



ESCALATOR CHAIN

MOTION PLUS CORPORATION

Motion Plus Corporation

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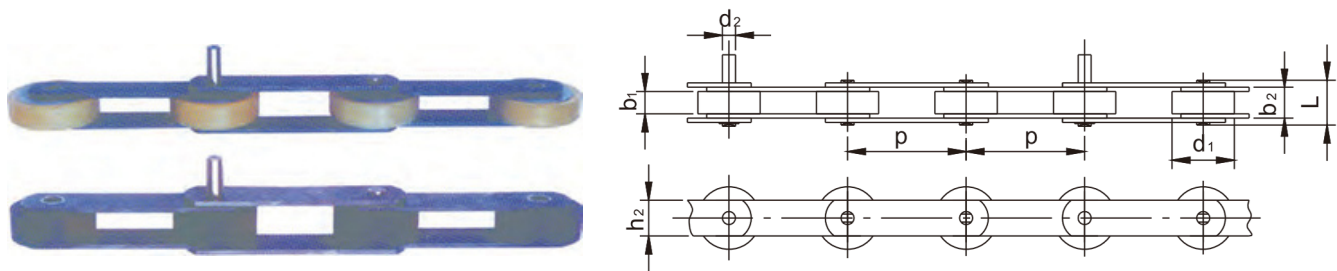
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Commercial Escalator Step Chains

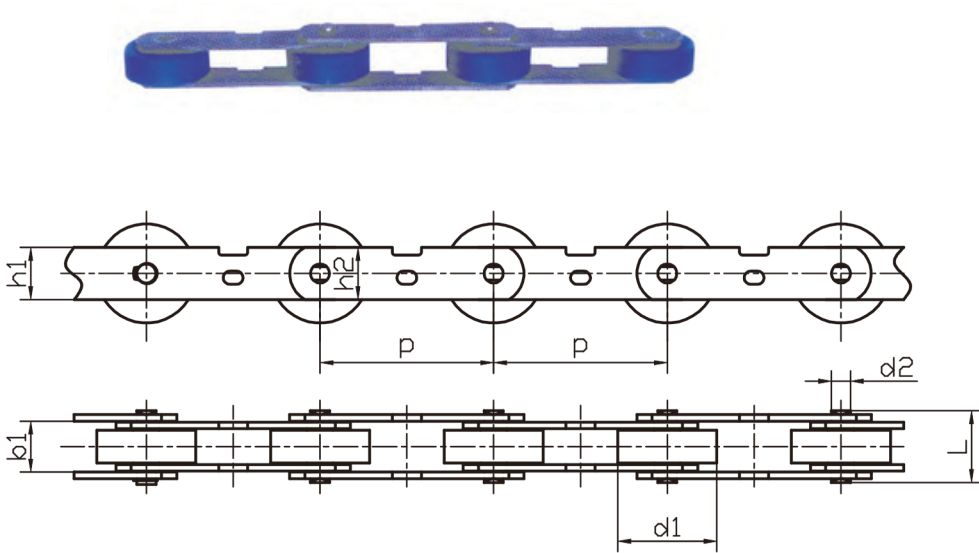
Escalator Step Chains



Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Inner chain plate height	Outer chain plate height	Pin length	Ultimate tensile strength	Attachment type	One-step link no.	Distance between steps
	P	d1	b1 min	d2 max	h1	h2	L max	Q min			
	mm	mm	mm	mm	mm	mm	mm	kN			mm
TL133P2a	133.33	76	27	12.67	35	25	49.9	75	D	3	400
TL133w2	133.33	70	27	14.63	35	35	51.7	80	D	3	400
TL133b	133.33	70	27	14.63	35	30	56.5	90	D	3	400
TL133w1	133.33	70	27	14.63	35	30	56.5	125	D	3	400
TL133	133.33	70	27	14.63	40	35	56.5	180	D	3	400
TL133w3	133.33	80	27	20	45	40	57.8	180	D	3	400
TL133Hs	133.33	76	27	22	50	50	56.5	200	D	3	400
TL133H	133.33	80	27	24	50	45	56.5	225	D	3	400
TL133Hy	133.33	76	27	25	50	50	63	255	D	3	400
TL135xa	135.47	76.2	23.6	12.7	35	26	50.2	70	D	3	406.4
TL135	135.47	76.2	22.3	12.8	32	32	50.3	123	D	3	406.4
TL135x	135.47	76.2	23.6	15	35	30	52.2	90	D	3	406.4
	135.47	76.2	23.6	15	35	30	52.2	123	D	3	406.4
TL135Hx1	135.47	76.2	23.6	20	45	45	51.1	150	D	3	406.4
TL135Hx	135.47	76.2	23.6	25	45	45	54.1	200	D	3	406.4

Commercial Escalator Step Chains

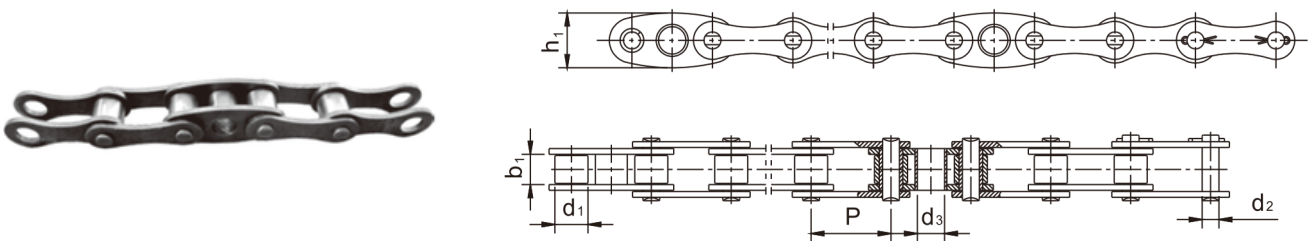
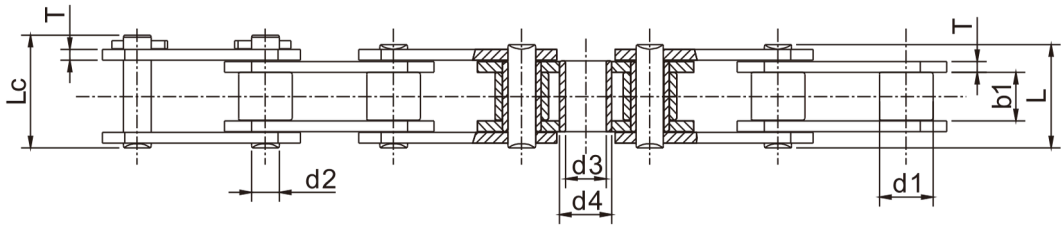
Auto passage conveyor chains



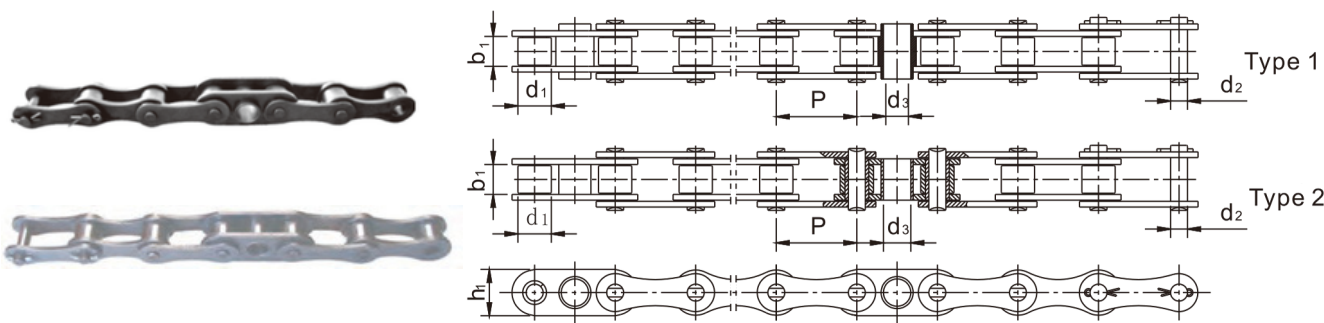
Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Inner chain plate height	Outer chain plate height	Pin length	Ultimate tensile strength
	P	d1	b1 min	d2 max	h1	h2	L max	Q min
	mm	mm	mm	mm	mm	mm	mm	kN
RL133	133.33	70	27	14.63	40	40	56.5	130
	133.33	70	27	14.63	40	40	56.5	180
RL133H	133.33	80	27	24	50	50	56.5	220
RL135	134.5	70	27	14.63	40	40	56.5	130
	134.5	70	27	14.63	40	40	56.5	180

Commercial Escalator Step Chains

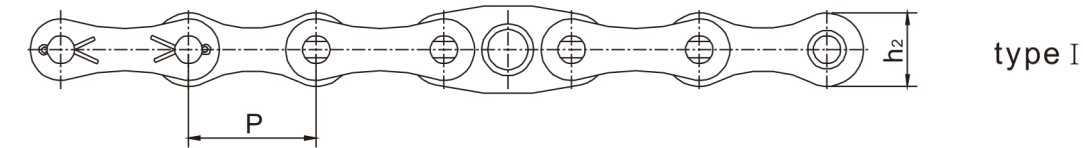
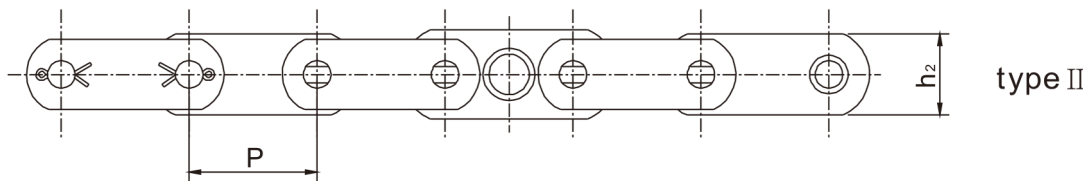
Commercial Escalator Step Chains



Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Inner plate depth	Inner diameter of bush	Ultimate tensile strength
	P	d ₁ max	b ₁ min	d ₂ max	h ₁ max	d ₃ min	Q min
	mm	mm	mm	mm	mm	mm	N/kgf
Y899HC	67.733	28	25.215	14.29	46	23	88260/9000
Y899HD	67.733	28	25.215	14.29	46	23	147100/15000
T67	67.733	28	25.4	14.27	46	21	88260/9000
T67G	67.733	28	25.4	14.27	46	21	147100/15000
F-9	67.6	28	25.4	14.29	-	21	88260/9000
F-14	67.6	28	25.4	14.29	-	21	137200/14000
g-9	66.6	25.4	20.6	9.54	-	20	88260/9000

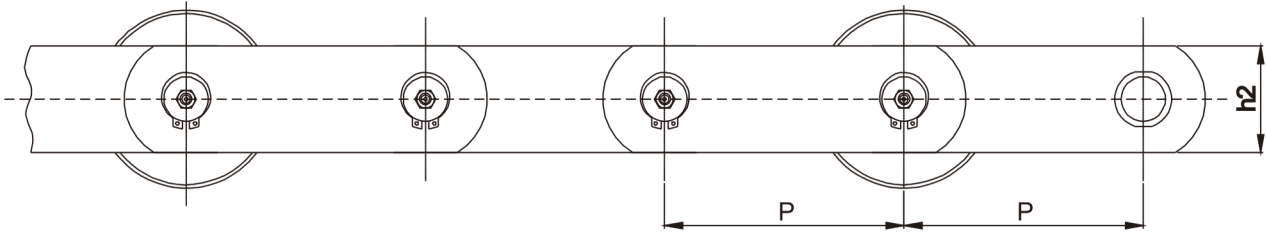
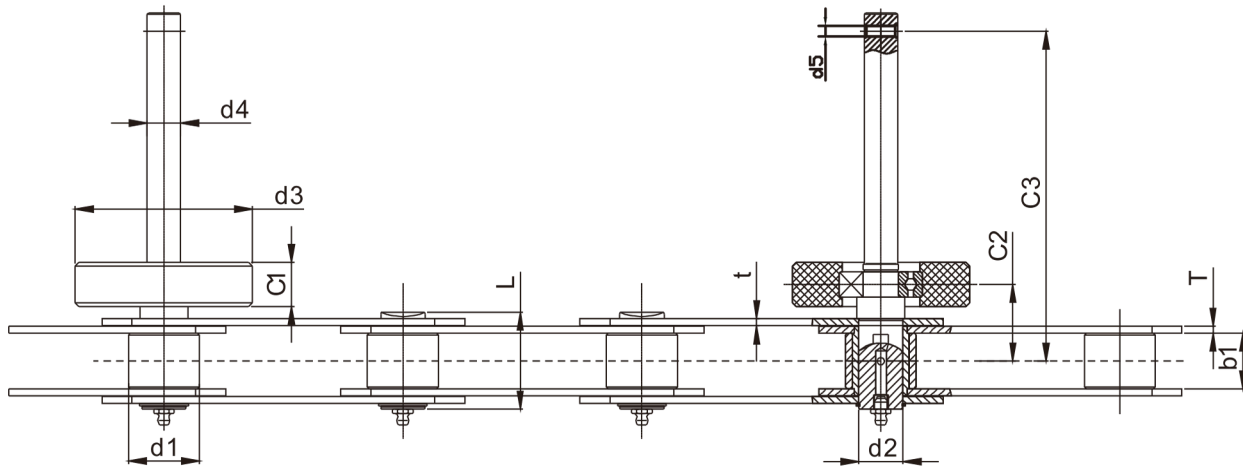


Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Inner plate depth	Inner diameter of bush	Ultimate tensile strength
	P	d ₁ max	b ₁ min	d ₂ max	h ₁ max	d ₃ min	Q min
	mm	mm	mm	mm	mm	mm	N/kgf
T68	68.40	32.00	20.70	14.29	45.40	23.50	127500/13000
T68A	68.40	28.00	20.70	12.70	44.90	21.00	98000/10000
1-20	81.28	39.69	38.10	19.84	-	24.00	196000/20000
1-28	81.28	39.69	38.10	19.84	-	24.00	274400/28000
g-12.7	81.28	31.75	31.75	12.70	-	20.828	124460/12700



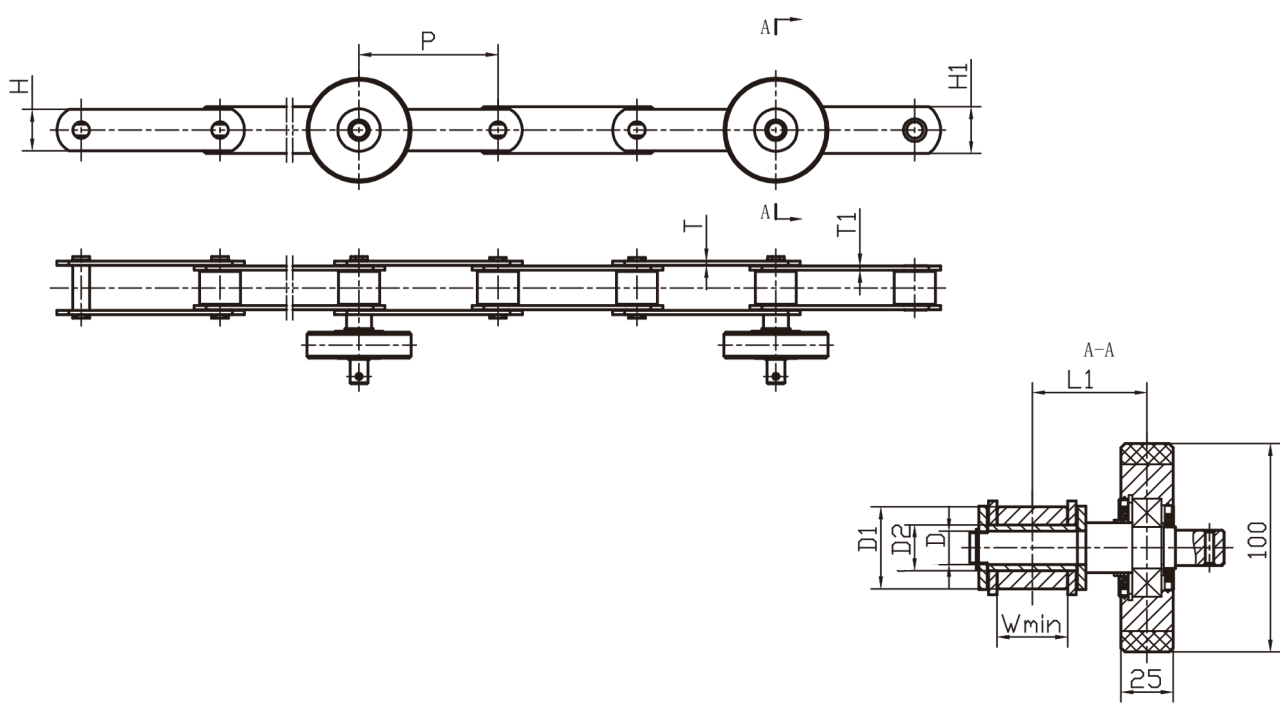
Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Plate depth	Plate thickness	Inner diameter of bush	Outer diameter of bush	Ultimate tensile strength	One-step link no.	Distance between steps	type
	P	d ₁ max	b ₁ min	d ₂ max	L max	Lc max	h ₂ max	T	d ₃	d ₄	Q min			
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN			
T66	66.667	28	25.4	14.29	51.4	56	38	4.8	21	27	147	6	400	I
T66H	66.667	28	25.4	14.29	54.1	59.1	42.2	5.6	21	27	215.6	6	400	II

Public Transport Escalator Chains



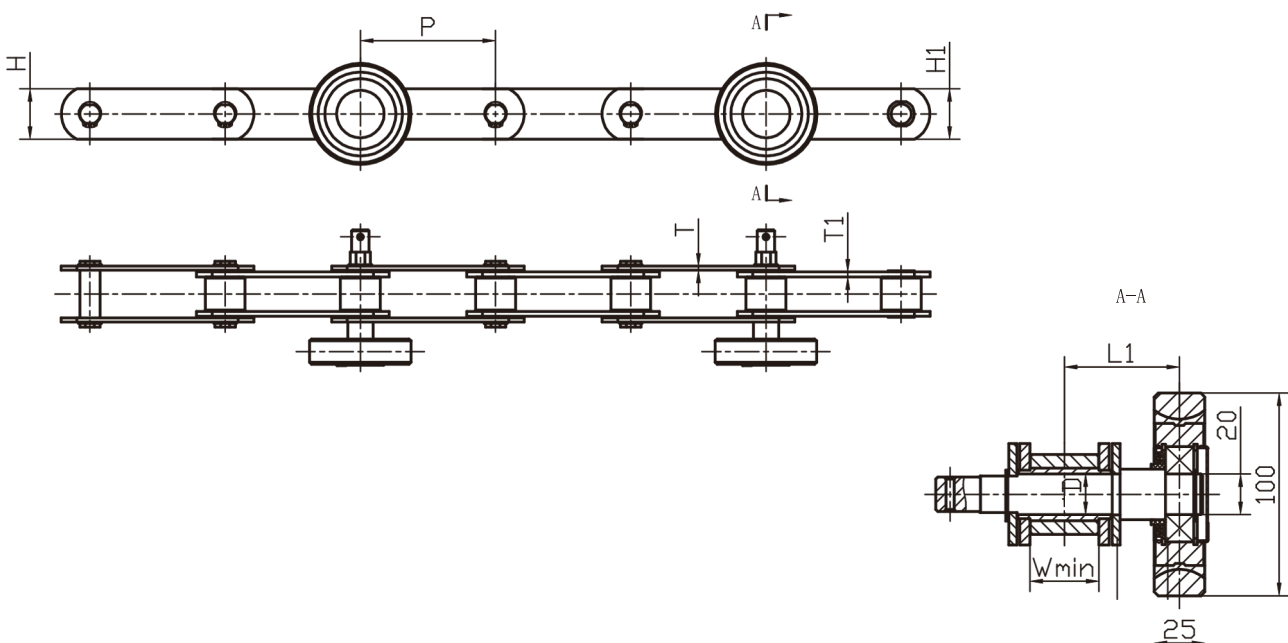
Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Plate depth	Plate thickness	Diameter chart						Ultimate tensile strength	One-step link no.	Distance between steps
	P	d ₁ max	b ₁ min	d ₂ max	L max	h ₂ max	T/t	d3	d4	d5	C1	C2	C3	Q min		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN		mm
TL135Ha	135	54	31.3	40	61.6	75	5	100	19	6.2	25	43	185.6	320	3	405
TL135Hb	135	40	31.3	26	57.6	60	4.5	100	19	6.2	25	43	185.6	205	3	405
TL135Hc	135	54	31.3	32.5	60	75	5	100	19	6.2	25	43	185.6	270	3	405
TL135Hd	135	54	31.3	40.2	65.75	75	7/5.5	100	19	6.2	25	43	185.6	408	3	405

Public Transport Escalator Chains



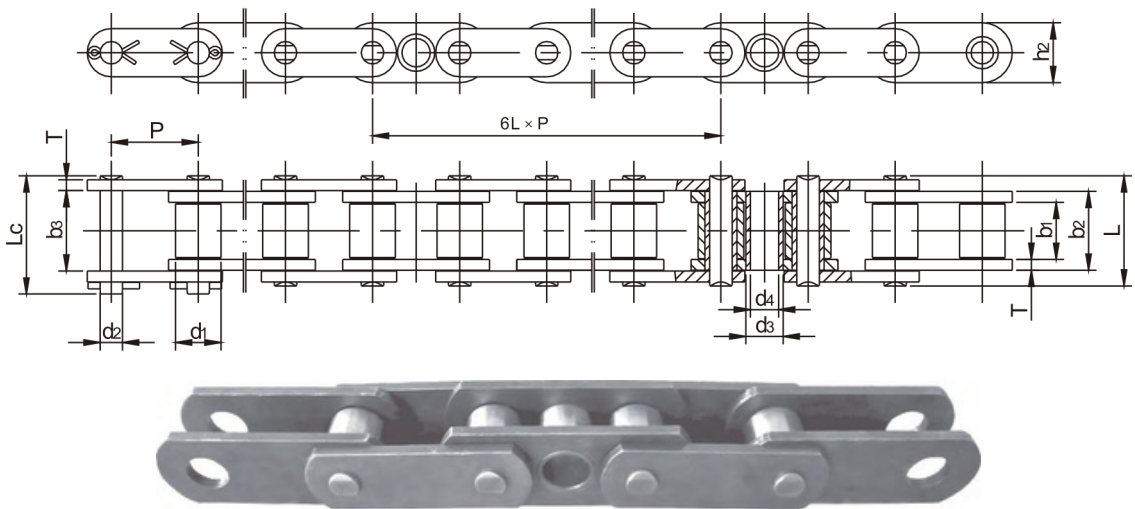
Chain No.	Pitch	Dimension chart									Ultimate tensile strength
	P	Ø D	Ø D1 *	Ø D2	W *	T	T1	H	H1	L1 *	
TL133w3c	133.33	20	39.37	26	34	5	5	40	45	55	130000
	133.33	20	39.37	26	34	5	5	40	45	55	180000
TL133Hqb3	133.33	20	39.37	26	34	5	5	45	50	55	200000
TL133Hqb5	133.33	20	39.37	26	34	5	5	45	50	52.5	200000
TL133Hqb16	133.33	22	39.37	26	34	5	6	50	50	55	230000
TL133Hqc1b	133.33	22	39.37	30	34	5	6	50	50	52.5	260000
TL133Hqc1e	133.33	22	39.37	30	34	5	6	50	50	55	260000
TL133Hqc1d	133.33	22	39.37	30	34	5	6	50	50	60	260000
TL133Hqd9a	133.33	35	63.5	43	34	6	7	70	70	52.5	350000
TL133Hqd6a	133.33	35	63.5	43	34	6	6	75	75	52.5	400000
TL133Hmc	133.33	40	55	47	34	7	8	75	75	52	500000
TL133Hqd3	133.33	36	63.5	43	34	8	8	75	75	52.5	520000
TL133Hmc2	133.33	58.5	84	70	60	12	14	110	110	82	960000

Public Transport Escalator Chains

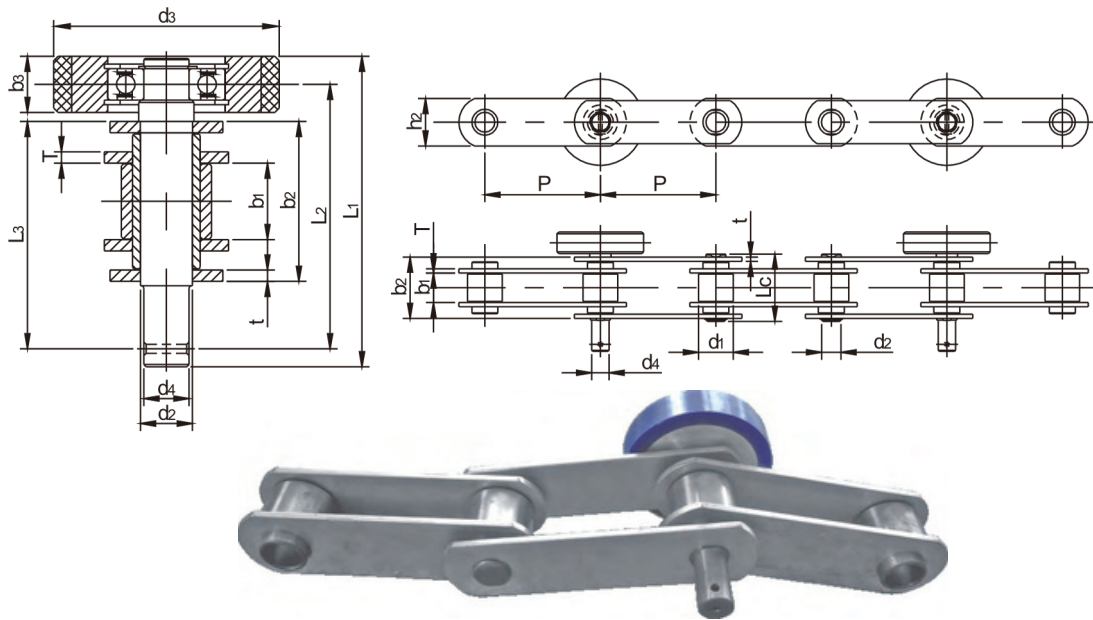


Chain No.	Pitch	Dimension chart									Ultimate tensile strength
	P	Ø D	Ø D1 *	Ø D2	W *	T	T1	H	H1	L1 *	
TL133w3cy	133.3	20	39.37	26	34	5	5	40	45	55	130000
	133.3	20	39.37	26	34	5	5	40	45	55	180000
TL133Hx4	133.3	20	45	26	28	5	5	45	50	41	180000
TL133Hqb	133.3	20	40	26	26.8	5	5	55	60	40.5	200000
TL133Hqb1	133.3	20	39.37	26	34	5	5	45	50	55	200000
TL133H2	133.3	20	39.37	26	34	5	5	45	50	46.5	200000
TL133Hq	133.3	25	45	35	27	5	6	70	70	40.5	250000
TL133Hqc1	133.3	22	39.37	30	34	5	6	50	50	55	260000
TL133Hc1	133.3	23	39.37	30	33.7	5	5	55	55	46.5	260000
TL133Hx2	133.3	25	45	35	28	5	6	60	60	41	280000
TL133Hqa	133.3	35	55	45	26.8	5	6	80	80	40.5	350000
TL133Hqd9	133.3	35	52.3	43	34	6	7	70	70	56.8	350000
TL133Hqd6	133.3	35	55	43	34	6	6	75	75	46.5	400000
TL133Hqa2	133.3	40	55	47	26.8	5	6	80	80	40.5	400000
TL133Hqd10	133.3	35	52.3	43	54	7	7	70	80	66.8	480000
TL133Hma	133.3	40	55	47	33.7	7	8	75	75	51.5	500000
TL133Hqd3y	133.3	36	63.5	43	34	8	8	75	75	55	520000

Public Transport Escalator Chains

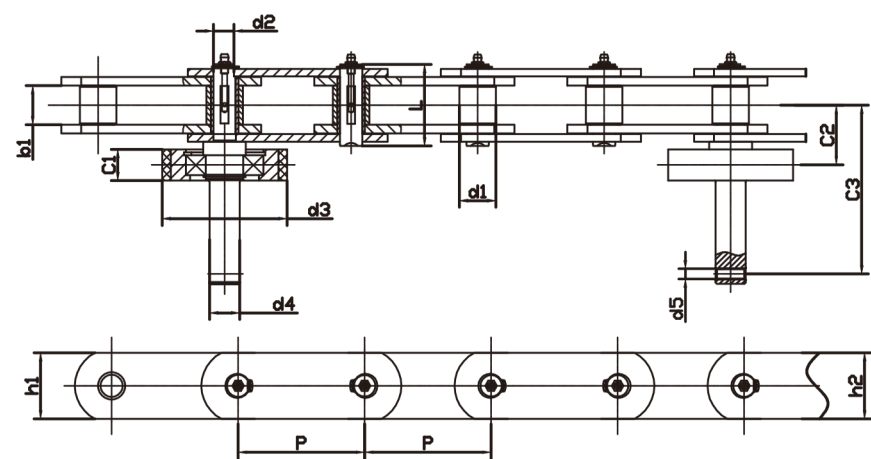


Chain No.	Pitch	Dimension chart											Ultimate tensile strength	Weight per meter
	P	d1 max	d2 max	d3	d4	b1 min	b2 max	b3 min	h2 max	L max	Lc max	T	Qs kN	q kg/m
TL67.73	67.73	35.4	17.46	29	22	43.3	61.3	62.3	46.4	85.5	91.8	8.5	274.4	13.5



Chain No.	Pitch	Dimension chart														Ultimate tensile strength
	P	d1 max	d2 max	d3	d4	b1 min	b2 max	b3	h2 max	Lc max	T/t	L1	L2	L3	Qs kN	
TL133Hc	133.33	45	23	100	20	33.7	71	25	55	78.5	5.0	138	117.5	101	260.0	
TL133Hd	133.33	55	32	100	20	33.7	71	25	75	79	6.0/5.0	138	117.5	101	400.0	
TL133Hm	133.33	55	40	100	20	33.7	71	25	75	79.2	8.0/7.0	138	117.5	101	500.0	

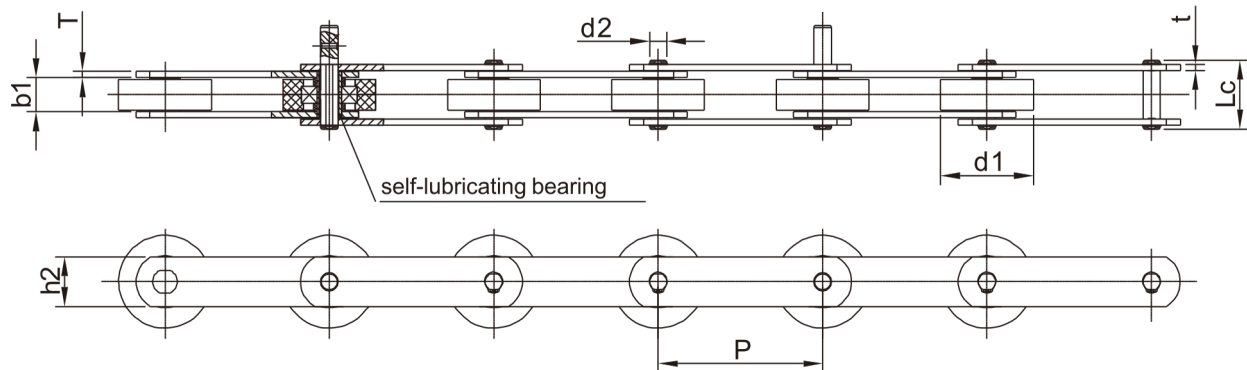
Public Transport Escalator Chains



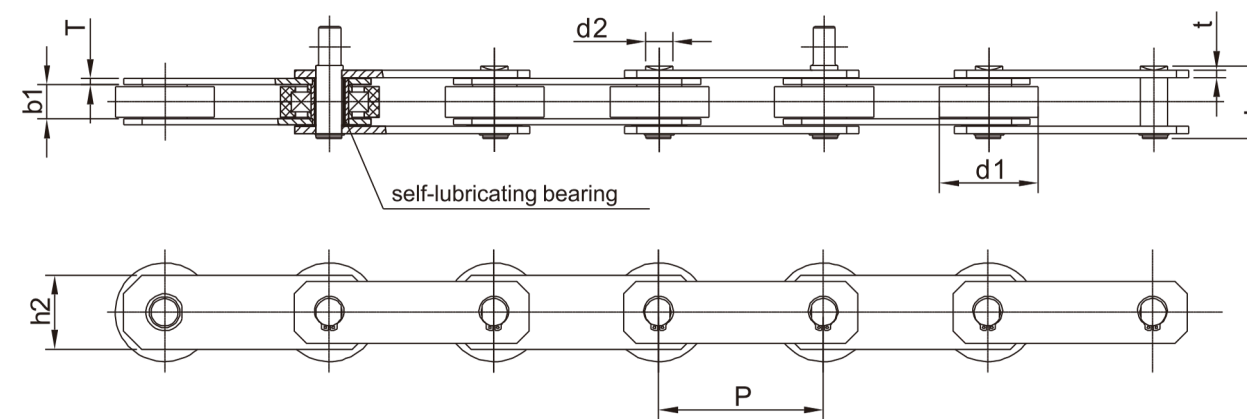
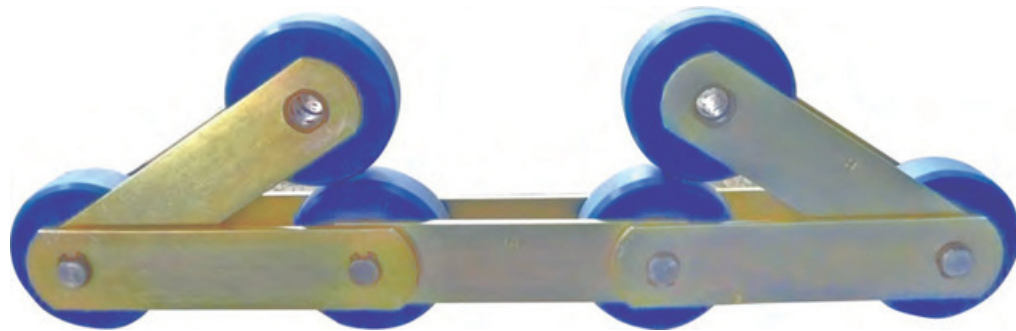
Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Inner chain plate height	Outer chain plate height	Pin length	Dimension chart						Ultimate tensile strength	Attachment type	One-step link no.	Distance between steps
	P	d1	b1 min	d2 max	h1	h2	L max	d3	d4	d5	C1	C2	C3	Q min			
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN			mm
TL101.25	101.25	40	31.3	23	55	50	60.6	100	24	8	25	47.9	159.2	250	D	4	405
TL101.25a	101.25	29.21	31.3	17.78	53	53	65	100	24	8	25	48.3	159.3	245	D	4	405
TL101.25b	101.25	40	31.3	23	53	50	62.65	100	24	8	25	47.65	237.6	245.25	D	4	405
TL101.25c	101.25	40	31.3	25	53	53	64.4	100	24	8	25	49.5	160.8	260	D	4	405
TL101.25d	101.25	29.21	31.3	17.78	46	46	63.8	100	24	8	25	49.65	159.25	166.7	D	4	405
TL101.25e	101.25	40	31.3	23	53	53	62.65	100	24	8	25	48.05	159.3	186	D	4	405
TL101.25g	101.25	40	31.3	23	55	50	60.6	100	24	8	25	48	159.2	250	D	4	405

No maintenance escalator step chains

type I



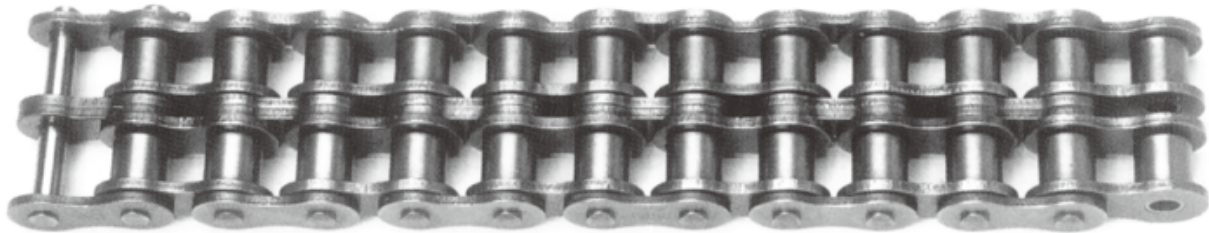
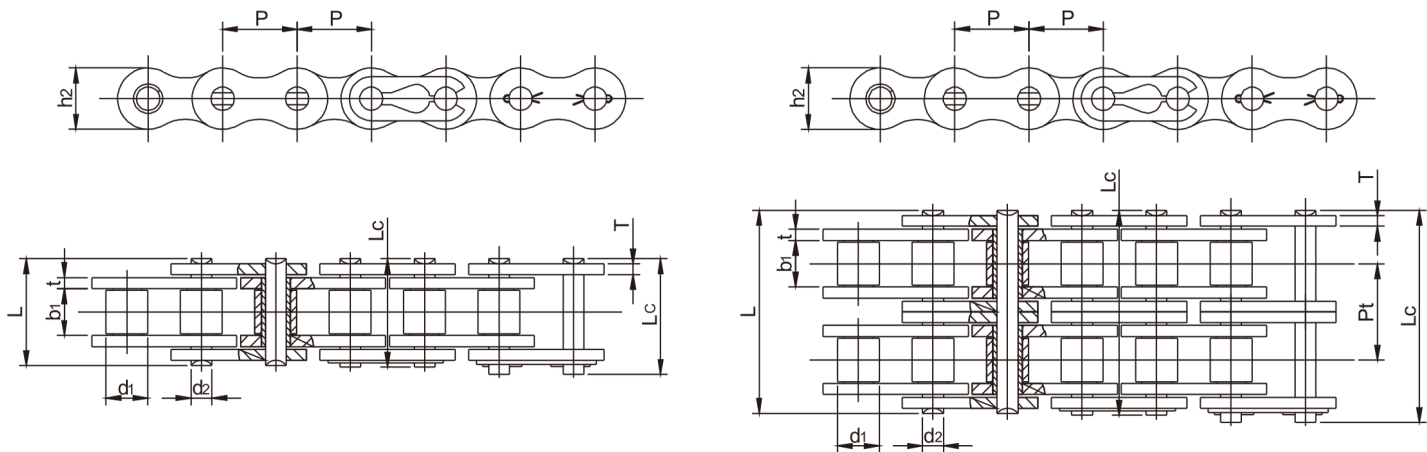
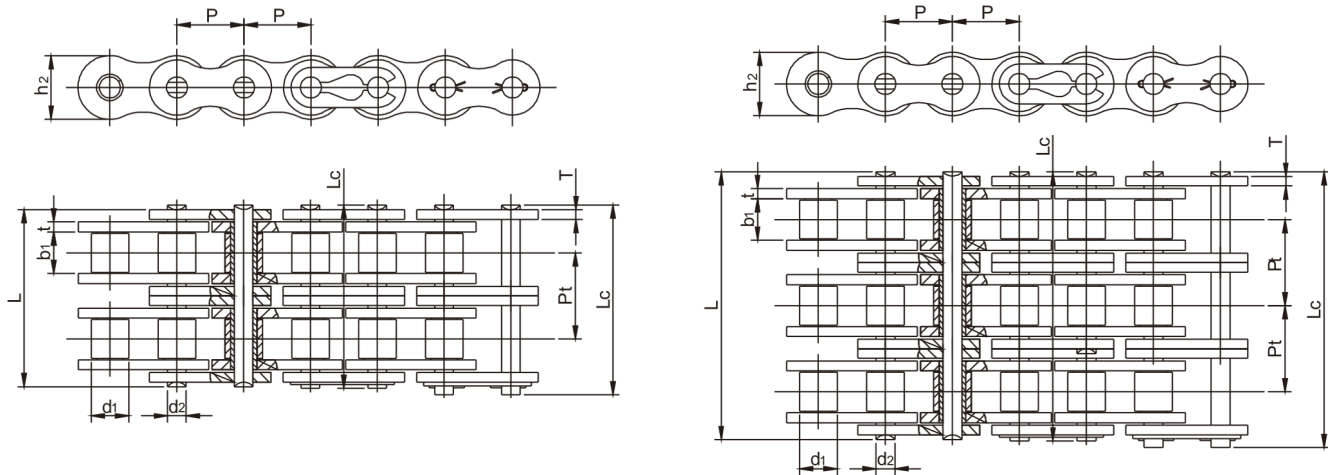
type II



Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length	Plate depth	Plate thickness	Ultimate tensile strength	One-step link no.	Distance between steps	type
	P	d1 max	b1 min	d2 max	Lc max	h2 max	T/t	Q min			
	mm	mm	mm	mm	mm	mm	mm	kN		mm	
TL133c	133.33	75	27	13.85	55.4	40	5	180	3	400	I
TL133Hg	133.33	80	27	22	58.8	60	5/6	230	3	400	II

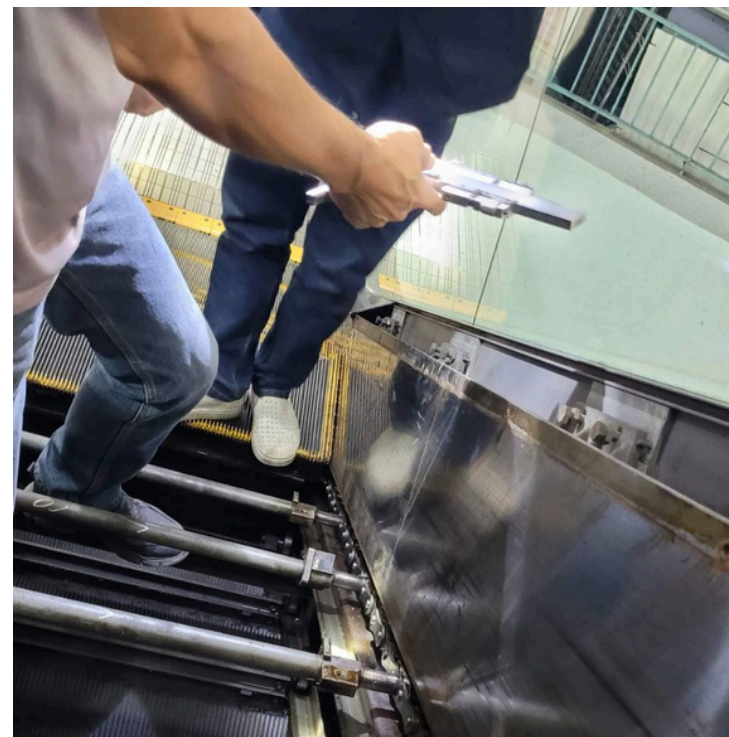
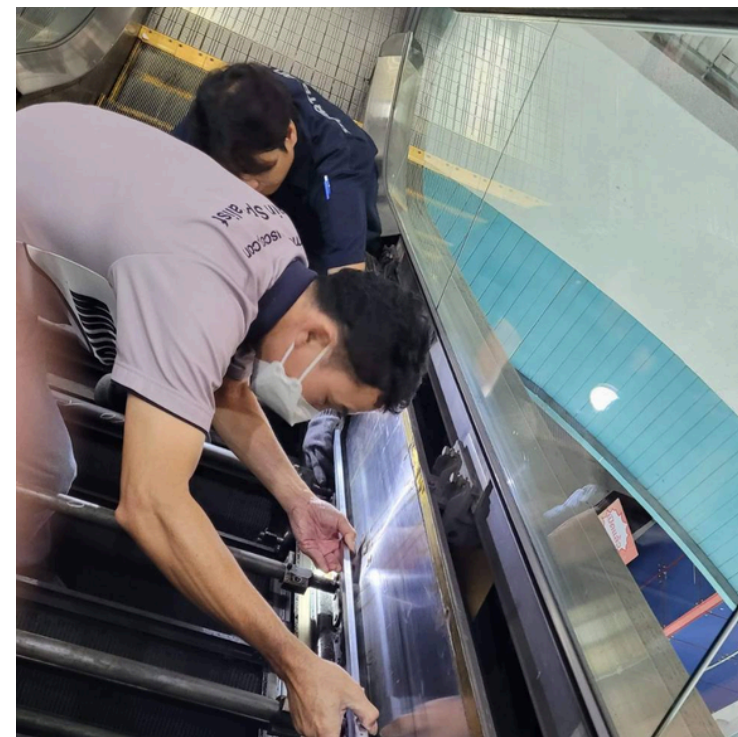
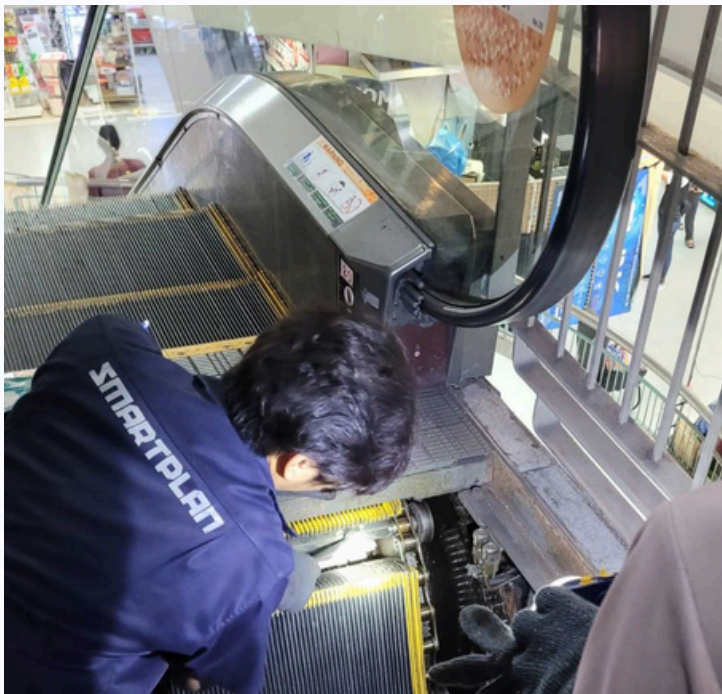
Handrail Driving Chains

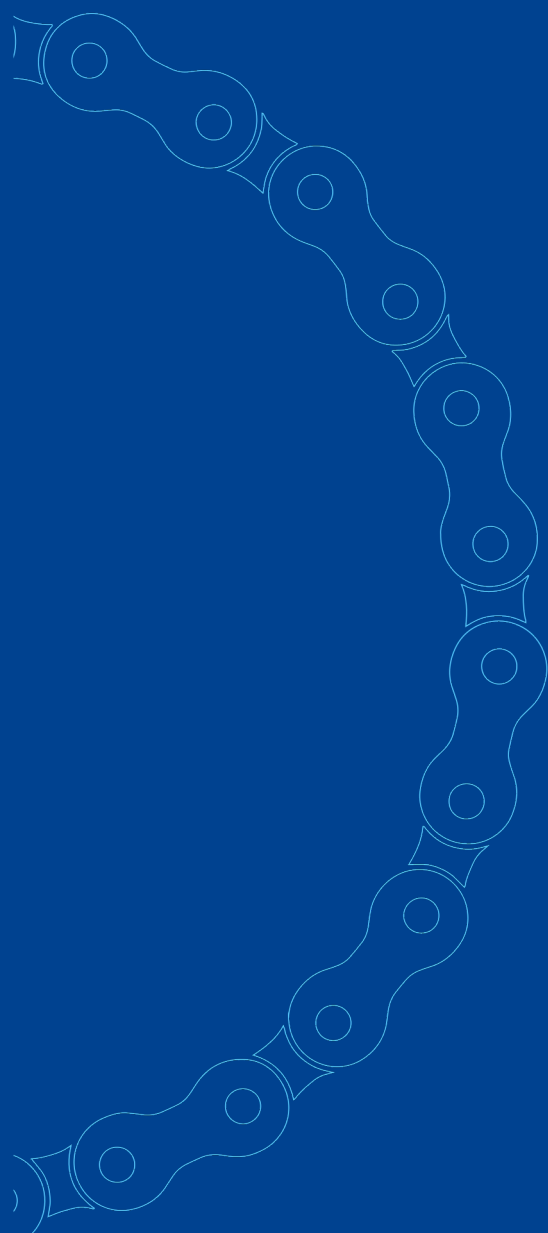
Escalator Drive Chains



Chain No.	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin lenthg		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	Lc max	h ₂ max	t/T	Pt	Q min	Q ₀	q _≈
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
16A-2	25.40	15.88	15.75	7.92	62.7	64.3	24.00	3.25	29.29	113.40	141.8	5.15
16AFT-2	25.40	15.88	15.75	7.92	62.7	65.8	24.00	3.25	29.29	132.3	165.4	5.51
16B-1	25.40	15.88	17.02	8.28	36.1	37.4	21.00	4.15/3.10	／	60.0	72.8	2.71
16B-2	25.40	15.88	17.02	8.28	68.0	69.3	21.00	4.15/3.10	31.88	106.0	133.0	5.42

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	Lc max	h ₂ max	t/T	Pt	Q min	Q ₀	q _≈
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
16A-2F	25.4	15.88	15.75	7.92	62.7	67.1	24.13	3.26	29.29	111.2	143.0	5.15
16B-2F	25.4	15.88	17.02	8.28	68.0	73.4	21.08	4.09/3.10	31.88	106.0	126.5	5.42
20A-2F	31.75	19.05	18.90	9.53	76.4	83.1	30.18	4.00	35.76	173.5	215.6	7.80
20B-2F	31.75	19.05	19.58	10.19	79.7	85.8	26.42	4.60/3.60	36.45	170.0	210.0	7.20
20AFT-2	31.75	19.05	18.90	9.53	76.4	80.5	30.10	4.00	35.76	211.68	262.5	8.09
20A-3	31.75	19.05	18.90	9.53	112.2	116.3	30.00	4.00	35.76	265.5	309.6	11.77
20AFT-3	31.75	19.05	18.90	9.53	112.2	116.3	30.10	4.00	35.76	330	395.0	12.1
24A-2	38.10	22.23	25.22	11.10	95.8	99.7	35.70	4.80	45.44	254.00	314.9	11.70
20B-3	31.75	19.05	19.56	10.19	114.2	117.9	26.40	4.60/3.60	36.45	250	290.0	10.82
24B-2	38.10	25.40	25.40	14.63	101.7	106.2	33.20	5.80/4.80	48.36	280.0	319.2	13.40





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