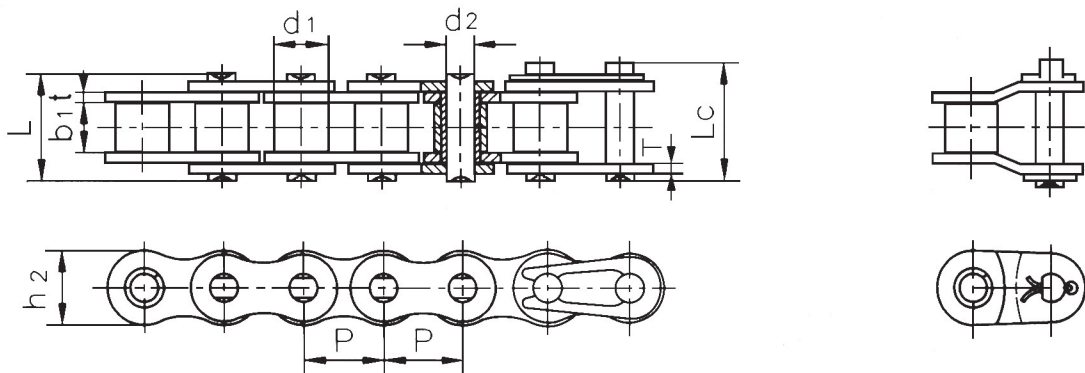




Short pitch precision roller chains (B series)



Simplex roller chains

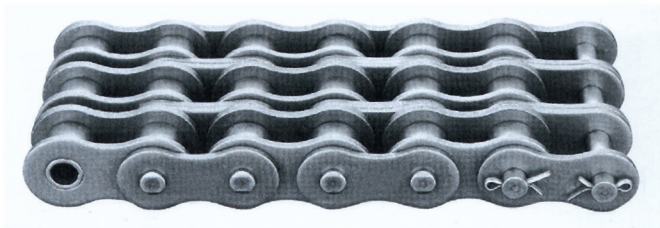


DIN/ISO Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	Plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d ₁ max	b ₁ min	d ₂ max	L max	L _c max	h ₂ max	t/T max	Q _{min}	Q ₀	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
04B-1	6.000	4.00	2.80	1.85	6.80	7.8	5.00	0.60	3.0/682	3.2	0.11
05B-1	8.000	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	12.700	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	19.050	12.07	11.68	5.72	22.50	24.2	16.00	1.85	29.0/6591	32.2	1.15
16B-1	25.400	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	31.750	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	38.100	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	44.450	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	50.800	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	63.500	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	76.200	48.26	45.72	29.24	99.10	107.0	63.80	12/10	560.0/127272	621.6	25.00

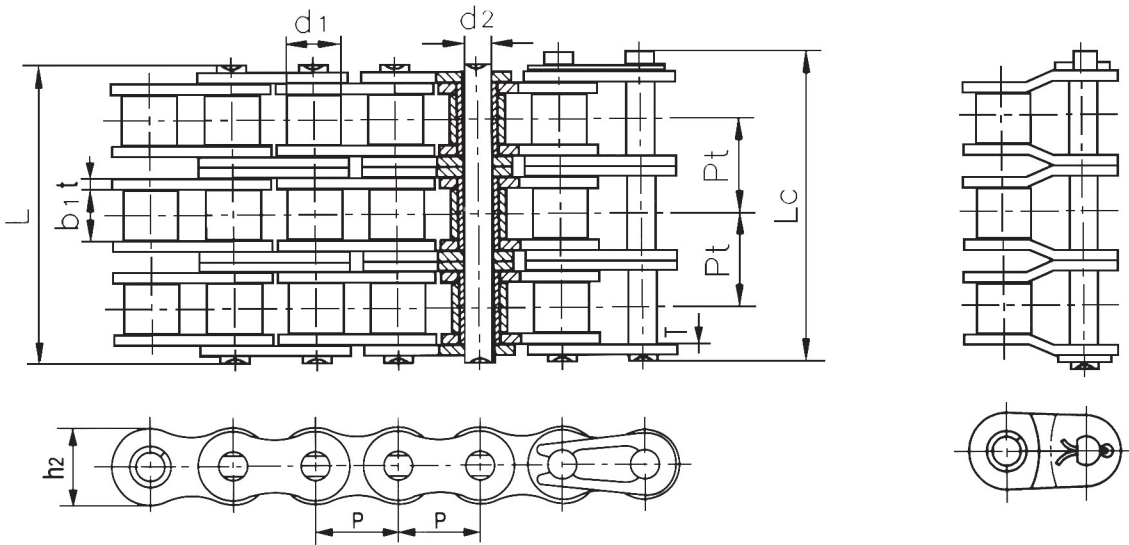
*Straight side plates



Short pitch precision roller chains (B series)



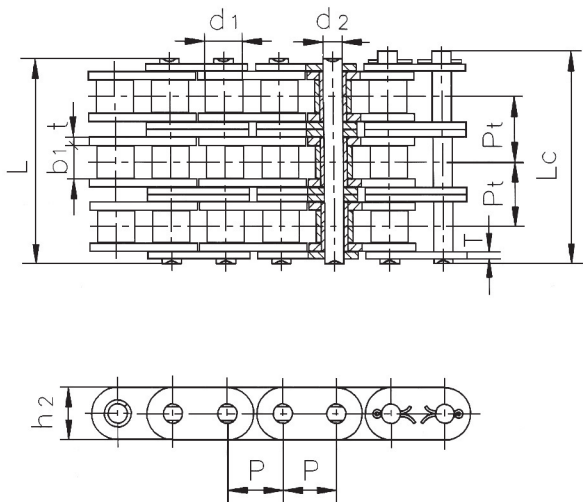
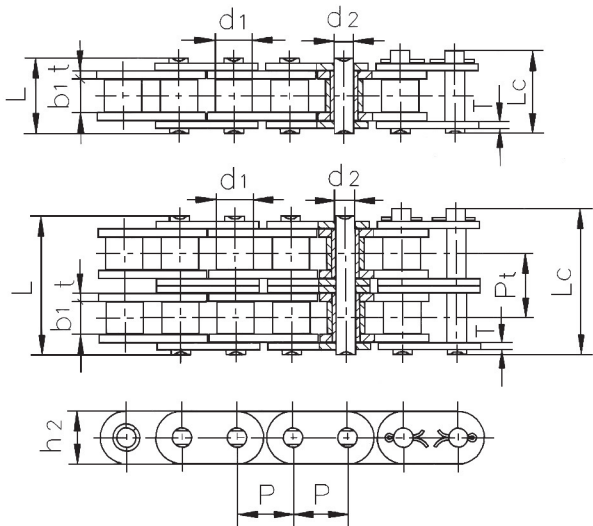
Triplex roller chains



DIN/ISO Chain No.	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
	P	d_1 max	b_1 min	d_2 max	L max	L_c max	h_2 max	t/T max	P_t	Q min	Q_0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
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	12/10	91.21	1500.0/340909	1710.0	75.00

*Straight side plates

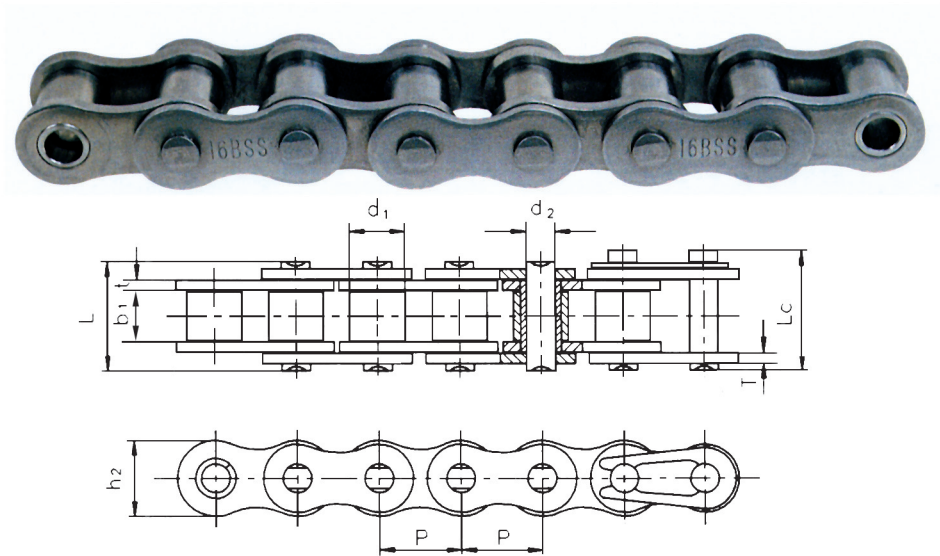
Roller chains with straight side plates (B series)



DIN/ISO Chain No.	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
	P	d_1 max	b_1 min	d_2 max	L max	L_c max	h_2 max	t/T max	P_t	Q min	Q_0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
C08B-1	12.700	8.51	7.75	4.45	16.7	18.2	11.8	1.60		18.0/4091	19.5	0.80
C10B-1	15.875	10.16	9.65	5.08	19.5	20.9	14.7	1.70		22.4/5091	27.9	1.06
C12B-1	19.050	12.07	11.68	5.72	22.5	25.2	16.0	1.85		29.0/6591	32.2	1.32
C16B-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
C20B-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
C24B-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
C28B-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
C32B-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
C08B-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
C10B-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
C12B-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
C16B-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
C20B-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
C24B-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
C28B-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
C32B-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
C08B-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
C10B-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
C12B-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
C16B-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
C20B-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
C24B-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
C28B-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
C32B-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

Stainless steel chains

Stainless steel chains are suitable for corrosive conditions involving food, chemicals, pharmaceuticals, etc. also suitable for high and low temperature conditions.



Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d ₁ max	b ₁ min	d ₂ max	L max	L _c max	h ₂ max	t/T max	Q _{min}	Q ₀	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	KN	kg/m
*25SS	6.350	3.30	3.18	2.31	7.9	8.4	6.00	0.8	2.5/568	2.8	0.15
*35SS	9.525	5.08	4.77	3.58	12.4	13.17	9.00	1.30	5.5/1250	6.6	0.33
40SS	12.700	7.95	7.85	3.96	16.6	17.8	12.00	1.50	9.6/2182	10.8	0.63
50SS	15.875	10.16	9.40	5.08	20.7	22.2	15.09	2.03	15.2/3455	17.2	1.03
60SS	19.050	11.91	12.57	5.94	25.9	27.7	18.00	2.42	21.7/4932	26.4	1.51
80SS	25.400	15.88	15.75	7.92	32.7	35.0	24.00	3.25	38.9/8841	46.6	2.62
100SS	31.750	19.05	18.90	9.53	40.4	44.7	30.00	4.00	60.0/13636	70.2	3.94
120SS	38.100	22.23	25.22	11.10	50.3	54.3	35.70	4.8	88.9/20204	104.8	5.72
04BSS	6.000	4.00	2.80	1.85	6.80	7.8	5.00	0.60	2.0/455	2.4	0.11
05BSS	8.000	5.00	3.00	2.31	8.20	8.9	7.10	0.80	3.5/795	4.1	0.20
#06BSS	9.525	6.35	5.72	3.28	13.15	14.1	8.20	1.30	6.2/1409	6.8	0.41
08BSS	12.700	8.51	7.75	4.45	16.7	18.2	11.80	1.60	12.0/2727	14.3	0.70
10BSS	15.875	10.16	9.65	5.08	19.5	20.9	14.70	1.70	14.5/3295	17.2	0.94
12BSS	19.050	12.07	11.68	5.72	22.5	24.2	16.00	1.85	18.5/4205	20.9	1.16
16BSS	25.400	15.88	17.02	8.28	36.1	37.4	21.00	4.15/3.1	40.0/9091	47.6	2.73
20BSS	31.750	19.05	19.56	10.19	41.3	45.0	26.40	4.5/3.5	59.0/13409	69.6	3.73
24BSS	38.100	25.40	25.40	14.63	53.4	57.8	33.20	6.0/4.8	112.0/25454	126.6	7.20

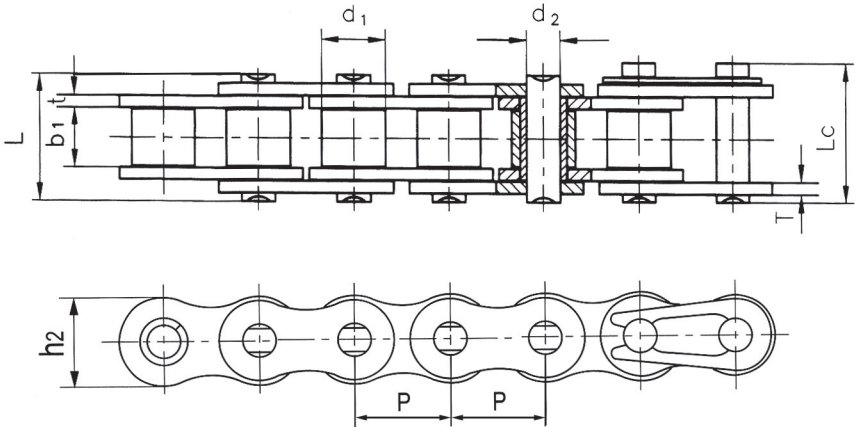
*Bushing chain: d₁ in the table indicate the external diameter of the bushing.

#Straight side plates



Nickel-plated chains

Nickel-plated chains are suitable for outdoor conditions such as exposure to rain



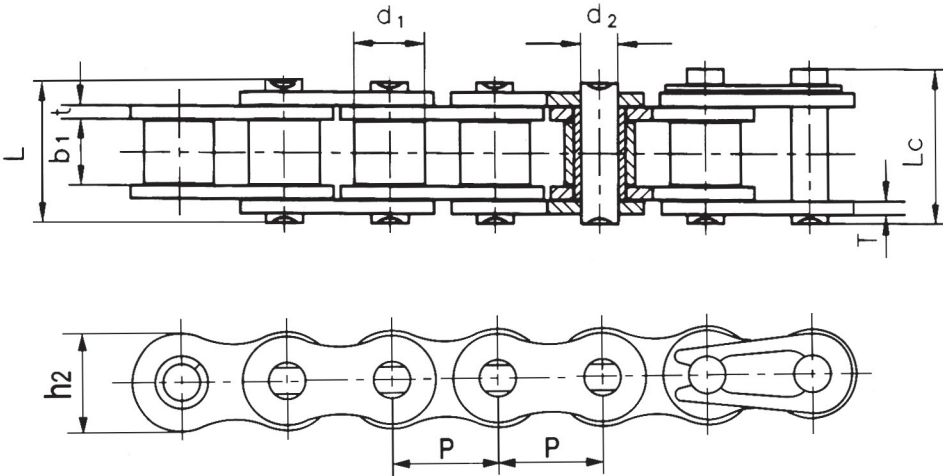
Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d ₁ max	b ₁ min	d ₂ max	L max	L _c max	h ₂ max	t/T max	min	Q ₀	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
*25NP	6.350	3.30	3.18	2.31	7.90	8.40	6.00	0.80	3.50/795	4.6	0.15
*35NP	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.30	7.90/1795	10.8	0.33
41NP	12.700	7.77	6.25	3.58	13.75	15.00	9.91	1.30	6.67/1516	12.6	0.41
40NP	12.700	7.95	7.85	3.96	16.60	17.80	12.00	1.50	14.10/3205	17.5	0.62
50NP	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.03	22.20/5045	29.4	1.02
60NP	19.050	11.91	12.57	5.94	25.90	27.70	18.00	2.42	31.80/7227	41.5	1.50
80NP	25.400	15.88	15.75	7.92	32.70	35.00	24.00	3.25	56.70/12886	69.4	2.60
100NP	31.750	19.05	18.90	9.53	40.40	44.70	30.00	4.00	88.50/20114	109.2	3.91
04BNP	6.000	4.00	2.80	1.85	6.80	7.80	5.00	0.60	3.00/682	3.2	0.11
05BNP	8.000	5.00	3.00	2.31	8.20	8.90	7.10	0.80	5.00/1137	5.9	0.20
#06BNP	9.525	6.35	5.72	3.28	13.15	14.10	8.20	1.30	9.00/2045	10.4	0.41
08BNP	12.700	8.51	7.75	4.45	16.70	18.20	11.80	1.60	18.00/4091	19.4	0.69
10BNP	15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70	22.40/5091	27.5	0.93
12BNP	19.050	12.07	11.68	5.72	22.50	24.20	16.00	1.85	29.00/6591	32.2	1.15
16BNP	25.400	15.88	17.02	8.28	36.10	37.40	21.00	4.15/3.1	60.00/13636	72.8	2.71
20BNP	31.750	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5	95.00/21591	106.7	3.70

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

#Straight side plates

Note: Double strand nickel plated chains are available in all sizes except 41 chain.
Double pitch nickel plated conveyor chains are available upon request.

Zinc-plated chains



Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate depth	plate thickness	Ultimate tensile strength	Average tensile strength	Weight per meter
	P	d ₁ max	b ₁ min	d ₂ max	L max	L _c max	h ₂ max	t/T max	Q min	Q ₀	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN/LB	kN	kg/m
*25ZP	6.350	3.30	3.18	2.31	7.90	8.40	6.00	0.80	3.50/795	4.6	0.14
*35ZP	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.30	7.90/1795	10.8	0.33
41ZP	12.700	7.77	6.25	3.58	13.75	15.00	9.91	1.30	6.67/1516	12.6	0.41
40ZP	12.700	7.95	7.85	3.96	16.60	17.80	12.00	1.50	14.10/3205	17.5	0.62
50ZP	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.03	22.20/5045	29.4	1.02
60ZP	19.050	11.91	12.57	5.94	25.90	27.70	18.00	2.42	31.80/7227	41.5	1.50
80ZP	25.400	15.88	15.75	7.92	32.70	35.00	24.00	3.25	56.70/12886	69.4	2.60
100ZP	31.750	19.05	18.90	9.53	40.40	44.70	30.00	4.00	88.50/20114	109.2	3.91
04BZP	6.000	4.00	2.80	1.85	6.80	7.80	5.00	0.60	3.00/682	3.2	0.11
05BZP	8.000	5.00	3.00	2.31	8.20	8.90	7.10	0.80	5.00/1136	5.9	0.20
#06BZP	9.525	6.35	5.72	3.28	13.15	14.10	8.20	1.30	9.00/2045	10.4	0.41
08BZP	12.700	8.51	7.75	4.45	16.70	18.20	11.80	1.60	18.00/4091	19.4	0.69
10BZP	15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70	22.40/5091	27.5	0.93
12BZP	19.050	12.07	11.68	5.72	22.50	24.20	16.00	1.85	29.00/6591	32.2	1.15
16BZP	25.400	15.88	17.02	8.28	36.10	37.40	21.00	4.15/3.1	60.00/13636	72.8	2.71
20BZP	31.750	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5	95.00/21591	106.7	3.70

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

#Straight side plates

Note: Double strand zinc plated chains are available in all sizes except 41 chain.

Double pitch zinc plated conveyor chains are available upon request.