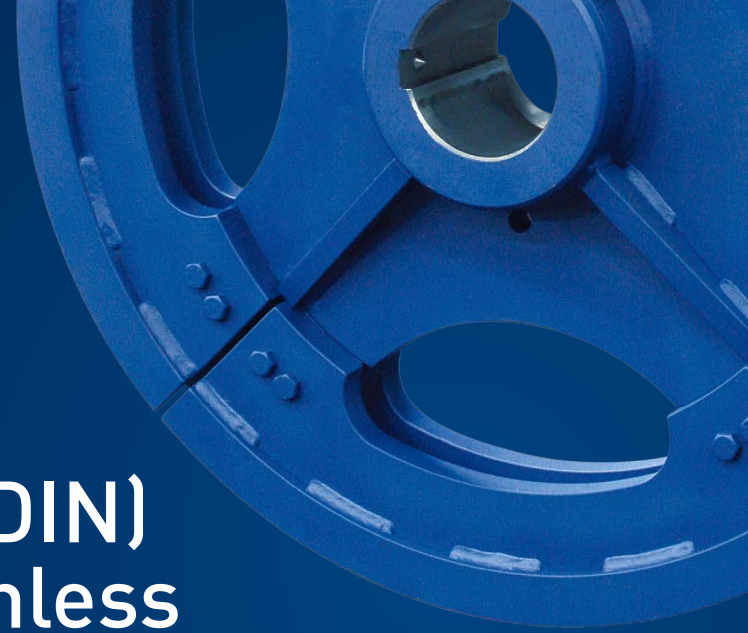




HEKO round link chains (DIN) Chain wheels, toothless

HEKO manufactures chain wheels in all dimensions and executions.
Due to a large number of variants, practically every chain wheel is unique.
Furthermore, HEKO manufactures as per individual specification given by the client.

Modern CNC machining centres and automatic lathes are used for the mechanical processing of sprockets, chain rollers, idler rollers and shafts.

Technical Data for HEKO chain wheel toothless:



Type:

RUA

page 2

RUU

page 2

**RUP
RUR**

page 3

**KS
SUR**

page 4

**GGB
RUB**

page 5

**„HEKOFLEX“
RUH / RUHS**

page 6



HEKO toothless chain wheels with replaceable steel rims, type RUA and RUU



- For rear and side wall mounted buckets
- With openings to prevent product build-up
- Steel hubs
- Rims made from special CrMo alloy steel, tempered and quenched on request
- Can be supplied with chain guide on one or both sides



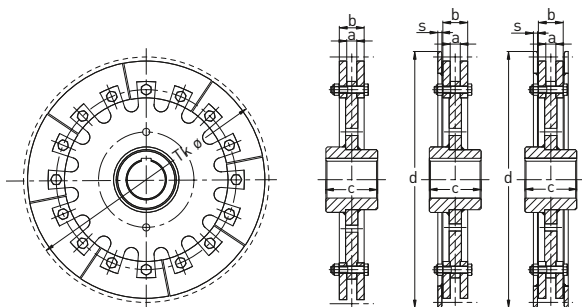
HEKO chain wheels RUA

- Preferred as drive wheel
- Suitable for high loads

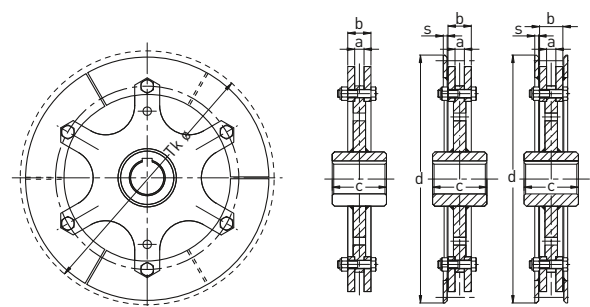


HEKO chain wheels RUU

- As drive wheel with medium loads
- As tension wheel and snub wheel due to large dropout openings



HEKO chain wheel RUA without chain guide,
RUA I with guide one side and RUA II both sides



HEKO chain wheel RUU without chain guide,
RUU I with guide one side and RUU II both sides

PCD (mm)	to suit chain nominal diameter (mm)	chain shackle (mm)	dimensions (mm)					number of segments for each wheel		weight without chain guide (kg/each)	
			a	b	c	d	s	RUA	RUU	RUA	RUU
Tk Ø	d	t									
400	10	35	15	35	80	420	12	12	6	40	30
	13	45	18	48	80	420	12	12	6	40	30
500	13	45	18	48	100	525	12	12	6	50	45
	16	56	21	51	100	525	12	12	6	62	45
630	16	56	21	51	160	650	12	12	6	81	80
	18	63	23	59	160	650	12	12	6	110	85
710	20	70	25	65	160	650	12	12	6	115	85
	20	70	25	65	160	750	12	12	6	165	115
800	23	80	28	68	160	850	15	12	6	220	155
	26	91	32	78	160	850	15	12	6	220	220
900	26	91	32	78	190	950	15	16	8	295	260
	30	105	36	96	200	1050	15	16	8	390	340
1000	30	105	36	96	220	1300	15	16	8	630	530
	36	126	42	112	220	1300	15	16	8	660	530
1400	39	136	45	125	240	1450	15	18	8	850	805
	42	147	48	128	260	1450	15	18	8	850	840
1500	42	147	48	128	260	1550	15	18	8	960	960

PCD = pitch circle diameter; d = diameter; t = pitch; c = length of hub / Further dimensions and qualities on request.

HEKO toothless chain wheels with replaceable steel rim segments type RUP and RUR

- Suitable as drive and tension wheel
- For rear and side mounted buckets
- 90° rim segment for easy assembly - 180° rim segment on request
- Segments manufactured from CrMo-alloy steel, tempered and quenched on request
- Can also be supplied with chain guides one or both sides



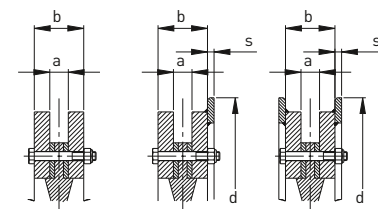
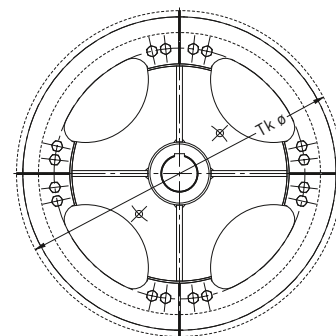
HEKO chain wheel type RUP with guide both sides



HEKO chain wheel type RUR

HEKO chain wheels Type RUP

PCD (mm)	to suit chain nominal diameter (mm)	chain shackle (mm)	bucket width	dimensions (mm)					weight without chain guide (kg/each)
Tk Ø	d	t		a	b	c	d	s	
500	16	63	160	18	48	150	520	12	50
			200	18	48	150	520	12	55
630	18	70	250	23	57	150	650	12	85
			315	23	57	150	650	12	90
710	20	80	400	33	74	150	734	12	115
820	23	91	500	36	90	150	845	15	175
930	26	105	630	36	96	180	960	15	290
1000	30	126	800	42	112	200	1040	15	350
1130	30	126	1000	48	120	200	1164	15	410
1250	36	147	1250	62	150	250	1290	15	540
1340	36	147	1400	62	150	250	1385	15	760

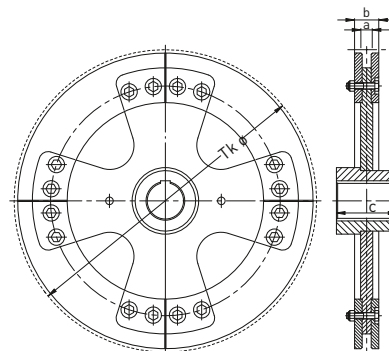


HEKO chain wheel RUP with 90° replaceable rim segments without chain guide, RUP I with guide on one side and RUP II with guide on both sides

PCD = pitch circle diameter; d = diameter; t = pitch; c = length of hub. Further dimensions and qualities on request.

HEKO chain wheels type RUR

PCD (mm)	to suit chain nominal diameter (mm)	dimensions (mm)			number of segments each wheel	weight without chain guide (kg/each)
Tk Ø	d	a	b	c	90° segments	
500	13	19	55	120	8	70
	14	19	55	120	8	70
630	16	22	62	140	8	135
710	19	27	71	160	8	170
	20	27	71	160	8	170
800	22	29	79	170	8	250
	23	29	79	170	8	250
900	26	33	93	200	8	350
1000	30	40	110	200	8	500
1250	34	44	114	220	8	640
	36	44	114	220	8	640



HEKO chain wheel RUR with replaceable 90° rim segments

PCD = pitch circle diameter; d = diameter; c = length of hub. Further dimensions and qualities on request.

HEKO toothless chain wheels with replaceable rim segments in white cast iron, type KS, KSE and SUR



HEKO chain wheels type KS

- Segments type KS with chain guide both sides, suitable only for rear mounted buckets



HEKO chain wheels type KSE

- Segments type KSE with chain guide one side suitable for side wall mounted buckets



HEKO chain wheels type SUR

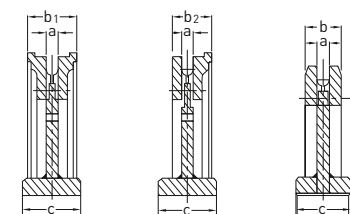
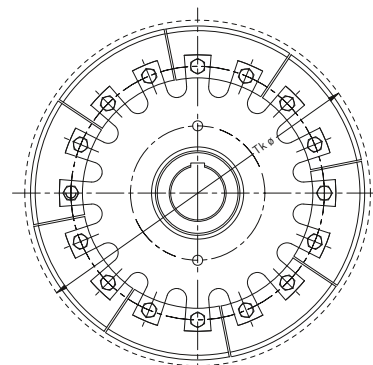
- Segments type SUR without chain guide for rear and side wall mounted buckets

PCD (mm)	to suit chain (mm)	chain shackle (mm)	dimensions (mm)					number of segments each wheel	weight (kg/each)		
				SUR	KS	KSE					
Tk Ø	d	t	a	b	b ₁	b ₂	c	pro Rad	SUR	KS	KSE
400	16	56	22	66			100	12	38		
500	13	45	18	60	90	65	100	(12 SUR) 8	51	60	55
	16	56	22	66	100	75	100	(12 SUR) 8	53	60	55
	20	70	28	80	118	91	100	(12 SUR) 8	57	65	60
630	16	56	22	66	120	75	160	12	103	130	120
	20	70	28	80	130	97	160	12	105	135	125
	23	80	30		140	110	160	12		140	130
	26	91	32			125	160	12			135
710	16	56	22		130	97	160	12		185	175
	20	70	28	80	130	102	160	12	165	190	180
	23	80	30	90	140	110	160	12	180	190	180
	26	91	34		164	125	160	12		210	190
	30	105	36			130	160	12			195
800	16	56	22		132		160	12		250	
	23	80	30	90	140	110	160	12	221	255	235
	26	91	34	100	160		160	12	228	260	
	30	105	36			130	160	12			250
900	16	56	20			75	190	16			300
	20	70	26			102	190	16			310
	23	80	30		145		190	16		335	
	26	91	34	100	170	129	190	16	277	345	320
	30	105	40	120	176		190	16	318	355	
1000	20	70	26			100	200	16			340
	23	80	30		140	110	200	16		420	360
	26	91	36		180	133	200	16		440	380
	30	105	40	120	185	133	200	16	390	445	405
	36	126	46	135			200	16	420		
1250	26	91	32			138	220	16			625
	30	105	40	120	185	133	220	16	643	705	645
	36	126	46	135	200	161	220	16	658	735	680
	39/42	136/147	46	145			220	16	702		
1400	36	126	46	135			240	18	770		
	39/42	136/147	46	145			240	18	850		
1500	36	126	46	135			240	18	920		
	39/42	136/147	46	145			240	18	980		
1600	36	126	46	135			260	20	1080		
	39/42	136/147	46	145			260	20	1150		

PCD = pitch circle diameter; d = diameter; t = pitch; c = length of hub. Further dimensions and qualities on request.



- Suitable for low to medium loads
- Segments made from white cast iron
- Hubs manufactured from cast iron or steel
- Alternatively fitted with rim segments manufactured from wear resistant CrMo alloy steel for more arduous operating conditions (Arrangement similar to chain wheels type RUA on page 2)



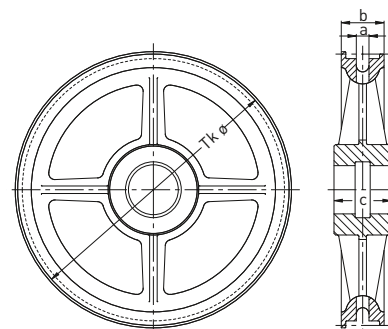
Toothless chain wheel in grey cast iron, type GGB

- Suitable as tension wheel with low loads
- Suitable for rear wall mounted buckets only



HEKO chain wheels type GGB

PCD (mm)	to suit chain nominal diameter (mm)	chain shackle (mm)	dimensions			weight ca.
			(mm)			
Tk Ø	d	t	a	b	c	(kg/each)
400	13	45	18	70	80	30
	16	56	22	90	100	32
500	13	45	17	90	100	48
	16	56	22	90	100	48
630	16	56	22	110	160	95
	20	70	28	130	160	115
710	20	70	28	130	160	150
800	23	80	30	140	160	200
	26	91	34	140	160	200
900	26	91	34	170	190	290
1000	30	105	40	180	200	370
1250	30	105	40	190	220	530
	36	126	46	190	220	530



PCD = pitch circle diameter; d = diameter; t = pitch; c = length of hub. Further dimensions and qualities on request.

Bucket guide, replaceable, type RUB

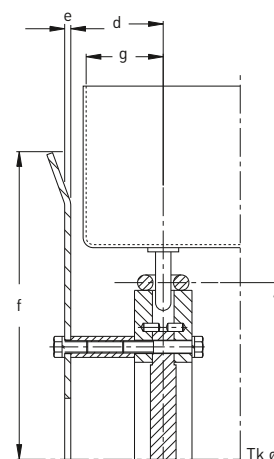
- For bucket guide around the tension wheel
- Available in customized design and dimensions
- Suitable for all types of chain wheels



HEKO bucket guides type RUB

PCD (mm)	to suit chain nominal diameter (mm)	chain shackle (mm)	bucket width	dimensions				weight ca.
				(mm)				
Tk Ø	d	t		f	d	e	g	(kg/each)
500	10	45	160	650	46	6	30	12
	13	56	200	650	53	6	37.5	12
630	16	63	250	840	65	8	45	27
	18	70	315	840	77	8	57.5	27
710	20	80	400	980	95	8	75	39
800	23	91	500	1100	115	10	92.5	59
900	26	105	630	1250	140	12	115	100
1000	30	126	800	1380	180	12	150	119
1250	36	136	1000	1700	215	15	185	215

PCD = pitch circle diameter; d = diameter; t = pitch. Further dimensions and qualities on request.



Toothless chain wheels with „HEKOFLEX“ - Plastic rim segments type RUH and type RUHS

- silent running
- In case of small centre distance and lubricating material also suitable as non-toothed drive wheels

HEKOFLEX segmented rims are manufactured from polyurethane, which has excellent properties to ensure a good service life. A steel-polyurethane combination is used for higher load applications, thereby combining the higher load-carrying capability of the steel core and improved friction grip of the polyurethane.

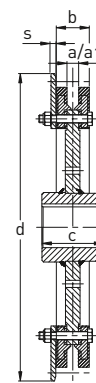
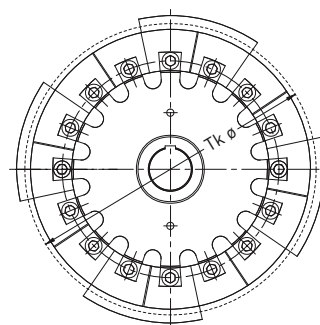
In addition to the improved friction grip of the polyurethane, larger loads can be accommodated thus improving the service life compared to the normal HEKOFLEX segments. HEKOFLEX rims can be used with operating temperatures up to 100° C.



HEKOFLEX rim segment type RUHS, contact areas hardened



HEKOFLEX rim segment type RUH with steel or cast iron core



Dimensions of HEKOFLEX plastic segments type RUH and RUHS

PCD (mm) Tk Ø	to suit chain nominal diameter (mm) d	chain shackle (mm) t	dimensions (mm)					number of segments each wheels	weight without chain guide (kg/each)	model reference
			a/a ₁	b	c	d	s			
400	13	45/56	18/20	72	80	430	10	12	35	SCU-400-6-13/16
500	13	45/56	18/20	73	100	535	10	12	50	SCU-500-13/16/18
	16	56/63	20/23	79		535	10	12		
630	16	56/63	20/23	79	160	660	10	12	90	SCU-630-16/18/20
	18	63/70	23/25	84		660	10	12		
	20	70/80	25/28	89		660	10	12		
710	20	70/80	25/28	98	160	750	15	12	140	SCU-710-6-20/23
	23	80/91	28/32	105		750	15	12		
800	23	80/91	28/32	111	160	850	15	12	200	SCU-800-6-23/26
	26	91/105	32/36	121		850	15	12		
900	26	91/105	32/36	128	190	950	15	16	290	SCU-900-8-26/30
	30	105/126	36/42	140		950	15	16		
1000	30	105/126	36/42	146	200	1040	20	16	340	SCU-1000-8-30/33/36
	33	126/136	40/45	153		1040	20	16		
	36	126/136	42/45	153		1040	20	16		
1250	36	126/136	42/45	159	220	1300	20	16	510	SCU-1250-8-36/39
	39	136/147	45/50	169		1300	20	16		

PCD = pitch circle diameter; d = diameter; t = pitch with side mounted shackle DIN 745 and other shackles, dimensional differences must be considered.
We will be pleased to assist with applications involving large shaft centres and throughputs.