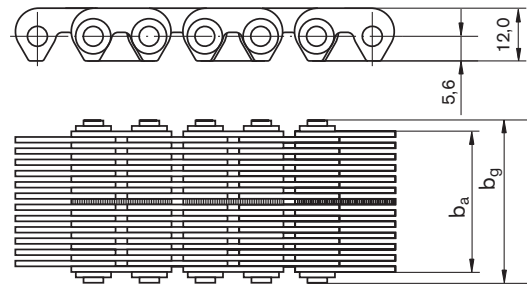
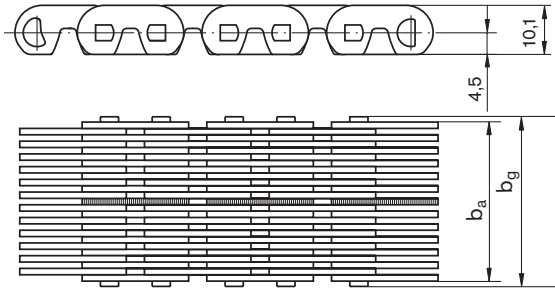


1/2" with one-pin system



Low model - 1.5 mm link plates				Rustproof - 1.5 mm link plates				General	
Designation	Max. working width b_a	Max. total width b_g	Weight [kg/m]	Designation	Max. working width b_a	Max. total width b_g	Weight [kg/m]	Nom. width	Wheel width b
KT 312 A	9.4	15.1	0.7	RTD 312 A	9.4	18.5	1.2	12	8.5
KT 315 A	12.5	18.3	0.9	RTD 315 A	12.5	21.7	1.4	15	11.5
KT 320 A	17.2	22.9	1.1	RTD 320 A	17.2	26.3	1.7	20	16
KT 325	26.6	29.2	1.1	RTD 325	26.6	32.6	2.0	25	30
KT 330	29.7	32.3	1.6	RTD 330	29.7	35.7	2.2	30	35
KT 335	36	38.6	1.9	RTD 335	36	42	2.6	35	40
KT 340	42.3	44.9	2.2	RTD 340	42.3	48.3	2.9	40	45
KT 345	45.4	48	2.3	RTD 345	45.4	51.4	3.1	45	50
KT 350	51.6	54.2	2.7	RTD 350	51.6	57.6	3.5	50	55
KT 355	54.8	57.4	2.8	RTD 355	54.8	60.8	3.7	55	60
KT 360	61	63.6	3.1	RTD 360	61	67	4.0	60	65
KT 365	67.3	69.9	3.4	RTD 365	67.3	73.3	4.4	65	70
KT 370	70.5	73.1	3.6	RTD 370	70.5	76.5	4.6	70	75
KT 375	75.1	77.7	3.8	RTD 375	75.1	81.1	4.8	75	80
KT 380	79.8	82.4	4.1	RTD 380	79.8	85.8	5.1	80	85
KT 385	86.1	88.7	4.4	RTD 385	86.1	92.1	5.5	85	90
KT 390	89.2	91.8	4.5	RTD 390	89.1	95.1	5.7	90	95
KT 395	95.5	98.1	4.9	RTD 395	95.5	101.5	6.1	95	100
KT 3100	100.2	102.8	5.1	RTD 3100	100.2	106.2	6.2	100	105
KT 3115	114.3	116.9	5.8	RTD 3115	114.3	120.3	7.2	115	120
KT 3125	123.6	126.2	6.3	RTD 3125	123.6	129.6	7.7	125	130
KT 3140	139.3	141.9	7.0	RTD 3140	139.3	145.3	8.6	140	145
KT 3150	148.7	151.3	7.5	RTD 3150	148.7	154.7	9.2	150	155
KT 3175	173.7	176.3	8.8	RTD 3175	173.7	179.7	10.6	175	180
KT 3200	198.8	201.4	10.0	RTD 3200	198.8	204.8	12.1	200	205
KT 3250	248.8	251.4	12.6	RTD 3250	248.8	254.8	15.0	250	255
KT 3300	298.9	301.5	15.0	RTD 3300	298.9	304.9	18.1	300	305

Measurements are in millimeters – for sprocket specifications, please see pages 16 and 17.

Modifications: ■ Loose construction with spacer disks or spacer bushings ■ With smoothed surface or smooth on both sides (Applies only to low model)
 ■ Slip-smoothed (Applies only to low model) ■ Integration of driver plates ■ Additional widths available upon request

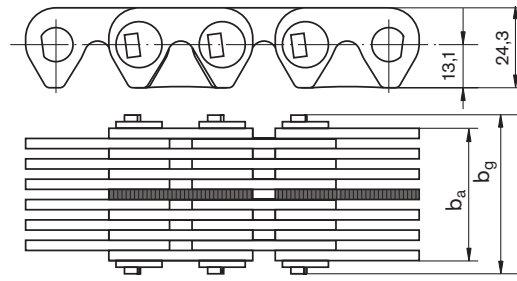
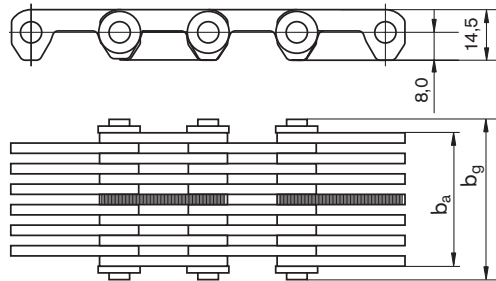
Use only even link numbers. Number of links equals number of pitches. The manufacturing tolerance for the working width and total width is -3%.

Note: Inverted tooth chains are delivered with a riveted closure. When using split pin fasteners, bear in mind the protruding pin head on one side.

Automated conveying systems inverted tooth chains from Renold. Order no. RTC Conveying Systems/2016-03/EN

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1" with one-pin/two-pin system



Low model – 3 mm link plates (one-pin system)						Normal model – 3 mm link plates (two-pin system)					
Designation	Max. working width b_a	Max. total width b_g	Weight [kg/m]	Nom. width	Wheel width b	Designation	Max. working width b_a	Max. total width b_g	Weight [kg/m]	Nom. width	Wheel width b
LCC 6200	198	206	10.0	200	210	KT 630	27.9	35.9	3.4	30	35
LCC 6250	247	255	12.4	250	260	KT 640	40.2	48.2	4.7	40	45
LCC 6300	302	310	15.2	300	310	KT 650	52.6	60.6	6.1	50	55
LCC 6350	351	359	17.6	350	360	KT 675	77.4	85.4	8.8	75	80
LCC 6400	400	408	20.1	400	410	KT 6100	102.1	110.1	11.5	100	105
LCC 6450	449	457	22.5	450	460	KT 6125	126.9	134.9	14.2	125	130
LCC 6500	497	505	25.0	500	510	KT 6150	151.7	159.7	17.3	150	155

Measurements are in millimeters – for sprocket specifications, please see pages 16 and 17.

Measurements are in millimeters – for sprocket specifications, please see pages 16 and 17.

For especially heavy operation, inverted tooth conveyor chains with 1" pitches are available: type LCC with a low construction and type KT 6..

Type KT 6.. differs from other 1" drive tooth chains in that the link plate backs as well as the teeth have been leveled. As a result, these link plate forms provide the best conditions for transporting heavy workpieces together with the especially low-wear rolling pivot joint. This version also acts as a friction drive for the precise synchronization of sheet glass transfer rolls.

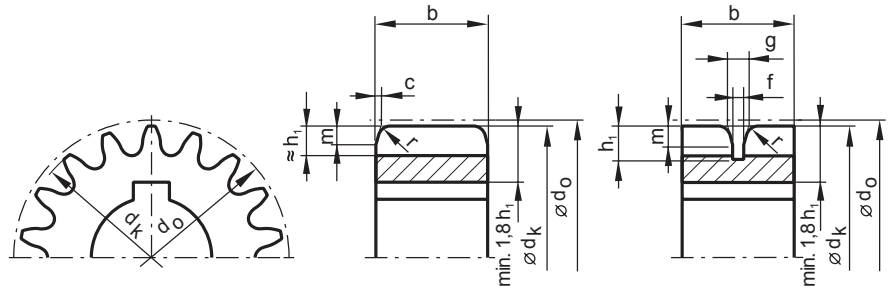
Due to its robust link geometry, the LCC type is especially well suited for greater widths and its bending capability over the chain back is almost unlimited (no rigid backing).

- Modifications:**
- Loose construction with spacer disks
 - With smoothed surface or smooth on both sides
 - Integration of driver plates or milled driver blocks
 - Additional widths available upon request

Use only even link numbers. Number of links equals number of pitches. The manufacturing tolerance for the working width and total width is -2%.

Note: Inverted tooth chains are delivered with a riveted closure. When using split pin fasteners, bear in mind the protruding pin head on one side.

Sprocket dimensions



For 1/2" wheels, different tooth widths apply to the two chain pivot constructions. Sprocket orders must specify whether inverted tooth chains will use a one- or two-pin system. Chain width determines sprocket width. Narrower sprocket widths are possible in special cases. Extremely wide chains may make use of a series of narrower disks positioned side by side at a distance.

Sprockets with proper tothing are a pre-requisite for the chain's reliable functioning and long service life. The guarantee for inverted tooth chains does not apply to wheels of foreign make.

Guide groove and profile

Pitch	1/2"	1" KT	1" LCC
g	4	8	8
f	3	6	6
h ₁	8	16	12
m	5	10	6
r	2	3	3
c	0,5	1	1

Pitch	Design	Minimum amount of teeth
1/2"	Regular	17
	Extended	26, pref. 35
	Low	15
1"	Regular	15
	LCC	12

Sprockets

Pitch Design	1/2"		1"		
	All	d _k	All	Standard	LCC
No. of teeth	d _o	d _k	d _o	d _k	d _k
12	-	-	98.1	-	94.4
13	-	-	106.1	-	102.7
14	-	-	114.1	-	110.9
15	61.1	59.7	122.2	119.4	119.1
16	65.1	63.8	130.2	127.6	127.3
17	69.1	67.9	138.2	135.8	135.5
18	73.1	72.0	146.3	144.0	143.7
19	77.2	76.1	154.3	152.2	151.8
20	81.2	80.1	162.4	160.3	160.0
21	85.2	84.2	170.4	168.5	168.1
22	89.2	88.3	178.5	176.6	176.3
23	93.3	92.3	186.5	184.7	184.4
24	97.3	96.4	194.6	192.9	192.5
25	101.3	100.5	202.7	201.0	200.7
26	105.4	104.5	210.7	209.1	208.8
27	109.4	108.6	218.8	217.3	216.9
28	113.4	112.7	226.9	225.4	225.0
29	117.5	116.7	234.9	233.5	233.1
30	121.5	120.8	243.0	241.6	241.3
31	125.5	124.8	251.1	249.7	249.4
32	129.6	128.9	259.1	257.8	257.5
33	133.6	133.0	267.2	266.0	265.6
34	137.6	137.0	275.3	274.1	273.7
35	141.7	141.1	283.4	282.2	281.8
36	145.7	145.1	291.4	290.3	289.9
37	149.8	149.2	299.5	298.4	298.0
38	153.8	153.2	307.6	306.5	306.1
39	157.8	157.3	315.7	314.6	314.2
49	198.2	197.8	396.4	395.6	395.2
59	238.6	238.2	477.2	476.5	476.2
69	279.0	278.7	558.1	557.4	557.1
79	319.4	319.1	638.9	638.3	638.0
89	359.9	359.6	719.7	719.2	718.9
99	400.3	400.0	800.6	800.1	799.8

Measurements are in mm – Intermediate values should be interpolated