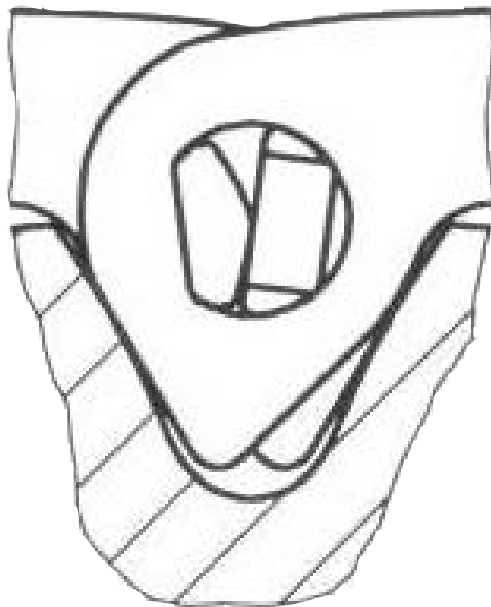


Inverted tooth chain drives ► Inverted tooth chain drive, KH series

## KH series

Brochure

**Rexroth**  
Pneumatics



Inverted tooth chain drives ▶ Inverted tooth chain drive, KH series

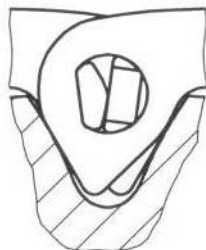
**KH series**

	Inverted tooth chain drive, Series KH ▶ 3/8" pitch = 9.525 mm	3
	Inverted tooth chain drive, Series KH ▶ 1/2" pitch = 12.7 mm	5
	Inverted tooth chain drive, Series KH ▶ 5/8" pitch = 15,875 mm	7
	Inverted tooth chain drive, Series KH ▶ 3/4" pitch = 19.05 mm	9
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	Inverted tooth chain drive, Series KH ▶ 1 1/2" pitch = 38.1 mm	13
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## Inverted tooth chain drives ▶ Inverted tooth chain drive, KH series

### Inverted tooth chain drive, Series KH

▶ 3/8" pitch = 9.525 mm



23045

Types of guides

Standard delivery

Number of links

Lubrication

Minimum number of teeth for the sprockets

Center guide

Side guide

open, with splint pin lock  
overall width  $bg + 2$  mm

Number of links equal to number of pitches.  
For circulating chains, an even number of links must be used.

Uneven numbers of links are permitted only if the ends of the chain are connected to external parts.

Pay attention to correct lubrication.

13 teeth

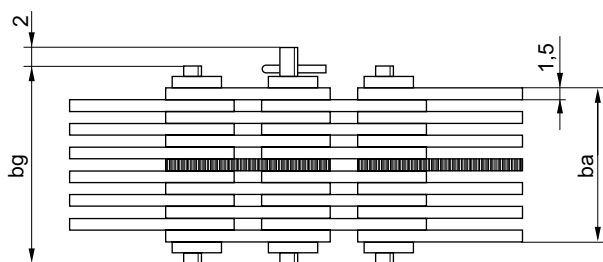
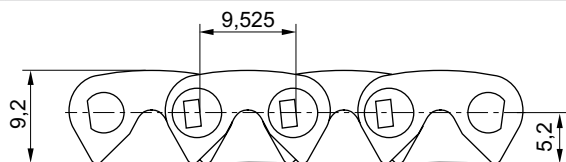
from 1 m/s  $\geq$  23 teeth

Further information can be found in the operating instructions.

#### Ordering information

- Please contact our sales department with the selected drawing number: [toothchain@aventics.com](mailto:toothchain@aventics.com). You will require approval for your initial selection.
- Other delivery types and nominal widths on request.

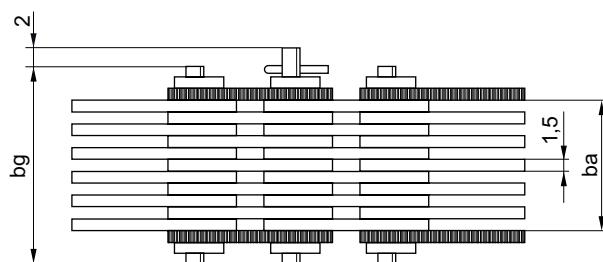
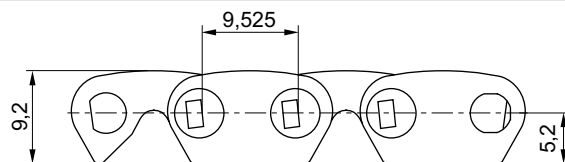
#### Dimensions in mm, Center guide



23078

Illustration exemplary for a standard tooth chain with single center guide.

#### Side guide



23079

Illustration exemplary for a standard tooth chain with single outer guide.

Nominal width	Number of rows	Guide	Lock type	Working width $ba$	Total width $bg$	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
8	5	Center	riveted	7.8	12	KH 008	R418004131	0.37	10	-	R418004132	-
11	7	Outer	riveted	7.8	15.2	KH 011 A	R418000068	0.51	7.1	-	R418006291	-
		Center				KH 011	R418000631	0.49	16	-	-	
12	8	Outer	riveted	9.4	16.7	KH 012 A	R418000004	0.57	9	-	R418012999	-
14	9	Outer	riveted	11	18.3	KH 014 A	R418000626	0.63	10	-	R418002082	-

1) Reinforcement plates

2) doubled construction

Number of rows = number of all links per joint

## Inverted tooth chain drive, Series KH

► 3/8" pitch = 9.525 mm

Nominal width	Number of rows	Guide	Lock type	Working width ba	Total width bg	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
15	9	Center	riveted	14.1	18.3	KH 015	R418000031	0.61	20		R418002082	
	10	Outer		12.5	19.9	KH 015 A	R418000064	0.69	12	–	R418001271	–
17	11	Outer	riveted	14.1	21.4	KH 017 A	R418001011	0.75	13	–	R418001749	–
18	11	Center	riveted	17.2	21.4	KH 018	R418000067	0.74	23	–	R418001749	–
	12	Outer		15.7	23	KH 018 A	R418000056	0.82	15	R418000922	R418004910	–
	12	Outer		12.5	23	KH 018 Z	R418000624	0.88	11.5	R418000922	–	1)
20	13	Outer	riveted	17.2	24.5	KH 020 A	R418000627	0.88	16.5		R418000972	–
	13	Center		20.4	24.6	KH 020	R418000021	0.86	25	–	R418000972	–
	14	Outer		18.8	26.1	KH 020 A	R418000057	0.94	18		R418000900	–
23	15	Outer	riveted	20.3	27.7	KH 023 A	R418000628	0.99	19	–	R418001750	–
		Center		23.5		KH 023	R418000032	0.98	28			
25	16	Outer	riveted	21.9	29.2	KH 025 A	R418000029	1.06	20.5	–	R418001803	–
	16	Outer		18.8	29.2	KH 025 Z	R418000066	1.13	17.5	–	R418001803	1)
	17	Outer		20.3	30.8	KH 025 Z	R418000030	1.19	19.5	R418001222	R418001221	1)
	17	Center		26.6	30.8	KH 025	R418000024	1.1	30	R418001222	R418001221	–
26	17	Outer	riveted	23.5	30.8	KH 026 A	R418009958	1.12	22	–	R418001221	–
30	19	Center	riveted	29.7	33.9	KH 030	R418000630	1.23	35	–	–	–
	21	Outer		29.7	37.1	KH 030 A	R418000904	1.36	28	–	R418001248	–
	21	Center		32.9	37.1	KH 030	R418000025	1.35	35	R418008369	R418001248	–
	21	without		32.9	37.1	KH 030	R418006428	1.33	35	–	R418001248	–
31	20	Outer	riveted	28.2	35.5	KH 031 A	R418015807	1.29	26.5	–	–	–
34	22	Outer	riveted	31.3	38.6	KH 034 A	R418000633	1.43	29.5	–	–	2)
35	23	Outer	riveted	32.9	40.2	KH 035 A	R418000033	1.49	31.5	–	R418009269	–
	25	Center		39.1	43.3	KH 035	R418000026	1.59	40	–	R418001026	–
40	27	Center	riveted	42.3	46.5	KH 040	R418000028	1.71	45	–	R418004914	–
42	27	Outer	riveted	39.1	46.5	KH 042 A	R418000034	1.73	37	–	–	–
45	29	Center	riveted	45.4	49.6	KH 045	R418000027	1.84	50	–	R418001863	–
50	31	Center	riveted	48.5	52.7	KH 050	R418000065	1.96	55	–	R418001383	–
65	41	Center	riveted	64.2	68.4	KH 065	R418012443	2.57	70	–	–	–
115	73	Center	riveted	114.2	118.4	KH 0115	R418014583	4.51	120	–	R418014582	–

1) Reinforcement plates

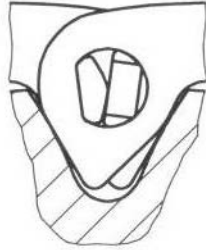
2) doubled construction

Number of rows = number of all links per joint

## Inverted tooth chain drives ▶ Inverted tooth chain drive, KH series

### Inverted tooth chain drive, Series KH

▶ 1/2" pitch = 12.7 mm



23045

Types of guides

Standard delivery

Number of links

Lubrication

Minimum number of teeth for the sprockets

Center guide

Side guide

open, with splint pin lock  
overall width  $bg + 2,5$  mm

Number of links equal to number of pitches.

For circulating chains, an even number of links must be used.

Uneven numbers of links are permitted only if the ends of the chain are connected to external parts.

Pay attention to correct lubrication.

13 teeth

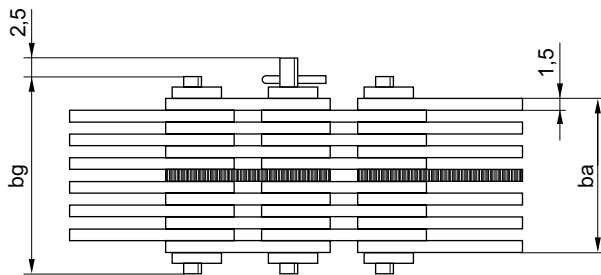
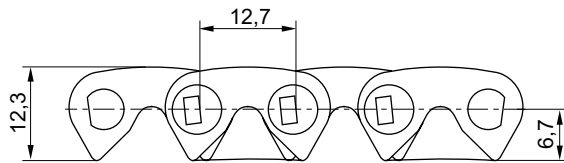
from 1 m/s  $\geq$  23 teeth

Further information can be found in the operating instructions.

#### Ordering information

- Please contact our sales department with the selected drawing number: [toothchain@aventics.com](mailto:toothchain@aventics.com). You will require approval for your initial selection.
- Other delivery types and nominal widths on request.

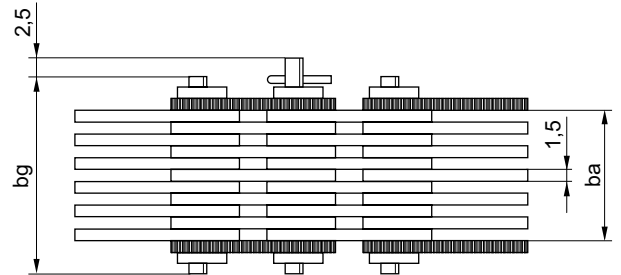
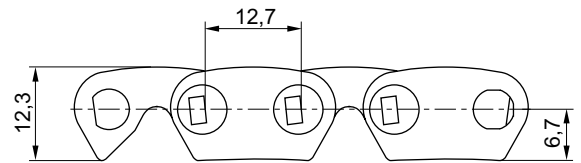
#### Dimensions in mm, Center guide



23066

Illustration exemplary for a standard tooth chain with single center guide.

#### Side guide



23067

Illustration exemplary for a standard tooth chain with single outer guide.

Nominal width	Number of rows	Guide	Lock type	Working width $ba$	Total width $bg$	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
11	7	Outer	riveted	7.8	16.6	KH 311 A	R418000180	0.66	7	-	-	-
12	8	Outer	riveted	9.4	18.1	KH 312 A	R418009260	0.75	8.5	-	R418009261	-
14	9	Center	riveted	14.1	19.7	KH 314	R418000115	0.81	20	-	R418009922	-

- 1) Reinforcement plates
  - 2) doubled construction
  - 3) doubled center guide
- Number of rows = number of all links per joint

## Inverted tooth chain drive, Series KH

▶ 1/2" pitch = 12.7 mm

Nominal width	Number of rows	Guide	Lock type	Working width ba	Total width bg	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
15	10	Outer	riveted	12.5	21.3	KH 315 A	R418000118	0.91	12	-	R418001804	-
	11	Center		17.2	22.8	KH 315	R418000166	0.97	20		R418001547	
17	11	Outer	riveted	14.1	22.8	KH 317 A	R418000113	0.99	13	-	-	-
18	12	Outer	riveted	15.7	24.4	KH 318 A	R418000122	1.07	15	-	R418002081	-
				12.5		KH 318 Z	R418000538	1.16	11		-	
19	13	Outer	riveted	17.2	25.9	KH 319 A	R418000164	1.15	16	-	R418002042	-
20	13	Center	riveted	20.3	25.9	KH 320	R418000126	1.13	25	-	R418002042	-
	14	Outer		18.8	27.5	KH 320 A	R418000125	1.23	18		R418000926	
	14	Outer		18.8	27.5	KH 320 A	R418000193	1.23	18		R418000926	
22	15	Center	riveted	23.5	29.1	KH 322	R418000168	1.29	25	-	R418001069	-
23	15	Outer	riveted	20.3	29.1	KH 323 A	R418000141	1.31	19	-	R418001069	-
20	16	Outer	riveted	18.5	30.6	KH 320 Z	R418000101	1.48	18	-	-	1)
25	16	Outer	riveted	21.9	30.6	KH 325 A	R418000155	1.39	21	-	R418002607	-
	16	Center		25	30.6	KH 325	R418000195	1.39	30		-	
	17	Center		26.6	32.2	KH 325	R418000128	1.45	30		R418000881	
26	17	Outer	riveted	23.5	32.2 31.2	KH 326 A	R418000214 R418000540	1.47	22 22.5	-	R418000881	-
29	19	Center	riveted	29.7	35.3	KH 329	R418000131	1.58	35	-	-	-
30	19	Outer	riveted	26.6	35.3	KH 330 A	R418000146	1.63	26	-	R418004099	-
31	20	Outer	riveted	28.2	36.9	KH 331 A	R418008520	1.7	26	R418008521	-	-
30	21	Center	riveted	32.9	38.5	KH 330	R418000129	1.77	35	-	R418000874	-
32	21	Outer	riveted	29.7	38.5	KH 332 A	R418000111	1.79	28	-	-	-
35	22	Outer	riveted	31.3	40	KH 335 A	R418000150	1.87	29.5	-	R418009650	-
36	23	Outer	riveted	32.9	41.6	KH 336 A	R418000185	1.96	31	-	-	-
35	25	Center	riveted	39.1	44.7	KH 335	R418000132	2.09	40	R418007651	R418001022	-
40	26	Outer	riveted	37.6	46.3	KH 340 A	R418002832	2.18	36	-	-	-
	27	Outer		39.1	47.9	KH 340 A	R418000156	2.26	37		-	
	27	Center		42.3	47.9	KH 340	R418000158	2.24	45		R418002507	
45	29	Outer	riveted	42.3	51	KH 345 A	R418000176	2.42	40	-	-	-
		Center		45.4		KH 345	R418000134	2.4	50			
50	31	Center	riveted	48.5	54.1	KH 350	R418001789	2.56	55	-	R418005529	-
	33	Outer		48.5	57.3	KH 350 A	R418000013	2.74	46.5		R418001394	
	33	Center		51.7	57.3	KH 350	R418000135	2.72	55		R418001394	
65	41	Center	riveted	64.2	69.8	KH 365	R418000140	3.36	70	-	R418001007	-
70	45	Center	riveted	70.4	76	KH 370	R418000178	3.68	75	-	R418001191	-
75	50	Center	riveted	78.3	83.9	KH 375	R418000094	4.09	80	-	-	-
80	53	Center	riveted	83	88.6	KH 380	R418000169	4.31	85	-	-	-
90	58	Center	riveted	90.8	96.4	KH 390	R418000160	4.73	95	-	-	3)
100	65	Center	riveted	101.7	107.3	KH 3100	R418003605	5.27	105	-	R418003604	-
125	82	without	riveted	128.3	133.9	KH 3125	R418000174	6.59	130	-	-	-
200	127	Center	riveted	198.8	204.4	KH 3200	R418001835	10.22	205	-	-	-
	128	Center		200.3	205.9	KH 3200	R418000172	10.31	205	-	-	3)
	134	Outer		184.7	215.3	KH 3200 Z	R418010003	11.74	179	R418010004	-	1)

1) Reinforcement plates

2) doubled construction

3) doubled center guide

Number of rows = number of all links per joint

## Inverted tooth chain drives ▶ Inverted tooth chain drive, KH series

### Inverted tooth chain drive, Series KH

▶ 5/8" pitch = 15,875 mm



23045

Types of guides

Standard delivery

Number of links

Lubrication

Minimum number of teeth for the sprockets

Center guide

Side guide

open, with splint pin lock  
overall width  $bg + 3$  mm

Number of links equal to number of pitches.

For circulating chains, an even number of links must be used.

Uneven numbers of links are permitted only if the ends of the chain are connected to external parts.

Pay attention to correct lubrication.

13 teeth

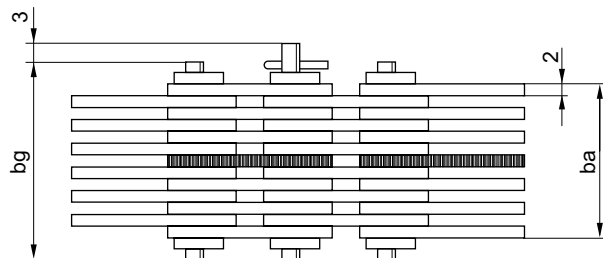
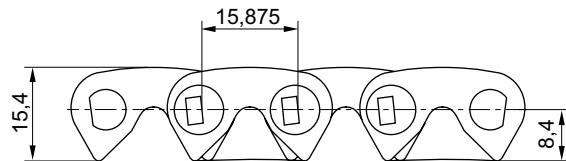
from 1 m/s  $\geq$  23 teeth

Further information can be found in the operating instructions.

#### Ordering information

- Please contact our sales department with the selected drawing number: [toothchain@aventics.com](mailto:toothchain@aventics.com). You will require approval for your initial selection.
- Other delivery types and nominal widths on request.

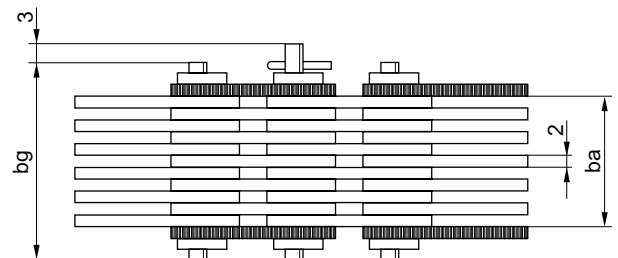
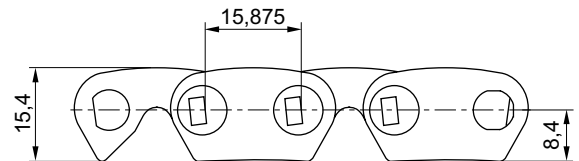
#### Dimensions in mm, Center guide



23070

Illustration exemplary for a standard tooth chain with single center guide.

#### Side guide



23071

Illustration exemplary for a standard tooth chain with single outer guide.

Nominal width	Number of rows	Guide	Lock type	Working width $ba$	Total width $bg$	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
15	7	Center	riveted	14.6	20.4	KH 415	R418010752	1.1	20	-	R418010749	-
25	13	Center	riveted	27	32.8	KH 425	R418000406	1.92	30	-	R418001247	-
28	14	Outer	riveted	25	34.9	KH 428 A	R418000325	2.09	24	-	R418001784	-

1) Reinforcement plates

2) doubled construction

Number of rows = number of all links per joint

## Inverted tooth chain drive, Series KH

► 5/8" pitch = 15,875 mm

Nominal width	Number of rows	Guide	Lock type	Working width ba	Total width bg	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
30	15	Outer	riveted	22.9	37	KH 430 Z	R418002220	2.42	21	-	R418001506	1)
		Center		31.2		KH 430	R418001505	2.19	35			-
		without		31.2		KH 430	R418015063	2.15	35			-
35	17	Outer	riveted	31.2	41.2	KH 435 A	R418000323	2.49	30	-	-	-
		Center		35.4		KH 435	R418000414	2.46	40		R418000967	-
		Center		35.4		KH 435 D	R418000964	2.46	40		R418000967	2)
40	18	Outer	riveted	33.3	43.2	KH 440 A	R418000709	2.63	32	-	-	1)
39	19	Outer	riveted	31.2	45.3	KH 439 Z	R418000329	2.96	29.5	-	R418004096	1)
40	21	Center	riveted	43.7	49.5	KH 440	R418000417	2.99	45	-	R418001013	-
45	21	Outer	riveted	35.4	49.5	KH 445 Z	R418000333	3.36	33.5	-	-	1)
47	23	Outer	riveted	43.7	53.6	KH 447 A	R418005329	3.3	41.5	-	-	-
50	25	Outer	riveted	47.8	57.8	KH 450 A	R418000713	3.93	45	-	R418000981	-
		Center		52		KH 450	R418000421	3.54	55		R418000981	-
		Center		52		KH 450 D	R418000338	3.54	55		-	2)
55	26	without	riveted	54.1	59.9	KH 455 D	R418001740	3.64	60	-	R418001741	2)
60	26	Outer	riveted	45.8	59.9	KH 460 Z	R418000332	3.9	43.5	-	R418011256	1)
64	31	Center	riveted	64.5	70.3	KH 464	R418000715	4.34	70	-	-	-
65	31	Outer	riveted	56.2	70.3	KH 465 Z	R418008672	4.65	54	-	R418000945	1)
	32	without		66.6	72.4	KH 465 D	R418000717	4.45	70	-	-	2)
	33	Outer		56.2	74.4	KH 465 Z	R418000424	5.18	54	-	R418001056	1)
	33	Center		68.6	74.4	KH 465	R418000423	4.61	70	R418003735	R418001056	-
75	36	Outer	riveted	66.6	80.7	KH 475 Z	R418000340	5.25	64	-	R418003142	1)
		Center		74.9		KH 475	R418000007	5.06	80		-	
80	38	Outer	riveted	70.7	84.8	KH 480 Z	R418000336	5.52	68	-	R418014407	1)
		Center		74.9		KH 490	R418000330	6.75	71		-	
90	44	Outer	riveted	74.9	97.3	KH 490 Z	R418000330	6.75	71	-	R418001411	1)
		Center		91.5		KH 490	R418000429	6.13	95		-	
100	49	Outer	riveted	97.8	107.7	KH 4100 A	R418005318	6.78	94	-	-	-
	50	Center		104	109.8	KH 4100	R418000703	6.95	105			
115	56	Center	riveted	116.5	122.3	KH 4115	R418000320	7.81	120	-	R418002961	-
195	93	Outer	riveted	189.3	199.2	KH 4195 A	R418003153	13.01	183	-	R418003156	-
	94	Center		196	202	KH 4195	R418000343	12.89	200		-	
200	98	Center	riveted	203.8	209.6	KH 4200	R418000431	13.41	210	-	-	-

1) Reinforcement plates

2) doubled construction

Number of rows = number of all links per joint



## Inverted tooth chain drives ▶ Inverted tooth chain drive, KH series

### Inverted tooth chain drive, Series KH

▶ 3/4" pitch = 19.05 mm



23045

Types of guides

Standard delivery

Number of links

Lubrication

Minimum number of teeth for the sprockets

Center guide

Side guide

open, with splint pin lock  
overall width  $bg + 3,5$  mm

Number of links equal to number of pitches.

For circulating chains, an even number of links must be used.

Uneven numbers of links are permitted only if the ends of the chain are connected to external parts.

Pay attention to correct lubrication.

13 teeth

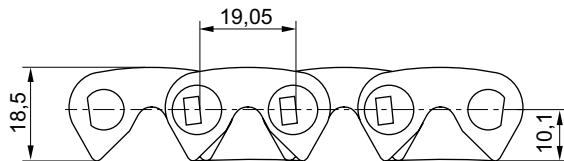
from 1 m/s  $\geq$  23 teeth

Further information can be found in the operating instructions.

#### Ordering information

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- Other delivery types and nominal widths on request.

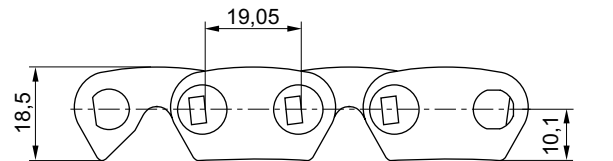
#### Dimensions in mm, Center guide



23068

Illustration exemplary for a standard tooth chain with single center guide.

#### Side guide



23069

Illustration exemplary for a standard tooth chain with single outer guide.

Nominal width	Number of rows	Guide	Lock type	Working width $ba$	Total width $bg$	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
30	15	Center	riveted	31.2	38.2	KH 530	R418000360	2.65	35	–	R418002768	–
35	17	Center	riveted	35.4	42.4	KH 535	R418000347	2.98	40	–	R418000965	–
	17			35.4	42.4	KH 535 D	R418014712	2.96			R418000965	2)
	18			37.4	44.4	KH 535	R418004759	3.18			R418001166	–

1) Reinforcement plates

2) doubled construction

Number of rows = number of all links per joint

## Inverted tooth chain drive, Series KH

► 3/4" pitch = 19.05 mm

Nominal width	Number of rows	Guide	Lock type	Working width ba	Total width bg	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
40	21	Center without	riveted	43.7	50.7	KH 540	R418000351 R418015649	3.63 3.57	45	–	R418000889	–
45	22	Outer	riveted	41.6	52.8	KH 545 A	R418000376	3.83	39	–	R418002366	–
	23	Center		47.8	54.8	KH 545	R418002045	3.96	50		R418002044	
	23	Outer		43.7	54.8	KH 545 A	R418000724	3.99	41		R418002044	
50	25	Center without	riveted	52	59	KH 550	R418000353	4.28	55	–	R418000936	–
		Outer		52		KH 550	R418015653	4.22	55			–
		Outer		43.7		KH 550 A	R418000380	4.4	42			–
		Outer		43.7		KH 550 Z	R418013612	4.49	41.5			1)
65	32	Outer	riveted	58.2	73.6	KH 565 Z	R418000370	5.76	55	–	R418002857	1)
	33	Center		68.6	75.6	KH 565	R418000354	5.59	75	R418003112	R418001120	–
70	34	Outer	riveted	66.6	77.7	KH 570 A	R418000372	5.79	65	–	R418004127	–
	35			68.6	79.8		R418000382	5.96	66		–	
75	37	Center	riveted	77	84	KH 575	R418000355	6.24	80	–	R418000883	–
		Outer		52		KH 575 Z	R418000775	6.97	50		–	1)
80	39	Outer	riveted	64.5	88.1	KH 580 Z	R418000776	7.32	63	–	–	1)
85	41	Center	riveted	85.3	92.3	KH 585	R418001062	6.89	90	–	R418001061	–
95	43	Outer	riveted	72.8	96.4	KH 595 Z	R418000723	7.68	70	–	R418014554	1)
90	44	Center	riveted	91.5	98.5	KH 590 KH 590 D	R418000368 R418010006	7.43	95	–	R418002500	– 2)
95	46	Center	riveted	95.7	102.7	KH 595	R418002573	7.22	100	–	R418002574	–
100	49	Center	riveted	101.9	108.9	KH 5100	R418014328	8.15	105	–	–	–
	50			104	111	KH 5100	R418000369	8.4			R418002072	–
	50			104	111	KH 5100 D	R418000720	8.4			–	2)
115	56	Center	riveted	116.5	123.5	KH 5115	R418000358	9.37	120	–	R418002892	–
130	64	Center	riveted	133.1	140.1	KH 5130	R418000730	10.68	135	–	–	–
135	65	Center	riveted	135.2	142.2	KH 5135	R418012012	10.74	140	–	R418012011	–
150	74	Center	riveted	153.9	160.9	KH 5150	R418000722	12.31	160	–	–	–
	76			158.1	165.1		R418000365	12.63	155			
170	82	Center	riveted	170.6	177.6	KH 5170	R418000363	13.65	175	–	–	–

1) Reinforcement plates

2) doubled construction

Number of rows = number of all links per joint

## Inverted tooth chain drives ▶ Inverted tooth chain drive, KH series

### Inverted tooth chain drive, Series KH

▶ 1" pitch = 25.4 mm



23045

Types of guides

Standard delivery

Number of links

Lubrication

Minimum number of teeth for the sprockets

Center guide

Side guide

open, with splint pin lock  
overall width  $bg + 4$  mm

Number of links equal to number of pitches.

For circulating chains, an even number of links must be used.

Uneven numbers of links are permitted only if the ends of the chain are connected to external parts.

Pay attention to correct lubrication.

15 teeth

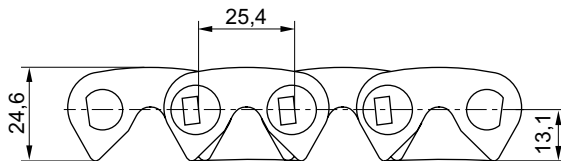
from 1 m/s  $\geq$  23 teeth

Further information can be found in the operating instructions.

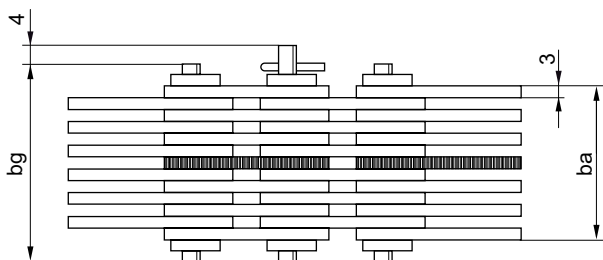
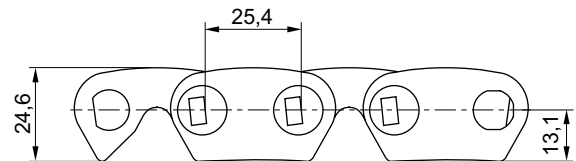
#### Ordering information

- Please contact our sales department with the selected drawing number: [toothchain@aventics.com](mailto:toothchain@aventics.com). You will require approval for your initial selection.
- Other delivery types and nominal widths on request.

#### Dimensions in mm, Center guide

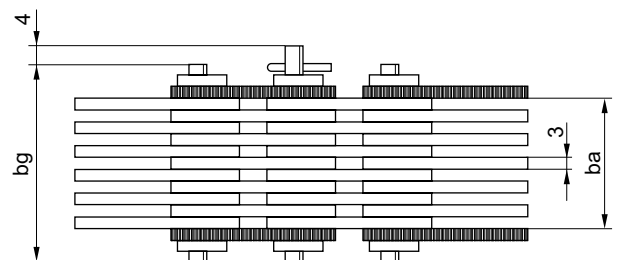


#### Side guide



23072

Illustration exemplary for a standard tooth chain with single center guide.



23073

Illustration exemplary for a standard tooth chain with single outer guide.

Nominal width	Number of rows	Guide	Lock type	Working width $ba$	Total width $bg$	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
35	11	Center	riveted	34	42	KH 635	R418005231	3.89	40	-	-	-
45	15	Center	riveted	46.4	54.4	KH 645	R418000749	5.21	50	-	R418001397	-
50	17	Center	riveted	52.6	60.6	KH 650	R418000265	5.86	55	-	R418000974	-
65	21	Center	riveted	65	73	KH 665	R418000269	7.16	70	-	R418001498	-
70	23	Outer	riveted	65	79.2	KH 670 A	R418002744	7.86	63	-	-	-

1) Reinforcement plates

2) doubled construction

Number of rows = number of all links per joint

## Inverted tooth chain drive, Series KH

► 1" pitch = 25.4 mm

Nominal width	Number of rows	Guide	Lock type	Working width ba	Total width bg	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note	
[mm]				[mm]	[mm]			[kg]	[mm]				
75	25	Outer Center	riveted	65	85.4	KH 675 Z	R418005435	9.19	63	-	R418015496	R418001104	1)
				77.4		KH 675	R418000271	8.45	80			-	
85	28	Outer	riveted	74.3	94.7	KH 685 A	R418000301	9.67	71.5	-		R418001237	-
90	29 30	Center Outer	riveted	89.8	100.4	KH 690	R418000282	9.75	95	-		R418001773	-
				74.3		KH 690 Z	R418000298	10.71	70		R418001078	1)	
100	32 33 33 34	Outer Outer Center Outer	riveted	92.9	110.1	KH 6100 A	R418002670	10.79	90	-		R418002671	-
				77.4		KH 6100 Z	R418000746	12.28	74.5		R418000962	1)	
				102.1		KH 6100	R418000273	11.06	105		R418000962	-	
				80.5		KH 6100 Z	R418006422	11.63	77		-	1)	
110	35 36	Outer	riveted	83.6	116.3	KH 6110 Z	R418002804	12.78	80.5	-		-	1)
				86.7			R418010351	13.38	84				
115	37	Center	riveted	114.5	122.5	KH 6115	R418003087	12.29	120	-		R418003088	-
125	41	Center	riveted	126.9	134.9	KH 6125	R418000275	13.67	130	R418010130		R418002040	-
140	44	Outer	riveted	111.4	144.2	KH 6140 Z	R418000748	16.24	105	-		-	1)
145	47	Outer	riveted	108.3	153.5	KH 6145 Z	R418009516	16.81	105	-		-	1)
150	50	Center	riveted	154.8	162.8	KH 6150	R418000277	16.71	155	-		R418002302	-
175	58	Center	riveted	179.5	187.5	KH 6175	R418000288	19.22	180	-		-	-
						KH 6175 D	R418000279				R418009146	2)	
180	58	Outer	riveted	167.1	187.5	KH 6180 Z	R418007293	20.2	162	-		-	1)
195	64	Center	riveted	198.1	206.1	KH 6195	R418000747	21.25	200	-		-	-
205	66	Center	riveted	204.3	212.3	KH 6205	R418000284	21.92	210	R418010513		R418003330	-
250	80	Center	riveted	247.6	255.6	KH 6250 D	R418011461	26.2	255	-		-	-
255	82	Center	riveted	253.8	261.8	KH 6255	R418000295	27.19	260	-		R418001988	-
275	90	Center	riveted	278.6	286.6	KH 6275	R418014447	29.32	285	-		-	-

1) Reinforcement plates

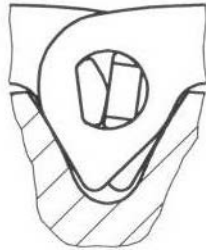
2) doubled construction

Number of rows = number of all links per joint

## Inverted tooth chain drives ▶ Inverted tooth chain drive, KH series

### Inverted tooth chain drive, Series KH

▶ 1 1/2" pitch = 38.1 mm



23045

Types of guides

Standard delivery

Number of links

Lubrication

Minimum number of teeth for the sprockets

Center guide

Side guide

open, with splint pin lock  
overall width  $bg + 6$  mm

Number of links equal to number of pitches.

For circulating chains, an even number of links must be used.

Uneven numbers of links are permitted only if the ends of the chain are connected to external parts.

Pay attention to correct lubrication.

15 teeth

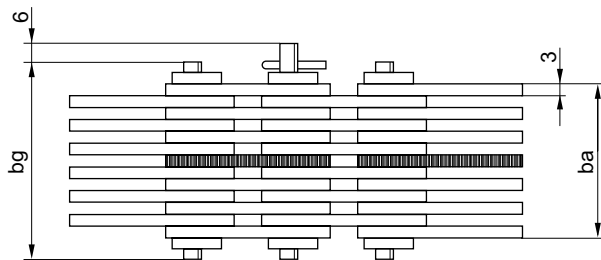
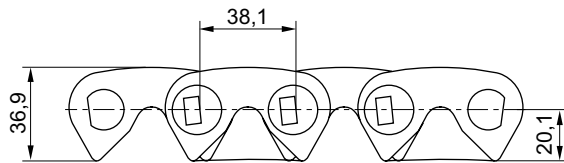
from 1 m/s  $\geq$  23 teeth

Further information can be found in the operating instructions.

#### Ordering information

- Please contact our sales department with the selected drawing number: [toothchain@aventics.com](mailto:toothchain@aventics.com). You will require approval for your initial selection.
- Other delivery types and nominal widths on request.

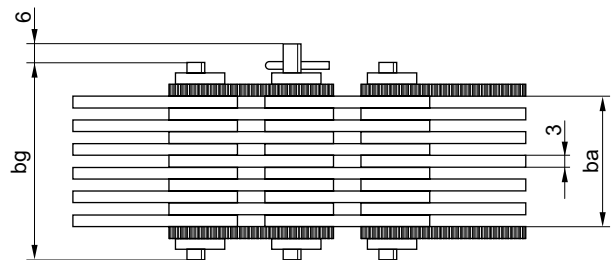
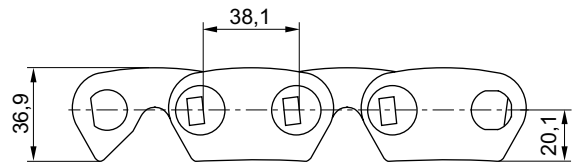
#### Dimensions in mm, Center guide



23074

Illustration exemplary for a standard tooth chain with single center guide.

#### Side guide



23075

Illustration exemplary for a standard tooth chain with single outer guide.

Nominal width	Number of rows	Guide	Lock type	Working width $ba$	Total width $bg$	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
40	13	Center	riveted	40.4	52.4	KH 840	R418000680	6.99	50	–	R418008364	–
50	17	Center	riveted	52.8	64.8	KH 850	R418000331	8.98	60	–	–	–
65	21	Center	riveted	65.2	77.2	KH 865	R418000335	10.95	75	–	R418002161	–
70	23	Outer	riveted	65.2	83.4	KH 870 A	R418000684	11.81	63.5	–	–	–
75	25	Center	riveted	77.6	89.6	KH 875	R418000339	12.93	85	R418012461	R418001182	–

1) Reinforcement plates

2) doubled construction

Number of rows = number of all links per joint

## Inverted tooth chain drive, Series KH

► 1 1/2" pitch = 38.1 mm

Nominal width	Number of rows	Guide	Lock type	Working width ba	Total width bg	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
80	26	Outer	riveted	68.3	92.7	KH 880 Z	R418000461	14.67	65	R418015292	R418001051	1)
90	29	Center	riveted	90	102	KH 890	R418000437	14.92	100	–	R418002079	–
100	33	Outer	riveted	77.6	114.5	KH 8100 Z	R418000433	19.22	74.5	–	–	1)
		Center		102.5		KH 8100	R418000341	16.6	110	R418005524	R418001009	–
115	37	Center	riveted	114.9	126.9	KH 8115	R418004628	18.81	125	–	R418004629	–
120	38	Outer	riveted	93.2	130	KH 8120 Z	R418000436	21.99	90	–	–	1)
125	41	Center	riveted	127.3	139.3	KH 8125	R418000344	20.78	135	–	R418001010	–
140	45	Outer	riveted	127.3	151.7	KH 8140 Z	R418000439	25.43	122	–	R418001349	1)
	45	Center		139.7	151.7	KH 8140	R418001348	22.73	150	–	R418001349	–
	46	Outer		118	154.8	KH 8140 Z	R418000435	26.42	114	–	–	1)
145	47	Outer	riveted	127.3	157.9	KH 8145 Z	R418000440	25.09	123	–	–	1)
150	49	Center	riveted	152.2	164.2	KH 8150	R418000346	24.88	160	R418001654	R418000903	–
155	51	Outer	riveted	158.4	170.4	KH 8155 Z	R418002312	28.25	142	–	–	1)
175	58	Center	riveted	180.1	192.1	KH 8175	R418000349	29.31	185	–	R418002721	–
185	61	Outer	riveted	164.6	201.4	KH 8185 Z	R418000438	34.04	160	–	–	1)
205	66	Center	riveted	204.9	216.9	KH 8205	R418001471	33.21	215	–	R418006564	–
210	70	Outer	riveted	192.5	229.4	KH 8210 Z	R418000434	37.21	185	–	R418002427	1)
240	76	Outer	riveted	211.1	248	KH 8240 Z	R418013581	41.45	205	–	–	1)
280	92	Center	riveted	285.7	297.7	KH 8280	R418000682	46.19	290	–	R418002439	–
300	98	Center	riveted	304.3	316.3	KH 8300	R418002718	48.58	310	–	R418002719	–
						KH 8300 D	R418005120	48.49			–	2)
375	122	Center	riveted	378.8	390.8	KH 8375 D	R418000681	60.95	385	–	R418008710	2)

1) Reinforcement plates

2) doubled construction

Number of rows = number of all links per joint

## Inverted tooth chain drives ▶ Inverted tooth chain drive, KH series

### Inverted tooth chain drive, Series KH

▶ 2" pitch = 50,8 mm



23045

Types of guides

Standard delivery

Number of links

Lubrication

Minimum number of teeth for the sprockets

Center guide

Side guide

open, with splint pin lock  
overall width  $bg + 6$  mm

Number of links equal to number of pitches.

For circulating chains, an even number of links must be used.

Uneven numbers of links are permitted only if the ends of the chain are connected to external parts.

Pay attention to correct lubrication.

15 teeth

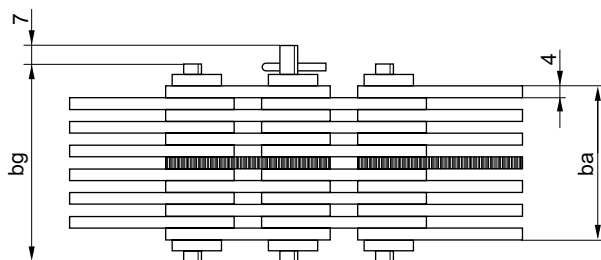
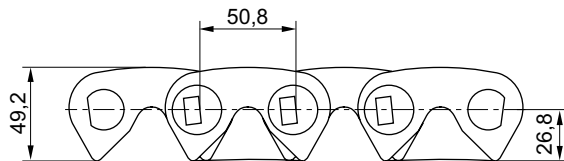
from 1 m/s  $\geq$  23 teeth

Further information can be found in the operating instructions.

#### Ordering information

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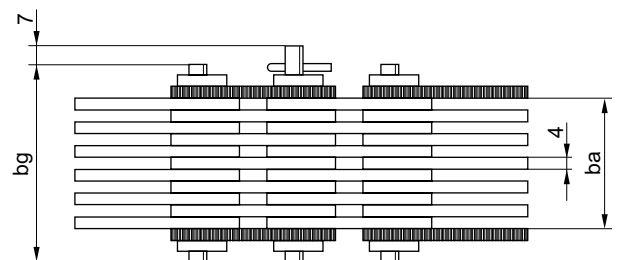
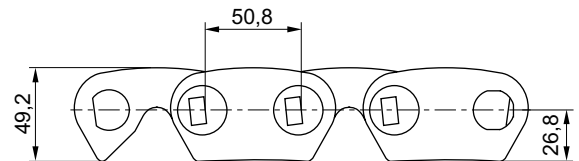
#### Dimensions in mm, Center guide



23076

Illustration exemplary for a standard tooth chain with single center guide.

#### Side guide



23077

Illustration exemplary for a standard tooth chain with single outer guide.

Nominal width	Number of rows	Guide	Lock type	Working width $ba$	Total width $bg$	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
70	17	Center	riveted	71.1	84.1	KH 970	R418000450	15.57	75	-	R418000916	-
90	21	Center	riveted	87.8	100.8	KH 990	R418000441	18.99	100	-	R418001748	-
100	25	Center	riveted	104.5	117.5	KH 9100	R418000010	22.43	110	-	-	-
115	29	Center	riveted	121.2	134.2	KH 9115	R418000442	25.87	125	R418003015	R418002597	-
135	33	Center	riveted	137.9	150.9	KH 9135	R418000443	29.41	145	-	R418001254	-
150	37	Center	riveted	154.7	167.7	KH 9150	R418000444	33.21	160	-	R418001278	-

1) Reinforcement plates

Number of rows = number of all links per joint

## Inverted tooth chain drive, Series KH

► 2" pitch = 50,8 mm

Nominal width	Number of rows	Guide	Lock type	Working width ba	Total width bg	Designation	Drawing number	Weight per meter	Sprocket tooth width	Rivet pin lock	Splint pin lock	Note
[mm]				[mm]	[mm]			[kg]	[mm]			
180	45	Center	riveted	188.1	201.1	KH 9180	R418000445	40.25	190	R418014736	R418002709	–
185	45	Outer	riveted	154.7	201.1	KH 9185 Z	R418000447	44.66	148	–	R418002709	1)
200	48	Outer	riveted	158.8	213.6	KH 9200 Z	R418000876	47.05	154	–	–	1)
205	50	Center	riveted	209	222	KH 9205	R418000686	44.6	215	–	R418011267	–
220	52	Outer	riveted	200.6	230.4	KH 9220 Z	R418007136	49.73	192	–	–	1)
230	56	Center	riveted	234.1	247.1	KH 9230	R418007049	49.02	240	–	R418014047	–
245	58	Outer	riveted	225.7	255.4	KH 9245 Z	R418000446	55.61	216	–	R418005646	1)
255	62	Outer	riveted	250.8	272.2	KH 9255 A	R418000690	55.61	240	–	–	–
		Center		259.2		KH 9255	R418000687	55.87	265	–	R418015489	–
275	66	Center	riveted	275.9	288.9	KH 9275	R418008246	58.68	285	–	R418008247	–
285	68	Center	riveted	284.2	297.2	KH 9285	R418000689	59.79	295	–	R418013235	–
305	74	Center	riveted	309.3	322.3	KH 9305	R418000688	63.99	315	–	R418007680	–

1) Reinforcement plates

Number of rows = number of all links per joint