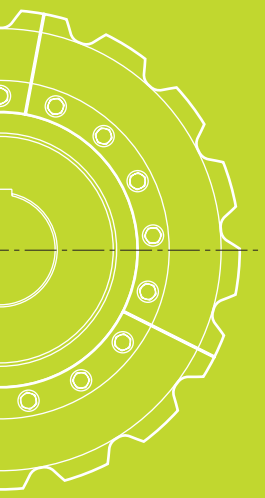
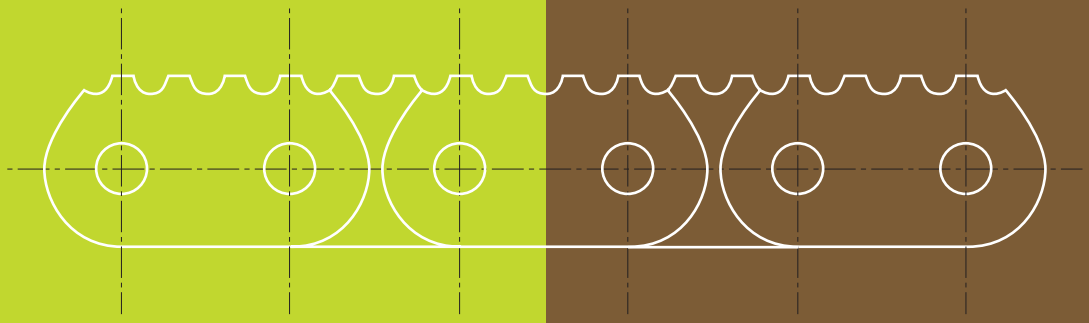
GB

KettenWulf





Chains and sprockets for the wood industry

Products for all conveying processes in the wood industry

Contents

The KettenWulf Group

The company headquarters in Kückelheim

For over 85 years, KettenWulf, as an expanding global company, has stood for quality, reliability and flexibility. More than 1200 employees develop, produce and market customized solutions in the field of conveying and drive technology at ten locations across Europe, America and Asia. All around the globe, KettenWulf is your strategic partner when it comes to delivering optimal product quality.

Trust, loyalty and commitment – these values are what KettenWulf stands for. As a medium-sized, family-run company, cultivating a strong, personalized partnership with both our customers and suppliers is our highest priority.

Be it the Sauerland, Hangzhou, Atlanta or Pune – as an international company with worldwide operations, our employees are always at your service to meet your unique business needs and to provide you with industry leading technical support.

Illustration top right: **KettenWulf in Ferlach, Austria**

Illustration center right: **KettenWulf in Atlanta, USA**

Illustration bottom right: **KettenWulf production and distribution site in Hangzhou, China**

Leading equipment manufacturers as well as equipment operators worldwide put their trust in chain technology made by KettenWulf. In close collaboration with our customers we develop and manufacture specific and effective product solutions at the highest possible quality level.

We have more than 85 years of research, production and service invested in the develpoment of innovation technologies, which results in a board range of both time proven and technically matured products for the wood handling industry and OEM market.

Always considering the high requirements of the respective operation purpose, our engineers and designers develop optimal solutions for your specific conveyor application. KettenWulf provides solutions for nearly all conveying processes of the wood industry, such as

- Log transport
- Sawing line and plank transport
- Wood chips handling
- Wood processing

We are partners of the wood industry

KettenWulf conveyor and drive chains meet the high requirements of wood handling, e.g. of an infeed log conveyor

Chains for all conveying processes in the wood industry

In cost-efficient wood handling, conveyor chains, drive chains and sprockets are responsible for a smooth production process. Many of our products for the wood industry are available ex stock so that spare parts can be delivered even on short notice to prevent unnecessary downtime.

Chains for log sorting

Chains for lumber sorting

Chains for wood chips handling

Chains for wood processing

In the log yard, KettenWulf conveyor and drive chains are used in different processes such as the log infeed conveyor, root reducer, trimming station, sorting strand and log turner.

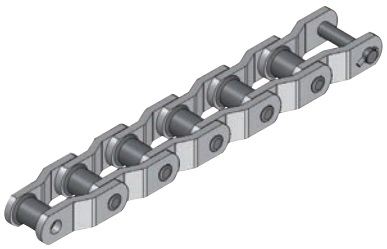
The requirements on our products in these applications are extremely high and as different as the individual production steps of wood handling. The quality of our products not only allows for longer maintenance intervals, but also guarantees an optimal service life.

Chains for log transport

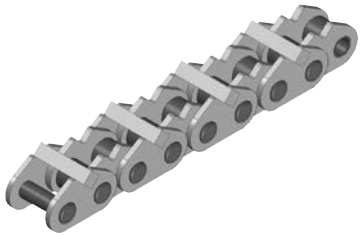
KettenWulf supplies products for a wide variety of applications for the log transport as, for example, the log turner

Chain applications for log transport

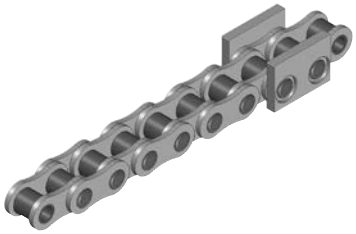
Log infeed conveyor



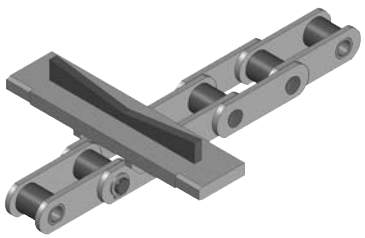
Root reducer



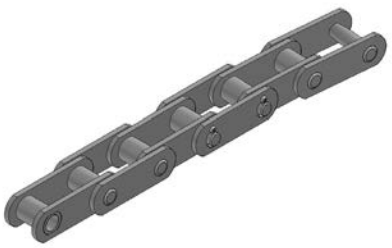
Debarking



Sorting strand



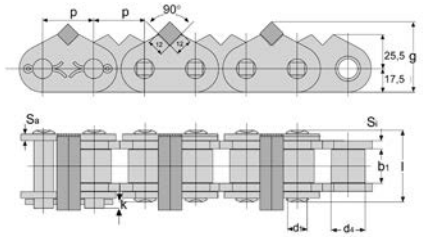
Log turner



Chains for log transport

Illustration 1 and 2: **Roller chains for root reducer**

1



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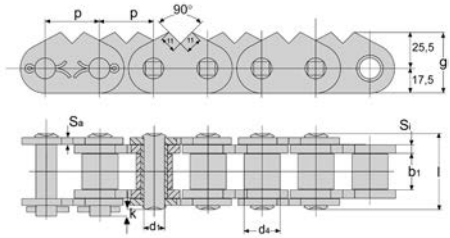
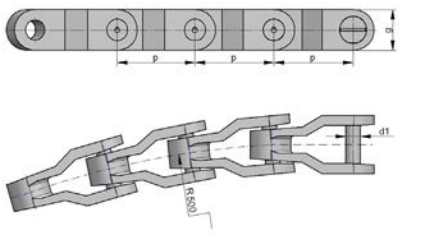


***Illustration* 3: Cast iron sidebow chain**

***Illustration* 4: Sidebow chain with biconical pin**

3



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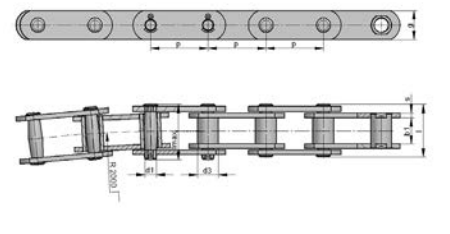

***Illustration* 5: Conveyor chain with hump link plate**

***Illustration* 6: Welded steel chain with cranked link plates and welded bushes**

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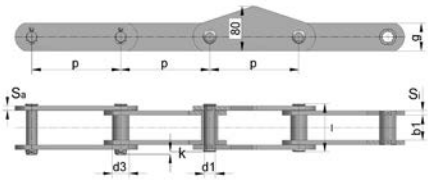

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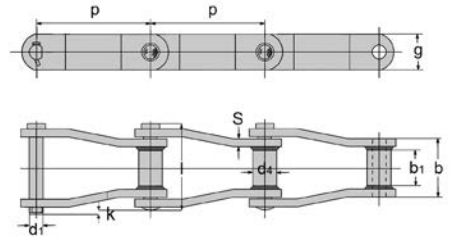


Illustration no.		Pitch in mm	Inner width min. in mm	Roller diameter/ bush diameter max. in mm	Pin diameter max. in mm	Pin length in mm	Max. excess length of connecting pin in mm	Thickness of link plate in mm	Height in mm	Bearing surface in cm^2	Tensile strength in N	Weight in kg/ m
	Chain type	p	b_1	d_3/d_4	d_1	l	k	S_i/S_a	g	f	F_B	q
1	**KW 24B-1-915**	38.1	25.4	25.4	14.63	54	6.6	6/ 5.0	52	5.54	160000	11.0
2	**KW 24B-1-1807**	38.1	25.4	25.4	14.63	54	6.6	6/ 5.0	43	5.54	160000	8.9
3	**KW CC600**	63.5	13.0	30.0	11.00	43	-	6	30	-	65000	5.0
4	**KW 3034**	100.0	45.0	36.0	20.00	90	10	8/ 8.0	50	-	170000	13.0
5	**KW 111280**	160.0	45.0	30.0	20.00	87	-	8/12.0	50	9.20	180000	13.2

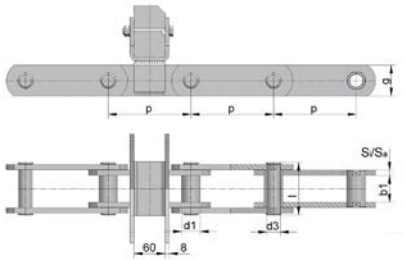
Welded Steel Chains

Illustration no.		Pitch in mm	Inner width min. in mm	Inner width ext. max. in mm	Tooth width max. in mm	Bush diameter max. in mm	Pin diameter max. in mm	Pin length in mm	Max. excess length of connecting pin in mm	Height in mm	Thickness of link plate in mm	Tensile strength in N	Admissible working load in N	Weight in kg/ m
	Chain type	p	b_1	b_2	b_1	d_3	d_1	l	k	g	S	F_B	F_{zul}	q
6	**KW WHX 124PIA**	103.20	41.2	76.5	38.5	44.45	25.4	125	3	50.8	12.70	504000	45000	20.0
	KW WHS 106PI	153.67	41.2	76.6	38.5	44.45	25.4	127	8	50.8	12.70	504000	45000	12.5
	KW WHX 157PI	153.67	70.0	113.0	65.0	44.45	28.7	177	4	63.5	15.88	552000	81000	28.0
	KW WH 132	153.67	70.0	108.0	65.0	44.45	25.4	156	5	50.8	12.70	465000	68000	19.0

These chains are available on request.

Illustration 1 and 2: **Plastic carriers available on request**

1



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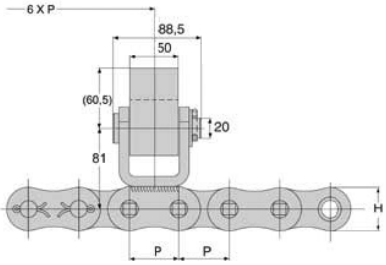

Illustration 3, 4 and 5: **Roller chains for sorting strand**

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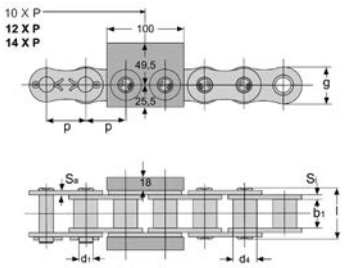

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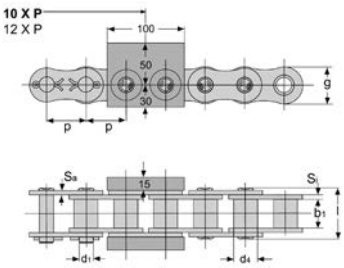

Illustration 6: **Example of a log carrier. These carriers usually come with induction hardened slides or plastic slats**

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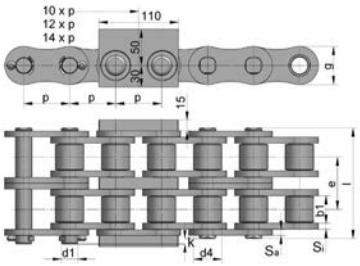

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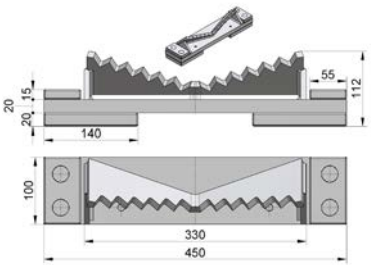


Illustration no.	Chain type	Pitch in mm p	Inner width min. in mm b_1	Roller diameter/ bush diameter max. in mm d_3/d_4	Pin diameter max. in mm d_1	Pin length in mm l	Max. excess length of connecting pin in mm k	Thickness of link plate in mm S_1/S_a	Height in mm g	Traverse pitch in mm e	Bearing surface in cm^2 f	Tensile strength in N F_B	Weight in kg/ m q
1	**KW 111287**	160.0	52.0	36.00	26.00	104	6	10.0/10	60.0	-	18.9	470000	18
2	**KW 32B-10702**	50.8	31.0	29.21	17.81	66	5	7.0/6.4	42.0	-	8.1	250000	20
3	**KW 32B-AV3386**	50.8	31.0	29.21	17.81	66	5	7.0/6.4	42.0	-	8.1	250000	14
4	**KW 40B-AV1243**	63.5	38.1	39.37	22.89	87	8	8.5/8	52.9	-	12.8	355000	21
5	**KW 40B-2-AV1243**	63.5	38.1	39.37	22.89	154	8	8.5/8	52.9	72.29	25.5	710000	38

Chains for sawing line and plank transport

Chains for sawing line and plank transport are available in many different configurations. KettenWulf offers a wide range of conveyor chains adjusted to meet the special requirements of each individual conveying job.

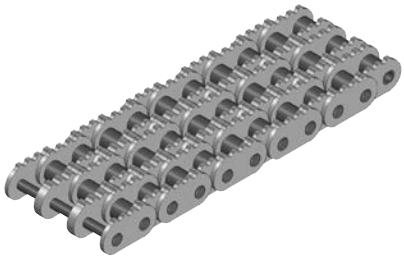
Our conveyor chains are used in the sawing line, the canter infeed, the plank separation, the plank storage and the palletization.

In order to improve the fatigue strength of our chains sized >12B, they come with block plates as intermediate plates and four-point riveted pins.

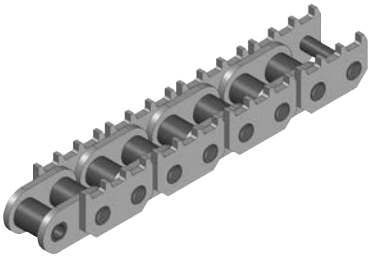
KettenWulf conveyor chains for the sawing line offer a maximal degree of fatigue strength, for example when being used in the canter infeed

Chain applications for sawing line and plank transport

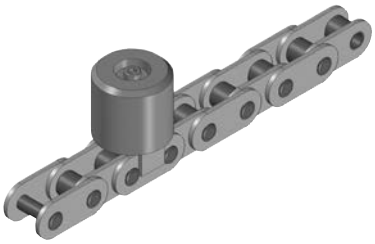
Canter infeed



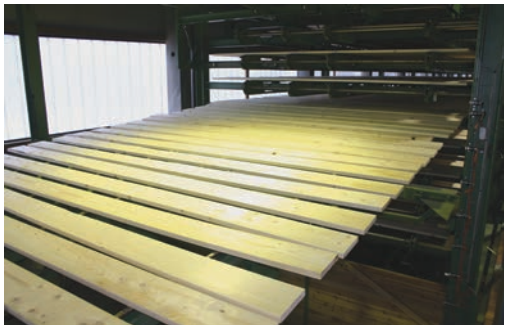
Sawing line

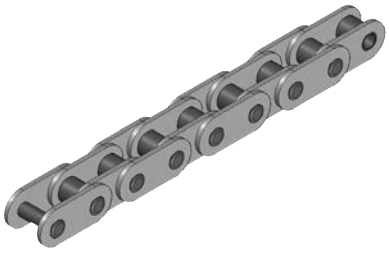


Plank separation

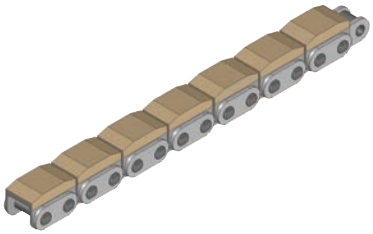


Plank sorting





Plank storage



Chains for sawing line and plank transport

***Illustration 1*: Chains also available in duplex configuration**

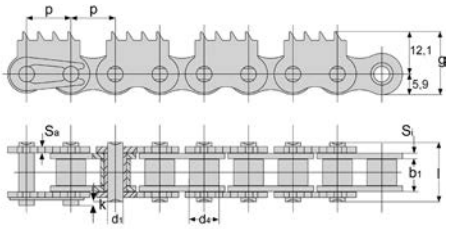
***Illustration 2*: Roller chain 10B-1 with sharp-toothed outer link plates**

***Illustration 3:* Roller chain 12B-1 with sharp-toothed link plates**

***Illustration 4:* Chains also available in duplex configuration**

***Illustration 5 and 6*: Chains also available in duplex and triplex configuration**

1



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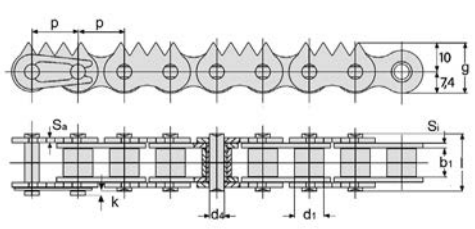

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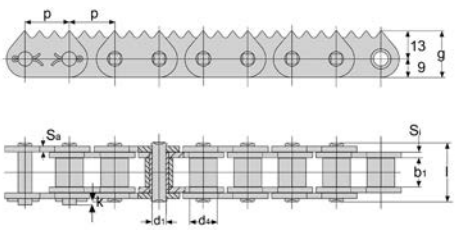

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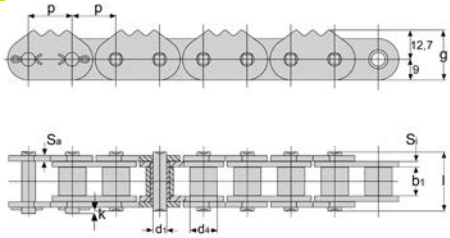

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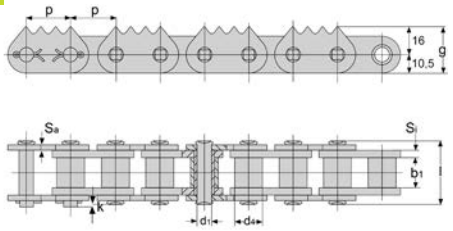

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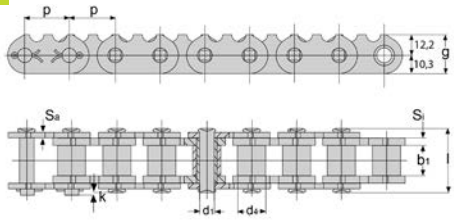
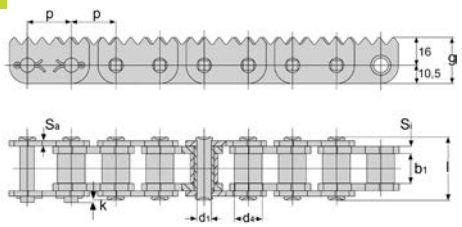


Illustration no.	Chain type	Pitch in mm	Inner width min. in mm	Roller diameter max. in mm	Pin diameter max. in mm	Pin length in mm	Max. excess length of connecting pin in mm	Thickness of link plate in mm	Height in mm	Traverse pitch in mm	Bearing surface in cm^2	Tensile strength in N	Weight in kg/ m
		p	b_1	d_4	d_1	l	k	S_i/S_a	g	e	f	F_B	q
1	**KW 08B-1-940**	12.70	7.75	8.51	4.45	16.7	1.8	1.60/1.60	18.0	-	0.50	18200	0.85
	KW 08B-2-940	12.70	7.75	8.51	4.45	31.2	1.8	1.60/1.60	18.0	13.92	1.01	32000	1.55
2	**KW 10B-1-106**	15.875	9.65	10.16	5.08	19.0	3.0	1.65/1.65	17.4	-	0.67	22400	1.15
3	**KW 12B-1-1325**	19.05	11.68	12.07	5.72	22.5	2.6	1.80/1.80	22.0	-	0.89	28900	1.60
4	**KW 60-1-910**	19.05	12.70	11.91	5.95	25.2	2.3	2.40/2.40	21.7	-	1.05	31800	1.65
	KW 60-2-910	19.05	12.70	11.91	5.95	49.0	2.3	2.40/2.40	21.7	22.80	2.10	62500	3.30
5	**KW 16B-1-1170**	25.40	17.02	15.88	8.28	36.0	3.6	4.20/3.10	26.5	-	2.10	60000	2.90
	KW 16B-2-1170	25.40	17.02	15.88	8.28	68.0	3.6	4.20/3.10	26.5	31.88	4.21	106000	5.80
	KW 16B-3-1170	25.40	17.02	15.88	8.28	100.0	3.6	4.20/3.10	26.5	31.88	6.31	166000	8.40
6	**KW 16B-1-1180**	25.40	17.02	15.88	8.28	36.0	3.6	4.20/3.10	22.5	-	2.10	60000	2.90
	KW 16B-2-1180	25.40	17.02	15.88	8.28	68.0	3.6	4.20/3.10	22.5	31.88	4.21	106000	5.80
	KW 16B-3-1180	25.40	17.02	15.88	8.28	100.0	3.6	4.20/3.10	22.5	31.88	6.31	166000	8.40

Illustration 1 and 2:
Chains also available in duplex and triplex configuration. Intermediate link plates come as block plates.

1



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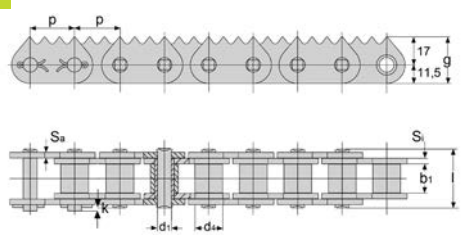
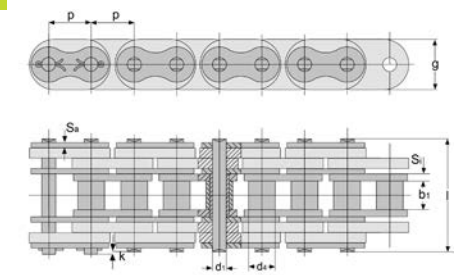


Illustration 3 and 4:
Roller chains with plastic plates made out of PA6

3



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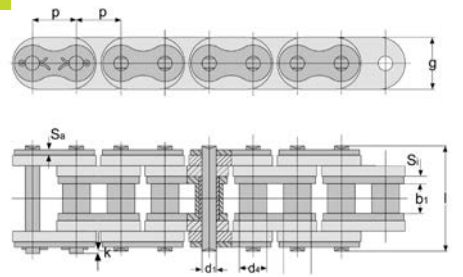

Illustration 5 and 6:
Chains also available in duplex and triplex configuration

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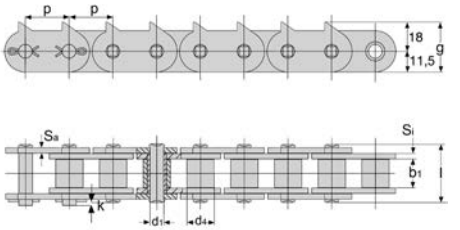

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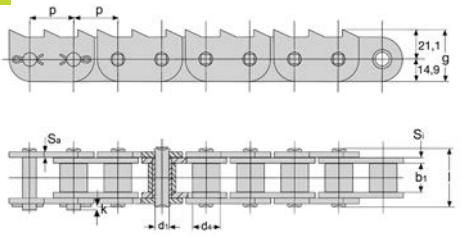


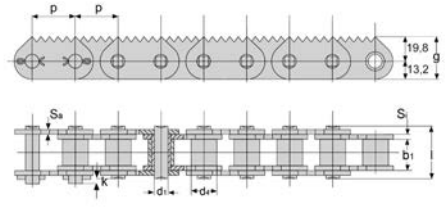
Illustration no.	Chain type	Pitch in mm p	Inner width min. in mm b_1	Roller diameter max. in mm d_4	Pin diameter max. in mm d_1	Pin length in mm l	Max. excess length of connecting pin in mm k	Thickness of link plate in mm S_i/S_a	Height in mm g	Traverse pitch in mm e	Bearing surface in cm^2 A_f	Tensile strength in N F_B	Weight in kg/ m q
1	**KW 16B-1-1186**	25.40	17.02	15.88	8.28	36.0	3.3	4.2/3.1	26.5	-	2.10	60000	3.00
	KW 16B-2-1186	25.40	17.02	15.88	8.28	68.0	3.3	4.2/3.1	26.5	31.88	4.21	106000	6.00
	KW 16B-3-1186	25.40	17.02	15.88	8.28	100.0	3.3	4.2/3.1	26.5	31.88	6.31	160000	9.00
2	**KW 80-1-1230**	25.40	15.88	15.88	7.93	33.0	3.9	3.2	28.5	-	1.77	73500	1.85
	KW 80-2-1230	25.40	15.88	15.88	7.93	61.8	3.9	3.2	28.5	29.30	3.54	147000	3.70
	KW 80-3-1230	25.40	15.88	15.88	7.93	91.2	3.9	3.2	28.5	29.30	5.31	220500	5.60
3	**KW 16BNMC19**	25.40	17.02	15.88	8.28	68.0	3.3	4.2/3.1	30.0	-	2.10	60000	3.30
4	**KW 16BNMC09**	25.40	17.02	15.88	8.28	62.0	3.3	4.2/3.1	30.0	-	2.10	27000	3.20
5	**KW 80-1-1274**	25.40	15.88	15.88	7.93	33.0	3.8	3.2	29.5	-	1.77	73500	2.95
	KW 80-2-1274	25.40	15.88	15.88	7.93	61.8	3.8	3.2	29.5	29.30	3.54	147000	5.70
	KW 80-3-1274	25.40	15.88	15.88	7.93	91.2	3.8	3.2	29.5	29.30	5.31	220500	8.60
6	**KW 100-1-1200**	31.75	19.05	19.05	9.53	34.9	4.0	4.0	36.0	-	2.58	112700	4.50
	KW 100-2-1200	31.75	19.05	19.05	9.53	75.0	4.0	4.0	36.0	35.80	5.16	225400	9.50
	KW 100-3-1200	31.75	19.05	19.05	9.53	111.0	4.0	4.0	36.0	35.80	7.73	338100	14.00

Chains for sawing line and plank transport

***Illustration 1*: Roller chain 20B with sharp-toothed link plates**

***Illustration 2:* Roller chain with two teeth; also available in duplex configuration**

1



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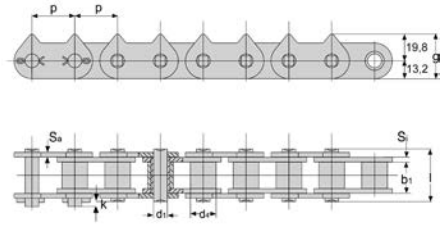
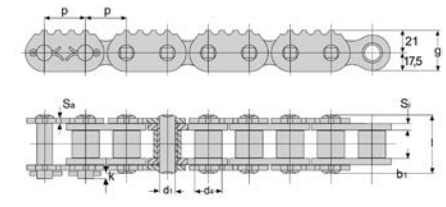


***Illustration 3*: Roller chain 24B with dull-toothed link plates; also available in duplex and triplex configuration**

***Illustration 4*: Roller chain 24B with sharp-toothed link plates; also available in duplex and triplex configuration**

3



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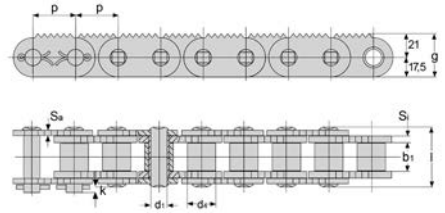
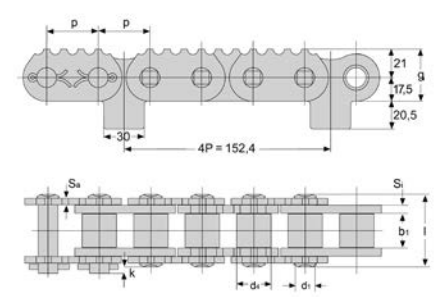


***Illustration 5:* Roller chain 24B with dull-toothed outer link plates; each second inner link with guiding plate**

***Illustration 6:* Roller chain 24B with sharp-toothed link plates; each second link with guiding plate. Chains also available in duplex configuration. Intermediate link plates come as block plates**

5



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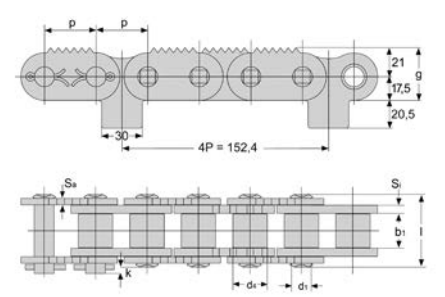
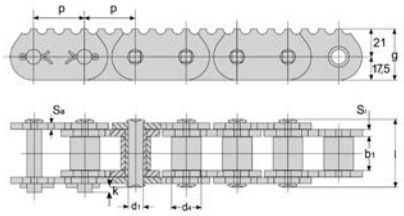


Illustration no.	Chain type	Pitch in mm p	Inner width min. in mm b_1	Roller diameter max. in mm d_4	Pin diameter max. in mm d_1	Pin length in mm l	Max. excess length of connecting pin in mm k	Thickness of link plate in mm S_i/S_a	Height in mm g	Traverse pitch in mm e	Bearing surface in cm^2 f	Tensile strength in N F_B	Weight in kg/ m q
1	**KW 20B-1-1310**	31.75	19.56	19.05	10.19	41.0	3.4	4.5/3.5	33.0	-	2.96	95000	5.0
2	**KW 20B-1-1350**	31.75	19.56	19.05	10.19	41.0	3.4	4.5/3.5	33.0	-	2.96	95000	4.6
	KW 20B-2-1350	31.75	19.56	19.05	10.19	77.2	3.4	4.5/3.5	33.0	36.45	5.92	170000	9.1
3	**KW 24B-1-1794**	38.10	25.40	25.40	14.63	54.0	4.7	6.0/4.8	38.5	-	5.54	160000	8.6
	KW 24B-2-1794	38.10	25.40	25.40	14.63	101.0	4.7	6.0/4.8	38.5	48.36	11.09	280000	17.2
4	**KW 24B-1-1820**	38.10	25.40	25.40	14.63	54.0	4.7	6.0/4.8	38.5	-	5.54	160000	9.1
	KW 24B-2-1820	38.10	25.40	25.40	14.63	101.0	4.7	6.0/4.8	38.5	48.36	11.09	280000	18.0
5	**KW 24B-1-1809**	38.10	25.40	25.40	14.63	54.0	4.7	6.0/4.8	38.5	-	5.54	160000	8.9
6	**KW 24B-1-1811**	38.10	25.40	25.40	14.63	54.0	4.7	6.0/4.8	38.5	-	5.54	160000	9.0

Illustration 1 and 2: **Chains for canter infeed with dull-toothed link plates; also available in triplex configuration**

1



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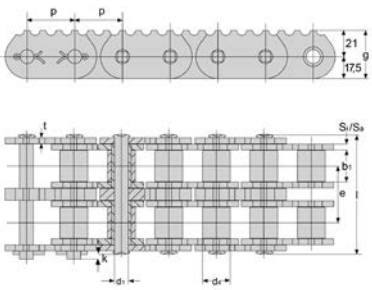


Illustration 3: **Roller chain 24B with toothed outer link plates; *p* according to customer specification**

3

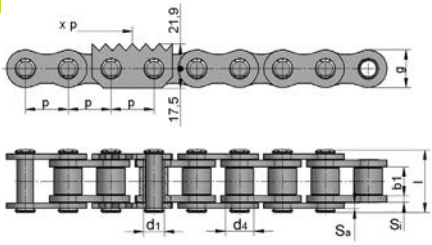


Illustration 4: **Roller chain with special, toothed outer link plate for chain guidance**

4

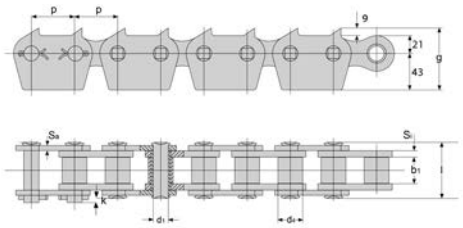


Illustration 5: **Toothed roller chain 32B with enlarged inner width**

5

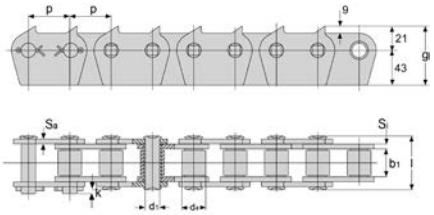


Illustration 6: **Roller chain 32B with sharp-toothed outer link plates; each second inner link with guiding plate**

6

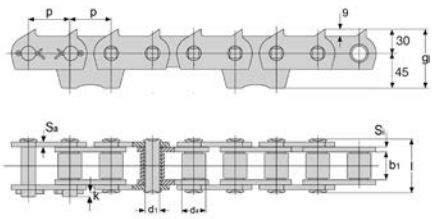
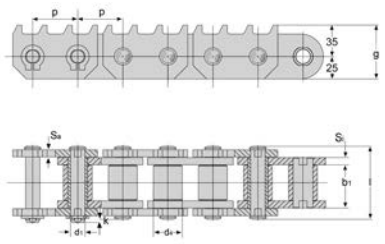


Illustration no.	Chain type	Pitch in mm	Inner width min. in mm	Roller diameter max. in mm	Pin diameter max. in mm	Pin length in mm	Max. excess length of connecting pin in mm	Thickness of link plate in mm	Height in mm	Traverse pitch in mm	Bearing surface in cm^2	Tensile strength in N	Weight in kg/ m
		p	b_1	d_4	d_1	l	k	S_i/S_a	g	e	f	F_B	q
1	**KW 120-1-1802**	38.1	25.4	22.23	11.10	50	4.0	4.8/4.8	38.5	-	3.89	124600	6.9
2	**KW 120-2-1802**	38.1	25.4	22.23	11.10	96	4.0	4.8/4.8	38.5	45.44	7.78	250000	13.8
	KW 120-3-1802	38.1	25.4	22.23	11.10	141	4.0	4.8/4.8	38.5	45.44	11.66	375000	20.7
3	**KW 24B-1-1186**	38.1	25.4	25.40	14.63	54	4.7	6.0/4.8	38.5	-	5.54	160000	9.1
4	**KW 32B-1-1874**	50.8	31.0	29.21	17.81	66	5.0	7.0/6.0	73.0	-	8.10	250000	12.0
5	**KW 32B-1-1872**	50.8	33.0	29.21	17.81	66	5.0	6.0/6.0	73.0	-	8.10	250000	13.5
6	**KW 32B-1-1890**	50.8	31.0	29.21	17.81	66	5.0	7.0/6.0	75.0	-	8.90	250000	12.5

Chains for sawing line and plank transport

***Illustration 1 and 2*: Chains for chipper canter; also available solely with toothed outer link plate**

1



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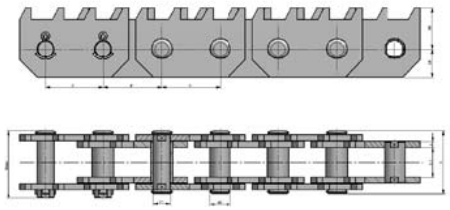
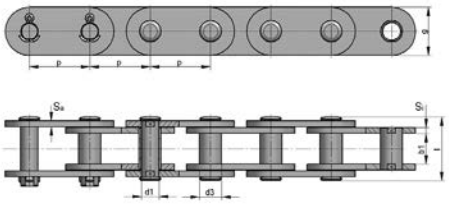


***Illustration 3 and 4:* Chains with optional pitch of 50 mm or 100 mm. Link plates with full radius**

3



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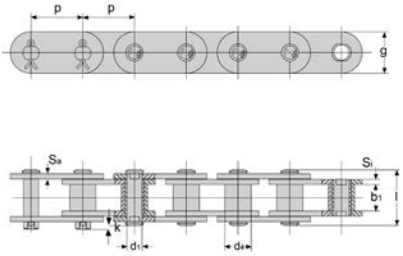
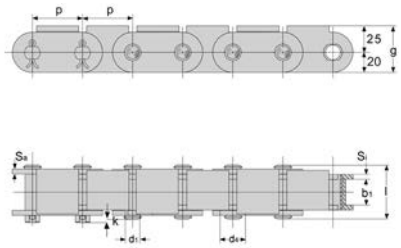


***Illustration 5:* Conveyor chain with bent top plates**

***Illustration 6*: Conveyor chain for post sorting**

5



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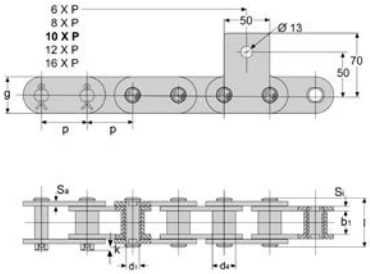
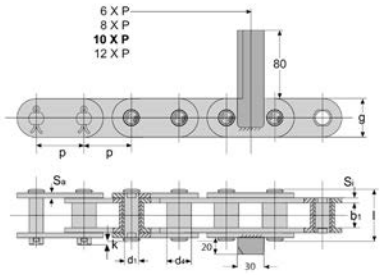


Illustration no.	Chain type	Pitch in mm	Inner width min. in mm	Roller diameter/ bush diameter max. in mm	Pin diameter max. in mm	Pin length in mm	Max. excess length of connecting pin in mm	Thickness of link plate in mm	Height in mm	Bearing surface in cm^2	Tensile strength in N	Weight in kg/ m
		p	b_1	d_2/d_4	d_1	l	k	S_i/S_a	g	f	F_B	q
1	**KW 500-1860**	50	40.0	32.0	16.00	65	5	8/8	60	8.9	220000	16.00
2	**KW 500-1870**	50	40.0	32.0	16.00	65	5	8/8	60	5.9	220000	16.30
3	**KW 500**	50	25.0	20.0	14.00	54	3	5/5	40	4.9	99000	7.22
	KW 441100	100	25.0	20.0	14.00	54	3	5/5	40	4.9	99000	5.18
4	**KW 500 SR**	50	25.4	25.4	14.63	55	3	5/5	40	5.3	108000	7.20
	KW 441100SR	100	25.4	25.4	14.63	55	3	5/5	40	5.3	108000	5.55
5	**KW 500 SRCT1**	50	25.4	25.4	14.63	55	3	5/5	40	5.3	108000	8.00
6	**KW 500 SR SK-1**	50	25.4	25.4	14.63	55	3	5/5	40	5.3	108000	7.50

***Illustration 1 and 2*:**
Chamfer of the carrier inside or outside

1



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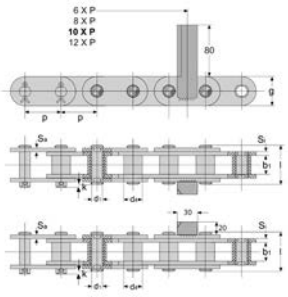
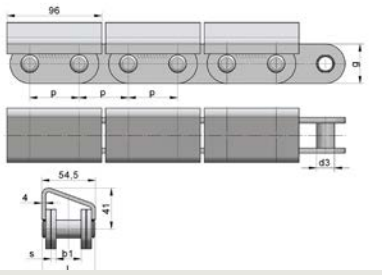


Illustration 3 and 4:
Alternative types with or without protection rollers can be provided

3



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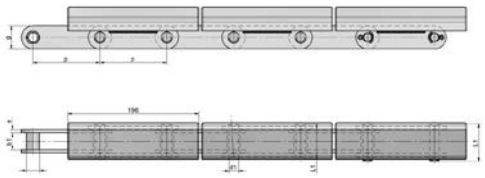
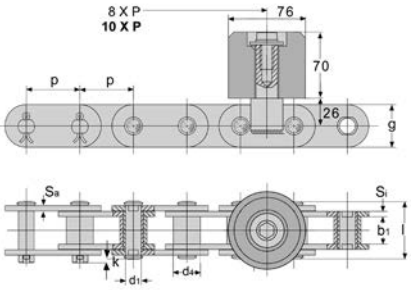


Illustration 5: **Conveyor chain for lumber sorting; available with and without plastic rollers**

Illustration 6: **Conveyor chain for package or stack feed**

5



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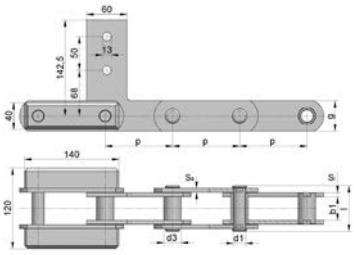


Illustration no.	Chain type	Pitch in mm	Inner width min. in mm	Roller diameter/ bush diameter max. in mm	Pin diameter max. in mm	Pin length in mm	Max. excess length of connecting pin in mm	Thickness of link plate in mm	Height in mm	Traverse pitch in mm	Bearing surface in cm²	Tensile strength in N	Weight in kg/ m
		p	b_1	d_2/d_4	d_1	l	k	S_i/S_a	g	e	f	F_B	q
1	**KW 500 KMFI**	50	25.0	20.0	14.00	54	3	5/5	40	-	4.9	99000	9.5
2	**KW 500 SRKMFI**	50	25.4	25.4	14.63	55	3	5/5	40	-	5.3	108000	10.0
3	**KW 500 HMB21**	50	25.0	20.0	14.00	54	3	5/5	40	-	4.9	99000	10.0
4	**KW 441100 HMB21**	50	25.0	20.0	14.00	54	3	5/5	40	-	4.9	99000	7.0
	KW 4544	50	25.4	25.4	14.63	55	3	5/5	40	-	5.3	108000	7.5
5	**KW 500 FRK**	50	25.0	20.0	14.00	54	3	5/5	40	-	4.9	99000	7.0
	KW 500 SRFRK	50	25.4	25.4	14.63	55	3	5/5	40	-	5.3	108000	8.0
6	**KW 111309**	100	35.0	26.0	18.00	68	-	6/6	45	-	8.6	140000	10.0

Wood chips handling has to be dealt with in many steps of wood processing. For instance, wood chips are left over during root reduction, at the trimming and debarking station or at the sorting and storage areas. Conveyor chains help keep the installations clean of these wood chips and thus contribute to a smooth operating process.

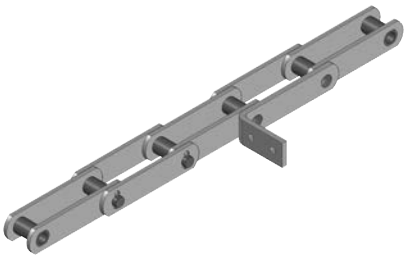
Moreover, KettenWulf conveyor chains are also used in the recycling-industry, e.g. for the infeed of combustibles.

Chains for wood chips handling

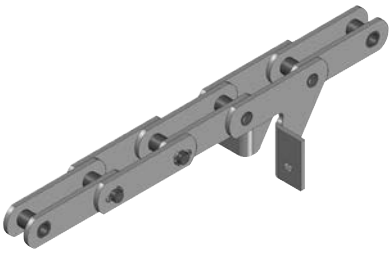
Chunks of wood as well as saw dust are removed by means of wood chips conveyors

Chain applications for wood chips handling

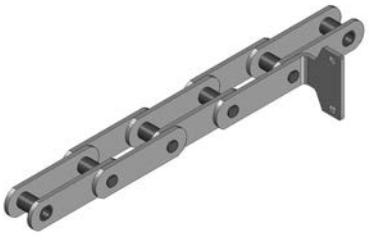
Wood chips conveyor at root reducer and trimming station



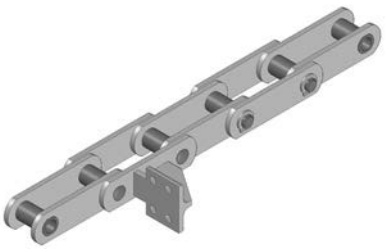
Wood chips conveyor at debarking station



Wood chips conveyor in sawing line



Conveyor at wood chips sorting

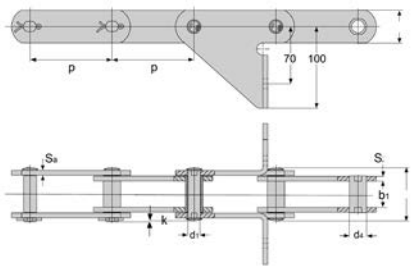


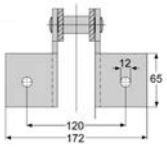
Chains for wood chips handling

Illustration 1 to 3:
Chains for wood chips handling are also available with other carrier spaces

Standard chain features include larger clearance between pins and bushes and between inner and outer link

1





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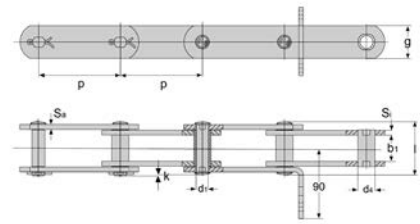

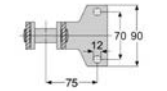

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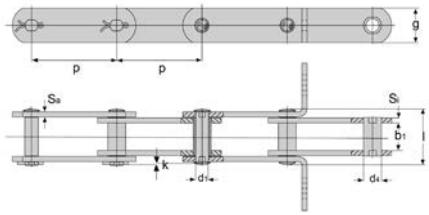


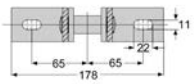
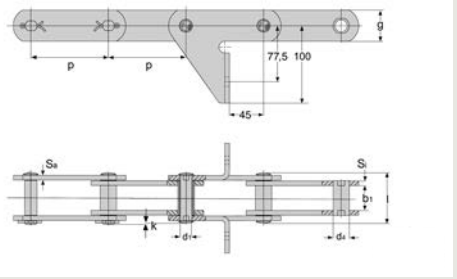


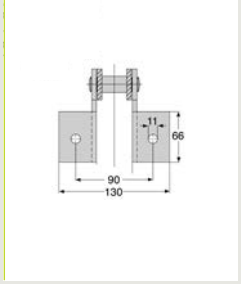
Illustration no.	Chain type	Pitch in mm	Inner width min. in mm	Bush diameter max. in mm	Pin diameter max. in mm	Pin length in mm	Max. excess length of connecting pin in mm	Thickness of link plate in mm	Height in mm	Bearing surface in cm^2	Tensile strength in N	Weight in kg/ m
		p	b_1	d_3	d_1	l	k	S_i/S_a	g	f	F_B	q
1	**KW 2983**	100	32	21	15	65	4.5	6/6	40	6.8	112000	8.5
2	**KW 2984**	100	32	21	15	65	4.5	6/6	40	6.8	112000	6.5
3	**KW 2985**	100	32	21	15	65	4.5	6/6	40	6.8	112000	7.0

Illustration 1 to 3:
Chains for wood chips handling are also available with other carrier spaces

Standard chain features include bigger clearance between pins and bushes and between inner and outer link

1





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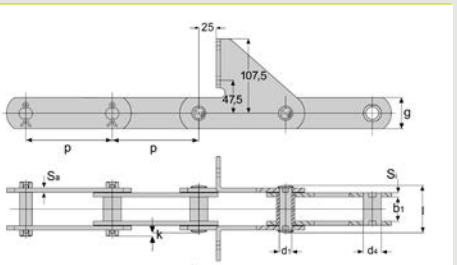

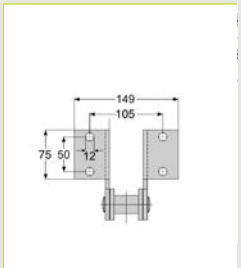

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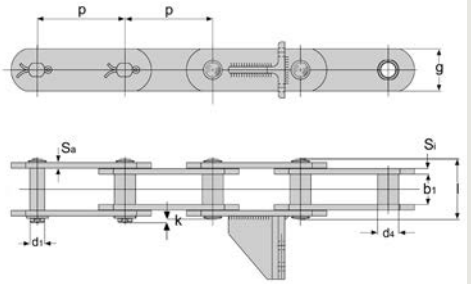


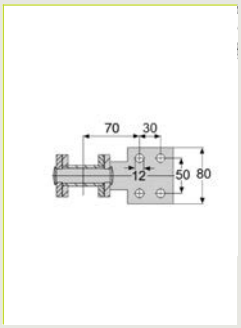


Illustration no.		Pitch in mm	Inner width min. in mm	Bush diameter max. in mm	Pin diameter max. in mm	Pin length in mm	Max. excess length of connecting pin in mm	Thickness of link plate in mm	Height in mm	Bearing surface in cm^2	Tensile strength in N	Weight in kg/ m
	Chain type	p	b_1	d_3	d_1	l	k	S_i/S_a	g	f	F_B	q
1	**KW 4520**	100	25	20	14	58	4.5	8/6	40	5.2	140000	7.0
2	**KW 2979**	125	35	26	18	72	5.0	6/6	45	8.5	140000	7.8
3	**KW 2981**	125	35	26	18	72	5.0	6/6	45	8.5	140000	8.0

KettenWulf also offers special and standardized chain solutions for the wood processing industry. Given our profound know-how and the many years of experience in this particular industry, we are able to provide solutions geared to your individual conveying application. It does not matter if you send us a drawing, a sample or even just an idea – our engineers and designers will work out an optimal product solution to meet your specific needs.

Our products can be used in nearly all wood-related industries such as:

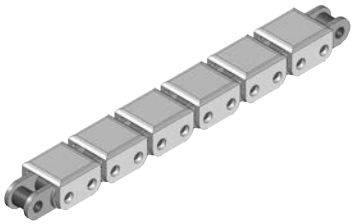
- Chip board industry
- Furniture industry
- Glulam industry
- Paper industry
- Planing mills
- Chipper canters

Chains for the wood processing industry

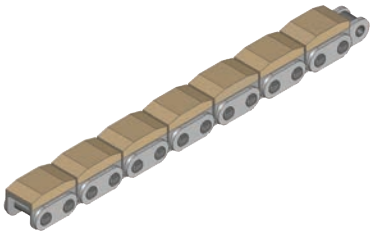
KettenWulf conveyor chains allow for a smooth transport of wood products in the wood processing industry as, for example, in a chip board plant

Chain applications in the wood processing industry

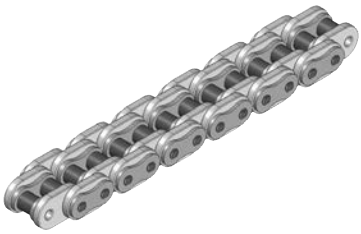
Chip board industry



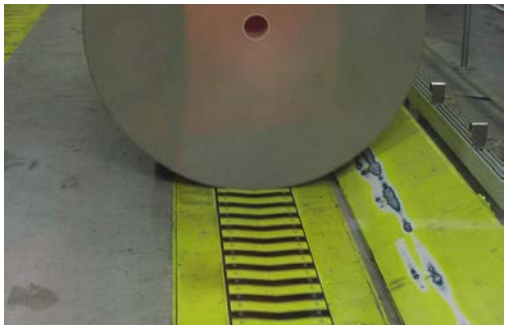
Glulam industry

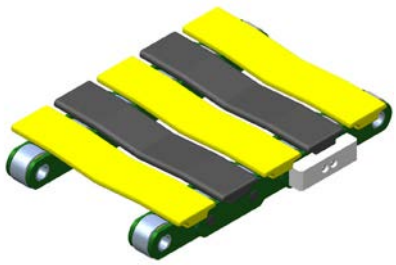


Chipper canters



Paper industry



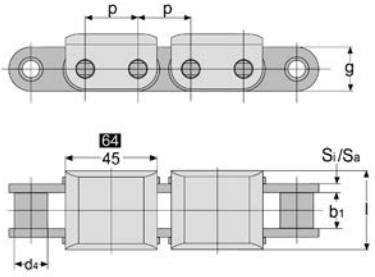


Chains for the wood processing industry

Illustration 1: **Plastic clips made out of PA6 are available separately**

Illustration 2: **Chain also available in heavy-duty version**

1



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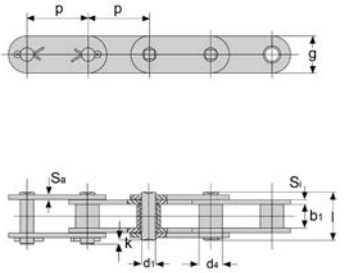
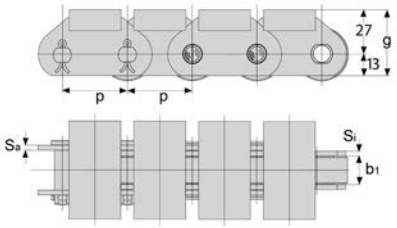


***Illustration 3 and 4*:** **Roller chains with welded-on carrier plates**

3



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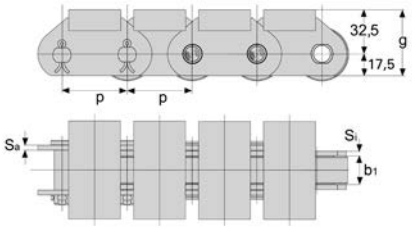
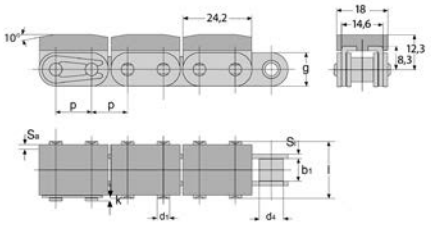


***Illustration 5 and 6*:** **Roller chains with vulcanized polymer block**

5



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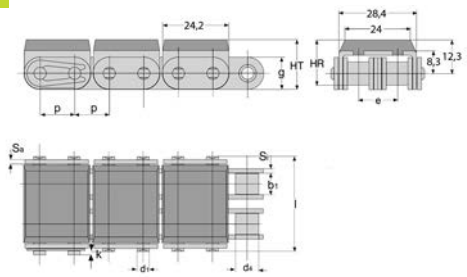
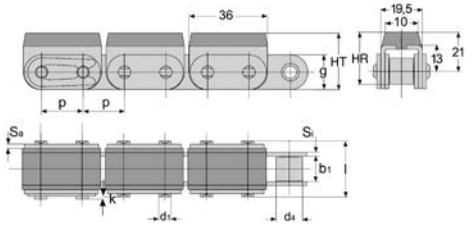


Illustration no.	Chain type	Pitch in mm p	Inner width min. in mm b_1	Roller diameter max. in mm d_4	Pin diameter max. in mm d_1	Pin length in mm l	Max. excess length of connecting pin in mm k	Thickness of link plate in mm S_i/S_a	Height in mm g	Bearing surface in cm^2 f	Tensile strength in N F_B	Weight in kg/ m q
1	**KW C16B24 TPG**	25.40	17.02	15.88	8.28	42.0	3.3	4.2/3.1	24.0	2.10	60000	3.20
	KW C20B TPG	31.75	19.56	19.05	10.19	47.0	3.4	4.5/3.5	26.0	2.96	95000	4.60
2	**KW 81 X**	66.27	27.00	23.00	11.10	49.0	5.0	4.0/4.0	28.5	3.90	129000	3.80
	KW 81HHX	66.27	27.80	23.00	11.10	61.0	4.0	8.0/8.0	31.5	4.90	176000	5.80
3	**KW 4095**	40.00	18.00	32.00	10.00	36.0	4.0	3.0	40.0	2.40	40000	7.40
4	**KW 4098**	63.00	25.00	48.00	14.00	53.0	6.0	5.0	50.0	4.90	140000	14.00
5	**KW C08B 5700NBR75**	12.70	7.75	8.51	4.45	20.0	3.9	1.5	11.8	0.50	18000	1.35
6	**KW C08B-2 530NBR75**	12.70	7.75	8.51	4.45	34.3	3.9	1.5	11.8	1.00	32000	2.49

Our standard profile for polymer block chains is nitrile butadiene rubber (NBR) with 75 shore A hardness. Other profiles available on request

1



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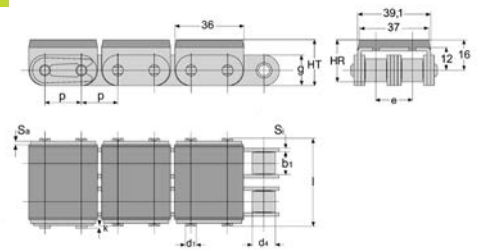

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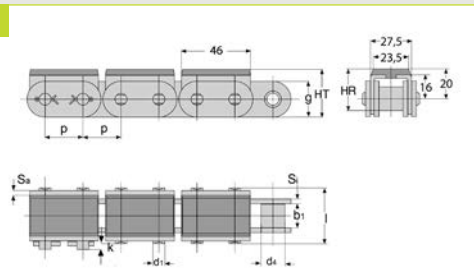

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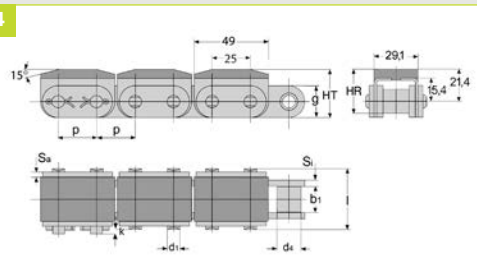

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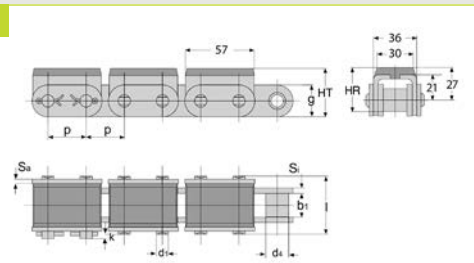

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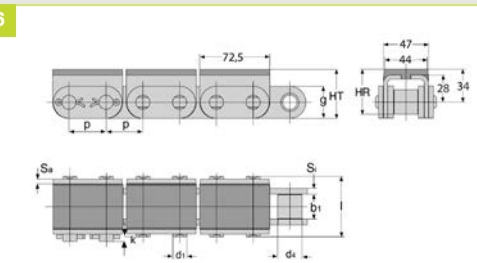


KW RC-Simplex

Illustration no.	Chain type	Pitch in mm p	Inner width min. in mm b_1	Roller diameter max. in mm d_4	Pin diameter max. in mm d_1	Pin length in mm l	Max. excess length of connecting pin in mm k	Thickness of link plate in mm S_i/S_a	Height in mm g	Traverse pitch in mm e	Bearing surface in cm^2 f	Tensile strength in N F_B	Weight in kg/ m q
1	**KW C12B 4680NBR75**	19.05	11.68	12.07	5.72	26.5	1.5	1.8	16.0	-	0.89	31400	2.15
2	**KW C12B-2 760NBR75**	19.05	11.68	12.07	5.72	46.0	4.6	1.8	16.0	39.1	1.98	62800	3.48
3	**KW C80 570NBR75**	25.40	15.88	15.88	7.93	37.2	3.3	3.2	24.0	-	1.05	73500	5.34
4	**KW C16B 6580NBR75**	25.40	17.02	15.88	8.28	39.7	3.3	4.0/3.2	21.0	-	2.10	70600	4.15
5	**KW C20B 2160NBR75**	31.75	19.56	19.05	10.19	48.5	4.0	4.5/3.5	26.4	-	3.70	98000	8.65
6	**KW C24B 835NBR75**	38.10	25.40	25.40	14.63	61.6	4.4	6.0/4.7	33.2	-	7.00	164000	11.63

Besides special chains for the wood industry, KettenWulf offers a huge range of conveyor chains and roller chains. Our product portfolio encompasses not only standard chains, but also the following chain types:

- Deep link chains and hollow pin chains
- Bush chains
- Gall chains and leaf chains
- Low-maintenance chains and anti-corrosion chains
- Roller chains with straight link plates or attachments
- Double pitch roller chains
- Accumulation chains

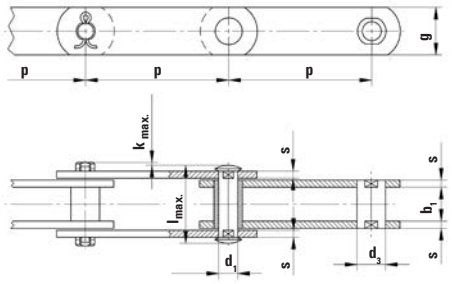
Many of these chains are also available in ANSI standard according to DIN 8188 (ISO 606).

For further information please do not hesitate to contact us.

Conveyor chains and roller chains according to DIN

Other than ISO standard chains KettenWulf also delivers a large variety of alternative chain types

Conveyor chains with solid pin FV DIN 8165 and M DIN 8167



Plates are made out of steel having a tensile strength of at least 600 N/mm².

Pins and bushes made out of case-hardened steel or heat-treatable steel.

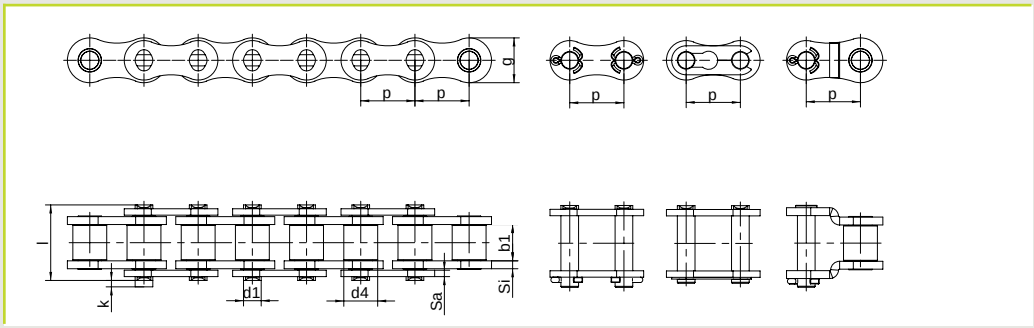
Technical data of conveyor chains with solid pin, type FV DIN 8165

Chain type	Tensile strength single strand chain	Admissible tensile strength single strand chain	Bearing area per strand	Admissible bearing pressure per strand	Pitch in mm p										Inner width in mm	Pin diameter in mm	Bush diameter in mm	Small roller diameter in mm	Roller diameter in mm	Width of link plates in mm	Thickness of link plates in mm	Max. excess length of connecting pin in mm	Pin length in mm
	N min	N	~ cm²	N/ cm²											b_1	d_1	d_3	d_4	d_5	g	s	k	l
FV 40	40000	6700	2.5	2680	40	63	100	125	-	-	-	-	-	-	18	10	15	20	32	26	3	3.5	37
FV 63	63000	10500	3.7	2840	50	63	100	125	160	200	-	-	-	-	22	12	18	26	40	30	4	4.5	46
FV 90	90000	15000	5.0	3000	-	63	100	125	160	200	250	-	-	-	25	14	20	30	48	35	5	4.5	53
FV 112	112000	18700	6.8	2750	-	80	100	125	160	200	250	-	-	-	30	16	22	32	55	40	6	4.5	63
FV 140	140000	23400	8.6	2720	-	80	100	125	160	200	250	315	-	-	35	18	26	36	60	45	6	6.0	68
FV 180	180000	30000	12.3	2440	-	-	100	125	160	200	250	315	400	-	45	20	30	42	70	50	8	7.0	86
FV 250	250000	41700	18.7	2230	-	-	100	125	160	200	250	315	400	-	55	26	36	50	80	60	8	8.0	98
FV 315	315000	52500	25.8	2040	-	-	-	125	160	200	250	315	400	500	65	30	42	60	90	70	10	8.0	117
FV 400	400000	66700	30.7	2170	-	-	-	-	160	200	250	315	400	500	70	32	44	60	100	70	12	10.0	131
FV 500	500000	83400	38.2	2180	-	-	-	-	160	200	250	315	400	500	80	36	50	70	110	80	12	10.0	141
FV 630	630000	105000	48.7	2160	-	-	-	-	-	200	250	315	400	500	90	42	56	80	120	100	12	10.0	153

Technical data of conveyor chains with solid pins, type M DIN 8167

Chain type	Tensile strength single strand chain	Admissible tensile strength single strand chain	Bearing area per strand	Admissible bearing pressure per strand	Pitch in mm p															Inner width in mm	Pin diameter in mm	Bush diameter in mm	Small roller diameter in mm	Roller diameter in mm	Width of link plates in mm	Thickness of link plates in mm	Max. excess length of connecting pin in mm	Pin length in mm
	N min	N	~ cm²	N/ cm²																b_1	d_1	d_3	d_4	d_5	g	s	k	l
M 20	20000	2850	1.32	2160	40	50	63	80	100	125	160	-	-	-	-	-	-	-	-	16	6	9.0	12.5	25	18	2.5	7	35
M 28	28000	4000	1.75	2290	-	50	63	80	100	125	160	200	-	-	-	-	-	-	-	18	7	10.0	15.0	30	20	3.0	8	40
M 40	40000	5700	2.38	2400	-	-	63	80	100	125	160	200	250	-	-	-	-	-	-	20	8,5	12.5	18.0	36	25	3.5	9	45
M 56	56000	8000	3.30	2430	-	-	63	80	100	125	160	200	250	-	-	-	-	-	-	24	10	15.0	21.0	42	30	4.0	10	52
M 80	80000	11400	4.68	2440	-	-	-	80	100	125	160	200	250	315	-	-	-	-	-	28	12	18.0	25.0	50	35	5.0	12	62
M 112	112000	16000	6.75	2370	-	-	-	80	100	125	160	200	250	315	-	-	-	-	-	32	15	21.0	30.0	60	40	6.0	14	73
M 160	160000	22850	9.36	2440	-	-	-	-	100	125	160	200	250	315	400	-	-	-	-	37	18	25.0	36.0	70	50	7.0	16	85
M 224	224000	32000	12.60	2540	-	-	-	-	-	125	160	200	250	315	400	500	-	-	-	43	21	30.0	42.0	85	60	8.0	18	98
M 315	315000	45000	17.50	2570	-	-	-	-	-	-	160	200	250	315	400	500	630	-	-	48	25	36.0	50.0	100	70	10.0	21	112
M 450	450000	64300	24.60	2620	-	-	-	-	-	-	-	200	250	315	400	500	630	800	-	56	30	42.0	60.0	120	80	12.0	25	135
M 630	630000	90000	34.56	2610	-	-	-	-	-	-	-	-	250	315	400	500	630	800	1000	66	36	50.0	70.0	140	100	14.0	30	154
M 900	900000	128600	49.28	2610	-	-	-	-	-	-	-	-	250	315	400	500	630	800	1000	78	44	60.0	85.0	170	120	16.0	37	180

Roller chains according to DIN 8187 and factory standard



Technical data of roller chains according to DIN 8187

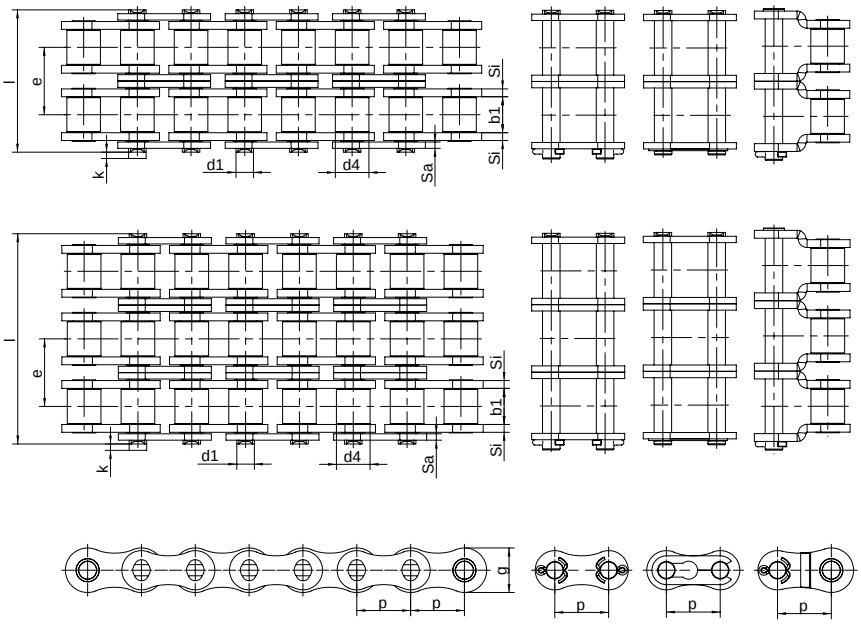
Chain type	Pitch in mm p	Inner width min. in mm b_1	Roller diameter max. in mm d_4	Pin diameter max. in mm d_1	Pin length max. in mm l	Max. excess length of connecting pin in mm k	Thickness of link plate in mm S_i	Thickness of link plate in mm S_a	Height in mm g	Bearing surface in cm^2 f	Tensile strength in N F_B	Weight in kg/ m ≈q
KW 04	6.00	2.80	4.00	1.85	6.8	0.5	0.63	0.65	5.00	0.08	3000	0.13
KW 05B	8.00	3.04	5.00	2.31	7.8	0.6	0.76	0.76	7.00	0.11	4400	0.90
KW 06B	9.525	5.72	6.35	3.28	12.5	2.4	1.25	1.00	8.20	0.28	8900	0.40
KW 081	12.70	3.60	7.75	3.66	9.6	1.3	0.96	0.96	9.90	0.26	8200	0.30
KW 083	12.70	4.88	7.75	3.96	12.9	1.1	1.35	1.35	10.30	0.32	11600	0.50
KW 084	12.70	4.88	7.75	4.09	14.3	1.3	1.80	1.60	11.10	0.33	16000	0.60
KW 08B	12.70	7.75	8.51	4.45	16.5	2.4	1.50	1.50	11.70	0.50	18000	0.70
KW 10B	15.875	9.65	10.16	5.08	18.8	2.6	1.50	1.50	14.60	0.67	22200	0.90
KW 12B	19.05	11.68	12.07	5.72	22.3	2.7	1.80	1.80	16.00	0.89	28900	1.20
KW 16B	25.40	17.02	15.88	8.28	35.4	3.4	3.70	3.00	21.00	2.10	60000	2.67
KW 20B	31.75	19.56	19.05	10.19	40.8	3.4	4.50	3.50	25.78	2.96	95000	3.81
KW 24B	38.10	25.40	25.40	14.63	53.3	4.7	6.00	5.00	33.25	5.54	160000	7.00
KW 28B	44.45	30.99	27.94	15.90	65.0	5.3	7.50	6.40	36.80	7.39	200000	9.65
KW 32B	50.80	30.99	29.21	17.81	65.2	5.8	7.00	6.40	42.00	8.10	250000	10.17
KW 40B	63.50	38.10	39.37	22.85	82.2	7.0	8.50	8.00	52.20	12.75	355000	17.00
KW 48B	76.20	45.70	48.20	29.20	99.0	8.0	12.00	10.00	64.00	20.61	560000	27.00

The most current sprockets for chains according to DIN 8187 can be delivered from stock

Technical data of roller chains according to factory standard (Simplex)

Chain type	Pitch in mm p	Inner width min. in mm b_1	Roller diameter max. in mm d_4	Pin diameter max. in mm d_1	Pin length max. in mm l	Max. excess length of connecting pin in mm k	Thickness of link plate in mm S_i/S_a	Height in mm g	Traverse pitch in mm e	Bearing surface in cm^2 A_f	Tensile strength in N F_b	Weight in kg/ m ≈ q
KW 12R	19.05	11.68	12.07	6.01	24.9	3.6	2.4	18.1	-	1.05	45000	1.51
KW 16R	25.40	17.02	15.88	8.90	35.7	3.2	4.0/3.2	24.0	-	2.28	80000	3.10
KW H24B	38.10	25.40	25.40	14.63	60.1	4.8	7.3/6.3	36.2	-	5.91	275000	8.90

Roller chains according to DIN 8187



Technical data of roller chains according to DIN 8187 (Duplex)

Chain type	Pitch in mm p	Inner width min. in mm b_1	Roller diameter max. in mm d_4	Pin diameter max. in mm d_1	Pin length max. in mm l	Max. excess length of connecting pin in mm k	Thickness of link plate in mm S_i / S_a	Height in mm g	Traverse pitch in mm e	Bearing surface in cm^2 f	Tensile strength in N F_B	Weight in kg/ m ≈ q
KW 05B-2	8.00	3.00	5.00	2.31	13.3	0.7	0.75	7.1	5.64	0.22	7800	0.36
KW 06B-2	9.525	5.72	6.35	3.28	22.8	2.5	1.3/1.1	8.2	10.24	0.56	16900	0.78
KW 08B-2	12.70	7.775	8.51	4.45	30.6	2.4	1.5	11.8	13.92	1.01	32000	1.30
KW 10B-2	15.875	9.65	10.16	5.08	35.6	2.6	1.7	14.7	16.59	1.34	44500	1.80
KW 12B-2	19.05	11.68	12.07	5.72	41.6	3.1	1.8	16.1	19.46	1.79	57800	2.30
KW 16B-2	25.40	17.02	15.88	8.28	67.1	3.4	4.0/3.2	21.0	31.88	4.21	106000	5.30
KW 20B-2	31.75	19.56	19.05	10.19	77.0	3.5	4.5	26.0	36.45	5.91	170000	7.26
KW 24B-2	38.10	25.40	25.40	14.63	101.0	4.7	5.6	33.4	48.36	11.09	280000	14.00
KW 28B-2	44.45	31.00	27.94	15.90	124.0	5.3	7.4/6.4	37.0	59.56	14.79	360000	18.05
KW 32B-2	50.80	31.00	29.21	17.81	124.0	5.8	7.0/6.0	42.0	58.55	16.21	450000	20 .50
KW 40B-2	63.50	38.10	39.37	22.89	154.0	7.0	8.5/8.0	52.9	72.29	25.50	630000	32.00
KW 48B-2	76.20	45.72	48.26	29.24	190.0	8.0	12/10	63.8	91.21	41.23	1000000	50.00
Technical data of roller chains according to DIN 8187 (Triplex)												
KW 06B-3	9.525	5.72	6.35	3.28	33.0	2.3	1.3/1.1	8.2	10.24	0.84	24900	1.18
KW 08B-3	12.70	7.75	8.51	4.45	44.5	2.3	1.5	11.8	13.92	1.51	44500	1.92
KW 10B-3	15.875	9.65	10.16	5.08	52.3	2.6	1.7	14.7	16.59	2.02	66700	2.60
KW 12B-3	19.05	11.68	12.07	5.72	61.0	4.6	1.8	16.1	19.46	2.68	86700	3.40
KW 16B-3	25.40	17.02	15.88	8.28	99.4	3.4	4.0/3.2	21.0	31.88	6.31	160000	7.70
KW 20B-3	31.75	19.56	19.05	10.19	113.4	3.5	4.5/3.5	26.0	36.45	8.87	250000	10.85
KW 24B-3	38.10	25.40	25.40	14.63	150.2	4.7	5.6/4.9	33.4	48.36	16.63	425000	21.00
KW 28B-3	44.45	31.00	27.94	15.90	184.3	5.2	7.4/6.4	37.0	59.56	22.18	530000	26.60
KW 32B-3	50.80	31.00	29.21	17.81	182.6	5.8	7.0/6.0	42.0	58.55	24.31	670000	32.00
KW 40B-3	63.50	38.10	39.37	22.89	226.0	7.0	8.5/8.0	52.9	72.29	38.25	950000	47.50
KW 48B-3	76.20	45.72	48.26	29.24	281.0	8.0	12.0/10.0	63.8	91.21	61.84	1500000	75.00

KettenWulf sprockets

Sprockets are a crucial factor for the efficiency of each chain system. In order to ensure the high quality of all products, we rely on the production of our own sprockets.

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Triplex sprocket with induction hardened teeth

Illustration 1:
Sprocket with patented noise dampening system

Illustration 2:
Shear-pin sprocket

Illustration 3:
Sprocket in split configuration

Illustration 4:
Sprocket with saw toothing

1

2

3

4

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