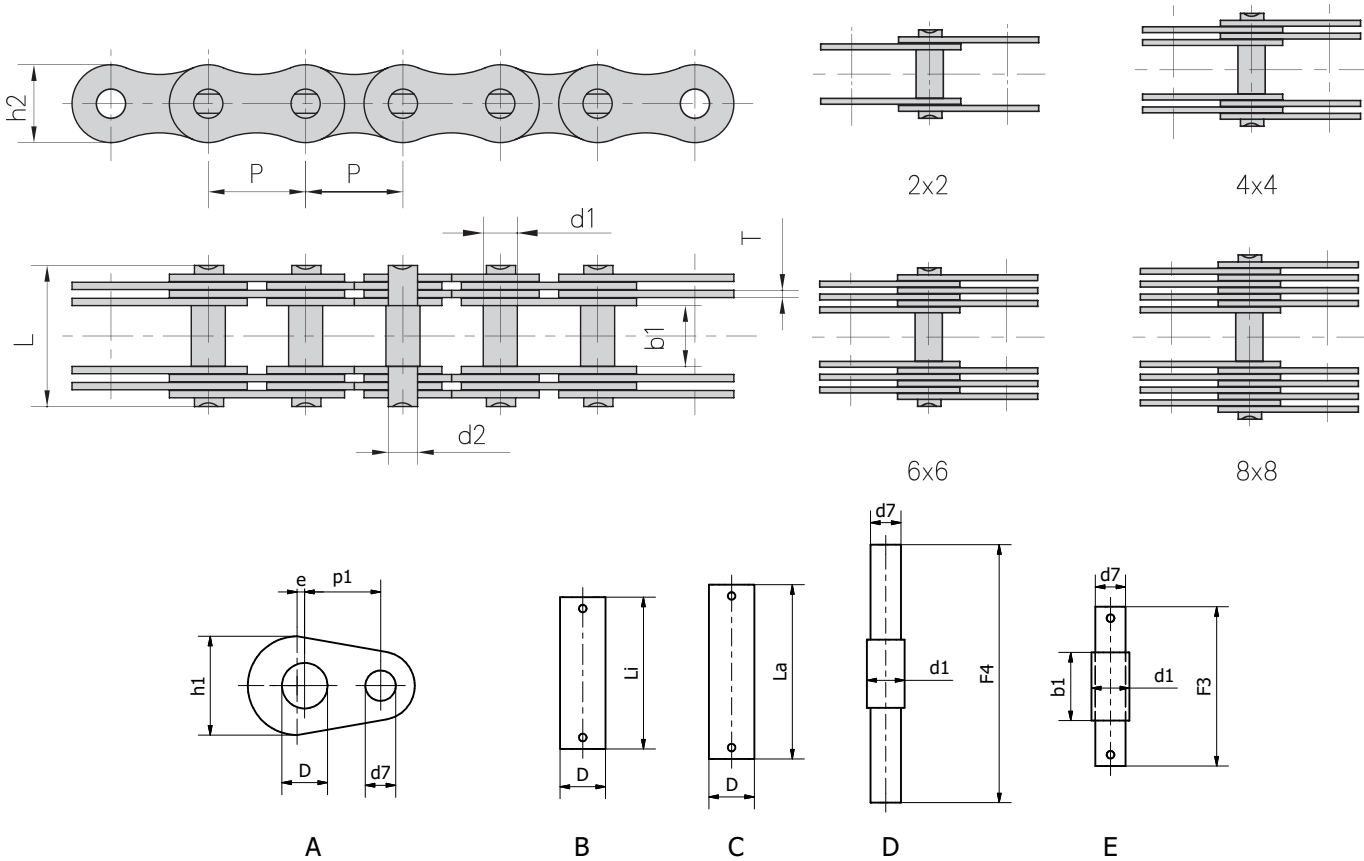


## Lock chain



Triplex gall chains pitch 180mm, 80mm shaft, 140 x 25mm side-plates.  
3840kN breaking-load. Sprockets triplex 3 x 8 teeth.

# Gall chains - DIN 8150 / 8151



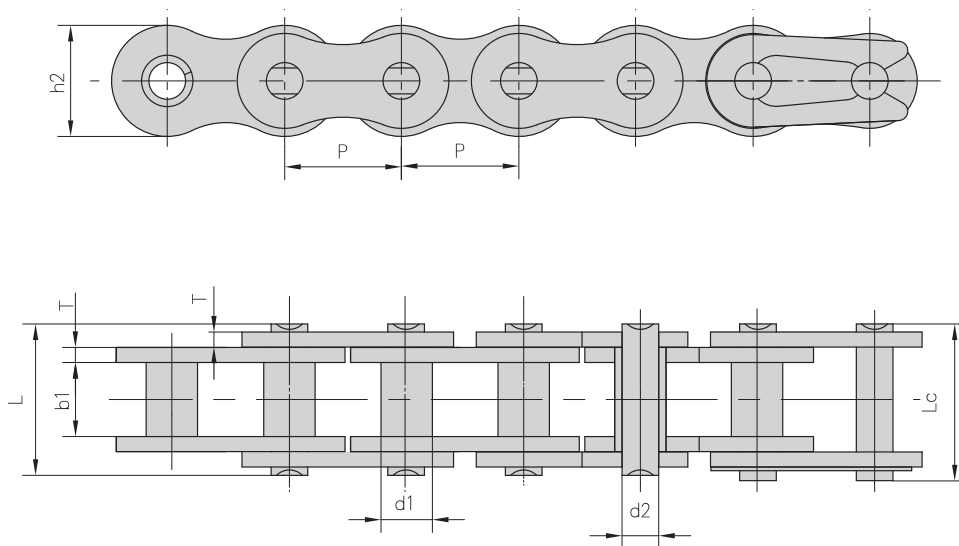
Chain No.	p mm	p1 mm	b1 mm min.	d1 mm max.	d2 mm	d7 mm	D mm max.	e mm	L mm max.	L1 mm max.	L2 mm max.	Li mm max.	La mm max.	h2 mm	h1 mm	T mm max.	Fb min.	q kg/m
G15	15	20	12	5	4	4	9	2	25	-	27	29	33	12	18	2,03	5,0/1125	0,7
G20	20	25	15	8	6	6	10	2	28	-	33	32	36	15	20	2,03	12,5/2818	1,1
G25	25	30	18	10	8	8	12	2,5	36	68	42	40	46	18	26	3	25,0/5624	1,8
G30	30	40	20	11	9	9	14	3	51	88	58	54	60	20	30	3	40,0/8999	3,4
G35	35	45	22	12	10	10	16	3,5	53	93	61	55	62	26	35	3	60,0/13498	4,5
G40	40	50	25	14	12	12	18	4	58	102	66	63	70	32	40	3	80,0/17998	5,0
G45	45	55	30	17	14	14	22	4,5	63	108	70	68	75	35	45	3	100,0/22497	7,0
G50	50	60	35	22	18	18	26	5	90	141	97	98	108	40	50	4,5	150,0/33746	11,3
G55	55	65	40	24	21	21	32	5,5	108	163	115	118	132	42	55	6,0	200,0/44994	14,5
G60	60	70	45	26	23	23	36	6	114	171	120	125	139	46	60	6,0	250,0/56243	17,1
G70	70	85	50	28	28	28	40	7	148	213	457	156	169	55	70	6,0	375,0/84364	34,0
G80	80	100	60	32	32	32	50	8,5	159	233	171	176	189	60	85	6,0	500,0/112486	39,0
G90	90	120	70	40	36	36	60	10	184	266	200	199	214	70	100	7,0	750,0/168728	53,0
G100	100	140	80	45	40	40	70	12	224	309	234	239	256	80	120	7,0	1000,0/224972	77,0
G110	110	160	90	50	45	45	80	14	236	327	251	264	279	90	140	7,0	1250,0/281215	90,0
G120	120	180	100	55	50	50	90	16	262	357	277	287	306	100	160	8,0	1500,0/337458	112,0




# Hoisting rollerless chains - DIN 8188

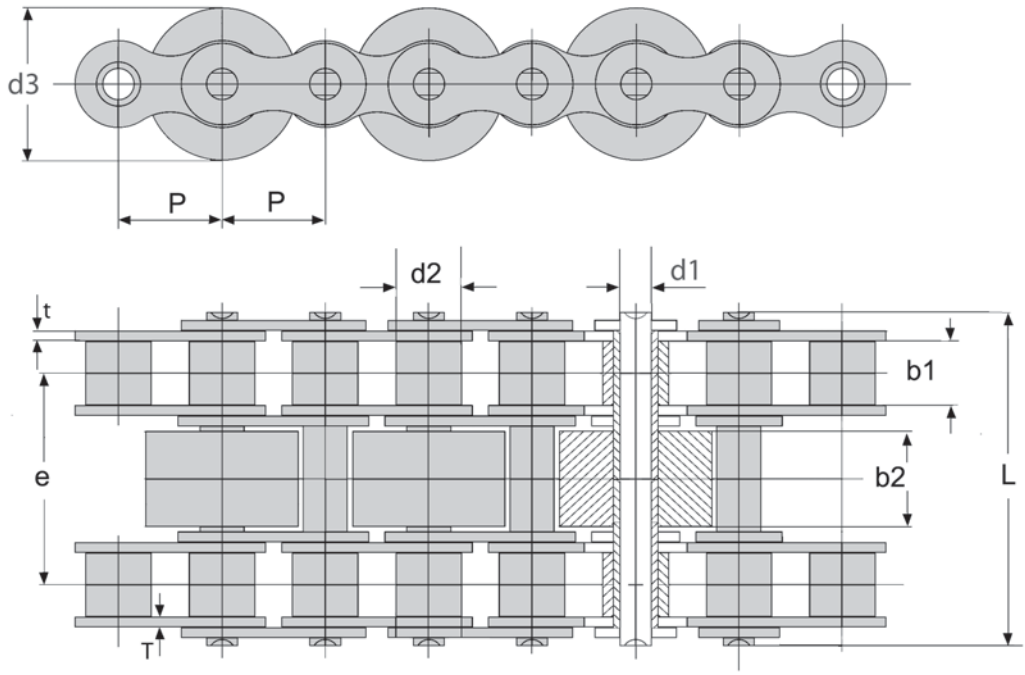
## ANSI - American standard

*Simplex*



ANSI Ref.	Pitch	Bush diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
45-1	12,700	5,63	7,85	3,96	16,6	17,8	12,00	1,50	14,10/3205	17,5	0,54
55-1	15,875	7,03	9,40	5,08	20,7	22,2	15,09	2,03	22,20/5045	29,4	0,83
65-1	19,050	8,33	12,57	5,94	25,9	27,7	18,00	2,42	31,80/7227	41,5	1,22
85-1	25,400	11,10	15,75	7,92	32,7	35,0	24,00	3,25	56,70/12886	69,4	2,16
105-1	31,750	13,60	18,90	9,53	40,4	44,7	30,00	4,00	88,50/20114	109,2	3,31
125-1	38,100	15,60	25,22	11,10	50,3	54,3	35,70	4,80	127,00/28864	156,3	4,97
145-1	44,450	18,00	25,22	12,70	54,4	59,0	41,00	5,60	172,40/39182	212,0	6,50
165-1	50,800	20,00	31,55	14,27	64,8	69,6	47,80	6,40	226,80/51545	278,9	8,70

# Accumulation roller chains



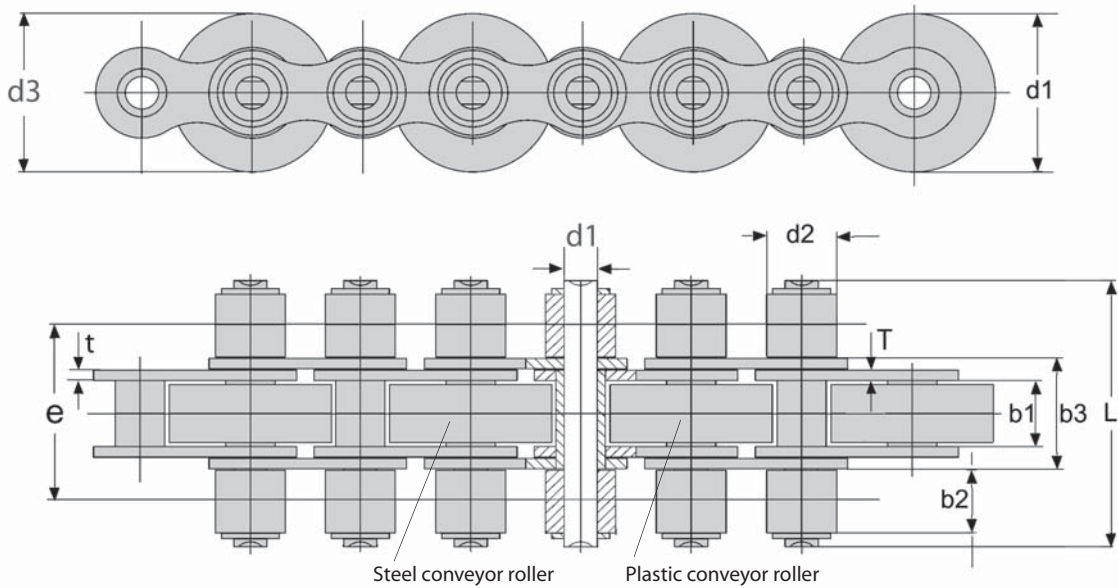
Chain No.	Pitch	Roller diameter		Pin diameter	Transverse	Pin length	Accumulation roller width	Width between plates	Inner plate height	max. perm. depth	max. chain load	Weight per meter
		$d3$	$d2$									
		$p$	$d3$									
mm	mm	mm	mm	mm	mm	mm	mm	mm	N	N	kg/m	
08B-3-45-P17	12,7	17,0	8,51	4,45	27,8	48,5	12,4	7,75	11,8	20	3800	2,55
08B-3-45-C17	12,7	17,0	8,51	4,45	27,8	48,5	124	7,75	11,8	50	3800	3,6
10B-3-52-P23	15,875	23,0	10,15	5,08	32,0	56,9	14,9	9,65	14,9	30	5050	3,4
10B-3-52-C23	15,875	23,0	10,15	5,08	32,0	56,9	14,9	9,65	14,9	80	5050	5,0
12B-3-62-P28	19,05	28,0	12,07	5,72	38,9	66,5	17,5	11,68	16,0	90	6700	4,7
12B-3-62-C28	19,05	28,0	12,07	5,72	38,9	66,5	17,5	11,68	16,0	140	6700	6,0
16B-100-P35	25,4	35,0	15,88	8,28	63,8	105,3	29,8	17,02	21,0	220	15775	10,3
16B-100-C35	25,4	35,0	15,88	8,28	63,8	105,3	29,8	17,02	21,0	280	15775	12,0


Note: P= plastic conveyor roller, C= steel conveyor roller



# Accumulation roller chains

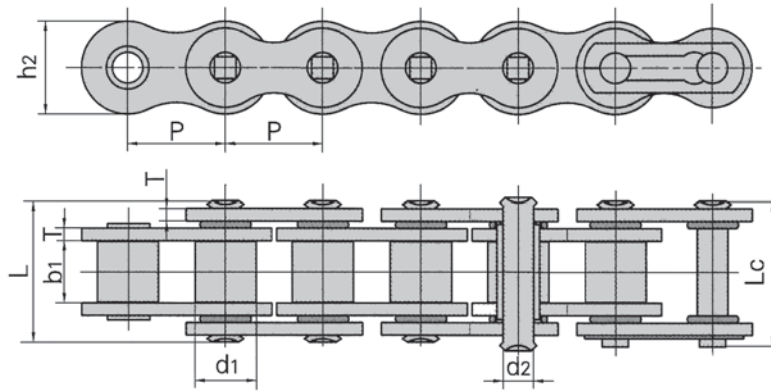
ROLLER CHAINS



Chain Nr. 	Pitch	Roller diameter		Width between plates	Pin diameter	Traverse	Pin length	Plate dimension		Ultimate tensile strength	Average tensile strength	Weight per meter	
	P	d3 max	d2 max	b1 min	d1 max	e	L max	h2 max	t/T max	F <sub>B</sub> min.	F <sub>BA</sub>	q <sub>P</sub>	q <sub>C</sub>
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m	kg/m
08BS-27-P16/C16	12,70	16,00	8,51	7,75	4,45	19,1	27,0	11,8	1,60/1,50	18,0/4091	19,8	0,9	1,1
12BS-40-P28/C28	19,05	28,00	12,07	11,68	5,72	27,0	40,0	16,0	1,85	29,0/6591	31,7	1,9	3,0
12BS-43-P26/C26	19,05	26,00	12,07	11,68	5,72	29,2	43,0	16,0	1,85	29,0/6591	31,7	2,0	3,2
12BS-43-P28/C28	19,05	28,00	12,07	11,68	5,72	29,2	43,0	16,0	1,85	29,0/6591	31,7	2,1	3,3
12BS-48-P24/C24	19,05	24,00	12,07	11,68	5,72	31,5	48,0	16,0	1,85	29,0/6591	31,7	2,3	3,4
12BS-48-P26/C26	19,05	26,00	12,07	11,68	5,72	31,5	48,0	16,0	1,85	29,0/6591	31,7	2,5	3,8
12BS-48-P28/C28	19,05	28,00	12,07	11,68	5,72	31,5	48,0	16,0	1,85	29,0/6591	31,7	2,8	4,2
16BS-65-P38/C38	25,40	15,88	38,00	17,02	8,28	45,0	65,0	21,0	4,15/3,10	60,0/13636	72,8	4,8	6,4

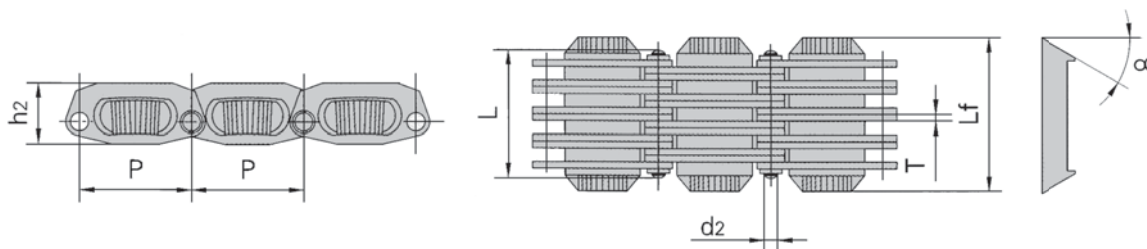
Note : P = plastic roller, C = steel roller.

## O-Ring chains



ANSI Ref.	Pitch	Roller diameter	Width between plates	Pin diameter	Pin length		Plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 max	d2 max	L max	Lc max	h2 max	t/T max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
40 OR	12,700	7,95	7,85	3,96	18,3	19,6	12,00	1,50	14,1/3205	17,50	0,67
50 OR	15,875	10,16	9,40	5,08	23,1	24,8	15,09	2,03	22,2/5045	29,40	1,19
60 OR	19,050	11,91	12,57	5,94	28,5	30,4	18,00	2,42	31,8/7227	41,50	1,62
60HT OR	19,050	11,91	12,57	5,94	31,7	33,2	18,00	3,25	55,0/12500	58,00	1,96
80 OR	25,400	15,88	15,75	7,92	35,6	37,3	24,00	3,25	56,7/12886	69,40	2,70
100 OR	31,750	19,05	18,95	9,53	43,3	47,0	30,00	4,00	88,5/20114	109,20	3,91
120 OR	38,100	22,23	25,22	11,11	54,0	57,5	35,70	4,80	127,0/28864	156,30	6,34

## P.I.V. chains



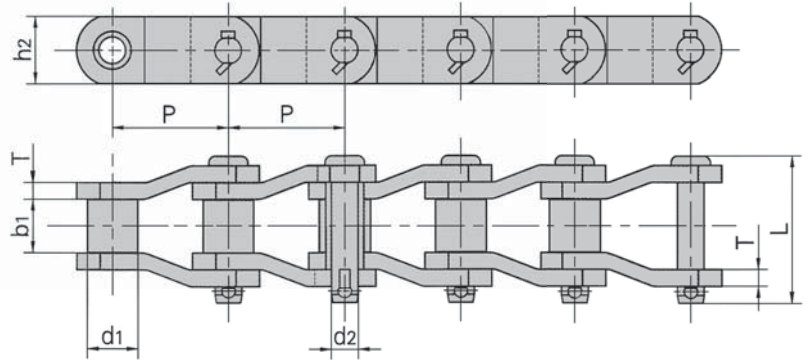
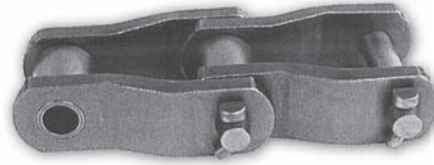
Chain No.	Pitch	Pin diameter	Pin length	Plate height	Plate thickness	Width over friction plate	Angle of friction plate	Ultimate tensile strength	Average tensile strength	Weight per meter
	P mm	d2 max mm	L max mm	h2 max mm	T max mm	Lf mm	α	F <sub>B</sub> min. kN/LB	F <sub>BA</sub> kN	q kg/m
AO	18.75	3.00	19.5	9.5	1.0	24.0	15°	9.0/2045	9.9	1.00
A1(A2)	25.0	3.00	30.1	13.5	1.5	37.8	15°	21.0/4772	23.3	2.23
A3	28.6	3.00	35.3	16.0	1.5	44.2	15°	38.5/8750	42.7	3.04
A4	36.0	4.00	48.5	20.5	1.5	58.5	15°	61.5/13977	68.2	5.54
A5	36.0	4.00	60.5	20.5	1.5	70.0	15°	71.0/16136	78.8	6.70





# Heavy duty cranked-link transmission chains

ROLLER CHAINS

Rotary




Chain No. 	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	h2 mm	T mm	F <sub>B</sub> min. kN/LB	F <sub>BA</sub> kN	q kg/m
<b>RO 20H</b> - 3160SC	50.80	28.58	31.75	15.06	79.4	41.5	8.0	230.0/52256	250.0	10.90
2010	63.50	31.75	38.10	15.90	89.0	47.8	7.9	250.0/56818	270.0	13.53
MXS882	66.27	22.23	28.58	11.10	68.5	58.5	6.4	115.6/26272	124.8	5.30
SS588	66.27	22.23	28.60	11.11	63.7	28.6	6.4	130.0/29545	144.0	5.46
<b>RO 3</b>	78.10	31.75	38.10	16.00	94.8	40.0	8.0	271.0/61590	292.6	10.72
<b>RO 3C</b>	78.10	31.75	38.10	16.50	95.3	45.0	9.5	280.4/63727	302.8	12.70
MXS3075	78.10	31.75	38.10	16.46	93.5	44.5	9.7	334.0/75909	360.7	13.45
SS40H(P)	78.11	31.75	38.10	15.88	97.0	41.5	9.5	250.0/56818	280.0	12.60
AX1568	77.90	41.40	39.60	19.05	100.0	57.0	9.7	340.0/77272	367.2	18.40
<b>RO 3B</b> - 2512	77.90	41.40	38.50	19.05	103.4	60.0	10.0	482.0/110000	420.0	20.28
<b>RO 3 1/2</b> - 2814	88.90	44.45	38.10	22.23	117.6	58.0	12.7	471.0/105955	507.6	25.70
<b>RO 4</b> - 3214	103.20	44.45	48.00	22.00	123.5	55.0	13.0	476.0/108180	514.0	23.60
3214F1	103.20	44.45	49.20	23.90	129.0	60.0	14.0	666.4/151450	700.0	26.70
MXS1242	103.20	44.45	49.20	22.23	124.5	57.0	12.8	623.0/141591	672.8	24.63
<b>RO 4B</b> -3315	103.45	45.24	49.30	23.85	130.0	63.5	14.2	550.0/125000	594.0	27.71
SS15F1	103.45	45.24	47.60	23.85	133.0	60.0	15.0	650/147726	616.0	27.34
<b>RO 4 1/2</b> - 3618	114.30	57.15	52.30	27.97	138.0	79.2	14.2	760.0/172727	820.8	41.20
<b>RO 5B</b> - 4020	127.00	63.50	69.90	31.78	165.7	88.9	15.7	987.0/224300	1069.2	48.60
<b>RO 6</b> - 4824	152.40	76.20	76.20	38.10	182.3	102.0	19.0	1645.0/373860	1755.0	67.10
2184	152.40	76.20	35.00	22.20	96.0	51.0	9.5	330.0/75000	378.0	18.17
<b>RO 6 1/2</b> - X1311	165.10	88.90	81.00	44.45	202.45	127.0	22.35	1650.5/375000	1765.0	116.20
<b>RO 7</b> - 5628	177.80	88.90	81.00	44.45	202.45	127.0	22.35	1694.5/385000	1810.0	98.40

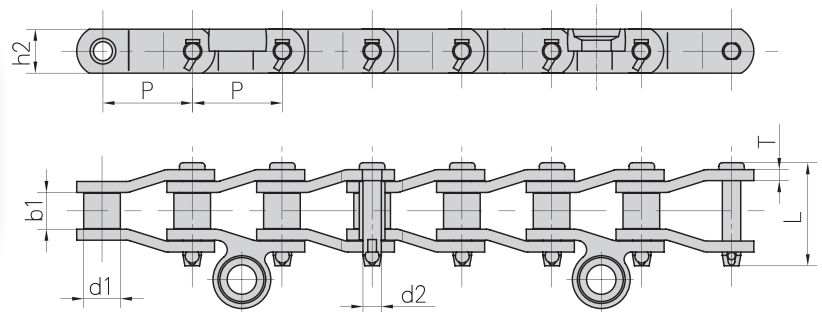
Chain No. 	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Plate height	Plate thickness	Ultimate tensile strength	Average tensile strength
	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	h2 mm	T mm	F <sub>B</sub> min. kN/LB	F <sub>BA</sub> kN
SS40SL	78.105	31.78	31.75	15.90	89.15	38.0	9.5	250.0/56818	266.88




# Heavy duty cranked-link transmission chains

## Rotary

Chain No. 	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	h2 mm	T mm	F <sub>B</sub> min. kN/LB	F <sub>BA</sub> kN	q kg/m
2010H	63.50	12.00	31.75	15.88	97.0	41.5	9.5	250/56815	275.0	11.91
SS2065	50.80	28.58	32.50	15.05	79.5	38.0	7.9	220/49998	242.0	12.14
4020SH	127.00	63.50	69.90	31.78	165.7	88.9	15.7	1332.8/302893	1246.0	48.60
2814F1	88.90	44.45	36.90	22.23	117.6	60.0	13.5	556/126358	611.0	24.20
2814F2	88.90	44.45	38.60	22.23	119.6	58.0	12.7	559/127040	614.9	25.40
SH1245	103.45	45.30	49.60	23.80	130.0	60.0	14.5	722/164084	794.0	31.00
P153	153.619	34.93	53.98	17.48	107.0	44.5	9.5	150/34090	165.0	10.90
P153F2	153.619	34.93	53.98	17.48	100.0	44.5	8.0	150/34090	165.0	9.80
2510F1	78.10	31.75	36.60	16.00	88.9	38.1	8.0	124.5/28295	137.0	9.93
SS635HF1	114.30	57.20	52.40	27.94	137.0	76.2	17.5	964/219085	1060.0	37.90
RO6042F1	152.40	76.20	76.30	44.00	184.0	120.0	19.0	1500/340900	1600.0	63.60
SS568HF1205	77.90	31.75	39.70	19.05	98.5	57.0	9.5	447/101588	491.0	16.90
RO1205	127.00	63.50	65.00	31.75	147.6	82.5	14.2	872/198177	955.0	42.93
2510F2	78.10	31.75	36.60	15.75	88.0	38.1	8.0	225/51135	248.0	11.70
MX603	76.20	*22.50	38.00	14.00	88.0	40.0	8.0	147/33408	161.0	9.20
4824	152.40	76.20	74.60	38.10	186.0	100.0	20.0	1600/363632	1700.0	69.80
R3112	50.80	28.70	31.00	14.20	73.9	41.4	6.4	168.9/38385	185.0	10.70
MXS3075F1	78.10	33.00	38.10	16.46	94.5	44.5	9.7	334/75907	365.8	14.00
MXS3075F2	78.100	31.75	38.10	17.81	90.0	45.0	8.0	333.2/75726	365.8	12.20



Chain No. 	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Plate height	Plate thickness	Ultimate tensile strength	Average tensile strength
	p	d1 max	b1 min	d2 max	L max	h2	T	F <sub>B</sub> min.	F <sub>BA</sub>
	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN
SS40SL	78.105	31.78	31.75	15.90	89.15	38.0	9.5	250.0/56818	266.88

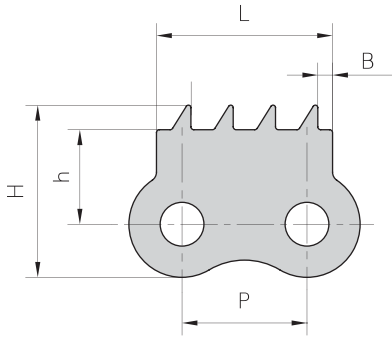
ROLLER CHAINS



# Sharp top chains - DIN 8187 / 8188

## ISO 606 - European / ANSI - American standard

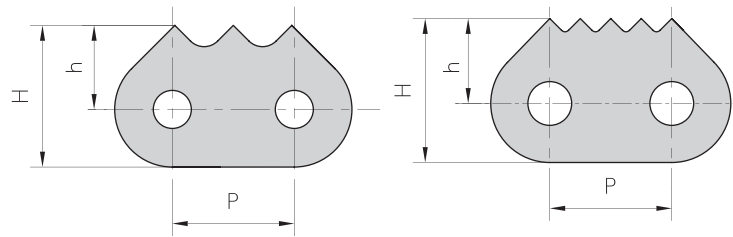
ROLLER CHAINS



Chain No.	P	h	H	B	L
	mm	mm	mm	mm	mm
08B-940	12,7	9,6	17,5	1,5	17,9

C16AF1

C16AF2

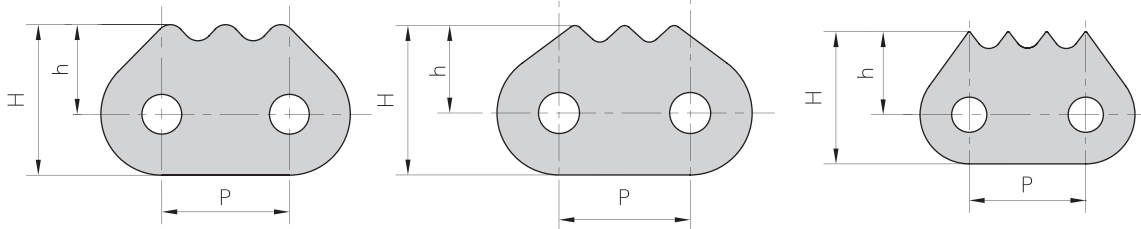


Chain No.	p	h	H
	mm	mm	mm
C16AF1	25,4	17,5	29,5
C16AF2	25,4	17,5	29,5

C60F2

60-910

12BF3



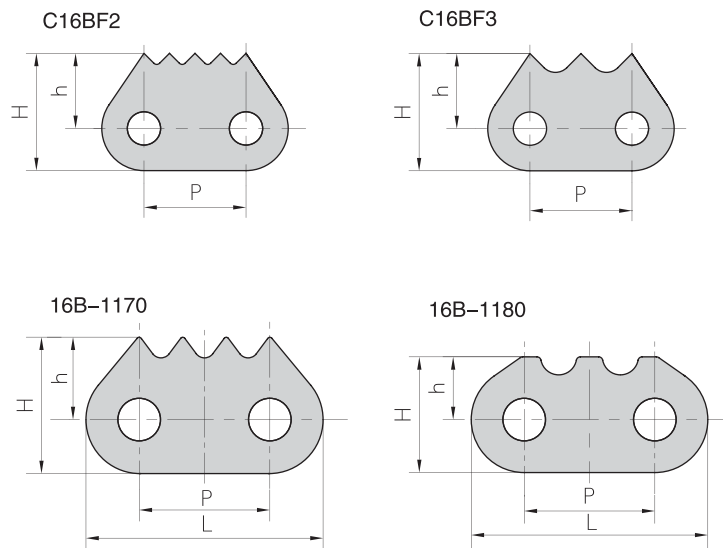
Chain No.	P	h	H
	mm	mm	mm
C60F2	19,05	13,38	22,48
60-910	19,05	12,70	21,70
12BF3	19,05	13,50	21,50



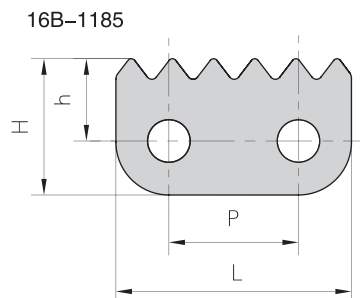
# Sharp top chains - DIN 8187 / 8188

## ISO 606 - European / ANSI - American standard

ROLLER CHAINS



Chain No.	P	L	h	H
	mm	mm	mm	mm
C16BF2	25,4		18,7	29,2
C16BF3	25,4		18,7	29,2
16B-1170	25,4	46,1	16,0	26,5
16B-1180	25,4	46,0	12,2	22,5

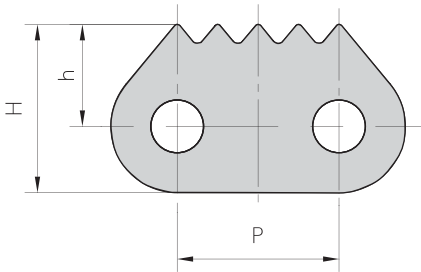



Chain No.	P	L	h	H
	mm	mm	mm	mm
16B-1185	25,4	46,0	16,0	26,5

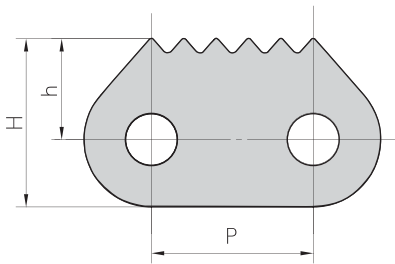



## Sharp top chains - DIN 8187 / 8188 ISO 606 - European / ANSI - American standard

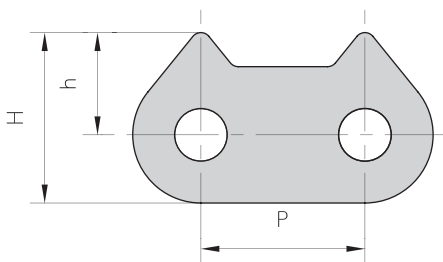
ROLLER CHAINS




 Chain No.	$P$	$h$	$H$
	mm	mm	mm
16BF24	25,4	16,0	26,4



 Chain No.	$P$	$h$	$H$
	mm	mm	mm
20BF8	31,75	19,8	33

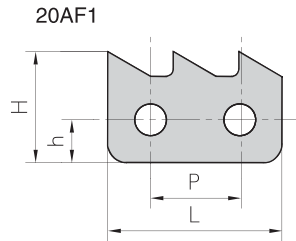


 Chain No.	$P$	$h$	$H$
	mm	mm	mm
20B-1350	31,75	19,8	33



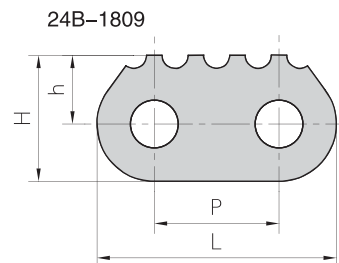
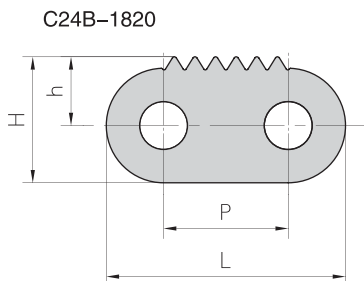
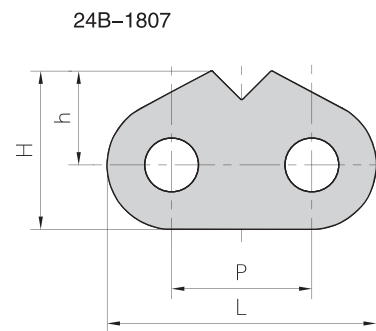
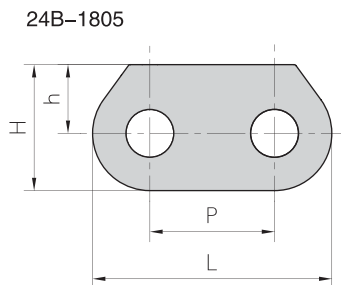
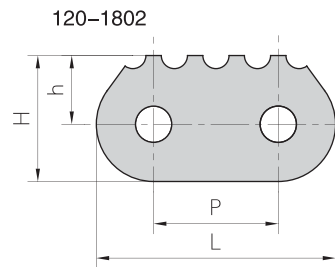
# Sharp top chains - DIN 8187 / 8188 ISO 606 - European / ANSI - American standard

ROLLER CHAINS



Chain No.	P	L	h	H
	mm	mm	mm	mm
20AF1	31,75	57,2	14,75	35,84

Chain No.	P	L	h	H
	mm	mm	mm	mm
120-1802	38,1	73,1	21,0	38,5



Chain No.	P	L	h	H
	mm	mm	mm	mm
24B-1805	38,1	73,1	21,0	38,5
24B-1807	38,1	73,1	25,5	43,0
24B-1809	38,1	73,1	21,0	38,5
C24B-1820	38,1	73,1	21,0	38,5

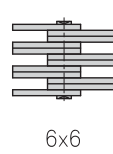
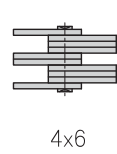
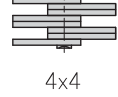
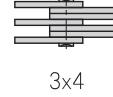
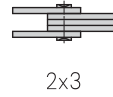
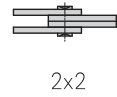
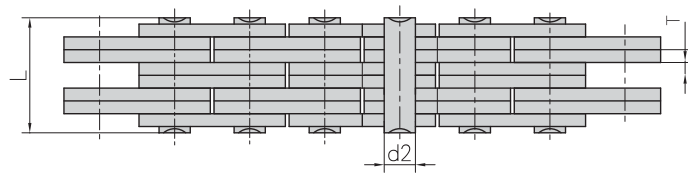
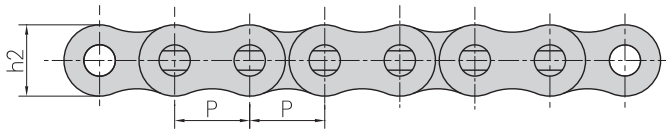




# Leaf chains heavy series - DIN 8152

## ANSI - American standard

ROLLER CHAINS

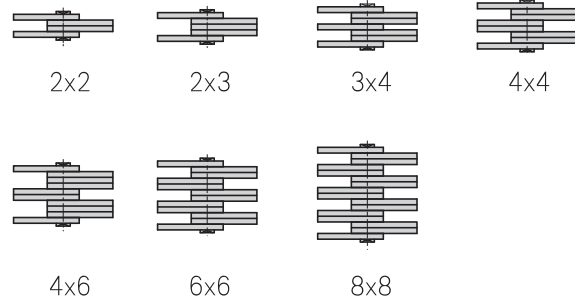
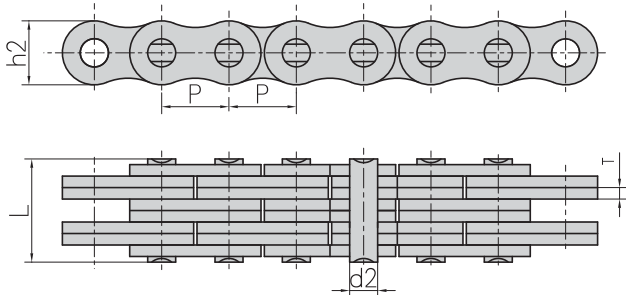


DIN Ref.	ANSI Ref.	Pitch	Plate Lacing	Plate height	Plate thickness	Pin diameter	Pin length	Ultimate tensile strength	Average tensile strength	Weight per meter	
BTC		P		h2 max	T max	d2 max	L max	F <sub>B</sub> min.	F <sub>BA</sub>	q	
		mm		mm	mm	mm	mm	mm	kN/LB	kN	kg/m
		LH0822		BL422	12,7	2 x 2	12,07	2,08	5,09	11,05	22,2/5045
LH0823	BL423	2 x 3	13,16	22,2/5045		27,6				0,80	
LH0834	BL434	3 x 4	17,40	33,4/7591		41,4				1,12	
LH0844	BL444	4 x 4	19,51	44,5/10114		56,0				1,28	
LH0846	BL446	4 x 6	23,75	44,5/10114		56,0				1,60	
LH0866	BL466	6 x 6	27,99	66,7/15159		81,7				1,92	
LH0888	BL488	8 x 8	36,45	89,0/20227		109,4				2,56	
LH1022	BL522	15,875	2 x 2	15,09		2,44				5,96	12,90
LH1023	BL523		2 x 3		15,37		33,4/7591	43,1	1,10		
LH1034	BL534		3 x 4		20,32		48,9/11114	65,6	1,50		
LH1044	BL544		4 x 4		22,78		66,7/15159	84,5	1,80		
LH1046	BL546		4 x 6		27,74		66,7/15159	84,5	2,20		
LH1066	BL566		6 x 6		32,69		100,1/22750	125,1	2,65		
LH1088	BL588		8 x 8		42,57		133,4/30318	169,5	3,50		
LH1222	BL622		19,05		2 x 2		18,11	3,30	7,94		17,37
LH1223	BL623	2 x 3		20,73	48,9/11114	63,6				1,80	
LH1234	BL634	3 x 4		27,43	75,6/17181	102,8				2,50	
LH1244	BL644	4 x 4		30,78	97,9/22250	120,9				2,90	
LH1246	BL646	4 x 6		37,49	97,9/22250	120,9				3,60	
LH1266	BL666	6 x 6		44,20	146,8/33364	190,8				4,30	
LH1288	BL688	8 x 8		57,61	195,7/44477	238,8				5,80	
LH1622	BL822	25,4		2 x 2	24,13	4,09				9,54	21,34
LH1623	BL823		2 x 3	25,48			84,5/19204	108,2	2,70		
LH1634	BL834		3 x 4	33,76			129,0/29318	170,0	3,80		
LH1644	BL844		4 x 4	37,90			169,0/38409	214,6	4,30		
LH1646	BL846		4 x 6	46,18			169,0/38409	214,6	5,40		
LH1666	BL866		6 x 6	54,46			253,6/57636	324,5	6,50		
LH1688	BL888		8 x 8	71,02			338,1/76841	432,7	8,60		



# Leaf chains heavy series - DIN 8152

## ANSI - American standard



ROLLER CHAINS

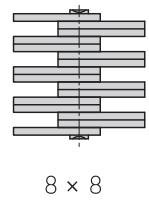
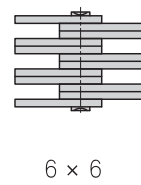
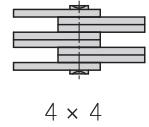
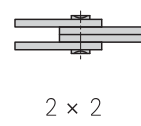
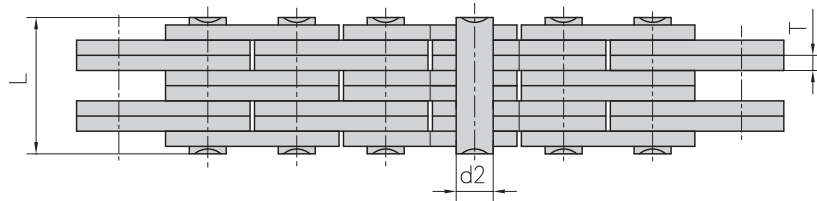
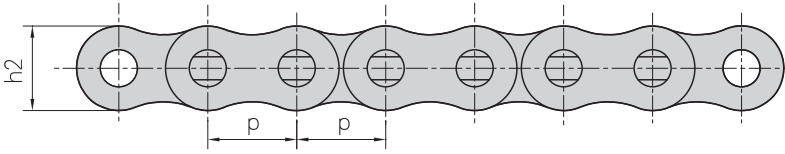
DIN Ref.	ANSI Ref.	Pitch	Plate Lacing	Plate height	Plate thickness	Pin diameter	Pin length	Ultimate tensile strength	Average tensile strength	Weight per meter
		P		h2 max	T max	d2 max	L max	F <sub>B</sub> min.	F <sub>BA</sub>	q
		mm		mm	mm	mm	mm	kN/LB	kN	kg/m
LH2022	BL1022	31,75	2 x 2	30,18	4,9	11,11	25,37	115,6/26272	150,8	3,40
LH2023	BL1023		2 x 3				30,33	115,6/26272	150,8	4,30
LH2034	BL1034		3 x 4				40,23	182,4/41454	231,6	6,00
LH2044	BL1044		4 x 4				45,19	231,3/52568	291,4	6,90
LH2046	BL1046		4 x 6				55,09	231,3/52568	291,4	8,60
LH2066	BL1066		6 x 6				65,00	347,0/78863	430,3	10,30
LH2088	BL1088		8 x 8				84,81	462,6/105136	555,1	13,80
LH2422	BL1222	38,1	2 x 2	36,20	5,77	12,71	29,62	151,2/34363	192,0	4,6
LH2423	BL1223		2 x 3				35,43	151,2/34363	192,0	5,8
LH2434	BL1234		3 x 4				47,07	244,6/55591	315,9	8,1
LH2444	BL1244		4 x 4				52,88	302,5/68750	381,1	9,3
LH2446	BL1246		4 x 6				64,52	302,5/68750	381,1	11,6
LH2466	BL1266		6 x 6				76,15	453,7/103113	543,6	13,9
LH2488	BL1288		8 x 8				99,42	605,0/137500	726,0	18,6
LH2822	BL1422	44,45	2 x 2	42,24	6,55	14,29	33,55	191,3/43477	225,7	6,1
LH2823	BL1423		2 x 3				40,16	191,3/43477	225,7	7,6
LH2834	BL1434		3 x 4				53,37	315,8/71772	372,6	10,6
LH2844	BL1444		4 x 4				59,97	382,6/86954	451,2	12,2
LH2846	BL1446		4 x 6				73,18	382,6/86954	451,2	15,2
LH2866	BL1466		6 x 6				86,39	578,3/131431	682,4	18,2
LH2888	BL1488		8 x 8				112,80	765,1/173886	902,8	24,3
LH3222	BL1622	50,8	2 x 2	48,26	7,52	17,46	39,01	289,1/65704	341,1	8,0
LH3223	BL1623		2 x 3				46,58	289,1/65704	341,1	10,0
LH3234	BL1634		3 x 4				61,72	440,4/100091	519,6	14,0
LH3244	BL1644		4 x 4				69,29	573,8/131431	680,4	16,0
LH3246	BL1646		4 x 6				84,43	578,3/131431	680,4	20,0
LH3266	BL1666		6 x 6				99,57	857,4/194863	1000,7	24,0
LH3288	BL1688		8 x 8				129,84	1156,5/262841	1364,6	32,0
LH4022	BL2022	63,5	2 x 2	60,33	9,91	23,81	51,74	433,7/98568	511,7	15,8
LH4023	BL2023		2 x 3				61,70	433,7/98568	511,7	19,8
LH4034	BL2034		3 x 4				81,61	649,4/147590	766,2	27,7
LH4044	BL2044		4 x 4				91,57	867,4/197163	1023,5	31,6
LH4046	BL2046		4 x 6				111,48	867,4/197163	1023,5	39,5
LH4066	BL2066		6 x 6				131,39	1301,1/295704	1535,2	47,4
LH4088	BL2088		8 x 8				171,22	1734,8/394272	2046,5	63,2



## Leaf chains light series - DIN 8152

### European standard

ROLLER CHAINS



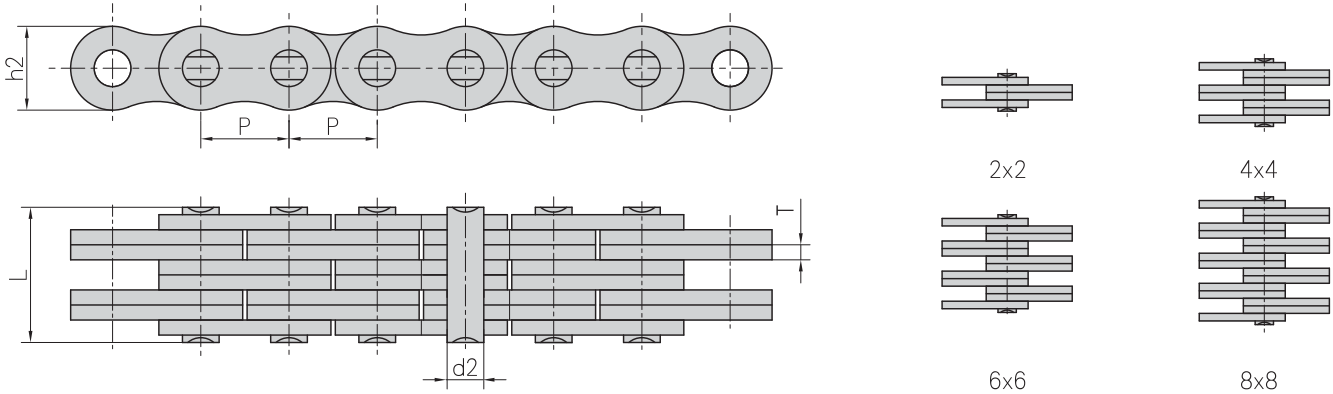
DIN Ref.	Pitch	Plate Lacing	Plate height	Plate thickness	Pin diameter	Pin length	Ultimate tensile strength	Average tensile strength	Weight per meter
BTC	P		h2 max	T max	d2 max	L max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm		mm	mm	mm	mm	kN/LB	kN	kg/m
	LL0822	12,7	2 x 2	10,6	1,6	4,45	8,9	18,2/4094	20,4
LL0844	4 x 4		15,6				36,4/8188	40,7	0,84
LL0866	6 x 6		22,0				54,6/12283	60,0	1,24
LL0888	8 x 8		28,5				72,8/16378	80,0	1,64
LL1022	15,875	2 x 2	13,7	1,6	5,08	9,2	22,7/5107	25,5	0,54
LL1044		4 x 4				15,8	45,4/10213	51,0	1,06
LL1066		6 x 6				22,1	68,1/15321	76,3	1,57
LL1088		8 x 8				28,8	90,8/20427	101,9	2,10
LL1222	19,05	2 x 2	16,0	1,85	5,72	10,4	29,5/6637	33,2	0,73
LL1244		4 x 4				17,9	59,0/13273	66,4	1,44
LL1266		6 x 6				25,4	88,5/19910	99,7	2,15
LL1288		8 x 8				32,9	118,0/26547	132,9	2,84






# Leaf chains light series - DIN 8152

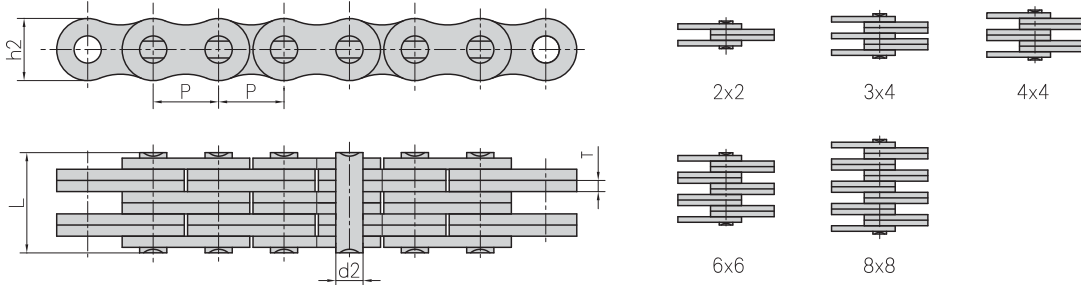
## European standard




DIN Ref. 	Pitch	Plate Lacing	Plate height	Plate thickness	Pin diameter	Pin length	Ultimate tensile strength	Average tensile strength	Weight per meter
	P		h2 max	T max	d2 max	L max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm		mm	mm	mm	mm	kN/LB	kN	kg/m
LL1644	25,4	4 x 4	21,0	3,1	8,28	29,6	116,0/26363	140,0	2,90
LL1666		6 x 6				42,4	174,0/39545	208,8	4,30
LL1688		8 x 8				54,9	232,0/52726	278,0	5,71
LL2022	31,75	2 x 2	26,4	3,5	10,19	20,1	95,0/21591	109,2	2,33
LL2044		4 x 4				33,8	190,0/43182	218,5	4,40
LL2066		6 x 6				50,1	285,0/64773	324,6	6,79
LL2088		8 x 8				64,0	380,0/86363	435,1	8,90
LL2422	38,1	2 x 2	33,4	5,0	14,63	28,4	170,0/38363	195,5	4,47
LL2444		4 x 4				46,3	340,0/77273	380,8	8,22
LL2466		6 x 6				66,4	510,0/115909	571,2	12,22
LL2488		8 x 8				86,6	680,0/154545	775,2	16,30
LL2822	44,45	2 x 2	37,08	6,0	15,90	32,2	200,0/45455	224,0	5,10
LL2844		4 x 4				56,4	400,0/90909	448,0	9,90
LL2866		6 x 6				80,8	600,0/136363	672,0	14,60
LL2888		8 x 8				105,2	800,0/181818	896,0	19,40
LL3222	50,80	2 x 2	42,0	6,4	17,81	34,8	260,0/59091	291,2	6,20
LL3244		4 x 4				60,6	520,0/118182	582,4	12,30
LL3266		6 x 6				86,4	780,0/177272	873,6	18,30
LL3288		8 x 8				112,2	1040,0/233970	1176,0	24,00
LL4022	63,50	2 x 2	52,76	8,0	22,89	42,2	360,0/81818	403,2	10,30
LL4044		4 x 4				74,4	780,0/177273	873,6	20,00
LL4066		6 x 6				106,5	1080,0/245454	1209,6	30,00
LL4088		8 x 8				140,0	1440,0/323959	1747,2	39,10
LL4822	76,20	2 x 2	63,88	10,0	29,24	54,6	560,0/127272	627,2	18,50
LL4844		4 x 4				92,6	1120,0/254545	1554,4	35,70
LL4866		6 x 6				133,4	1680,0/377953	1880,0	53,00
LL4888		8 x 8				174,2	2240,0/509091	2508,8	70,40

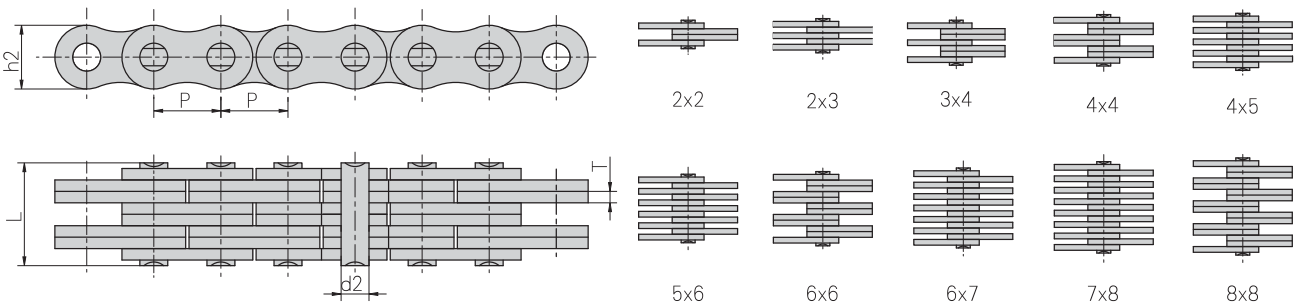


# Leaf chains AL series



ANSI Ref.	Pitch	Plate Lacing	Plate height	Plate thickness	Pin diameter	Pin length	Ultimate tensile strength	Average tensile strength	Weight per meter
	P		h <sub>2 max</sub>	T <sub>max</sub>	d <sub>2 max</sub>	L <sub>max</sub>	F <sub>B min.</sub>	F <sub>BA</sub>	q
	mm		mm	mm	mm	mm	kN/LB	kN	kg/m
AL322	9,525	2 X 2	7,7	1,3	3,58	6,8	9,0/2045	10,2	0,23
AL344		4 X 4				11,6	18,0/4090	20,0	0,46
AL422	12,7	2 X 2	10,4	1,5	3,96	8,3	14,1/3205	16,9	0,39
AL444		4 X 4				14,4	28,2/6409	35,2	0,74
AL466		6 X 6				20,5	42,3/9614	52,7	1,13
AL522	15,875	2 X 2	12,8	2,03	5,08	11,1	22,0/5000	27,5	0,64
AL534		3 X 4				17,0	33,0/7500	46,0	1,10
AL544		4 X 4				19,4	44,0/10000	55,0	1,25
AL566		6 X 6				27,5	66,0/15000	82,5	1,79
AL622	19,05	2 X 2	15,6	2,42	5,94	13,0	37,0/8409	44,4	0,86
AL644		4 X 4				22,7	63,7/14450	78,8	1,76
AL666		6 X 6				32,2	100,1/22750	118,6	2,60
AL688		8 X 8				42,2	133,4/30317	156,6	3,49
AL822	25,4	2 X 2	20,5	3,25	7,92	16,0	56,7/12886	68,6	1,54
AL844		4 X 4				29,4	113,4/25773	135,6	3,00
AL866		6 X 6				44,2	170,0/38636	202,3	4,46
AL1022	31,75	2 X 2	25,6	4,0	9,53	19,6	88,5/20114	107,1	2,37
AL1044		4 X 4				36,4	177,0/40227	203,6	4,68
AL1066		6 X 6				52,3	265,0/60227	315,3	7,20
AL1088		8 X 8				68,5	354,0/80454	421,2	9,94
AL1222	38,1	2 X 2	30,5	4,8	11,10	24,3	127,0/28864	151,1	3,65
AL1244		4 X 4				43,8	254,0/57727	299,7	7,05
AL1266		6 X 6				63,2	381,0/86591	426,3	10,50
AL1288		8 X 8				82,6	508,0/11545	568,4	14,03
AL1444	44,45	4 X 4	36,4	5,6	12,64	51,3	372,7/84705	413,6	10,34
AL1466		6 X 6				74,6	559,0/127045	620,4	15,16
AL1644	50,8	4 X 4	41,6	6,4	14,21	58,0	471,0/107045	522,8	12,98
AL1666		6 X 6				83,8	706,0/160454	783,6	19,76
AL1688		8 X 8				109,5	942,0/214090	1045,5	25,47

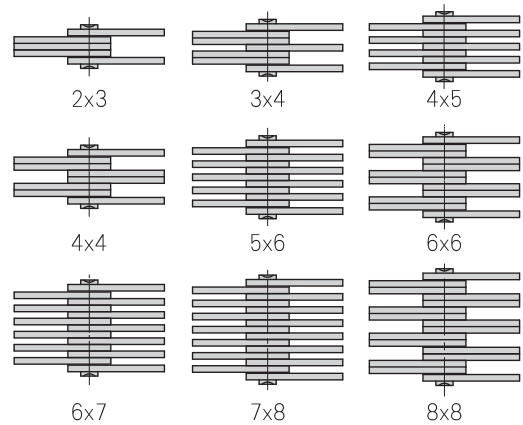
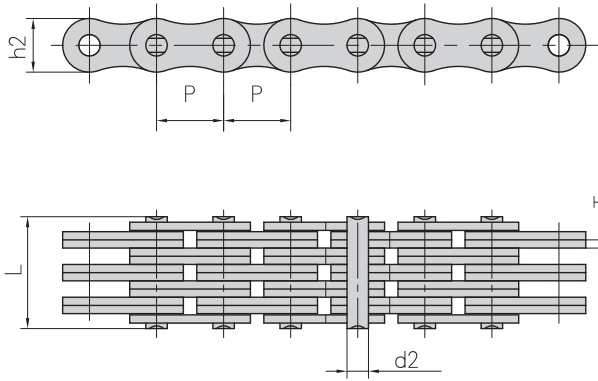
# Leaf chains FL and FLC series



Chain No.	Pitch	Plate Lacing	Plate height	Plate thickness	Pin diameter	Pin length	Ultimate tensile strength	Average tensile strength	Weight per meter
	P		h2 max	T max	d2 max	L max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm		mm	mm	mm	mm	kN/LB	kN	kg/m
FL644	5,940	4X4	4,7	0,60	1,85	6,6	6,5/1477	7,8	0,13
FL666	5,940	6 X 6	4,7	0,60	1,85	9,3	9,75/2216	11,8	0,20
FL688	5,940	8 X 8	4,7	0,60	1,85	12,0	13,0/2955	15,6	0,25
FL844	8,000	4 X 4	6,9	0,73	2,31	7,9	10,0/2273	12,1	0,25
FL944	9,525	4 X 4	8,7	1,04	3,28	10,4	21,0/4773	24,7	0,43
FL966	9,525	6 X 6	8,7	1,00	3,28	14,9	31,0/7045	36,8	0,65
F122	12,700	2 X 2	8,2	1,00	3,58	7,0	11,43/2598	13,6	0,19
F1223	12,700	2 X 3	10,2	2,03	4,45	12,8	20,0/4545	23,8	0,61
FL1244	12,700	4 X 4	10,2	1,70	4,45	16,7	44,0/10000	52,3	0,83
F19V-44	19,050	4 X 4	15,2	2,42	6,50	22,4	71,0/16136	84,3	1,73
F19V-66	19,050	6 X 6	15,2	2,42	6,50	32,3	106,0/24090	125,9	2,57
FLC534	15,875	3 X 4	12,70	1,85	5,08	15,3	40,4/9181	44,4	0,99
FLC545	15,875	4 X 5	12,70	1,85	5,08	19,2	54,3/12340	59,7	1,27
FLC556	15,875	5 X 6	12,70	1,85	5,08	22,7	67,6/15363	74,3	1,54
FLC1056	31,750	5 X 6	25,4	3,25	9,53	40,6	137,9/31340	151,0	5,44
FLC1067	31,750	6 X 7	25,4	3,25	9,53	47,2	165,4/37590	181,9	6,42
FLC1078	31,750	7 X 8	25,4	3,25	9,53	53,8	193,0/43863	212,0	7,40



## Special leaf chains

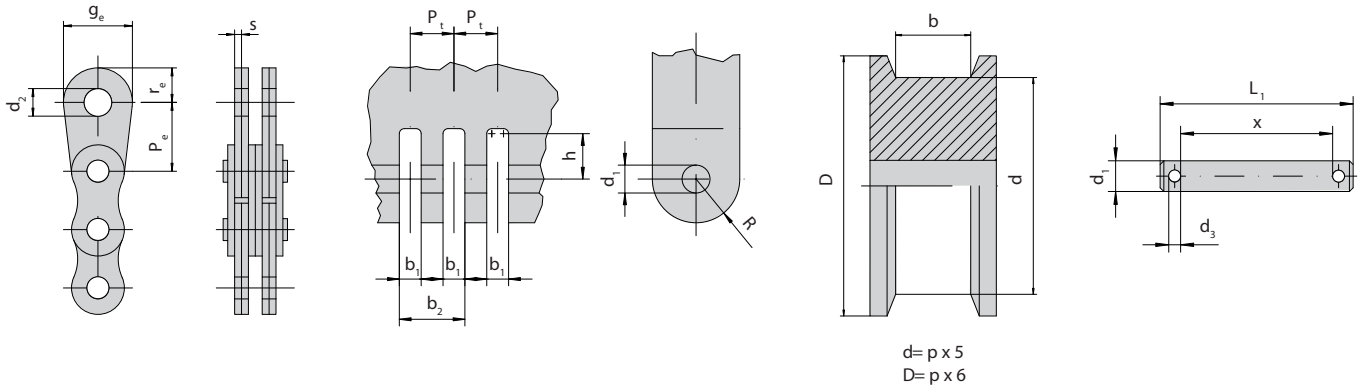


Chain No.	Pitch	Plate Lacing	Plate height	Plate thickness	Pin diameter	Pin length	Ultimate tensile strength	Weight per meter
	P		h2 max	T max	d2 max	L max	F <sub>B</sub> min.	q
	mm		mm	mm	mm	mm	kN/LB	kg/m
1234	12,7	3 X 4	10,6	1,7	4,45	14,2	31,0/6974	0,75
1256		5 X 6				21,1	53,0/12045	1,17
1288		8 X 8				29,9	85,0/19318	1,7
1523	15,875	2 X 3	12,7	1,94	5,08	12,1	29,0/6590	0,75
1534		3 X 4				16,0	46,0/10454	1,04
1544		4 X 4				18,1	58,0/13181	1,18
1545		4 X 5				20,3	58,0/13181	1,33
1556		5 X 6				24,0	72,0/16363	1,63
1566		6 X 6				26,2	87,0/19772	1,77
1567		6 X 7				28,0	90,0/20454	1,91
1578		7 X 8				32,5	101,0/22954	2,2
1588		8 X 8				34,0	115,0/26136	2,34
1944	19,05	4 X 4	15,0	2,29	5,72	21,3	73,0/16590	1,58
1966		6 X 6				30,7	110,0/25000	2,37
1988		8 X 8				40,0	140,0/31817	3,13
2523	25,4	2 X 3	20,2	3,06	8,28	18,8	72,0/16363	1,83
2534		3 X 4				25,3	108,0/24545	2,55
2545		4 X 5				31,6	144,0/30727	3,26
2556		5 X 6				37,2	180,0/40908	3,96
2567		6 X 7				43,8	216,0/49090	4,68
2578		7 X 8				50,0	252,0/57272	5,39
2588		8 X 8				52,8	290,0/65908	5,77



# Pear drop end link, Clevis block dimensions and Clevis pins

Idler wheel:  $b_{min}$  = overall width of chain (B x 1,05)




Chain No.	Pear drop end link					Clevis Block Dimensions						Clevis Pin			
	$p_e$	$d_2$	$g_e$	$s_{max.}$	$r_e$	$b_1$	$b_2$	$P_t$	$d_1$	$h_{min.}$	$R_{max.}$	$d_1$	$d_3$	$L_1_{max.}$	$x_{min.}$
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
LL 0822														13,15	6,90
844	15,00	6,00	16,00	1,60	10,00	3,50	10,16	6,76	4,46	6,50	6,50	4,45	1,60	20,15	13,70
866														27,15	20,50
LL 1022														13,50	7,00
1044	20,00	8,00	18,00	1,60	11,00	3,50	10,16	6,76	5,09	8,00	8,00	5,08	1,60	20,15	14,00
1066														27,15	21,00
1088														34,15	28,00
LL 1222														13,95	7,70
1244	30,00	10,00	20,00	1,90	12,00	3,90	11,66	7,76	5,73	9,00	10,00	5,72	1,60	21,75	15,30
1266														29,55	22,90
LL 1622														24,05	13,80
1644	30,00	12,00	25,00	3,00	15,00	6,50	19,50	13,00	8,30	13,00	13,00	8,28	3,20	37,05	27,40
1666														50,05	41,00
1688														63,05	54,60
LL 2022														26,05	15,25
2044	50,00	18,00	40,00	3,50	25,00	7,50	22,50	15,00	10,21	15,00	16,50	10,19	3,20	41,05	30,30
2066														56,05	45,25
2088														71,05	60,25
LL 2422														34,05	21,75
2444	65,00	24,00	50,00	5,00	29,00	10,50	31,50	21,00	14,65	18,00	20,00	14,63	4,00	56,35	43,20
2466														77,75	64,50
2488														99,15	86,00
LL 2822														39,45	26,25
2844	80,00	28,00	60,00	6,00	32,00	13,00	39,00	26,00	15,93	22,00	24,00	15,92	4,00	65,25	52,05
2866														91,05	77,85
2888														116,45	103,65
LL 3222														46,65	27,70
3244	90,00	32,00	70,00	6,30	43,00	13,00	39,00	26,00	17,83	26,00	27,00	17,81	5,00	70,65	54,90
3266														97,65	82,10
3288														124,65	109,30
LL 4022														54,60	34,50
4044	100,00	38,00	80,00	8,00	46,50	16,60	49,80	33,20	22,91	32,00	35,00	22,89	6,30	88,50	68,50
4066														122,60	102,50
4088														156,60	136,50



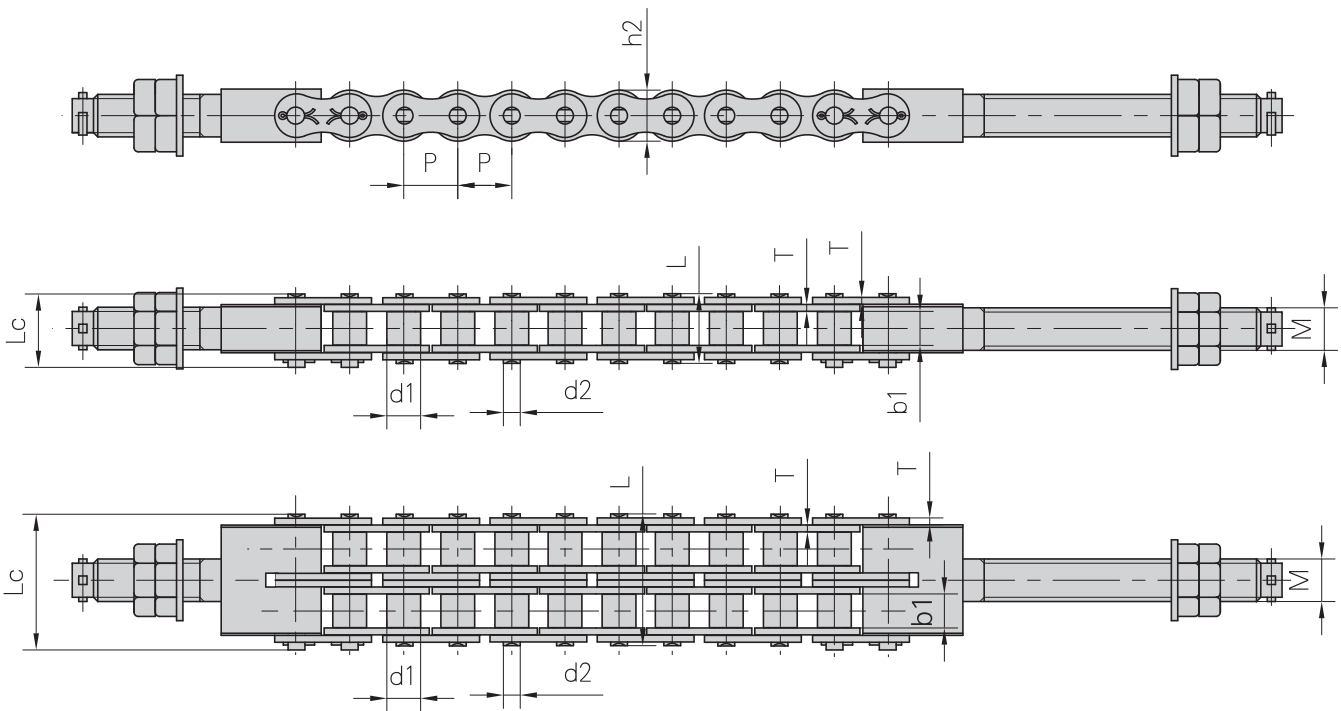
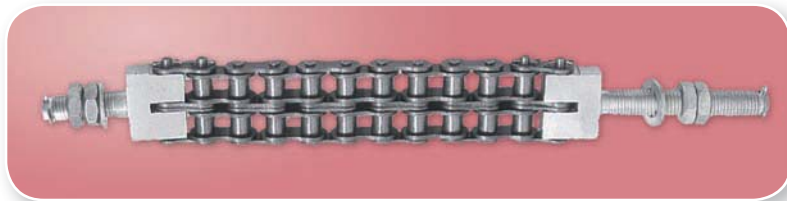


## Pear drop end link, Clevis block dimensions and Clevis pins

Chain No. 	Pear drop end link					Clevis Block Dimensions						Clevis Pin			
	<i>pe</i>	<i>d2</i>	<i>ge</i>	<i>s<sub>max.</sub></i>	<i>re</i>	<i>b1</i>	<i>b2</i>	<i>Pt</i>	<i>d1</i>	<i>h<sub>min.</sub></i>	<i>R<sub>max.</sub></i>	<i>d1</i>	<i>d3</i>	<i>L1<sub>max.</sub></i>	<i>χ<sub>min.</sub></i>
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
BL 422						4,20								14,82	8,82
423						6,52								17,00	11,00
434						4,20	10,40	6,35	5,12	6,50	6,35	5,08	1,60	21,36	15,36
444						4,20	12,40	8,48						23,54	17,54
446						6,60	17,20	10,62						29,90	21,90
466						4,20	12,40	8,48						32,26	26,26
BL 522						5,05								17,71	10,51
523						7,65								20,30	13,10
534						5,05	12,50	7,44	5,98	7,50	7,92	5,97	2,00	25,50	18,28
544						5,05	15,18	9,91						28,00	20,87
546						7,65	20,04	12,40						33,25	26,05
566						5,05	15,18	9,01						38,50	31,23
BL 622						6,85								25,00	14,20
623						10,31								28,50	17,70
634						6,85	16,89	10,06	7,96	9,00	9,53	7,93	3,20	35,50	24,70
646						10,31	27,08	16,76						46,00	35,20
BL 822						8,43								28,66	17,61
823						12,73								33,05	21,95
834						8,43	20,85	12,42	9,56	13,00	12,70	9,52	3,20	41,83	30,63
846						12,73	33,43	20,70						55,00	43,65
BL 1023						15,21								37,00	26,10
1034						10,08	24,94	14,86	11,14	16,00	15,88	11,09	3,20	47,20	35,50
1046						15,21	39,98	24,77						63,00	50,20
BL 1223						17,86								42,00	29,85
1234						11,84	29,29	17,45	12,74	19,00	19,05	12,70	4,00	54,80	41,80
1246						17,86	46,94	29,08						72,80	59,70
BL 1423						20,27								46,90	33,90
1434						13,44	33,25	19,81	14,31	22,00	22,23	14,27	4,00	60,30	46,90
1446						20,27	53,29	33,02						80,40	67,00
BL 1623						23,22								51,35	37,65
1634						15,39	38,10	22,71	17,49	26,00	25,40	17,44	5,00	66,50	52,71
1646						23,22	61,06	37,85						89,00	75,30
AL 422														12,75	6,50
444						3,20	9,56	6,36	3,98	5,50	5,50	3,96	1,60	19,35	12,90
466														25,95	19,30
AL 522														14,63	8,38
544														23,11	16,66
566						4,14	12,29	8,15	5,09	6,50	6,50	5,07	1,60	31,59	24,94
588														40,07	33,22
AL 644														27,32	21,32
666	25,00	10,00	20,00	2,40	11,20	5,08	15,14	10,06	5,93	8,00	8,00	5,91	2,00	37,68	31,88
AI 844														37,40	26,60
866						6,40	19,10	12,70	7,96	11,00	11,00	7,92	3,20	50,60	39,80
AL 1044														45,58	34,78
4066	40,00	14,00	30,00	4,00	18,00	8,22	24,56	16,34	9,55	13,50	13,00	9,51	3,20	62,82	52,02
AL 1244														54,99	41,34
1266						9,86	29,48	19,32	11,13	16,00	16,00	11,09	4,00	75,71	61,86
AL 1444														61,23	48,03
1466						11,42	34,18	22,74	12,71	18,00	18,00	12,67	4,00	85,07	71,87
AL 1644														71,69	55,49
1666						13,06	39,08	26,02	14,26	21,00	21,00	14,22	4,00	98,60	83,01

# Tightener bolts and blocks with roller chains

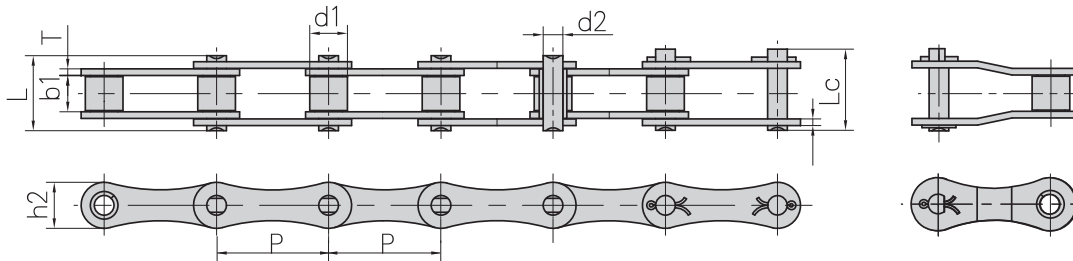
Simplex & duplex



Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner Plate height	Plate thickness	Bolt type	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 mx	T max	M nom	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
16ALT-1	25,40	15,88	15,75	7,92	32,7	36,5	24,0	3,25	M20	71,55/16261	81,8	2,60
16ALT-2	25,40	15,88	15,75	7,92	62,7	65,8	24,0	3,25	M20	143,10/32523	166,3	5,15
20ALT-1	31,75	19,05	18,90	9,53	40,4	44,7	30,0	4,00	M24	107,85/24511	118,6	3,91
20ALT-2	31,75	19,05	18,90	9,53	76,4	80,5	30,0	4,00	M24	215,70/49023	234,4	7,80
20ALT-3	31,75	19,05	18,90	9,53	112,2	116,3	30,0	4,00	M24	323,55/73534	351,6	11,77
24ALT-1	38,10	22,23	25,22	11,10	50,3	54,3	35,7	4,80	M30	149,20/330909	161,1	5,62
24ALT-2	38,10	22,23	25,22	11,10	95,8	99,7	35,7	4,80	M30	298,40/67818	322,2	11,70



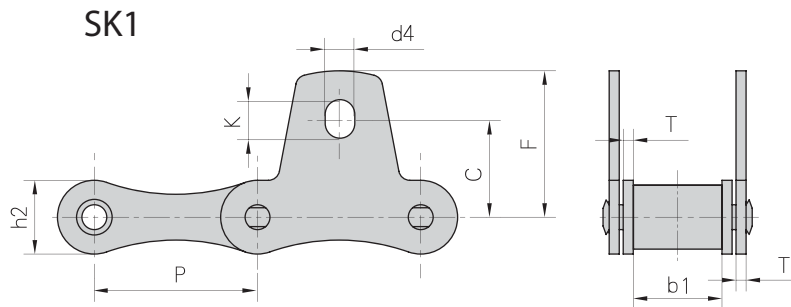
# Agriculture chains type S - DIN 8189



Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner Plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc Max	h2 max	T max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
S32	29,21	11,43	15,88	4,45	26,7	28,8	13,2	1,8	8,0/1818	21,6	0,86
S32V	29,21	11,43	15,88	5,08	27,3	29,7	13,5	2,1	25,0/5680	27,0	0,96
S42	34,93	14,27	19,05	7,00	34,3	37,0	19,8	2,8	27,0/6136	50,8	1,60
S45	41,40	15,24	22,23	5,72	37,7	40,4	17,3	2,8	18,0/4091	36,1	1,66
S51	38,10	15,24	16,00	5,72	30,9	33,8	17,3	2,8	28,0/6364	30,8	1,48
S52L	38,10	15,24	16,40	5,72	30,9	33,8	16,5	2,5	29,2/6636	32,2	1,36
S52	38,10	15,24	22,23	5,72	37,7	40,4	17,3	2,8	18,0/4091	36,1	1,68
S5V	41,40	17,90	22,23	8,22	39,3	42,4	20,0	3,0	42,0/9546	45,0	2,22
S55	41,40	17,78	22,23	5,72	37,7	40,4	17,3	2,8	18,0/4091	36,1	1,80
S55R	41,40	17,78	22,23	8,90	41,0	44,0	22,4	3,5	45,0/10227	73,1	2,49
S55RH	41,40	17,78	22,23	8,90	43,2	46,4	22,4	4,0	65,0/14772	84,5	2,74
S62	41,91	19,05	26,20	5,72	40,3	43,0	17,3	2,5	26,7/6067	36,1	1,87
S62F5	41,91	19,05	26,20	5,72	40,3	43,0	16,7	2,5	26,7/6067	36,1	2,07
S77	58,34	18,26	22,23	8,90	43,2	46,4	26,2	4,0	45,0/10227	73,1	2,66
S88	66,27	22,86	28,58	8,90	49,8	53,0	26,2	4,0	45,0/10227	73,1	3,25
CA642	41,40	15,88	19,00	8,28	36,1	39,1	21,2	3,0	50,0/11363	55,0	1,98
CA650	50,80	25,00	18,90	9,53	40,4	44,7	25,0	4,0	90,0/20454	95,5	3,49
CA650F2	50,80	20,00	18,90	9,53	40,4	44,7	25,0	4,0	90,0/20454	95,5	2,98

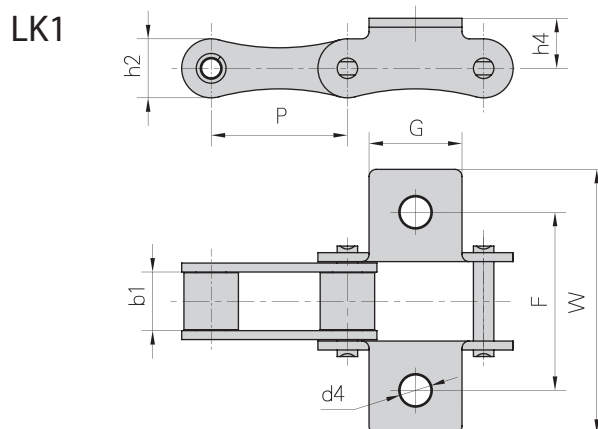
Standard execution zinc plated

# Agriculture chains type S - DIN 8189



Chain No.	$p$	$b_1$	$h_2$	$T$	$C$	$F$	$d_4$	$K$
	mm	mm	mm	mm	mm	mm	mm	mm
S32 SK1	29,21	15,88	13,2	1,8	17,3	26,2	5,3	6,9
S42 SK1	34,93	19,05	19,8	2,8	23,6	34,3	8,3	11,5
S45 SK1	41,40	22,23	17,3	2,8	19,8	30,2	8,3	11,5
S52 SK1	38,10	22,23	17,3	2,8	22,1	31,8	8,3	9,9
S55 SK1	41,40	22,23	17,3	2,8	19,8	30,2	8,3	11,5
S62 SK1	41,91	26,20	17,3	2,5	24,6	38,6	8,3	14,7
S77 SK1	58,34	22,23	26,2	4,0	36,3	50,0	8,3	11,5
S88 SK1	66,27	28,58	26,2	4,0	43,7	55,6	8,3	9,9

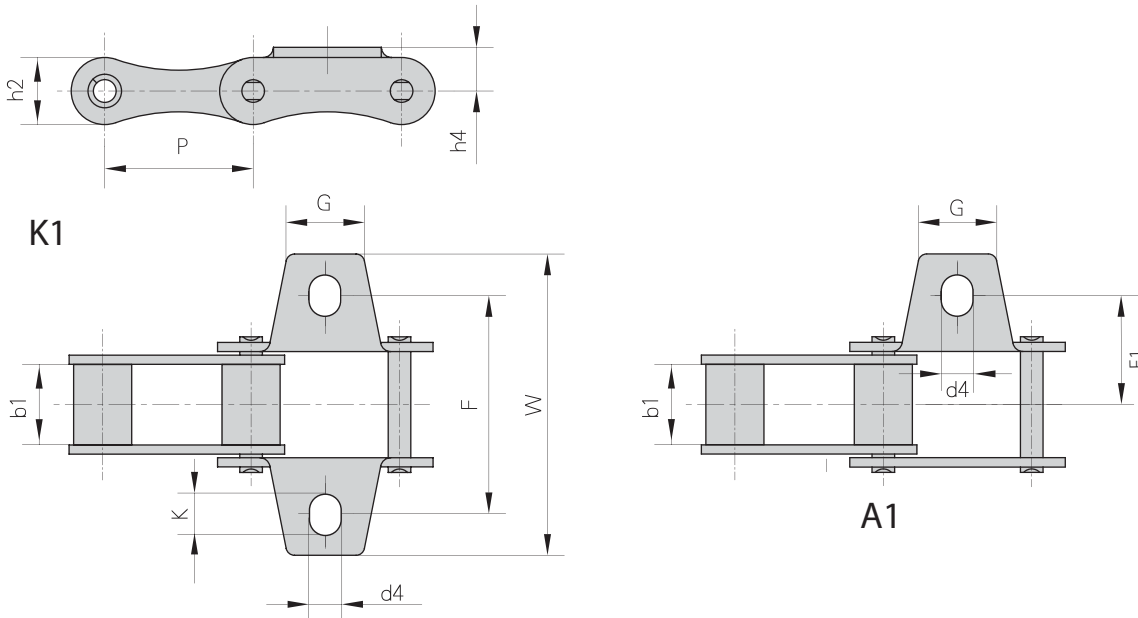
Standard execution zinc plated



Chain No.	$p$	$b_1$	$G$	$F$	$W$	$h_4$	$d_4$
	mm	mm	mm	mm	mm	mm	mm
S52 LK1	38,1	16,4	26,0	50,0	74,0	14,0	9,0

Standard execution zinc plated

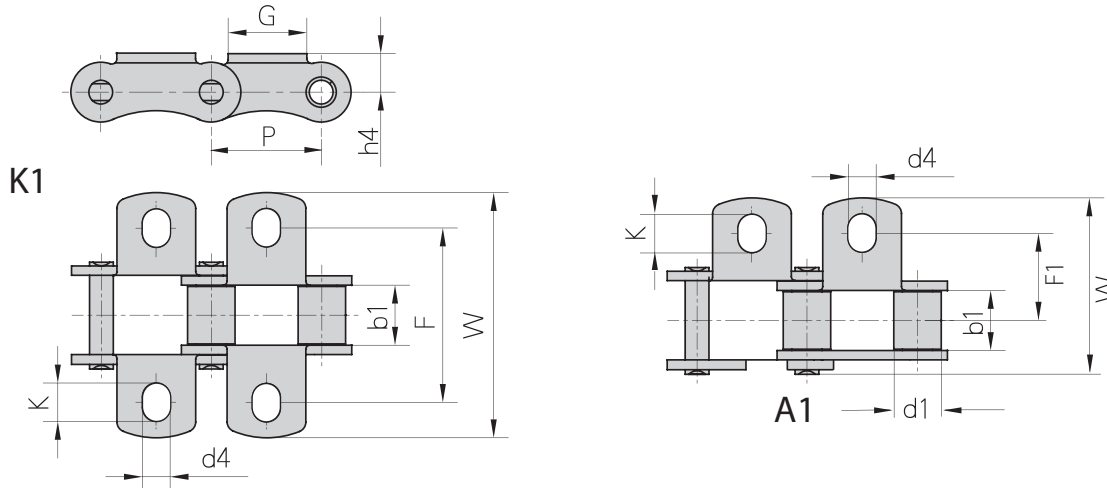
# Agriculture chains type S - DIN 8189




Chain No.	P	b1	G	F	F1	W	h4	d4	K	h2
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
S32 K1	29,21	15,88	15	42,9	21,45	61,0	8,6	5,3	6,9	13,2
S32 K1F1	29,21	15,88		42,9	21,45	61,0	8,6	6,5	8,1	13,2
S42 K1	34,93	19,05	17,5	54,0	27	74,9	14,0	8,3	11,5	19,8
S45 K1	41,40	22,23	22,0	54,0	27	75,0	11,4	8,5	11,7	17,3
S51 K 1	38,10	16,0	19,0	49,8	24,9	71,5	11,4	8,3	9,9	17,3
S52 K1	38,10	22,23	19,0	58,8	29,4	78,0	11,4	8,3	9,9	17,3
S52 K1F1	38,10	22,23	19,0	58,8	29,4	78,0	11,4	6,6	8,2	17,3
S55 K1	41,40	22,23	22,0	54,0	27	75,0	11,4	8,5	11,7	17,3
S62 K1	41,91	26,2	22,0	66,8	33,4	95,4	11,4	8,3	14,7	17,3
S62 A2K1	41,91	26,2	22,0	66,7	33,35	95,5	12,6	8,3	14,7	17,3
S62 F2K1	41,91	26,2	22,0	66,8	33,4	95,4	11,4	6,5	13,0	17,3
S77 K1	58,34	22,23	25,0	76,2	38,1	102,0	20,8	8,3	11,5	26,2
S88 K1	66,27	28,58	22,0	97,0	48,5	119,4	20,8	8,3	9,9	26,2

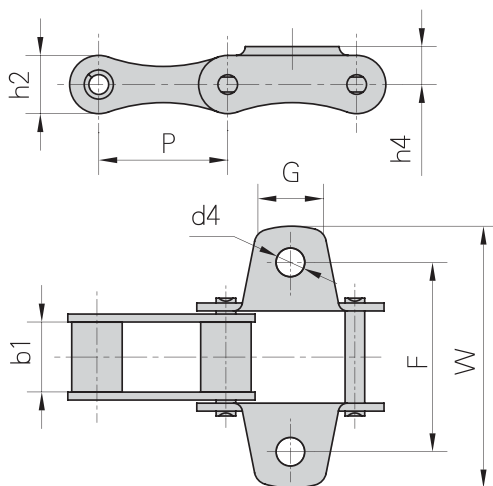
Standard execution zinc plated


# Agriculture chains type S - DIN 8189



Chain No.	<i>p</i>	<i>b1</i>	<i>G</i>	<i>F</i>	<i>F1</i>	<i>W</i>	<i>h4</i>	<i>d4</i>	<i>K</i>	<i>d1</i>
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
S55RH	41,4	22,23	25,0	63,6	31,8	90,4	15,5	8,6	12,0	17,78
S55RH / 25	41,4	22,23	25,0	63,6	31,8	90,4	15,5	8,6	12,0	25

Standard execution zinc plated

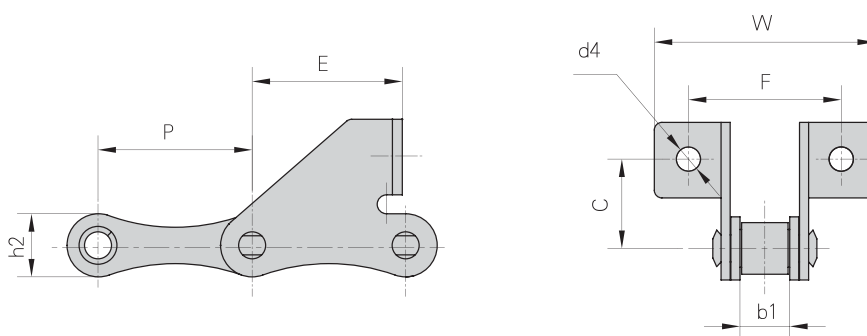



Chain No.	<i>p</i>	<i>b1</i>	<i>G</i>	<i>F</i>	<i>W</i>	<i>h4</i>	<i>d4</i>	<i>h2</i>
	mm	mm	mm	mm	mm	mm	mm	mm
S55F5	41,4	22,23	22,0	56,0	75,0	11,4	10,0	17,3
S77K1 F1	58,34	22,23	26,0	76,2	103,8	20,8	10,5	26,2

Standard execution zinc plated

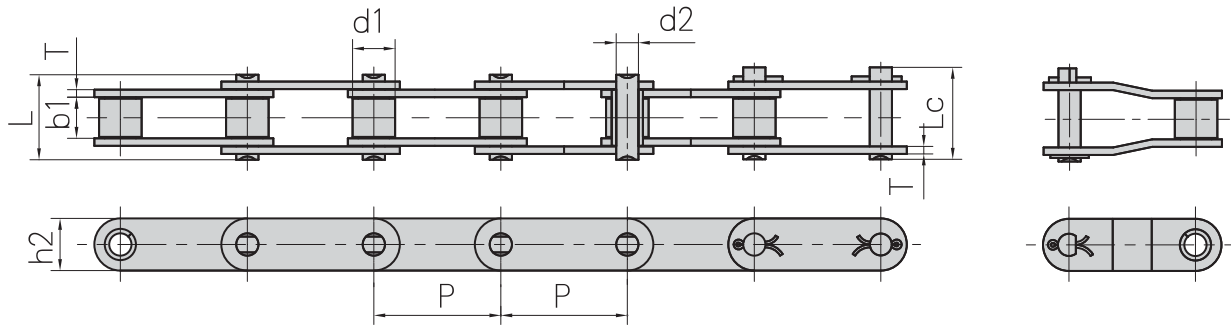


## Agriculture chains type S - DIN 8189



 Chain No.	<i>P</i>	<i>b1</i>	<i>C</i>	<i>E</i>	<i>F</i>	<i>W</i>	<i>d4</i>	<i>h2</i>
	mm	mm	mm	mm	mm	mm	mm	mm
S32 SD	29,21	15,88	20,0	19,2	58,0	78,0	6,4	13,2
S45 W-F1	41,40	22,23	20,0	37,0	58,0	87,0	6,6	17,3
S45 W-F4	41,40	22,23	20,5	33,2	58,0	85,6	6,6	17,3
S45 F1	41,40	22,23	21	25,0	62,4	83,4	8,5	17,3
S52 SD	38,10	22,23	20,0	19,2	62,0	88,5	6,4	17,3
S52 F4	38,10	15,8	20,6	37,0	53,8	69,5	6,4	16,7
S52 F8	38,10	22,23	20,6	37,0	60,7	76,4	6,4	17,3
S52 F9	38,10	18,5	20,0	18,5	54,5	71,0	6,5	16,5
S52 LSD	38,10	16,4	20,0	17,5	54,5	71,0	6,5	16,5
S55 F2	41,40	22,23	20,0	37,0	58,0	87,0	6,4	17,3
S55 F3	41,40	22,23	20,5	33,2	58,0	85,6	6,6	17,3
S55 F4	41,40	22,23	20,0	37,0	58,0	87,0	6,6	17,3
S55 F6	41,40	22,23	20,0	30,0	58,0	87,0	6,4	17,3
S55 F7	41,40	22,23	20,5	33,2	62,0	85,6	6,6	17,3
S62 SD	41,91	26,2	20,0	32,6	61,4	92,0	6,4	17,3

# Agriculture chains type A and CA

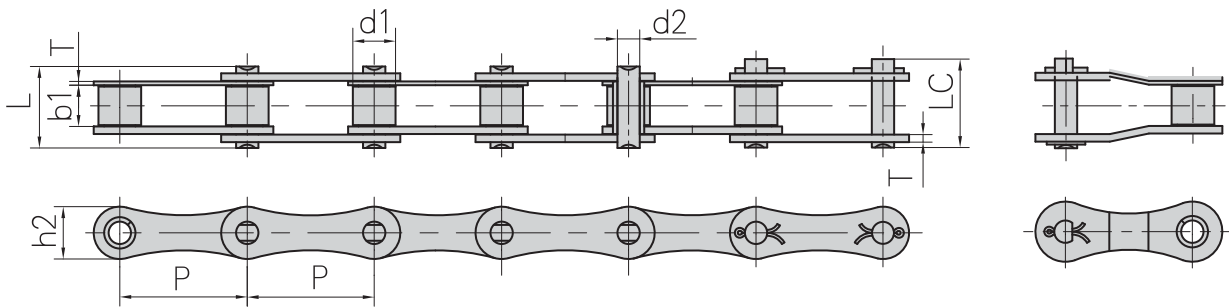


Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
CA550	41,40	16,87	19,81	7,19	35,0	38,0	19,30	2,80	39,10/8886	51,2	1,94
CA550V	41,40	16,80	19,05	8,28	36,1	39,1	22,00	3,00	55,00/12499	68,7	2,24
CA555	41,40	16,87	12,70	7,19	29,1	32,0	19,30	3,10	39,10/8886	56,0	1,72
CA557	41,40	17,78	20,24	8,00	37,4	40,6	23,10	3,10	55,61/12639	74,3	2,60
CA620	42,01	17,91	24,51	7,19	41,8	45,2	20,20	3,25	39,10/8886	55,1	2,35
CA650	50,80	19,05	19,05	9,53	40,5	46,8	25,50	4,00	90/20454	95,5	3,49
CA206OH	38,10	11,91	12,70	5,94	29,2	31,6	18,00	3,25	31,10/6996	40,5	1,45
CA2063H	38,10	11,89	12,70	5,94	29,4	34,2	19,30	3,25	31,28/7109	40,5	1,65
CA550F4	41,40	14,35	20,24	7,14	35,0	38,5	19,05	2,80	50,00/11363	52,0	1,76
CA550F5	41,40	16,66	20,24	7,14	35,0	38,5	19,05	2,80	45,00/10227	52,0	1,97
CAE44151	28,57	15,88	16,20	7,92	33,5	36,9	22,20	3,25	58,80/13363	64,5	2,73
38.4R	38,40	15,88	19,05	6,92	33,8	36,4	17,30	2,50	33,00/7480	41,2	1,70
38.4V	38,40	15,88	18,00	6,92	35,0	38,0	17,30	3,00	40,00/9091	50,0	1,83
38.4VB	38,40	15,88	19,05	8,28	36,1	39,4	20,50	3,00	50,00/11363	62,5	2,17
55VD	41,40	17,90	23,00	8,22	39,3	42,4	20,00	2,80	42,00/9546	45,0	2,34
S62F3	41,91	19,05	25,40	8,00	42,0	44,6	26,00	3,00	47,00/10796	58,7	3,12

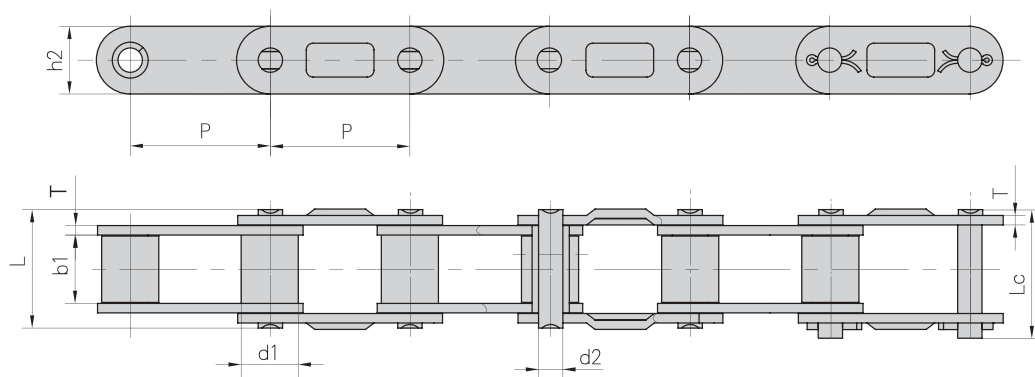




## Agriculture chains type A and CA

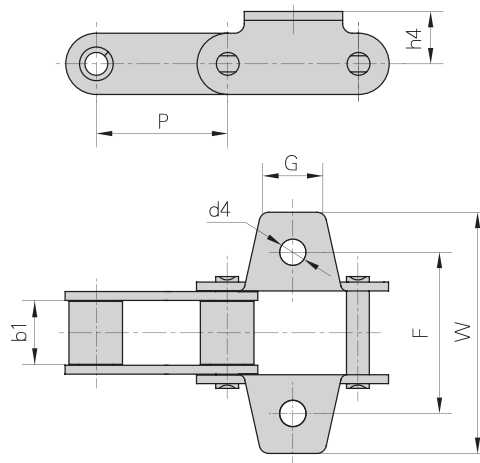



Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	$F_B$ min.	$F_{BA}$	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	
A550	41,40	16,87	19,81	7,19	35,00	38,00	19,30	2,80	39,10/8886	51,2	1,79
A555	41,40	16,87	12,70	7,19	29,10	32,00	19,30	3,10	39,10/8886	56,0	1,60
A557	41,40	17,78	20,24	8,00	37,40	40,60	23,10	3,10	55,61/12639	74,3	2,45
A620	42,01	17,91	24,51	7,19	41,80	45,20	20,20	3,25	39,10/8886	55,1	2,18
S55H	41,40	17,78	22,23	9,10	40,00	44,50	23,10	3,00	50,0	58,0	2,65




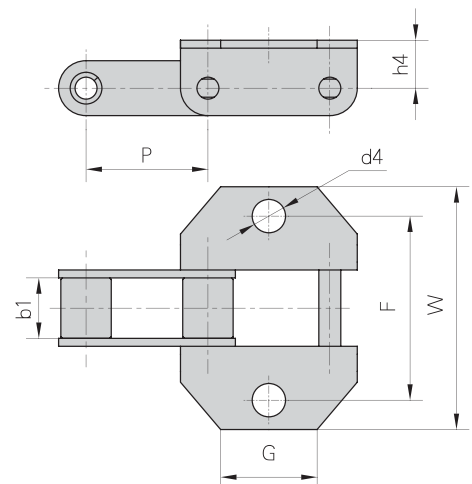
Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	$F_B$ min.	$F_{BA}$	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
CA550D	41,40	16,87	19,81	7,19	35,0	38,0	19,3	2,80	39,10/8886	51,2	1,94
CA555D	41,40	16,87	12,70	7,19	29,1	32,0	19,3	3,1	39,10/8886	56,0	1,72
CA557D	41,40	17,78	20,24	8,00	37,4	40,6	23,1	3,1	55,61/12639	74,3	2,60
CA620D		17,91	24,51	7,19	41,8	45,2	20,2	3,3	39,10/8886	55,1	2,35
CA627	30,0	15,88	19,05	8,28	36,0	39,2	20,65	3,0	48,0	48,0	2,45

# Agriculture chains type A and CA

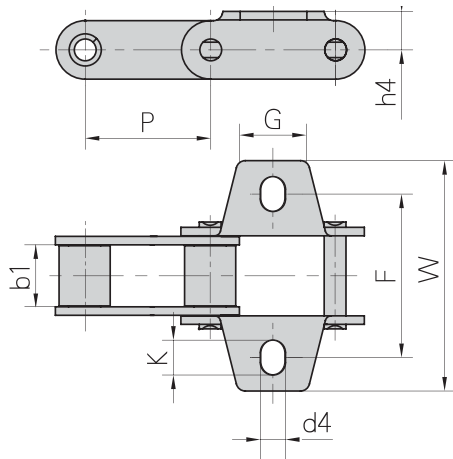


 Chain No.	P	b1	G	F	W	h4	d4
38,4VK1	38,4	18,00	22,00	57,5	82,00	15,4	9,0
38,4RF1	38,4	18,50	23,00	57,5	80,00	16,0	8,7
CA550F2	41,4	19,50	22,00	50,8	72,00	14,7	8,5
CA550K1 F1	41,4	19,81	20,00	54,0	76,20	16,5	8,3
CA550K1 F2	41,4	19,81	20,00	50,8	76,20	16,5	8,3
CA550K25	41,4	19,81	22,23	50,8	71,40	12,7	8,7
CA557K1	41,4	20,24	22,00	50,8	72,00	15,9	8,7
CA550VK1	41,4	19,05	27,00	54,0	75,54	16,5	8,5
CA550VK1 F1	41,4	19,05	27,00	50,8	75,54	16,5	8,5
CA550F4K19	41,4	20,24	22,23	50,8	77,80	12,7	6,75

 Chain No.	P	b1	G	F	W	h4	d4
	mm	mm	mm	mm	mm	mm	mm
38,4RK1	38,4	19,05	29,1	58,0	76,5	15,1	10,5
38,4VK1 F1	38,4	18,0	29,1	57,0	75,0	15,1	8,5
38,4V F 7	38,4	19,05	39,0	58,4	82,4	14,5	10,5
38,4VBK1	38,4	19,05	29,0	58,0	87,0	14,0	10,5
38,4VBF3	38,4	19,05	40,0	57,0	86,0	16,0	10,3
CA550VK18	41,4	19,05	22,6	54,0	71,6	12,7	8,5

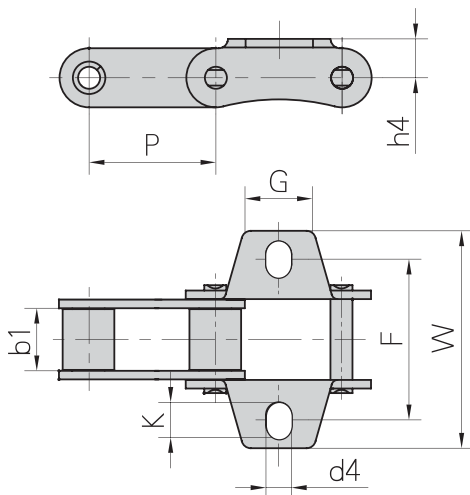
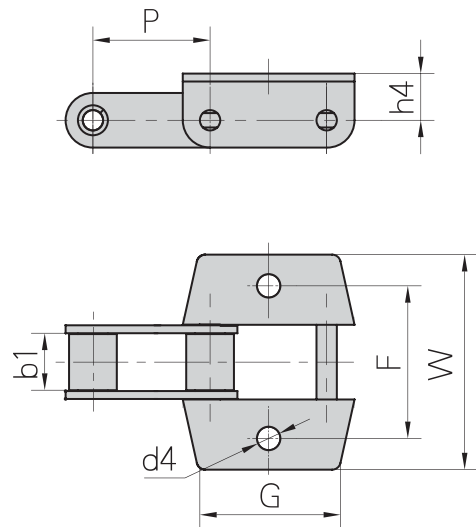


# Agriculture chains type A and CA



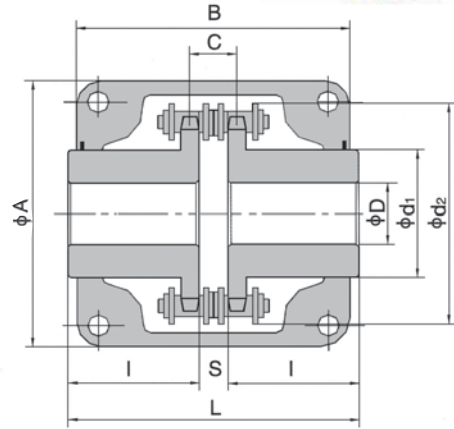
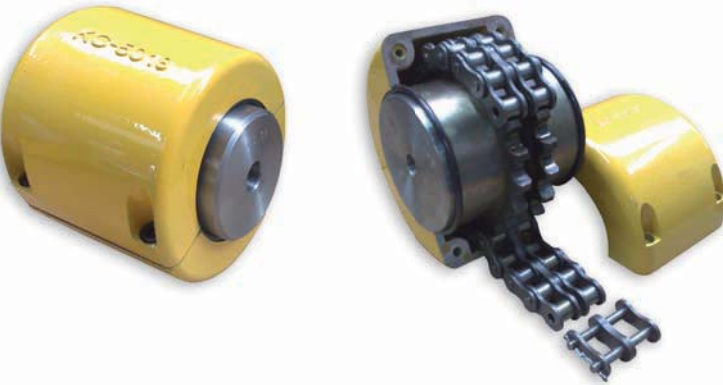
Chain No.	P	b1	G	F	W	h4	d4	K
	mm	mm	mm	mm	mm	mm	mm	mm
CA550K1	41,4	19,81	22,0	52,5	76,2	12,7	8,3	10,0
CA550K1 F3	41,4	19,81	22,0	54,0	76,2	12,7	8,3	11,5
CA550F4K19F1	41,4	20,24	22,23	52,5	76,2	12,7	8,3	10,0

Chain No.	P	b1	G	F	W	h4	d4
	mm	mm	mm	mm	mm	mm	mm
CA550K1 F4	41,4	19,81	48,5	54,0	76,2	16,5	8,5
CA550VK1 F3	41,4	19,05	56,0	54,0	75,54	16,5	8,5
CA620A1 F1	42,01	24,51	63,5	67,7	91,7	16,05	10,5



Chain No.	P	b1	G	F	W	h4	d4	K
	mm	mm	mm	mm	mm	mm	mm	mm
CA550K19	41,4	19,81	22,0	50,8	71,0	12,7	8,3	11,0
CA550K19F1	41,4	19,81	22,0	54,0	71,0	12,7	8,3	11,0
CA550K19F2	41,4	19,81	25,4	50,8	71,0	12,7	8,4	11,5

# Chain couplings type RC



Chain coupling No.	Chain No.	Bore Diameter		Dimension						Inertia $\times 10^3$	Approx Weight $kg$	Casing		
		Min	Max	L	I	S	d1	d2	C			Dimension		Approx Weight
												A	B	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
RC 4012	40-2X12	12	22	79,4	36,0	7,4	35	61	14,4	1.020	0,8	77	72	0,3
RC 4014	40-2X14	12	28	79,4	36,0	7,4	43	69	14,4	1.924	1,1	84	75	0,4
RC 4016	40-2X16	14	32	87,4	40,0	7,4	50	77	14,4	3.285	1,4	92	75	0,4
RC 5014	50-2X14	16	35	99,7	45,0	9,7	53	86	18,1	6.010	2,2	101	85	0,5
RC 5016	50-2X16	16	40	99,7	45,0	9,7	60	96	18,1	9.720	2,7	111	85	0,6
RC 5018	50-2X18	20	45	99,7	45,0	9,7	70	106	18,1	15.420	3,8	122	85	0,8
RC 6018	60-2X18	20	56	123,5	56,0	11,5	85	128	22,8	40.210	6,2	142	106	1,2
RC 6020	60-2X20	20	60	123,5	56,0	11,5	98	140	22,8	62.870	7,8	158	105	1,6
RC 6022	60-2X22	20	71	123,5	56,0	11,5	110	152	22,8	93.450	10,4	168	117	1,8
RC 8018	80-2X18	20	80	141,2	63,0	15,2	110	170	29,3	142.030	12,7	190	129	2,5
RC 8020	80-2X20	20	90	145,2	65,0	15,2	120	186	29,3	204.900	16,0	210	137	2,9
RC 8022	80-2X22	20	100	157,2	71,0	15,2	140	202	29,3	341.170	20,2	226	137	3,6
RC10020	100-2X20	25	110	178,8	80,0	18,8	160	233	35,8	646.290	33,0	281	153	4,6
RC12018	120-2X18	35	125	202,7	90,0	22,7	170	256	45,4	1.075.710	47,0	307	181	6,2
RC12022	120-2X22	35	140	222,7	100,0	22,7	210	304	45,4	2.454.500	72,0	357	181	8

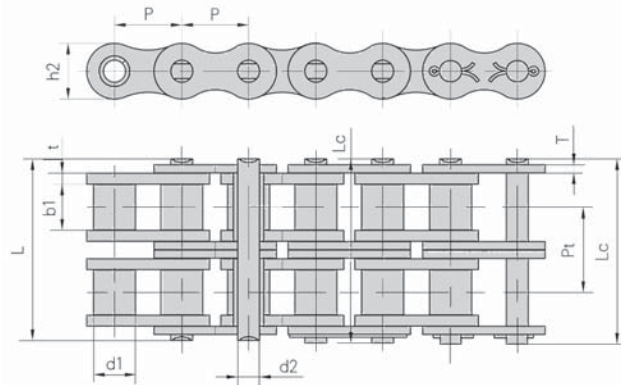
### transmittable power (kW)

coupling type	max. mm	Speed of rotation (min <sup>-1</sup> )																							
		1	5	10	25	50	100	200	300	400	500	600	800	1000	1200	1500	1800	2000	2500	3000	3600	4000	4800	5200	6000
CR 4012	22	0,02	0,11	0,22	0,58	1,15	1,73	2,63	3,46	4,15	4,96	5,67	7,01	8,59	9,68	11,4	13,7	14,8	17,9	20,7	24,1	28,3	30,8	14,8	18,7
CR 4016	30	0,04	0,21	0,41	1,03	2,08	3,09	4,69	8,17	7,41	8,85	10,1	12,5	15,3	17,30	21,0	24,4	26,3	31,9	37,0	43,0	46,9	54,9		
CR 5016	38	0,08	0,39	0,78	1,95	3,91	5,86	8,92	11,2	14,1	16,0	19,2	23,8	28,9	32,9	39,9	48,4	50,0	60,8	70,4	81,6				
CR 5018	45	0,10	0,50	0,99	2,48	4,95	7,43	11,3	14,9	17,8	21,3	24,4	30,1	36,8	41,6	50,5	58,8	63,4	76,9	89,2					
CR 6018	55	0,18	0,93	1,87	4,67	9,33	14,0	21,3	28,0	33,6	40,1	45,9	56,8	69,1	78,4	95,2	111	120	145						
CR 6022	75	0,25	1,25	2,51	6,31	12,5	18,8	28,6	37,7	45,3	54,1	61,9	76,5	93,1	105	128	149	161	195						
CR 8018	78	0,41	2,07	4,14	10,9	20,7	31,0	47,2	62,1	74,5	89,0	101	126	153	174	211	246	265							
CR 8022	95	0,59	2,96	5,93	14,8	29,6	44,5	67,2	89,0	108	127	146	180	219	249	307	352	379							
CR 10020	110	0,93	4,00	9,33	23,3	46,6	70,0	106	140	168	200	229	283	345	392	476	554								
CR 12018	120	1,40	7,02	14,0	35,1	70,2	105	160	210	252	307	345	426	519	590	716									
CR 12022	150	1,81	9,02	18,1	45,3	90,7	136	206	272	326	390	446	551	671	762										

### Reduction of transmittable power by different operating factors: (reduction factors)

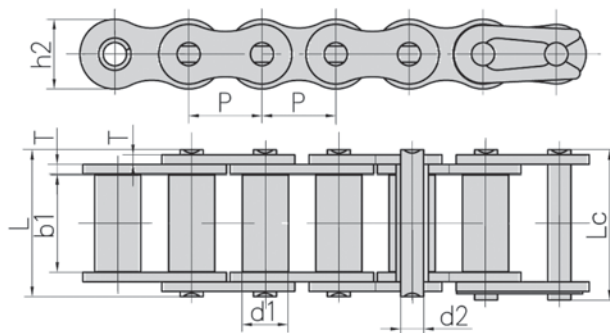
drive characteristics at 8 h/day		electric motor	steam- / gasoline motor	gas or diesel motor
A	constant load, one sense of rotation, low starting torque	1,0	1,5	2,0
B	alternating load, one sense of rotation, low starting torque	1,5	2,0	2,5

## Coupling chains



Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Transverse pitch	Ultimate tensile strength	Average tensile strength	Weight per piece
	P	d1 max	b1 max	d2 max	L max	Lc max	h2 max	T max	Pt	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
40-2X12	12,700	7,95	7,85	3,96	31,0	32,2	12,00	1,50	14,38	28,2/6409	35,9	0,16
40-2X14	12,700	7,95	7,85	3,96	31,0	32,2	12,00	1,50	14,38	28,2/6409	35,9	0,19
40-2X16	12,700	7,95	7,85	3,96	31,0	32,2	12,00	1,50	14,38	28,2/6409	35,9	0,21
50-2X14	15,875	10,16	9,40	5,08	38,9	40,4	15,09	2,03	18,11	44,4/10091	58,1	0,49
50-2X16	15,875	10,16	9,40	5,08	38,9	40,4	15,09	2,03	18,11	44,4/10091	58,1	0,56
50-2X18	15,875	10,16	9,40	5,08	38,9	40,4	15,09	2,03	18,11	44,4/10091	58,1	0,63
60-2X18	19,050	11,91	12,57	5,94	48,8	50,5	18,00	2,42	22,78	63,6/14455	82,1	1,00
60-2X20	19,050	11,91	12,57	5,94	48,8	50,5	18,00	2,42	22,78	63,6/14455	82,1	1,11
60-2X22	19,050	11,91	12,57	5,94	48,8	50,5	18,00	2,42	22,78	63,6/14455	82,1	1,22
80-2X18	25,400	15,88	15,75	7,92	62,7	64,3	24,00	3,25	29,29	113,4/25773	141,8	2,35
80-2X20	25,400	15,88	15,75	7,92	62,7	64,3	24,00	3,25	29,29	113,4/25773	141,8	2,62
80-2X22	25,400	15,88	15,75	7,92	62,7	64,3	24,00	3,25	29,29	113,4/25773	141,8	2,88
100-2X20	31,750	19,05	18,90	9,53	76,4	80,5	30,00	4,00	35,76	177,0/40227	219,4	4,05
100-2X22	31,750	19,05	18,90	9,53	76,4	80,5	30,00	4,00	35,76	177,0/40227	219,4	4,95
120-2X18	38,100	22,23	25,22	11,10	95,8	99,7	35,70	4,80	45,44	254,0/57727	314,9	8,14
120-2X22	38,100	22,23	25,22	11,10	95,8	99,7	35,70	4,80	45,44	254,0/57727	314,9	9,95

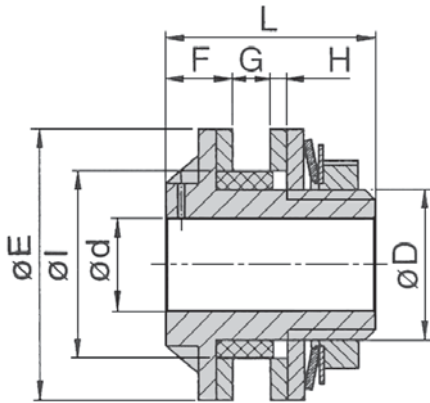
## Special coupling chains



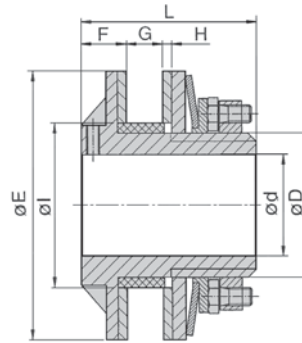
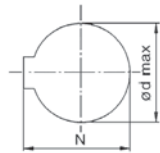
Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max	F <sub>B</sub> min.	F <sub>BA</sub>	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
10AF13	15,875	10,16	16,31	5,08	27,6	29,1	15,09	2,03	22,20/5045	29,4	1,35
12AF2	19,050	11,91	19,10	5,94	32,6	34,4	18,00	2,42	31,80/7227	41,5	1,90
12AF6	19,050	11,91	18,80	5,94	31,9	33,5	18,00	2,42	31,80/7227	41,5	1,87
12AF26	19,050	11,91	19,36	5,94	31,9	33,5	18,00	2,42	31,80/7227	41,5	1,94
16AF25	25,400	15,88	25,58	7,92	42,4	43,9	24,00	3,25	56,70/12886	69,4	3,26

# Torque limiter couplings

Series LC-1 / LC-2



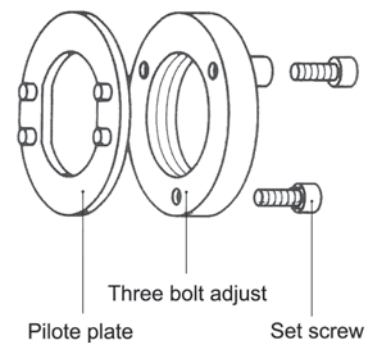
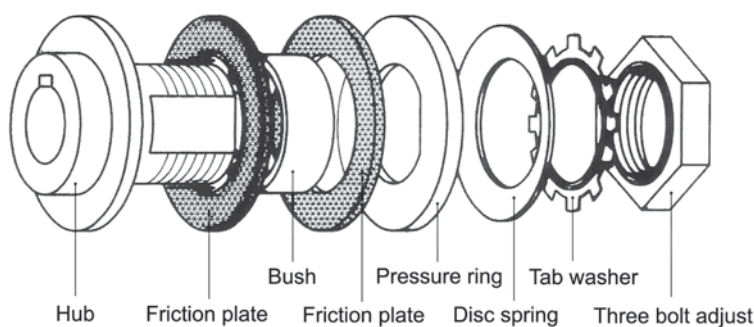
LC 40 - 45 - 65 - 85



LC 95 - 120 - 140 - 170



Type No.	Dimensions							Bore Dia		Torque	N°	Sprocket	Approx
	ØE	ØI h8	Ød	F	G max	ØD	L	DIN 6885/1		max	Springs	dimensions	Weight
								Ød max	N	Nm		Z / t	kg
LC 40-1	40,0	26,0	7,00	10,0	3,0	22,0	30,0	14,0	16,3	15	1	z=18-21 t=3/8"	0,20
LC 40-2	40,0	26,0	7,00	10,0	3,0	22,0	30,0	14,0	16,3	28	2	z=15 t=1/2"	0,20
LC 45-1	45,0	35,0	7,00	11,0	4,0	32,0	35,5	20,0	22,8	30	1	z=19-23 t=3/8"	0,35
LC 45-2	45,0	35,0	7,00	11,0	4,0	32,0	35,5	20,0	22,8	55	2	z=17 t=1/2"	0,35
LC 65-1	65,0	45,0	10,00	16,0	4,0	36,0	50,5	22,0	24,8	70	1	z=27 t=3/8"	0,50
LC 65-2	65,0	45,0	10,00	16,0	4,0	36,0	50,5	22,0	24,8	120	2	z=21 t=1/2"	0,50
LC 85-1	85,0	52,0	15,00	17,0	4,0	42,0	55,5	25,0	28,3	130	1	z=25 t=1/2"	1,00
LC 85-2	85,0	52,0	15,00	17,0	4,0	42,0	55,5	25,0	28,3	240	2	z=21 t=5/8"	1,00
LC 95-1	95,0	60,0	15,00	18,0	4,0	52,0	52,0	35,0	38,3	190	1	z=25 t=5/8"	1,30
LC 95-2	95,0	60,0	15,00	18,0	4,0	52,0	52,0	35,0	38,3	340	2	z=19 t=3/4"	1,30
LC 120-1	120,0	73,0	20,00	20,0	4,0	64,0	64,0	45,0	48,8	350	1	z=25 t=3/4"	2,80
LC 120-2	120,0	73,0	20,00	20,0	4,0	64,0	64,0	45,0	48,8	650	2	z=21 t=1"	2,80
LC 140-1	140,0	90,0	20,00	23,0	4,0	85,0	85,0	60,0	64,4	650	1	z=30 t=3/4"	5,20
LC 140-2	140,0	90,0	20,00	23,0	4,0	85,0	85,0	60,0	64,4	1200	2	z=21 t=1"	5,20
LC 170-1	170,0	100,0	28,00	27,5	4,5	90,0	90,0	65,0	69,4	1000	1	z=25 t=1"	6,60
LC 170-2	170,0	100,0	28,00	27,5	4,5	90,0	90,0	65,0	69,4	1800	2	z=22 t=1.1/4"	6,60

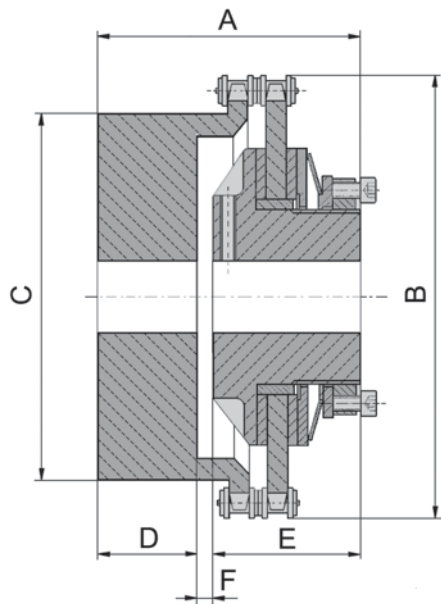




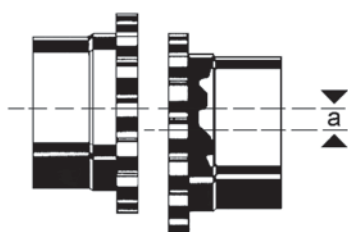
# Torque limiter couplings

Series FT-1C / FT-2C

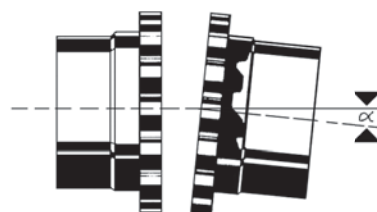
ROLLER CHAINS



Type No.	Max. error in alignment		Torque Nm		Max. bore dia.		Pilot bore	Sprocket dimensions	Dimensions (mm)						Weight kg
	Max. screw	Max. angular offset	Min.	Max.	Sliding hub	Sprocket hub			A	B	C	D	E	F	
FT 120-1C	0,15	0,50°	0,5	2,5	8	25	6	Z=19 t=3/8"	52,5	66,2	40,0	20,0	31,0	1,5	0,28
FT 120-2C	0,15	0,50°	1	5	8	25	6	Z=19 t=3/8"	52,5	66,2	40,0	20,0	31,0	1,5	0,28
FT 180-1C	0,20	0,50°	2	10	20	35	8	Z=22 t=3/8"	58,0	75,2	55,0	23,0	33,0	2,0	0,85
FT 180-2C	0,20	0,50°	4	20	20	35	8	Z=22 t=3/8"	58,0	75,2	55,0	23,0	33,0	2,0	0,85
FT 250-1C	0,30	0,75°	7	28	22	49	10	Z=22 t=1/2"	76,9	100,8	75,5	22,3	48,0	6,6	1,80
FT 205-2C	0,30	0,75°	14	56	22	49	10	Z=22 t=1/2"	76,9	100,8	75,5	22,3	48,0	6,6	1,80
FT 350-1C	0,35	0,75°	20	75	25	58	18	Z=24 t=5/8"	103,9	136,1	104,5	34,0	62,0	7,9	4,90
FT 350-2C	0,35	0,75°	40	150	25	58	18	Z=24 t=5/8"	103,9	136,1	104,5	34,0	62,0	7,9	4,90
FT 500-1C	0,40	0,75°	50	210	41	72	22	Z=28 t=3/4"	121,0	185,9	144,3	39,0	76,0	6,0	11,80
FT 500-2C	0,40	0,75°	100	420	41	72	22	Z=28 t=3/4"	121,0	185,9	144,3	39,0	76,0	6,0	11,80
FT 700-1C	0,50	0,75°	115	570	64	104	24	Z=28 t= 1"	168,6	247,3	199,5	56,0	98,0	14,6	26,70
FT 700-2C	0,50	0,75°	230	1140	64	104	24	Z=28 t= 1"	168,6	247,3	199,5	56,0	98,0	14,6	26,70



max. shaft misalignment (screw)



max. angular offset  $\alpha \leq 1^\circ$

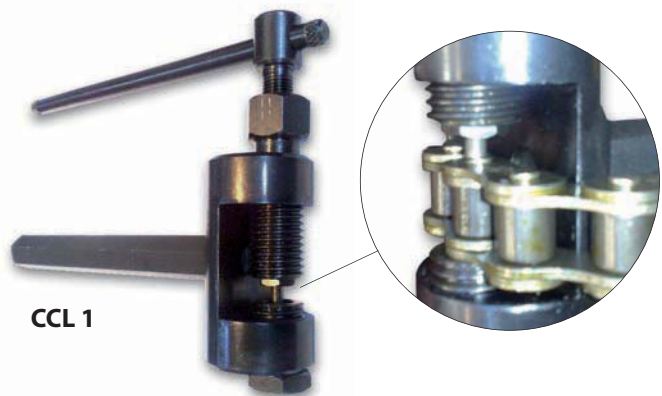


## Chain tools

Chain breakers			
Type	Pitch	For roller chains	
	mm - inch	DIN	ANSI
CB 25-60	6,35 - 19,05	06B-08B-10B-12B	25-35-40-50-60
	1/4" - 3/4"		
CB 60-100	19,05 - 31,75	12B-16B-20B	60-80-100
	3/4" - 1.1/4"		
CB 120-160	38,10 - 50,80	24B-28B-32B	120-140-160
	1.1/2" - 2"		



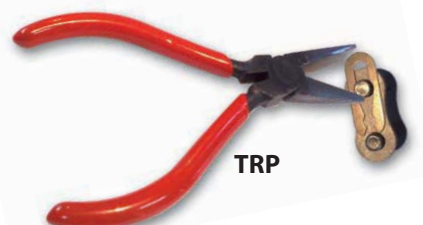
Chain cutters		
Type	For roller chains	
	DIN	ANSI
CCM	04-1 - 05B-1	25-1 - 35-1
CCS	06B-1 - 06B-2	35-1 - 35-2
	08B-1	40-1
CCL 1	10B-1 - 12B-1	50-1 - 60-1
	16B-1 - 20B-1	80-1 - 100-1
CCL 2	08B-2 - 10B-2	40-1 - 50-2
	12B-2	60-2



Chain tensioners		
Type	For roller chains	
	DIN	ANSI
CT 35	06B - 12B	35 - 60
CT 80	16B - 48B	80-240



Tool for removing and placing spring clips		
Type	For roller chains	
	DIN	ANSI
TRP	06B - 16B	35 - 80







## Lubrication system for roller- and conveyor chains

### Conveyors Lubrication Mono and Bi Rail Systems

This system is designed to lubricate the rollers of conveyors while they are in operation and delivers a metered amount of lubricant into moving bearing fittings. These custom engineered lubrication systems are perfect for applications even in harsh operating conditions. Each conveyor requires one unit for the left side and for the right.

The sequence of the lubrication events (each roller or every other roller, ect.) depends on the number of rollers, the speed of the conveyor or on the distance between the rollers.

### Benefits

- Metered application of lubricant.
- Works on moving parts which consuming time to lubricate manually.
- Lubricates while the conveyor is in normal operation - no lost production time.
- Lubrication even under harsh operation condition.

### Functioning

System if formed by a reservoir which sends oil, by gravity, to the dispensing rooms of the pneumatic micropumps. Necessary air for the functioning of the pumps and the oil spray is sent on the passage of bearings that power pneumatic valves with mechanical control or inductive sensors, suitably positioned along railroad.

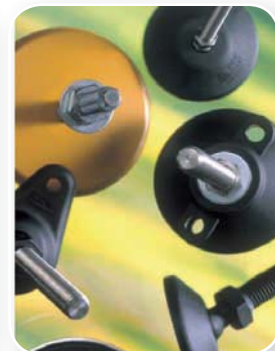
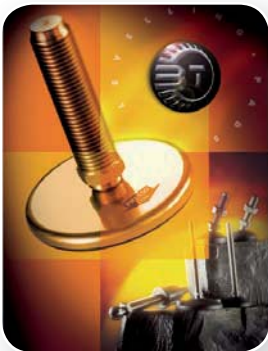
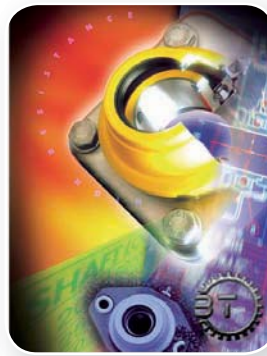
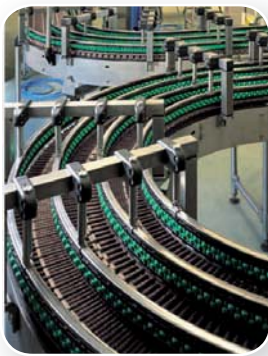




## Other products

### Complete range of flat top / Table top chains and components

ROLLER CHAINS



Available from stock



**View on products in our range**  
**Special customer-made**  
(please consult us with drawings and samples)

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View on products in our range  
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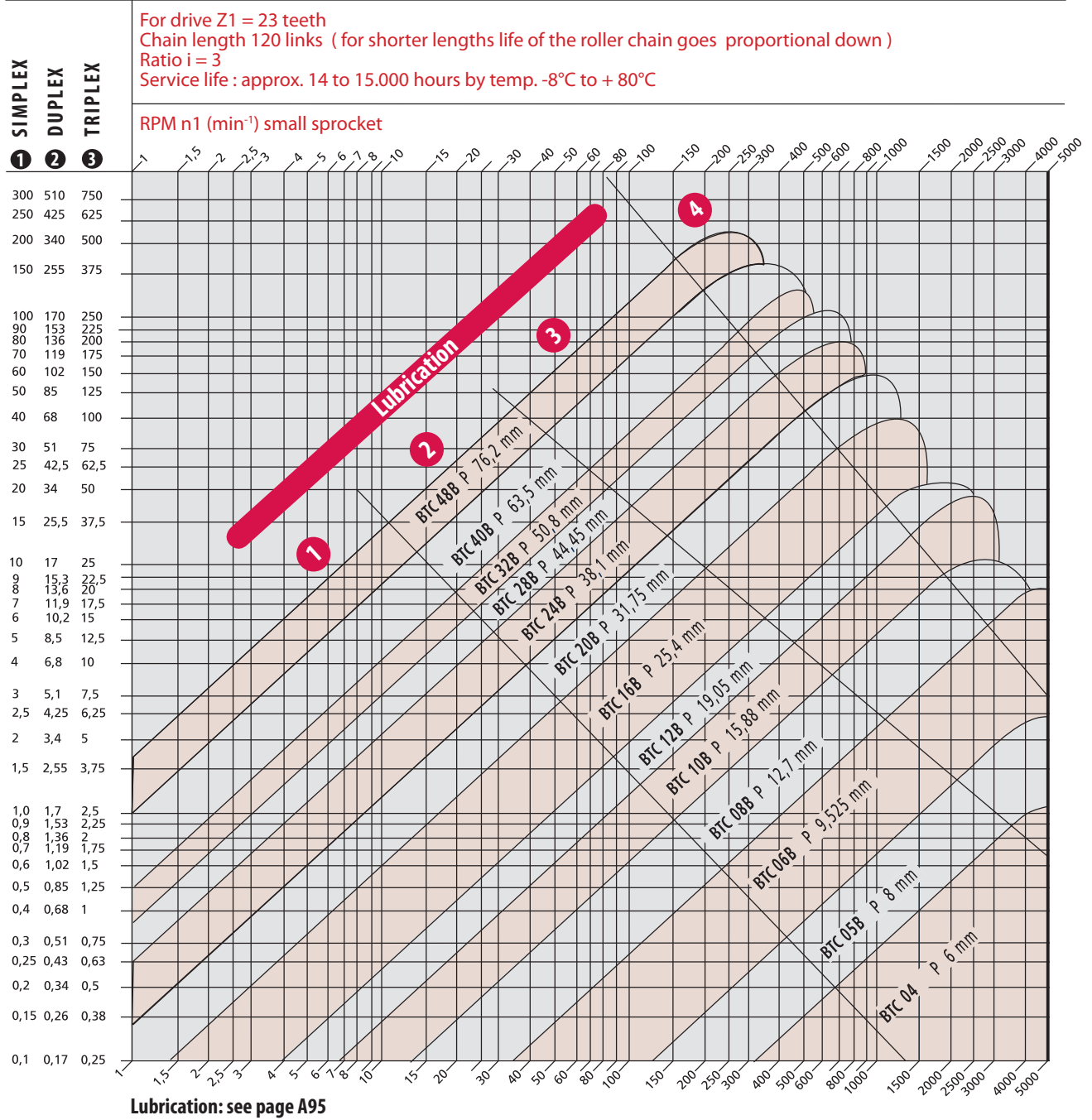




# Technical information

ROLLER CHAINS

## $P_D$ (kW) Power diagram for roller chains DIN 8187 - European standard



Quality steel roller chain

Stainless steel roller chain

$$P_D = P \cdot f_G$$

$$P_D = P \cdot f_{SS}$$

$$f_G = f_y \cdot f_z \cdot f_j \cdot f_a \cdot f_l$$

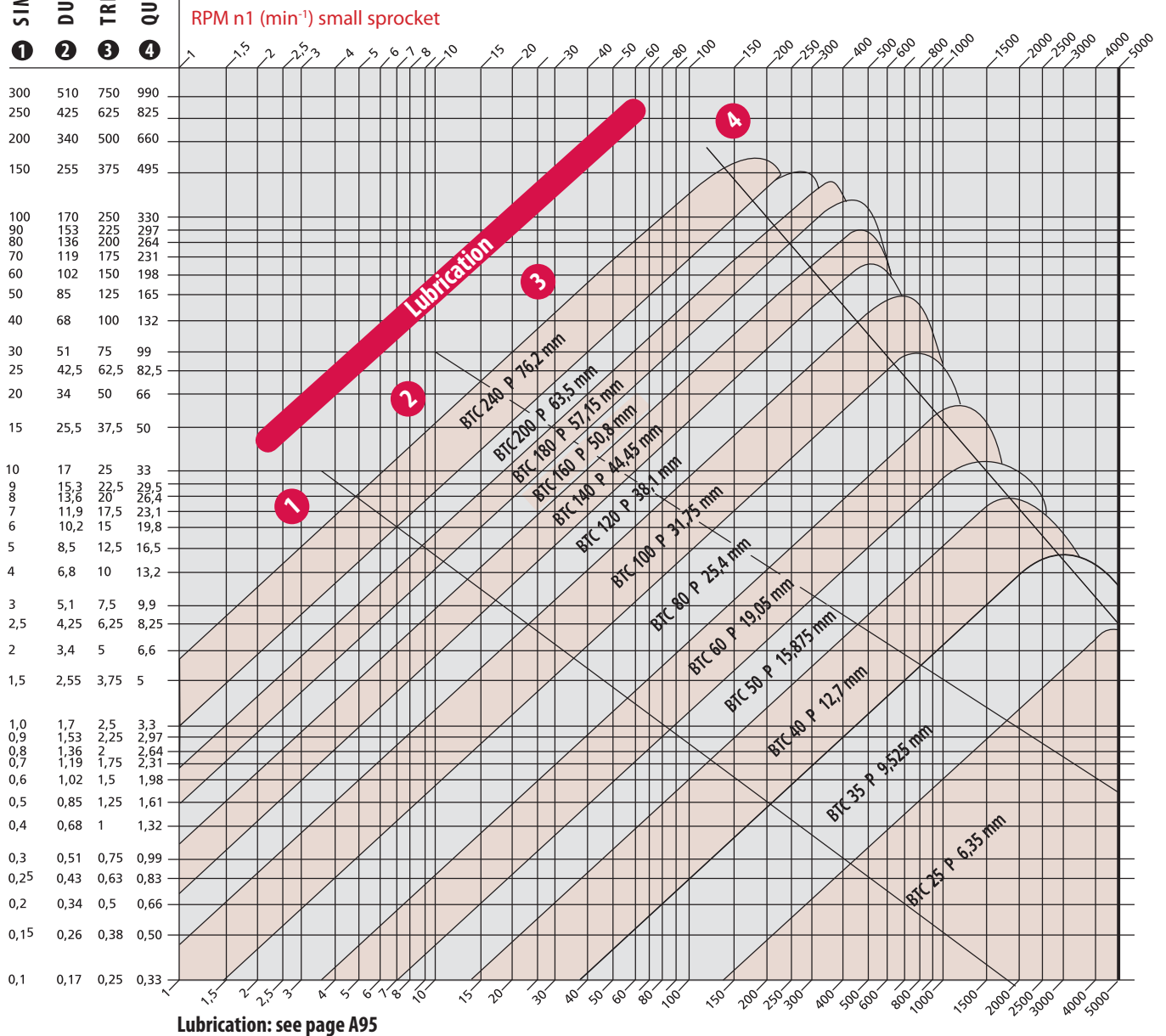
$$f_{SS} = f_w \cdot f_t \cdot f_v \cdot f_s$$



# Technical information

## $P_D$ (kW) Power diagram for roller chains DIN 8188 - American standard

For drive Z1 = 23 teeth  
 Chain length 120 links ( for shorter lengths life of the roller chain goes proportional down )  
 Ratio i = 3  
 Service life : approx. 14 to 15.000 hours by temp. -8°C to + 80°C



Quality steel roller chain

Stainless steel roller chain

$$P_D = P \cdot f_G$$

$$P_D = P \cdot f_{SS}$$

$$f_G = f_y \cdot f_z \cdot f_j \cdot f_a \cdot f_l$$

$$f_{SS} = f_w \cdot f_t \cdot f_v \cdot f_s$$



# Calculation

ROLLER CHAINS

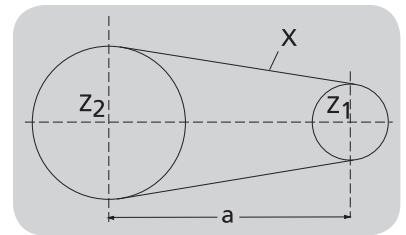
Calculation of the number of links in a given length of chain X

$$z_1 = z_2 \quad x = \frac{2a}{p} + z$$

$$z_1 \neq z_2 \quad x = 2 \frac{a}{p} + \frac{z_1 + z_2}{2} + \frac{C}{a}$$

Values for C  $c = \frac{(z_2 - z_1)^2}{2p}$

$z_2 - z_1$	C	$z_2 - z_1$	C	$z_2 - z_1$	C	$z_2 - z_1$	C	$z_2 - z_1$	C
1	0,0253	21	11,171	41	42,580	61	94,254	81	166,191
2	0,1013	22	12,260	42	44,683	62	97,370	82	170,320
3	0,2280	23	13,400	43	46,836	63	100,536	83	174,450
4	0,4053	24	14,590	44	49,040	64	103,753	84	178,730
5	0,6333	25	15,831	45	51,294	65	107,021	85	183,011
6	0,912	26	17,123	46	53,599	66	110,339	86	187,342
7	1,241	27	18,466	47	55,955	67	113,708	87	191,724
8	1,621	28	19,859	48	58,361	68	117,128	88	196,157
9	2,052	29	21,303	49	60,818	69	120,598	89	200,640
10	2,533	30	22,797	50	63,326	70	124,119	90	205,174
11	3,065	31	24,342	51	65,884	71	127,690	91	209,759
12	3,648	32	25,938	52	68,493	72	131,313	92	214,395
13	4,281	33	27,585	53	71,153	73	134,986	93	219,081
14	4,965	34	29,282	54	73,863	74	138,709	94	223,817
15	5,699	35	31,030	55	76,624	75	142,483	95	228,605
16	6,485	36	32,828	56	79,436	76	146,308	96	233,443
17	7,320	37	34,677	57	82,298	77	150,184	97	238,322
18	8,207	38	36,577	58	85,211	78	154,110	98	243,271
19	9,144	39	38,527	59	88,175	79	158,087	99	248,261
20	10,132	40	40,529	60	91,189	80	162,115	100	253,302



The calculated number of pitches should be rounded up to a whole number of even pitches. Avoid odd numbers of pitches because this involves the use of an offset link which is undesirable. Remember, offset links offer only 80 % of the breaking load and 60 % of the fatigue load.

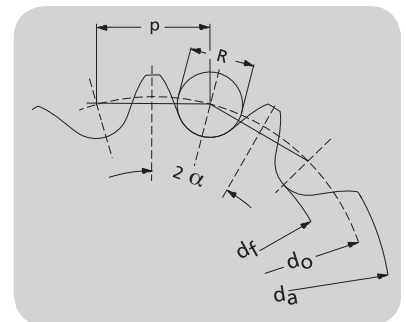
Centre distances recommended see page A95.

Pitch circle diameter calculation (pcd)

$$d_o = \frac{P}{\sin \alpha} = \frac{P}{\sin \frac{180^\circ}{z}} = p n$$

Values for n  $d_o = p n$

z	n	z	n	z	n	z	n	z	n	z	n	z	n
6	2,0000	21	6,7095	36	11,4737	51	16,2441	66	21,0164	81	25,7896	96	30,5632
7	2,3048	22	7,0267	37	11,7916	52	16,5622	67	21,3346	82	26,1078	97	30,8815
8	2,6131	23	7,3439	38	12,1096	53	16,8803	68	21,6528	83	26,4260	98	31,1997
9	2,9238	24	7,6613	39	12,4275	54	17,1984	69	21,9710	84	26,7443	99	31,5180
10	3,2361	25	7,9787	40	12,7455	55	17,5166	70	22,2892	85	27,0625	100	31,8362
11	3,5495	26	8,2962	41	13,0635	56	17,8347	71	22,6074	86	27,3808	101	32,1545
12	3,8637	27	8,6138	42	13,3815	57	18,1529	72	22,9256	87	27,6990	102	32,4727
13	4,1786	28	8,9314	43	13,6995	58	18,4710	73	23,2438	88	28,0172	103	32,7910
14	4,4940	29	9,2491	44	14,0176	59	18,7892	74	23,5620	89	28,3355	104	33,1093
15	4,8097	30	9,5668	45	14,3356	60	19,1073	75	23,8802	90	28,6537	105	33,4275
16	5,1258	31	9,8845	46	14,6537	61	19,4255	76	24,1984	91	28,9720	106	33,7458
17	5,4422	32	10,2023	47	14,9717	62	19,7437	77	24,5167	92	29,2902	107	34,0641
18	5,7588	33	10,5201	48	15,2898	63	20,0619	78	24,8349	93	29,6084	108	34,3823
19	6,0755	34	10,8380	49	15,6079	64	20,3800	79	25,1531	94	29,9267	109	34,7006
20	6,3925	35	11,1558	50	15,9260	65	20,6982	80	25,4713	95	30,2449	110	35,0188



Outside diameter  $d_a$

$$\begin{aligned} d_a \text{ Z } 6 - 12 &= d_o + 0.6 R \\ \text{Z } 13 - 25 &= d_o + 0.7 R \\ \text{Z } > 25 &= d_o + 0.8 R \end{aligned}$$

Bottom diameter  $d_f$

$$d_f = d_o - R$$

Tolerance h11

Width of teeth for single strand chain  $B_1$

$$B_1 = W \cdot 0.9$$



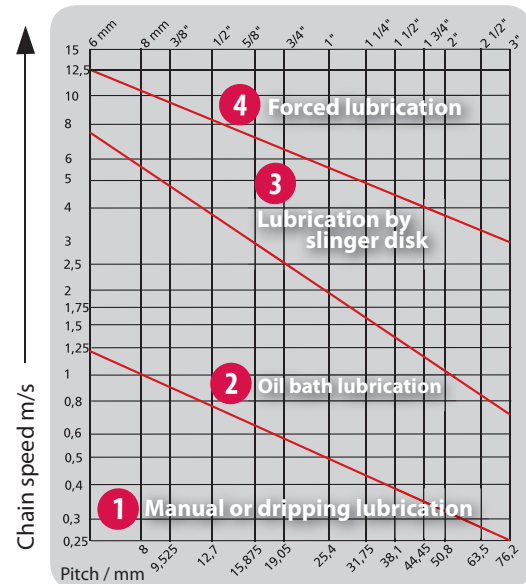
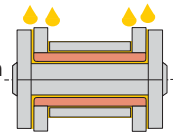
# Formules and parameters

Description	Symbol	Unit	Basic equations
rpm	n	min <sup>-1</sup>	$n = \frac{60000 \cdot v}{d_o \cdot p} \sim \frac{60000 \cdot v}{z \cdot p}$
Total Service correction factor	f <sub>G</sub>		$f_G = f_y \cdot f_z \cdot f_i \cdot f_a \cdot f_l$
Torque	M	Nm	$M = \frac{9550P}{n} = \frac{F \cdot d_o}{2000}$
Power	P	kW	$P = \frac{F \cdot v}{1000} = \frac{M \cdot n}{9550}$
Power diagram	P <sub>D</sub>	kW	$P_D = P \cdot f_G$
Chain load	F	N	$F = \frac{1000 \cdot P}{v} = \frac{2000 \cdot M}{d_o}$
Tensile strenght (Breaking load)	F <sub>B</sub>	N/LB	
Average tensile strength	F <sub>BA</sub>	N/LB	
Bearing pressure	p <sub>r</sub>	N/mm <sup>2</sup>	$p_r = \frac{F_G}{f}$
Admissible bearing pressure	p <sub>r adm</sub>	N/mm <sup>2</sup>	$p_{r zul} = \frac{p_{r zul Diagram}}{f_i}$
Speed	v	m/s	$v = \frac{1000 \cdot P}{F} = \frac{d_o \cdot p \cdot n}{60000} \sim \frac{z \cdot p \cdot n}{60000}$
Pitch diameter	d <sub>o</sub>	mm	$d_o = \frac{P}{\sin \frac{180^\circ}{z}} \sim \frac{z \cdot P}{p}$
Pitch	p	mm	
Drive ratio	i		$i = \frac{n^1}{n^2} = \frac{z^2}{z^1}$
Centre distance	a	mm	
Number of teeth	z		
Number of links	X		
Dynamic chain load	F <sub>dyn</sub>	N	$F_{dyn} = F \cdot f_y$
Centrifugal force	F <sub>F</sub>	N	$F_F = q \cdot v^2$
Total load	F <sub>G</sub>	N	$F_G = F_{dyn} + F_F$
Chain weight	q	kg/m	
Service factor	f <sub>y</sub>		
Transmission ratio	f <sub>i</sub>		
Centre distance factor	f <sub>a</sub>		
Sprocket size factor	f <sub>z</sub>		
Lubrication factor	f <sub>l</sub>		
Fatigue strength	F <sub>D</sub>	N	
Rated working load	F <sub>adm</sub>	N	
Safety factor (static)	S <sub>stat</sub>		$S_{stat} = \frac{F_B}{F_G}$
Safety factor (dynamic)	S <sub>dyn</sub>		$S_{dyn} = \frac{F_D}{F_G}$

1 kW = 1,34 HP 1 HP = 0,746 kW 1N = 0,102 kg 1kg = 9,8 N

## Lubrication

Recommendations for lubrication



Correct lubrication depends on the working environment, temperature, chain speed and the type of lubrication. For most applications in the temperature range of - 8 to + 80 °C a mineral or synthetic, non-detergent, multigrade SAE 20/50 oil is recommended. Grease lubrication is generally considered unsuitable for roller chains.

### f<sub>l</sub> Relevant lubrication factor

Chain speed = v m/s	< 4	4-7	> 7
Lubrication			
Good	1	1	1
Insufficient, non-polluted	1,4	2,5	N
Insufficient, contaminated	2,5	4	N
Not lubricated	5	N	N

### f<sub>i</sub> Transmission ratio factor

i	1:1	2:1	3:1	5:1	7:1
f <sub>i</sub>	1,22	1,08	1	0,92	0,86

### f<sub>a</sub> Transmission ratio factor

a/p	20	40	60	80	160	a = in number of links
f <sub>a</sub>	1,18	1	0,91	0,87	0,69	

### Centre distances recommended

Pitch	inch	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"
	mm	9,525	12,7	15,88	19,05	25,4	31,75
<b>a</b>	mm	450	600	750	900	1000	1200
Pitch	inch	1 1/2"	1 3/4"	2"	2 1/2"	3"	
	mm	38,1	44,45	50,8	63,5	76,2	
<b>a</b>	mm	1350	1500	1700	1800	2000	