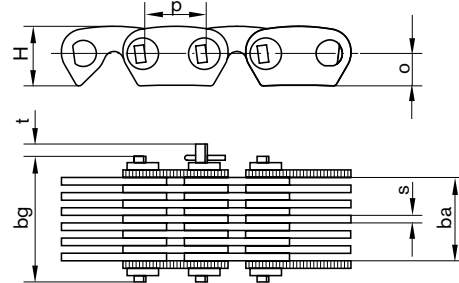
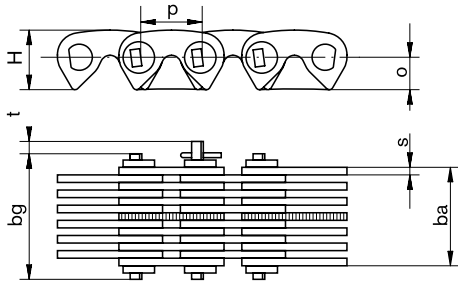


KH inverted tooth chains

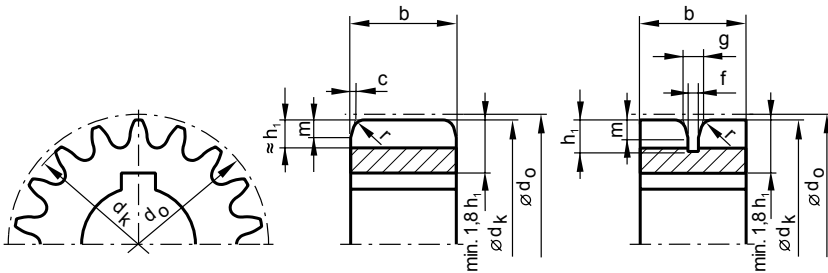


Pitch p	Designation no.	RZ	Nominal width b_n	Working width b_s	Total width b_g	Design breaking load	Weight [kg/m]	Sprocket width b	H	o	s	t
5/16" = 7.9375 mm	KH 2212 A	12	12	10.7	16.8	5.6	0.5	9.5	7.7	4.2	1.0	2.0
	KH 2215 A	14	15	12.8	18.9	6.6	0.6	11.5				
	KH 2220 A	18	20	17.0	23.2	8.6	0.7	15.5				
	KH 2225	25	25	26.6	30.6	12.7	0.9	30.0				
3/8" = 9.525 mm	KH 015 A	10	15	12.5	19.9	12.1	0.8	11.5	9.2	5.2	1.5	2.0
	KH 020 A	13	20	17.2	24.5	14.8	1.0	16.0				
	KH 025	17	25	26.6	30.8	22.9	1.1	30.0				
	KH 030	21	30	32.9	37.1	28.3	1.4	35.0				
	KH 040	25	40	39.1	43.3	33.7	1.7	45.0				
1/2" = 12.7 mm	KH 315 A	10	15	12.5	21.3	16.0	1.0	11.5	12.3	6.7	1.5	2.5
	KH 320 A	13	20	17.2	25.9	19.6	1.2	16.0				
	KH 325	17	25	26.6	32.2	30.3	1.4	30.0				
	KH 330	21	30	32.9	38.5	37.4	1.8	35.0				
	KH 335	25	35	39.1	44.7	44.6	2.1	40.0				
	KH 350	33	50	51.6	57.2	58.9	2.8	55.0				
5/8" = 15.875 mm	KH 425	13	25	27.0	32.8	39.7	1.9	30.0	15.4	8.4	2.0	3.0
	KH 435	17	35	35.4	41.2	52.0	2.5	40.0				
	KH 450	25	50	52.0	57.8	76.5	3.6	55.0				
	KH 465	33	65	68.6	74.4	100.9	4.8	70.0				
3/4" = 19.05 mm	KH 535	17	35	35.4	42.4	65.0	2.9	40.0	18.5	10.1	2.0	3.5
	KH 550	25	50	52.0	59.0	95.6	4.3	55.0				
	KH 565	33	65	68.6	75.6	126.2	5.7	75.0				
	KH 575	37	75	77.0	84.0	141.5	6.4	80.0				
1" = 25.4 mm	KH 650	17	50	52.6	60.6	126.4	5.9	55.0	24.6	13.1	3.0	4.0
	KH 665	21	65	65.0	73.0	156.1	7.3	70.0				
	KH 675	25	75	77.4	85.4	185.9	8.7	80.0				
	KH 6100	33	100	102.1	110.1	245.4	11.4	105.0				
1 1/2" = 38.1 mm	KH 865	21	65	65.2	77.2	232.0	10.8	75.0	36.9	20.1	3.0	6.0
	KH 875	25	75	77.6	89.6	276.2	12.9	85.0				
	KH 8100	33	100	102.5	114.5	364.6	17.0	110.0				
	KH 8150	49	150	152.1	164.1	541.4	25.2	160.0				
2" = 50.8 mm	KH 9100	25	100	104.5	117.5	478.1	22.6	110.0	49.2	26.8	4.0	7.0
	KH 9115	29	115	121.2	134.2	554.6	26.2	125.0				
	KH 9150	37	150	154.7	167.7	707.6	33.5	160.0				
	KH 9180	45	180	188.1	201.1	860.6	40.7	190.0				

Dimensions in mm – Design breaking load in kN – RZ (Number of rows) = number of all link plates per joint – Other pitches and widths on request.

- KH inverted tooth chains are delivered open and with a split pin lock if not specified otherwise.
- Uneven numbers of links are permitted for revolving chains. However, in this case the design breaking load will be reduced to approx. 80% of the value in the table.
- Uneven numbers of links are also permitted if the ends of the chain are connected to external parts.

KH inverted tooth sprockets



Minimum number of teeth:
 5/16" to 3/4" = 13 teeth
 from 1" = 15 teeth

Tip diameter dk								
Number of teeth z	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	2"
13	31.9	38.6	51.5	64.4	77.2	-	-	-
14	34.5	41.7	55.6	69.5	83.4	-	-	-
15	37.1	44.8	59.7	74.6	89.6	119.4	179.2	238.9
16	39.7	47.9	63.8	79.8	95.7	127.6	191.5	255.4
17	42.3	51.0	67.9	84.9	101.9	135.8	203.8	271.7
18	44.9	54.0	72.0	90.0	108.0	144.0	216.0	288.1
19	47.4	57.1	76.1	95.1	114.1	152.2	228.3	304.4
20	50.0	60.1	80.1	100.2	120.2	160.3	240.5	320.7
21	52.5	63.2	84.2	105.3	126.3	168.5	252.7	337.0
22	55.1	66.3	88.3	110.4	132.4	176.6	264.9	353.3
23	57.7	69.3	92.3	115.4	138.5	184.7	277.1	369.5
24	60.2	72.3	96.4	120.5	144.6	192.9	289.3	385.8
25	62.8	75.4	100.5	125.6	150.7	201.0	301.5	402.1
26	65.3	78.4	104.5	130.7	156.8	209.1	313.7	418.3
27	67.8	81.5	108.6	135.8	162.9	217.3	325.9	434.6
28	70.4	84.5	112.7	140.8	169.0	225.4	338.1	450.8
29	72.9	87.6	116.7	145.9	175.1	233.5	350.3	467.0
30	75.5	90.6	120.8	151.0	181.2	241.6	362.4	483.3
31	78.0	93.7	124.8	156.1	187.3	249.7	374.6	499.5
33	83.1	99.8	133.0	166.2	199.5	266.0	399.0	532.0
35	88.2	105.8	141.1	176.3	211.6	282.2	423.3	564.4
37	93.2	111.9	149.2	186.5	223.8	298.4	447.6	596.8
39	98.3	118.0	157.3	196.6	235.9	314.6	471.9	629.2
41	103.4	124.1	165.4	206.7	248.1	330.8	496.2	661.6
43	108.4	130.1	173.5	216.9	260.2	347.0	520.5	694.0
45	113.5	136.2	181.6	227.0	272.4	363.2	544.8	726.4
47	118.6	142.3	189.7	237.1	284.5	379.4	569.1	758.8
49	123.7	148.4	197.8	247.2	296.7	395.6	593.4	791.2
51	128.7	154.5	205.9	257.3	308.8	411.8	617.7	823.6
55	138.8	166.6	222.1	277.6	333.1	444.1	666.2	888.3
60	151.5	181.7	242.3	302.9	363.4	484.6	726.9	969.3
70	176.8	212.1	282.7	353.4	424.1	565.5	848.3	1131.1
80	202.1	242.4	323.2	404.0	484.8	646.4	969.7	1292.9
90	227.4	272.8	363.6	454.6	545.5	727.3	1091.0	1454.7
100	252.7	303.1	404.1	505.1	606.1	808.2	1212.3	1616.4
110	277.9	333.5	444.5	555.6	666.8	889.0	1333.6	1778.1
120	303.2	363.7	484.9	606.2	727.4	969.9	1454.9	1939.9
130	328.5	394.3	525.4	656.8	788.1	1050.8	1576.2	2101.7
140	353.7	424.6	565.8	707.3	848.8	1131.7	1697.6	2263.4
150	379.0	454.7	606.2	757.8	909.4	1212.5	1818.8	2425.1

Guideway and profile				
Pitch p	5/16"	3/8"	1/2"	5/8"
g	3.5	4.0	4.0	5.0
f	2.5	3.0	3.0	4.0
h ₁	5.0	6.5	8.0	10.0
m	3.0	4.0	5.0	6.0
r	2.0	2.0	2.0	3.0
c	0.5	0.5	0.5	0.5

Guideway and profile				
Pitch p	3/4"	1"	1 1/2"	2"
g	5.0	8.0	9.0	11.0
f	4.0	6.0	6.0	8.0
h ₁	12.0	16.0	23.0	31.0
m	8.0	10.0	16.0	20.0
r	3.0	3.0	4.0	4.0
c	0.5	1.0	1.5	1.5

The pitch circle diameter helps determine the correct external diameter of the sprocket with an attached chain in new condition.

Pitch circle diameter:

$$d_0 = \frac{p}{\sin(180^\circ/z)}$$

Max. diameter incl. chain:

$$D_{max} = d_0 + 2 \cdot (H - o)$$