

Roller Chains Product Program



03	Confidence in KettenWulf
04	KettenWulf global
06	KettenWulf - partner of industry
08	Research and development
10	Drive chains
12	KettenWulf RC roller chains
18	KettenWulf HFS roller chains
24	KettenWulf SS roller chains
26	KettenWulf NP roller chains
28	KettenWulf TGI roller chains
30	KettenWulf LF roller chains
34	KettenWulf O-ring or X-ring roller chains
36	KettenWulf NSC roller chains
37	KettenWulf BC roller chains
38	Roller chains for conveyance tasks
40	KettenWulf C roller chains
42	KettenWulf DP roller chains
44	KettenWulf attachment parts
46	KettenWulf SB chains
47	KettenWulf CC chains
48	KettenWulf S agricultural machinery chains
49	KettenWulf CP chains
54	KettenWulf X insert chains
56	KettenWulf BSC chains
57	KettenWulf BS full-pin chains
58	Hollow-pin chains
60	KettenWulf HP hollow-pin chains
62	KettenWulf 1650 HP hollow-pin chains
63	KettenWulf DP-HP hollow-pin chains
64	KettenWulf A55 HP hollow-pin chains
65	KettenWulf BS HP hollow-pin chains
66	Lift chains
68	KettenWulf G gall chains
69	KettenWulf F flyer chains
70	KettenWulf BL flyer chains
72	KettenWulf AL flyer chains
74	Accessories

KettenWulf – trustworthy and reliable



KettenWulf: A name which has been synonymous with superior product quality in the manufacturing of chains and sprockets for more than 85 years. A name also signifying customer focus, reliable product quality, service and improved customer profitability. With this in mind, we concentrate our attention on those factors which are relevant for both current and potential customers – and it is these factors that form the basis for all our activities.

Trust in technology: In our world-wide production and quality management, we have always placed great importance on the use of leading-edge technology. Providing the best possible quality to our customers is an integral part of our company's commitment, and we employ state-of-the-art machines, tools and production methods to achieve this goal.

Quality by intelligence: Our staff is our capital, representing our company in all phases of our interaction with you, the customer. Our sales engineers are flexible and are always ready to give their very best to meet your needs. We put our creativity and our staff's dedication at your disposal in developing tailor-made solutions for your company. We are only satisfied with our work if you are fully satisfied, too.

Clients first: Anyone who has had business with our company will know how seriously we take this phrase. We do not see your questions and requests as problems, but as a challenge. We are there for you whenever you need us – always and at any time. We will convince you of the efficiency and reliability of our products over and over again by meeting your requirements. We consistently review our range of services and products to ensure that our customers'. Our aim is to always give our best for you.

Profitability and result oriented: Each project you work on with us will always be an appreciable investment in improvement. This gives you security of investment and costs – another good reason for placing your trust in a business relationship with our company – a relationship intended to last.



Guenter Wulf
President

KettenWulf was founded in Kückelheim, Germany, in 1925. Thanks to powerful economic growth in the second half of the 20th century, the company developed from a small sized factory into a leading producer of chains and sprockets.

Today, the KettenWulf Group, with production facilities in Europe and Asia, is a market leader and one of Europe's largest producers of conveyor chains, roller chains and sprockets. More than 1200 employees develop, produce and market tailor-made conveyor and drive engineering solutions all around the globe.

KettenWulf Global

The main factory in Kückelheim not only houses the company headquarters, but also the KettenWulf Engineering Centre. Here we provide worldwide support for customers in all technical issues. Kückelheim, with a production area of 30,000 square metres and a staff of roughly 550, is the largest production facility of the worldwide KettenWulf Group.



KettenWulf production facility in Sieperting, Germany

The KettenWulf Group worldwide



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.

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.

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.

Top Left: Our central European storage and sales facility in Ghent, Belgium

Top Right: Production and sales facility Ferlach, Austria

Middel Right: Production and sales facility in Atlanta, USA

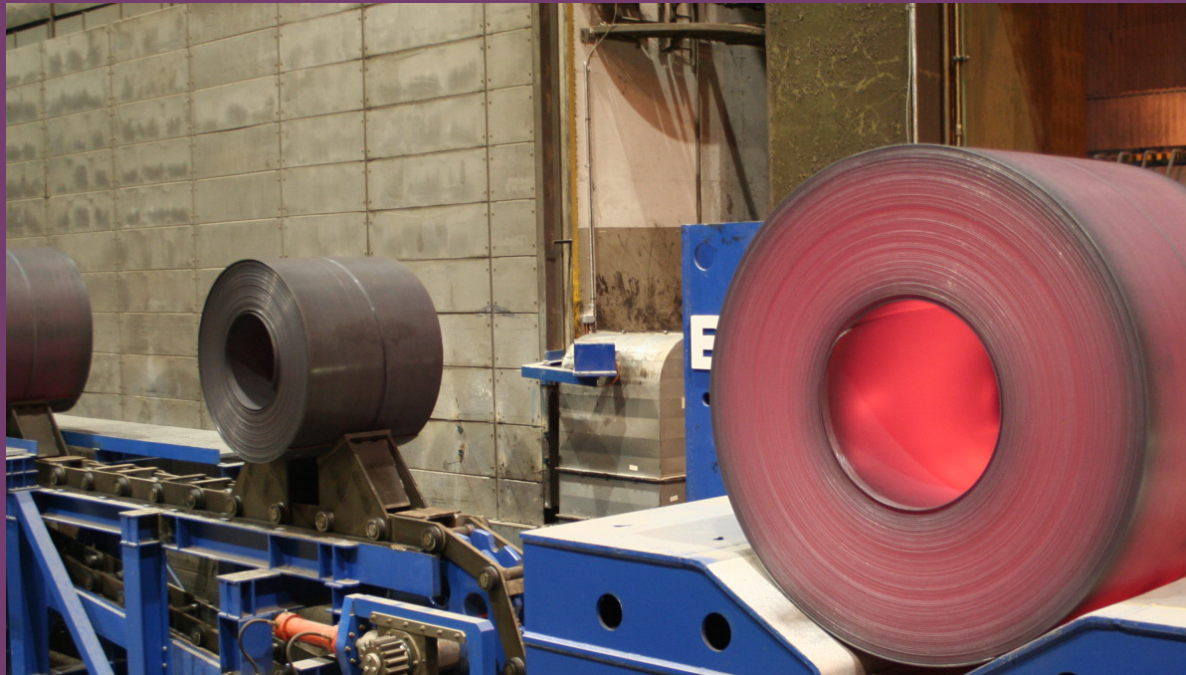
Bottom Right: The Chinese production and sales facility in Hangzhou

Excellent quality and diverse possible applications make KettenWulf products premium products, which find application in the most varied industries. Almost every industry profits for our know-how as a complete outfitter for chain systems.

KettenWulf bundles together a series of highly specialized competence fields, which are involved in supporting your projects. We have efficiently networked all individual services with each other, in order to enable optimum results to be achieved for your product solutions:

- » Development: We design optimum solutions according to your requirements and desires.
- » Production: With application of state-of-the-art technologies, we produce for you chain conveyors, driving chains and sprockets.
- » Installation: Together with reliable partners, we can take over the installation on site if required.
- » After Sales: On request, we check and assess the condition of your chains and sprockets regarding functional capability and future service life.

KettenWulf - Partners to industry



Chain conveyors, driving chains and sprockets

Figure 1:
Chain for the
cement industry



We develop and produce special conveyor and transport chains in all design types and dimensions, as well as in accordance with DIN, ISO and ANSI standards. Regardless of which conveyance task is involved, from automobile manufacture, through bulk material transport and extending to wood processing - KettenWulf has the solution.

Figure 2:
Lift chain for weir
systems

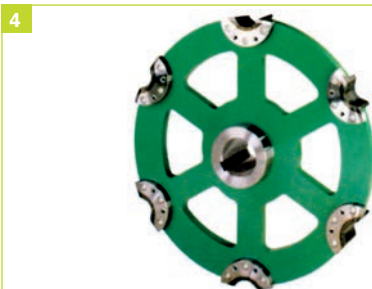


Figure 3:
Protective-conveyance
elastomer profile chain



We offer a wide spectrum of driving chains, in all DIN dimensions and according to all international standards, for the most varied applications. Regardless of whether you want to employ a chain for intensive, continuous stressing or with high-resistance against fluctuations of temperature and corrosion - KettenWulf has the solution.

Figure 4:
Sprocket with de-
tachable tooth gaps



Sprockets are a decisive factor for the performance and useful life of any chain system. Our product range also includes individual solutions, as well as sprockets of all standard gearing. Whether you need sprockets manufactured from superior materials or induction-hardened teeth – KettenWulf always has the right solution for you.

Figure 5:
Sprocket with patented
noise dampening system



Innovation at KettenWulf means making existing products better. To meet ever increasing demands from users of drive technology, KettenWulf has not only streamlined the roller chain product collection but has also set quality as the first priority.

The new generation – KettenWulf roller chains



Research and development

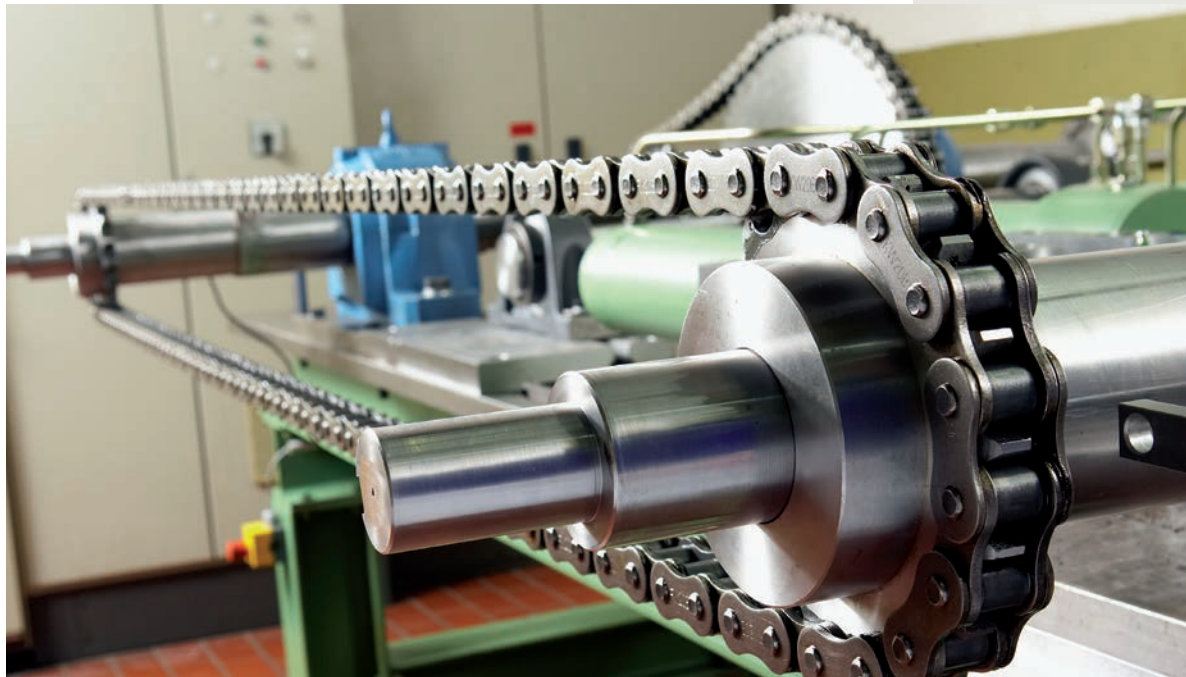
Figure 1:
The high-frequency
pulsometer determines
the fatigue strength



Customer satisfaction and product confidence are the corner stones of the KettenWulf Group's mission statement. KettenWulf, through its DIN EN ISO 9001:2008 certification, is able to guarantee a consistently high quality product is being produced.

Quality management has been implemented in all production and management steps, ensuring KettenWulf will always meet the quality requirements of our customers. From the stage of goods receipt through to the final control check, we do everything in order to provide our customers with only the best quality.

Figure 2:
Roller chain test-stand
for service-life dura-
tion test, medium-
resistance test and
roller-abrasion test



All KettenWulf roller chains have improved wear resistance and durability, achieved by the following:

- » High Precision and Dimensional Accuracy
- » Seamless Rollers
- » Cold Extruded Bushes
- » High Quality Raw Materials

These developments ensure a high level of production efficiency for our customers, and in turn, a competitive advantage.

Be impressed with the high level of innovation of our products!

The performance requirements of roller chains are almost as varied as the number of applications, and selection of the correct product is determined by the following criteria:

- » Wear Resistance
- » Fatigue Strength
- » Precision Length Matching
- » Environmental Factors and Conditions
- » Zero Maintenance
- » Corrosion Protection
- » Noise Reduction
- » Food-Safe Lubrication

Generally, one chain cannot satisfy all of the criteria. This is why KettenWulf products are designed in a way to offer an optimal product for any application, giving KettenWulf's roller chain product range the widest variety of properties. Therefore our standard program includes roller chains with the most varied properties.

KettenWulf driving chains



Figure 1:
KettenWulf RC
roller chain

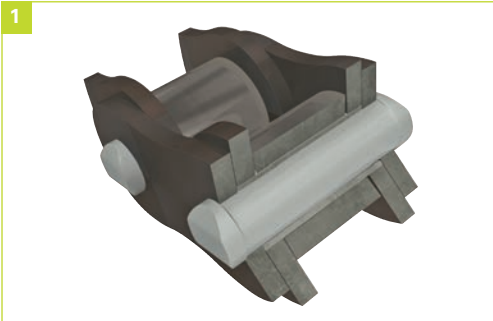


Figure 2:
KettenWulf HFS
roller chain



Figure 3:
KettenWulf
SS roller chain

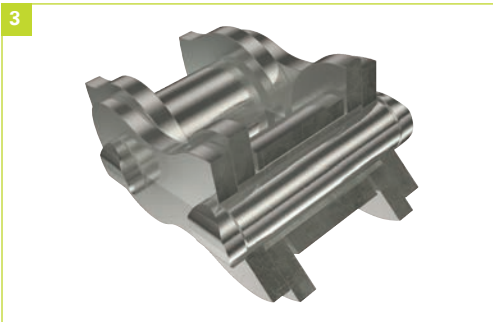


Figure 4:
KettenWulf NP
roller chain

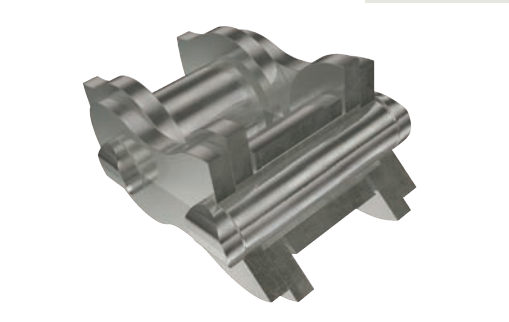


Figure 5:
KettenWulf TGI
roller chain

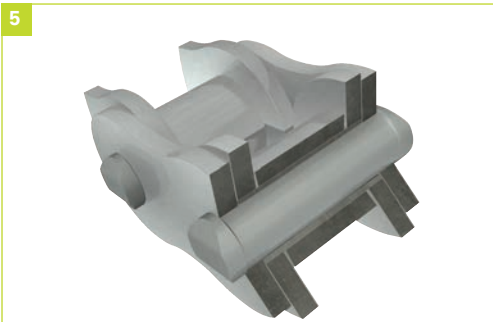


Figure 6:
KettenWulf LF
roller chain

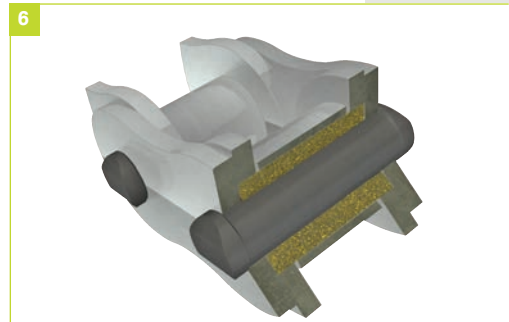
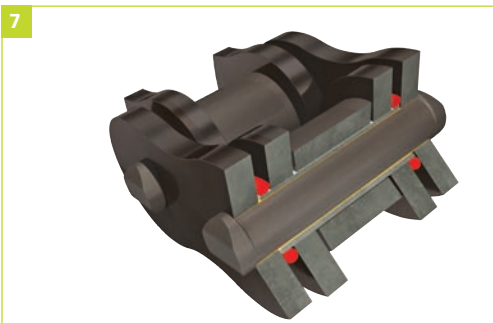


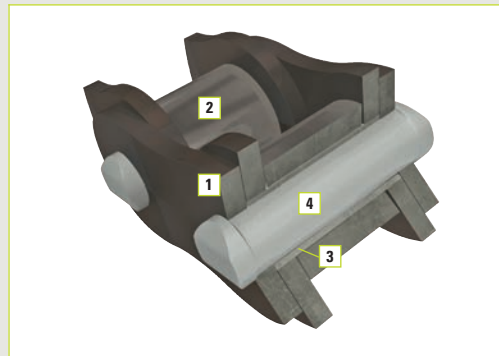
Figure 7:
KettenWulf O-ring or
X-ring roller chain



KettenWulf RC and HS roller chains

KettenWulf Wear Resistant and Reinforced Roller Chains

KettenWulf RC "Roller Chains" are characterized by seamless, cold extruded bushes, case hardened pins and tightly controlled and precise production processes. These factors guarantee an increased wear resistance as well as increased precision in length of each chain.



KettenWulf RC - roller chains

1. Shot-peened plates, tempered
2. Seamless, case-hardened rollers for high resistance to wear
3. Seamless, cold-extruded bushes
4. Wear-optimized pins, case-hardened

A high shear strength and core strength are gained from utilizing alloyed and case hardened steel pins. Additional grinding of the pins improves the surface finish, allowing for reduced abrasion between the pin and bush.

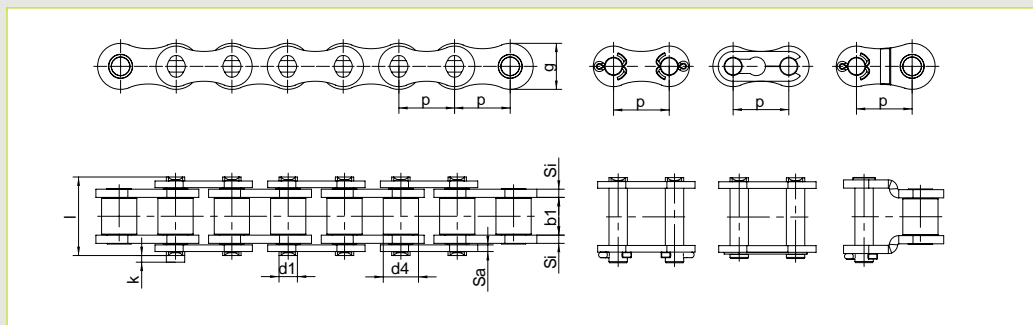
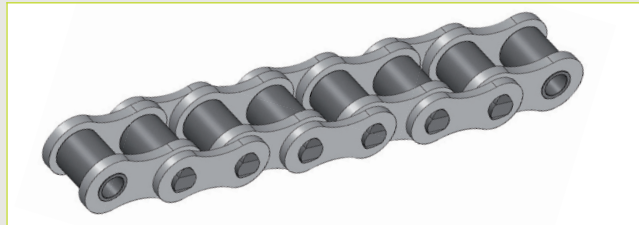
Seamless bushings, compared to bushings created from steel pipe, provide a higher degree of symmetry and roundness. These attributes allow for the length of the chain to be more exactly controlled. Additionally, the bushes are case hardened to provide a harder surface to allow for increased wear resistance.

Improved fatigue strength of the chain results from press fits, strict tolerances and increased surface strength. Press fits are achieved through use of precision stamped plates, ground pins and ground bushes, while shot-peening of the material increases the surface strength of the material. The combination of these processes results in a chain with greater fatigue strength.

KettenWulf's "Heavy Series" (HS) roller chains, characterized by thicker link plates and highly tempered pins and seamless bushes, are utilized in heavy load applications due to their considerably higher fatigue strength.

KettenWulf RC roller chains

The KettenWulf wear-resistant roller chains



KW RC Simplex, design sizes according to European standard

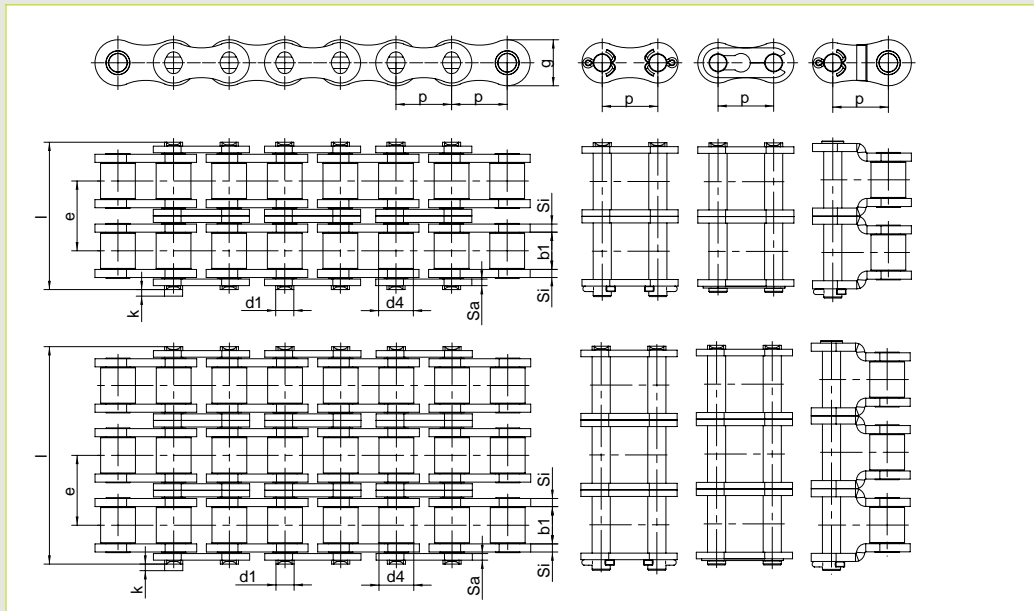
ISO 606/ DIN 8187

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₂	l	k	S _i	S _e	g	e	f	F _B	≈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	11,8	1,1	1,1	1,1	10,40	–	0,32	11600	0,50
KW 084	12,70	4,88	7,75	4,09	14,3	1,3	1,8	1,60	11,10	–	0,33	16000	0,60
KW 08B	12,70	7,75	8,51	4,45	16,5	2,4	1,5	1,50	11,70	–	0,50	18000	0,70
KW 10B	15,875	9,65	10,16	5,08	18,8	2,6	1,5	1,50	14,60	–	0,67	22200	0,90
KW 12B	19,05	11,68	12,07	5,72	22,3	2,7	1,8	1,80	16,00	–	0,89	28900	1,20
KW 16B	25,40	17,02	15,88	8,28	35,4	3,4	3,7	3,00	21,00	–	2,10	60000	2,67
KW 20B	31,75	19,56	19,05	10,19	40,8	3,4	4,5	3,50	25,78	–	2,96	95000	3,81
KW 24B	38,10	25,40	25,40	14,63	53,3	4,7	6,0	5,00	33,25	–	5,54	160000	7,43
KW 28B	44,45	30,99	27,94	15,9	65,0	5,3	7,5	6,40	36,80	–	7,39	200000	9,65
KW 32B	50,80	30,99	29,21	17,81	65,2	5,8	7,0	6,40	42,00	–	8,10	250000	10,17
KW 40B	63,50	38,10	39,37	22,85	82,2	7,0	8,5	8,00	52,90	–	12,75	355000	17,00
KW 48B	76,20	45,70	48,20	29,2	99,0	8,0	12,0	10,00	64,00	–	20,61	560000	27,00

» The indicated fracture forces correspond to ISO 606. We shall be glad to inform you of the higher effective fracture forces on request.

KettenWulf RC roller chains

The KettenWulf wear-resistant roller chains



KW RC Duplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₄	d ₅	l	k	S ₁	S ₂	g	e	f	F _b	≈q
KW 05B-2	8,00	3,04	5,00	2,31	13,6	0,7	0,76	0,76	7,00	5,64	0,22	7800	0,35
KW 06B-2	9,525	5,72	6,35	3,28	22,7	2,5	1,25	1,00	8,20	10,24	0,56	16900	0,76
KW 08B-2	12,70	7,75	8,51	4,45	30,4	2,4	1,50	1,50	11,70	13,92	1,01	32000	1,35
KW 10B-2	15,875	9,65	10,16	5,08	35,4	2,6	1,50	1,50	14,60	16,59	1,34	44500	1,77
KW 12B-2	19,05	11,68	12,07	5,72	41,4	3,1	1,80	1,80	16,00	19,46	1,79	57800	2,45
KW 16B-2	25,40	17,02	15,88	8,28	67,3	3,4	3,70	3,00	21,00	31,88	4,21	106000	5,28
KW 20B-2	31,75	19,56	19,05	10,19	77,2	3,5	4,50	3,50	26,45	36,45	5,91	170000	7,53
KW 24B-2	38,10	25,40	25,40	14,63	101,6	4,7	6,00	5,00	33,25	48,36	11,09	280000	13,78
KW 28B-2	44,45	30,99	27,94	15,90	124,6	5,3	7,50	6,40	36,80	59,56	14,79	360000	19,11
KW 32B-2	50,80	30,99	29,21	17,81	123,8	5,8	7,00	6,40	42,00	58,55	16,21	450000	20,00
KW 40B-2	63,50	38,10	39,37	22,85	154,5	7,0	8,50	8,00	52,80	72,30	25,5	630000	33,00
KW 48B-2	76,20	45,70	48,20	29,20	190,0	8,0	12,00	10,00	64,00	91,21	41,23	1000000	54,00

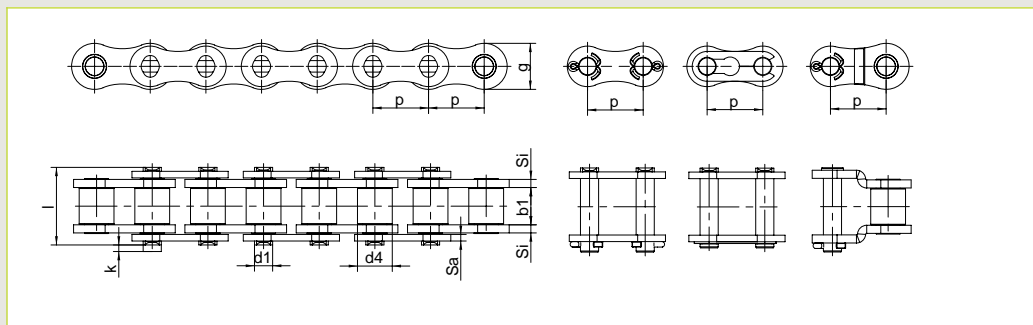
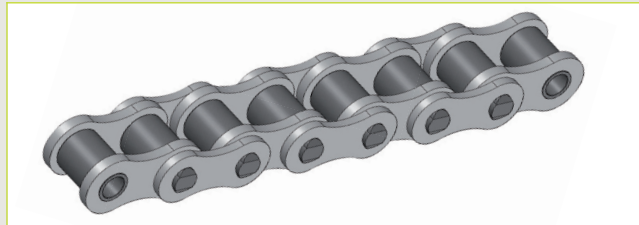
KW RC Triplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	p	b ₁	d ₄	d ₅	l	k	S ₁	S ₂	g	e	f	F _b	≈q
KW 06B-3	9,525	5,72	6,35	3,28	33,1	2,3	1,25	1,0	8,20	10,24	0,84	24900	1,12
KW 08B-3	12,70	7,75	8,51	4,45	44,5	2,3	1,5	1,5	11,70	13,92	1,51	44500	2,00
KW 10B-3	15,875	9,65	10,16	5,08	52,0	2,6	1,5	1,5	14,60	16,59	2,02	66700	2,64
KW 12B-3	19,05	11,68	12,07	5,72	60,9	3,0	1,8	1,8	16,00	19,46	2,68	86700	3,67
KW 16B-3	25,40	17,02	15,88	8,28	99,2	3,4	3,7	3,0	21,00	31,88	6,31	160000	8,00
KW 20B-3	31,75	19,56	19,05	10,19	113,5	3,5	4,5	3,5	15,78	36,45	8,87	250000	11,24
KW 24B-3	38,10	25,40	25,40	14,63	150,0	4,7	6,0	5,0	33,25	48,36	16,63	425000	21,00
KW 28B-3	44,45	30,99	27,94	15,90	184,3	5,2	7,5	6,4	36,80	59,56	22,18	530000	28,60
KW 32B-3	50,80	30,99	29,21	17,81	182,3	5,8	7,0	6,4	42,00	58,55	24,31	670000	30,00
KW 40B-3	63,50	38,10	39,37	22,85	228,5	5,3	8,5	8,0	52,80	72,30	38,25	950000	50,00
KW 48B-3	76,20	45,70	48,20	29,20	281,0	8,0	12,0	10,0	64,00	91,21	61,84	1500000	80,00

KettenWulf RC roller chains

The KettenWulf wear-resistant roller chains



KW RC Simplex, design sizes according to American standard

ISO 606/ DIN 8188

Type of chain	Pitch [mm] p	Min. clearance width [mm] b_1	Max. protective roller \varnothing [mm] d_e	Max. pin \varnothing [mm] d_1	Max. pin length [mm] l	Max. connecting pin overhang [mm] k	Internal plate thickness [mm] S_i	External plate thickness [mm] S_e	Plate height [mm] g	Transverse pitch [mm] e	Link surface [cm ²] f	Fracture force [N] F_B	Weight [kg/ m] $\approx q$
KW 25	6,35	3,18	3,30	2,31	7,80	0,60	0,76	0,76	5,9	–	0,11	3500	0,15
KW 35	9,525	4,68	5,08	3,58	12,15	0,95	1,30	1,30	9,0	–	0,27	7900	0,36
KW 40	12,70	7,85	7,92	3,96	16,60	1,15	1,50	1,50	12,0	–	0,43	13800	0,64
KW 41	12,70	6,25	7,77	3,58	13,75	1,65	1,30	1,30	9,9	–	0,32	6700	0,48
KW 50	15,875	9,40	10,14	5,08	20,40	2,10	2,00	2,00	14,6	–	0,69	21800	1,04
KW 60	19,05	12,57	11,91	5,94	25,30	3,30	2,40	2,40	17,5	–	1,05	31800	1,53
KW 80	25,40	15,75	15,88	7,92	32,00	3,80	3,00	3,00	23,1	–	1,77	55600	2,56
KW 100	31,75	18,90	19,05	9,53	40,00	3,40	4,00	4,00	30,1	–	2,58	87000	4,10
KW 120	38,10	25,30	22,23	11,10	50,40	3,10	4,80	4,80	35,8	–	3,89	125000	6,00
KW 140	44,45	25,30	25,40	12,70	54,50	4,20	5,60	5,60	42,0	–	4,64	169000	7,74
KW 160	50,80	31,55	28,58	14,27	64,50	4,20	6,40	6,40	48,0	–	6,36	223000	10,25
KW 200	63,50	54,94	39,68	19,84	79,50	6,00	8,00	8,00	60,0	–	10,73	347000	17,00

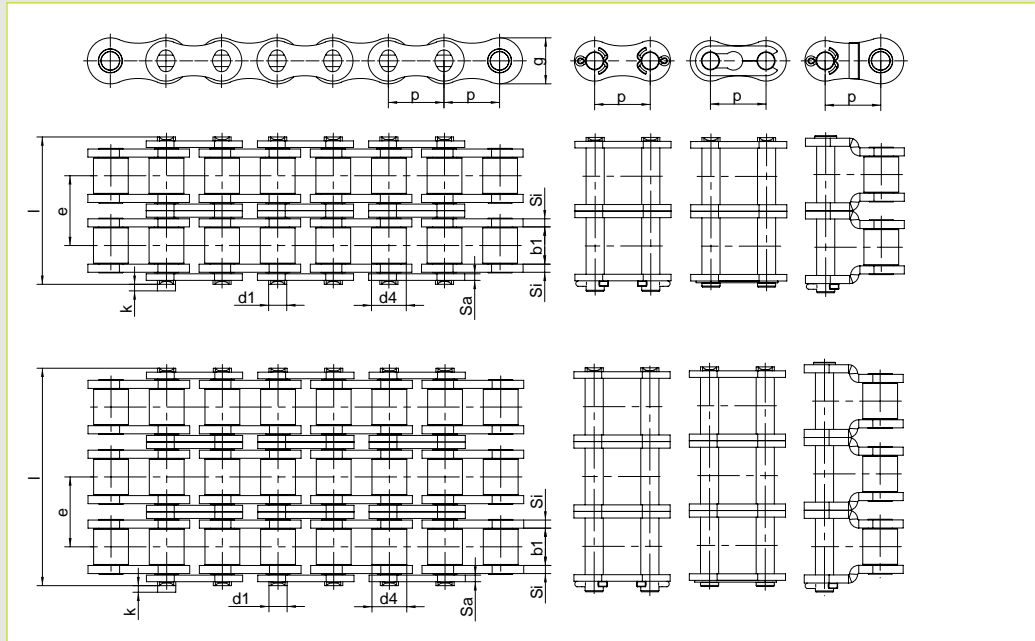
» The indicated fracture forces correspond to ISO 606. We shall be glad to inform you of the higher effective fracture forces on request.

KettenWulf RC roller chains

The KettenWulf wear-resistant roller chains

RC

KettenWulf RC roller chains



KW RC Duplex, design sizes according to American standard

ISO 606/ DIN 8188

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₄	d ₁	l	k	S _i	S _e	g	e	f	F ₀	≈q
KW 35-2	9,525	4,68	5,08	3,58	22,5	0,90	1,3	1,3	9,0	10,13	0,53	15800	0,71
KW 40-2	12,70	7,85	7,92	3,96	31,1	1,15	1,5	1,5	12,0	14,38	0,87	27600	1,36
KW 50-2	15,875	9,40	10,14	5,08	38,5	2,10	2,0	2,0	14,6	18,11	1,38	43600	2,05
KW 60-2	19,05	12,57	15,88	5,94	48,1	3,10	2,4	2,4	17,5	22,78	2,10	62600	3,03
KW 80-2	25,40	15,75	15,88	7,92	61,3	3,60	3,0	3,0	23,1	29,29	3,54	111200	5,09
KW 100-2	31,75	18,90	19,05	9,53	75,8	3,40	4,0	4,0	30,1	35,76	5,16	174000	8,14
KW 120-2	38,10	25,30	22,23	11,10	95,7	3,10	4,8	4,8	35,8	45,44	7,78	250000	11,86
KW 140-2	44,45	25,30	25,40	12,70	103,1	4,20	5,6	5,6	42,0	48,90	9,40	340000	15,34
KW 160-2	50,80	31,55	28,58	14,27	122,9	4,30	6,4	6,4	48,0	58,50	12,72	446000	20,35
KW 200-2	63,50	54,94	39,68	19,84	151,0	5,90	8,0	8,0	60,0	71,60	21,50	693900	33,41

KW RC Triplex, design sizes according to American standard

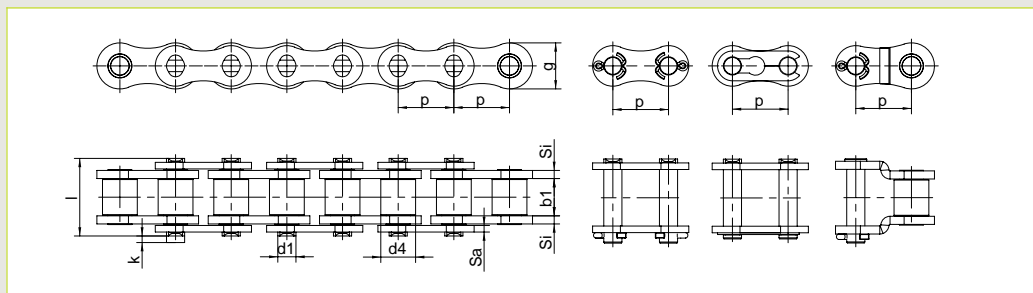
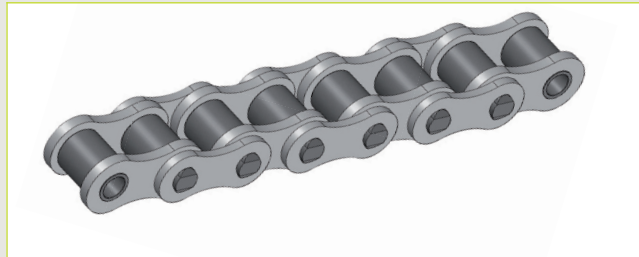
ISO 606/ DIN 8188

Type of chain	p	b ₁	d ₄	d ₁	l	k	S _i	S _e	g	e	f	F ₀	≈q
KW 35-3	9,525	4,68	5,08	3,58	32,6	0,9	1,3	1,3	9,0	10,13	0,80	23400	0,97
KW 40-3	12,70	7,85	7,92	3,96	45,4	1,4	1,5	1,5	12,0	14,38	1,30	41400	1,97
KW 50-3	15,875	9,40	10,14	5,08	56,6	2,1	2,0	2,0	14,6	18,11	2,07	65400	3,08
KW 60-3	19,05	12,57	11,91	5,94	70,9	3,0	2,4	2,4	17,5	22,78	3,13	93400	4,53
KW 80-3	25,40	15,75	15,88	7,92	90,6	3,6	3,0	3,0	23,1	29,29	5,31	166800	7,61
KW 100-3	31,75	18,90	19,05	9,53	111,6	3,4	4,0	4,0	30,1	35,76	7,73	261000	12,17
KW 120-3	38,10	25,30	22,23	11,10	141,0	3,1	4,8	4,8	35,8	45,44	11,66	375000	17,74
KW 140-3	44,45	25,30	25,40	12,70	151,8	4,4	5,6	5,6	42,0	48,90	14,10	507100	22,94
KW 160-3	50,80	31,55	28,58	14,27	181,4	4,2	6,4	6,4	48,0	58,50	19,10	669000	30,45
KW 200-3	63,50	54,94	39,68	19,84	222,5	5,5	8,0	8,0	60,0	71,60	32,20	1041000	49,87

» The indicated fracture forces correspond to ISO 606. We shall be glad to inform you of the higher effective fracture forces on request.

KettenWulf HS roller chains

The KettenWulf reinforced roller chains



KW HS Simplex, design sizes according to American standard

ISO 606/ DIN 8188

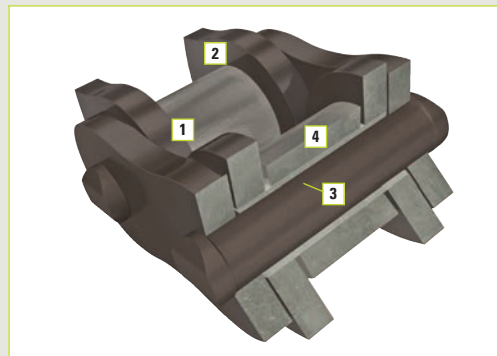
Type of chain	Pitch [mm] p	Min. clearance width [mm] b_1	Max. protective roller \varnothing [mm] d_e	Max. pin \varnothing [mm] d_1	Max. pin length [mm] l	Max. connecting pin overhang [mm] k	Internal plate thickness [mm] S_i	External plate thickness [mm] S_e	Plate height [mm] g	Transverse pitch [mm] e	Link surface [cm ²] f	Fracture force [N] F_B	Weight [kg/ m] $\approx q$
KW 50 HS	15,875	9,50	10,14	5,08	22,5	0,7	2,4	2,4	14,6	–	0,73	34700	1,17
KW 60 HS	19,05	12,58	11,91	5,94	28,8	3,2	3,0	3,0	17,5	–	1,14	49000	1,76
KW 80 HS	25,40	15,75	15,88	7,92	36,3	1,7	4,0	4,0	23,1	–	1,90	87000	3,08
KW 100 HS	31,75	18,90	19,05	9,53	43,4	4,8	4,8	4,8	30,1	–	2,73	133450	4,65
KW 120 HS	38,10	25,23	22,23	11,10	53,8	5,2	5,6	5,6	36,0	–	4,06	182400	6,68
KW 140 HS	44,45	25,40	25,40	12,70	56,6	5,9	6,4	6,4	41,0	–	4,85	224000	8,40

KettenWulf HFS roller chains

KettenWulf Roller Chains for High Loading Applications

Due to increasing demands in the drive technology field, the "High Fatigue Strength" (HFS) series was developed. These chains have an optimized fatigue strength and resistance wear due to the high load applications the chains were designed for.

The pins in HFS roller chains are highly alloyed, case hardened steel which give the pins greater shear strength and a longer flex fatigue life. Additionally, a high quality surface is bonded to the pins during cold drawing of the pins. Also, the pins have a high wear resistance due to grinding of the pin surface.



The seamless bush provides a more uniformly round surface than steel pipe, which gives the final product a more precise length, increased wear resistance and minimal feed extension.

The good bore quality of the link plate holes, a prerequisite for a good press fit, gives the HFS roller chain its extraordinary fatigue strength.

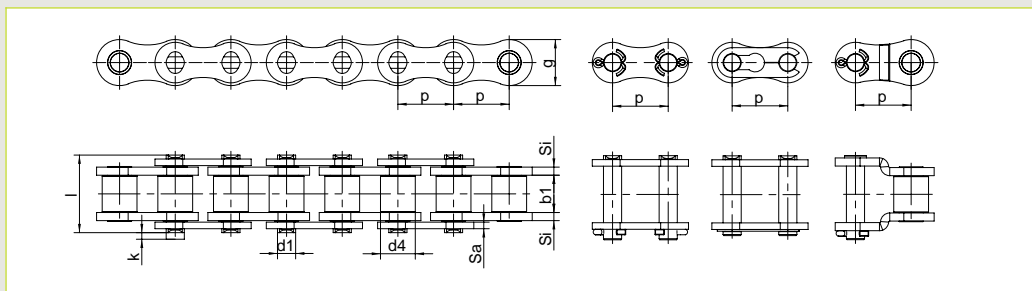
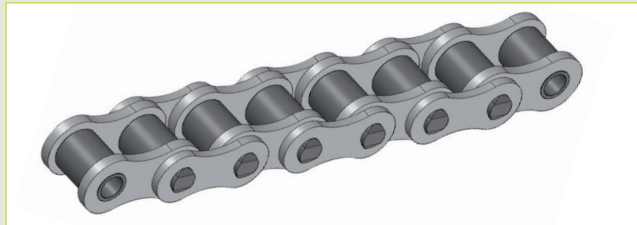
Finally, a seamless and tempered roller provides and additional lever of impact and wear strength.

KettenWulf HFS roller chains

1. Shot-peened plates with calibrated bores, tempered
2. Seamless, tempered rollers for maximum impact resistance
3. Seamless, cold-extruded bushes, case-hardened
4. Wear-optimized pins, case-hardened

KettenWulf HFS roller chains

The KettenWulf roller chains for high-loading applications



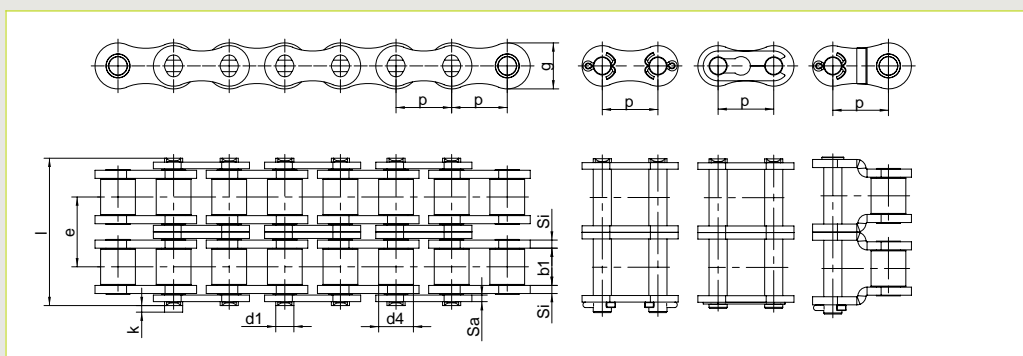
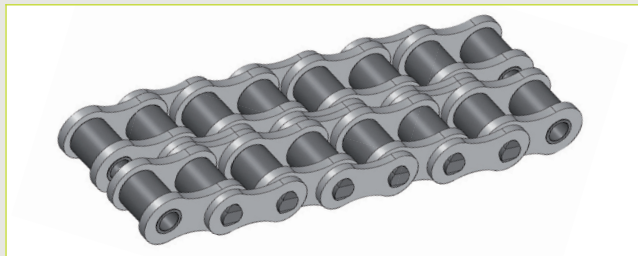
KW HFS Simplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d _e	d _i	l	k	S _i	S _e	g	e	f	F _B	≈q
KW 08B HFS	12,70	7,75	8,51	4,45	17,0	1,6	1,50	1,50	11,80	–	0,50	18800	0,75
KW 10B HFS	15,875	9,65	10,16	5,08	19,6	2,5	1,65	1,65	14,70	–	0,67	26300	0,98
KW 12B HFS	19,05	11,68	12,07	5,72	22,7	3,3	1,80	1,80	16,10	–	0,89	30500	1,26
KW 16B HFS	25,40	17,02	15,88	8,28	36,1	3,1	4,00	3,20	21,00	–	2,10	72500	2,83
KW 20B HFS	31,75	19,56	19,05	10,19	43,2	4,4	4,50	3,50	26,40	–	2,96	109900	3,94
KW 24B HFS	38,10	25,40	25,40	14,63	53,4	5,5	6,00	4,70	33,40	–	5,54	178300	7,21
KW 28B HFS	44,45	30,99	27,94	15,90	65,1	4,8	7,40	6,00	37,00	–	7,39	245000	9,58
KW 32B HFS	50,80	30,99	29,21	17,81	67,4	3,9	6,90	6,00	42,20	–	8,10	272400	9,97
KW 40B HFS	63,50	38,10	39,37	22,89	81,5	7,0	8,50	8,00	52,90	–	12,75	400000	17,00
KW 48B HFS	76,20	45,72	48,20	29,20	99,1	6,9	12,00	10,00	64,00	–	20,61	600000	27,00
KW 56B HFS	88,90	53,34	54,00	34,30	113,0	12,0	14,00	12,00	78,00	–	27,90	850000	38,00
KW 64B HFS	101,60	60,96	63,50	39,40	129,0	19,0	15,00	14,00	93,30	–	36,25	1120000	49,50
KW 72B HFS	114,30	68,58	72,39	44,50	147,0	14,0	18,00	15,00	103,63	–	46,19	1400000	64,50

KettenWulf HFS roller chains

The KettenWulf roller chains for high-loading applications



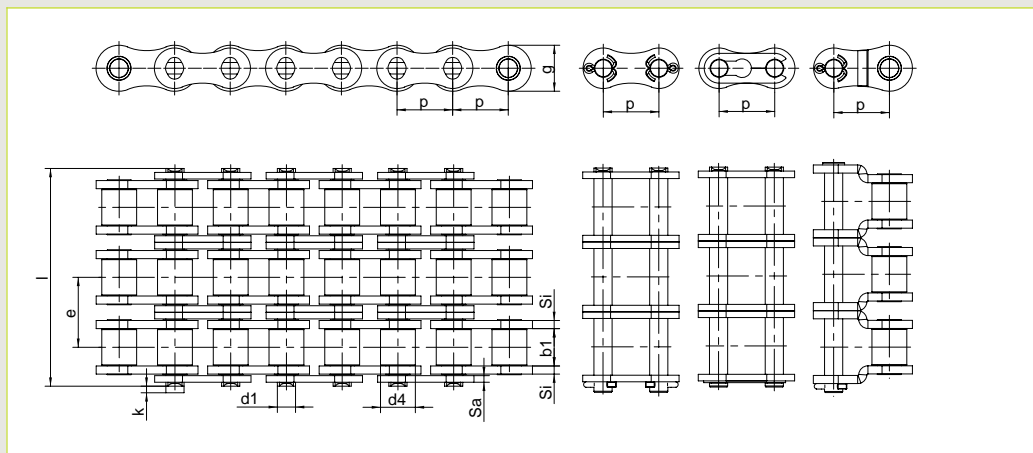
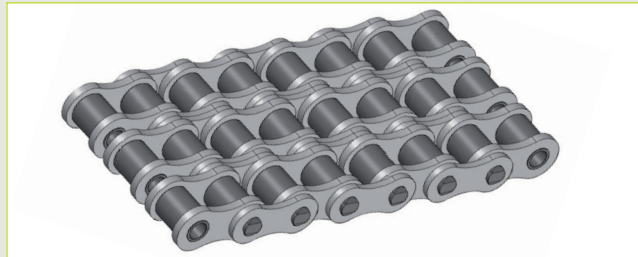
KW HFS-Duplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₂	l	k	S _i	S _e	g	e	f	F ₀	z q
KW 08B-2 HFS	12,70	7,75	8,51	4,45	31,0	1,6	1,50	1,50	11,80	13,92	1,01	37600	1,45
KW 10B-2 HFS	15,875	9,65	10,16	5,08	36,2	2,7	1,65	1,65	14,70	16,59	1,34	52600	1,93
KW 12B-2 HFS	19,05	11,68	12,07	5,72	42,2	3,0	1,80	1,80	16,10	19,46	1,79	61000	2,49
KW 16B-2 HFS	25,40	17,02	15,88	8,28	68,0	3,4	4,00	3,20	21,00	31,88	4,21	145000	5,28
KW 20B-2 HFS	31,75	19,56	19,05	10,19	79,0	5,1	4,50	3,50	26,40	36,45	5,91	219800	7,78
KW 24B-2 HFS	38,10	25,40	25,40	14,63	101,0	6,7	6,00	4,70	33,40	48,36	11,08	356600	14,31
KW 28B-2 HFS	44,45	30,99	27,94	15,90	124,0	5,5	7,40	6,00	37,00	59,56	14,79	490000	19,00
KW 32B-2 HFS	50,80	30,99	29,21	17,81	126,0	3,8	6,90	6,00	42,20	58,55	16,21	544800	19,59
KW 40B-2 HFS	63,50	38,10	39,37	22,85	153,0	7,4	8,50	8,00	52,96	72,29	25,50	800000	33,00
KW 48B-2 HFS	76,20	45,72	48,20	29,20	190,4	7,6	12,00	10,00	64,00	91,21	41,23	1200000	54,00
KW 56B-2 HFS	88,90	53,34	54,00	34,30	221,5	11,5	14,00	12,00	78,00	106,6	55,80	1600000	75,00
KW 64B-2 HFS	101,60	60,96	63,50	39,40	250,0	10,0	15,00	14,00	93,30	119,89	72,50	2100000	100,00
KW 72B-2 HFS	114,30	68,58	72,39	44,50	282,8	10,7	18,00	15,00	103,63	136,27	92,40	2700000	129,00

KettenWulf HFS roller chains

The KettenWulf roller chains for high-loading applications



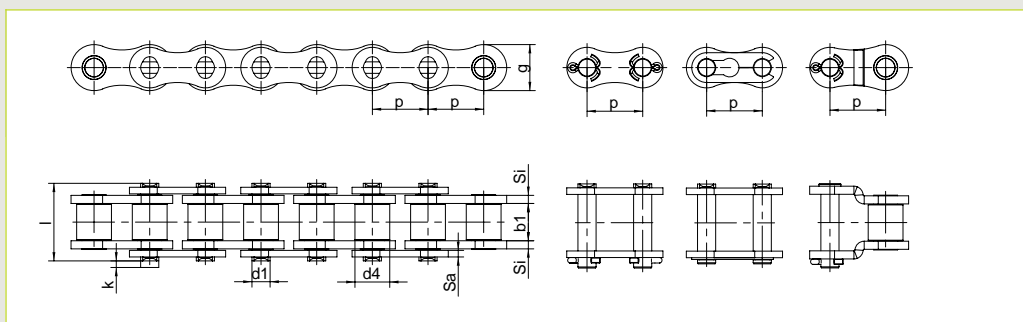
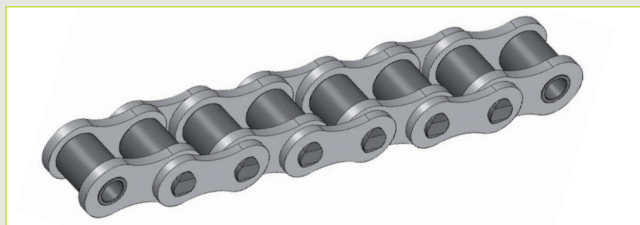
KW HFS Triplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d _i	d ₁	l	k	S _i	S _e	g	e	f	F ₀	z q
KW 08B-3 HFS	12,70	7,75	8,51	4,45	44,9	1,7	1,50	1,50	11,80	13,92	1,51	56400	2,15
KW 10B-3 HFS	15,875	9,65	10,16	5,08	52,8	2,5	1,65	1,65	14,70	16,59	2,02	78900	2,89
KW 12B-3 HFS	19,05	11,68	12,07	5,72	61,7	3,2	1,80	1,80	16,10	19,46	2,68	91500	3,72
KW 16B-3 HFS	25,40	17,02	15,88	8,28	99,9	3,6	4,00	3,20	21,00	31,88	6,31	217500	7,88
KW 20B-3 HFS	31,75	19,56	19,05	10,19	116,0	4,6	4,50	3,50	26,40	36,45	8,87	329700	11,66
KW 24B-3 HFS	38,10	25,40	25,40	14,63	150,0	5,8	6,00	4,70	33,40	48,36	16,63	534900	21,10
KW 28B-3 HFS	44,45	30,99	27,94	15,90	184,0	5,1	7,40	6,00	37,00	59,56	22,18	735000	28,34
KW 32B-3 HFS	50,80	30,99	29,21	17,81	184,0	4,4	6,90	6,00	42,20	58,55	24,31	817200	29,30
KW 40B-3 HFS	63,50	38,10	39,37	22,89	226,0	7,0	8,50	8,00	52,90	72,29	38,25	1200000	50,00
KW 48B-3 HFS	76,20	45,72	48,20	29,20	281,0	8,0	12,00	10,00	64,00	91,21	61,84	1800000	80,00
KW 56B-3 HFS	88,90	53,34	54,00	34,30	330,0	12,0	14,00	12,00	78,00	106,60	83,71	2310000	111,50
KW 64B-3 HFS	101,60	60,96	63,50	39,40	370,0	10,0	15,00	14,00	90,17	119,89	108,74	3050000	150,00
KW 72B-3 HFS	114,30	68,58	72,39	44,50	420,0	14,0	18,00	15,00	103,63	136,27	135,57	3930000	194,00

KettenWulf HFS roller chains

The KettenWulf roller chains for high-loading applications



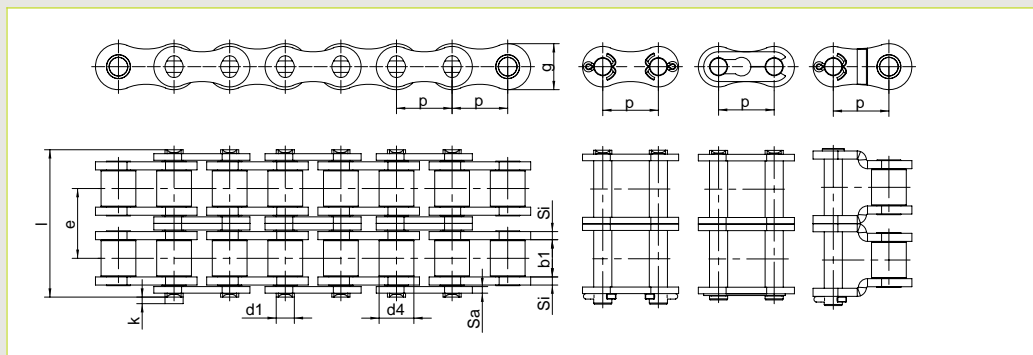
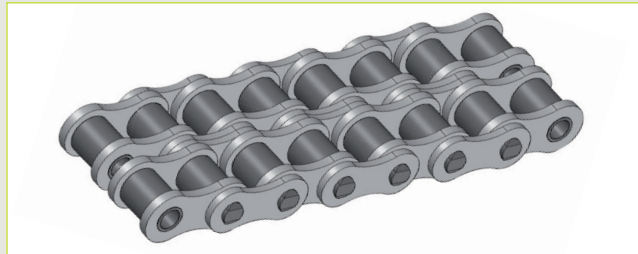
KW HFS Simplex, design sizes according to American standard

ISO 606/ DIN 8188

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d _e	d _i	l	k	S _i	S _e	g	e	f	F _B	≈q
KW 40 HFS	12,70	7,90	7,90	3,97	16,32	2,40	1,5	1,5	12,06	–	0,44	17200	0,62
KW 50 HFS	15,875	9,50	10,14	5,08	20,30	2,17	2,0	2,0	15,08	–	0,70	27400	1,01
KW 60 HFS	19,05	12,70	11,88	5,95	25,26	2,80	2,4	2,4	18,09	–	1,05	38200	1,45
KW 80 HFS	25,40	15,85	15,84	7,93	32,76	3,67	3,2	3,2	24,13	–	1,78	72500	2,55
KW 100 HFS	31,75	19,10	19,04	9,53	40,08	3,86	4,0	4,0	30,16	–	2,61	102900	3,95
KW 120 HFS	38,10	25,40	22,20	11,11	49,92	6,00	4,8	4,8	36,19	–	3,92	142100	5,64
KW 140 HFS	44,45	25,40	25,39	12,70	54,16	7,90	5,6	5,6	42,22	–	4,70	191100	7,38
KW 240 HFS	76,20	47,63	47,63	23,80	96,50	7,50	9,5	9,5	72,39	–	15,86	676000	25,00

KettenWulf HFS roller chains

The KettenWulf roller chains for high-loading applications



KW HFS-Duplex, design sizes according to American standard

ISO 606/ DIN 8188

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₁	l	k	S ₁	S _e	g	e	f	F _b	≈q
KW 35-2 HFS	9,52	4,78	5,08	3,59	22,28	1,58	1,28	1,28	9,04	10,13	0,27	20500	0,63
KW 40-2 HFS	12,70	7,90	7,90	3,97	30,78	2,40	1,50	1,50	12,06	14,38	0,88	33300	1,22
KW 50-2 HFS	15,875	9,50	10,14	5,03	38,20	2,40	2,00	2,00	15,08	18,11	1,40	54800	2,00
KW 60-2 HFS	19,05	12,70	11,88	5,95	48,00	2,72	2,40	2,40	18,09	22,78	2,10	76400	2,87
KW 80-2 HFS	25,40	15,85	15,40	7,93	61,96	4,10	3,20	3,20	24,13	29,29	3,56	145000	5,05
KW 100-2 HFS	31,75	19,10	19,04	9,53	75,80	4,30	4,00	4,00	30,16	35,76	5,22	235800	7,86
KW 120-2 HFS	38,10	25,40	22,20	11,11	95,86	4,37	4,80	4,80	36,19	45,44	7,84	284200	11,20
KW 240-2 HFS	76,20	47,63	47,63	23,80	185,00	9,00	9,50	9,50	71,00	78,83	31,70	1352000	46,00

KW HFS Triplex, design sizes according to American standard

ISO 606/ DIN 8188

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₁	l	k	S ₁	S _e	g	e	f	F _b	≈q
KW 40-3 HFS	12,70	7,90	7,90	3,90	45,08	2,40	1,5	1,5	12,06	14,38	1,32	51600	1,82
KW 50-3 HFS	15,875	9,50	10,14	5,08	56,40	2,75	2,0	2,0	15,08	18,11	0,21	82200	2,98
KW 60-3 HFS	19,05	12,70	11,88	5,95	70,92	2,70	2,4	2,4	18,09	22,78	3,15	114600	4,28
KW 80-3 HFS	25,40	15,85	15,84	7,93	90,96	3,90	3,2	3,2	24,13	29,29	5,34	217500	7,50
KW 100-3 HFS	31,75	19,10	19,04	9,53	111,60	4,30	4,0	4,0	30,16	35,76	7,83	308700	11,75
KW 120-3 HFS	38,10	25,40	22,20	11,11	140,80	4,96	4,8	4,8	36,19	45,44	11,76	426300	16,73
KW 140-3 HFS	44,45	25,40	25,39	12,70	152,56	4,30	5,6	5,6	42,22	48,87	14,10	173300	21,93
KW 160-3 HFS	50,80	31,65	28,35	14,28	183,08	4,56	6,3	6,3	48,26	58,55	19,26	735000	27,89
KW 200-3 HFS	63,50	38,10	39,67	19,84	222,00	9,00	8,0	8,0	60,00	71,55	32,20	1407000	48,90
KW 240-3 HFS	76,20	47,63	47,63	23,80	272,00	9,00	9,5	9,5	71,00	87,83	47,60	2028000	72,70

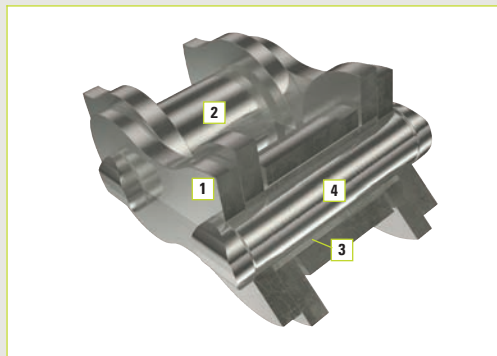
KettenWulf SS roller chains

KettenWulf Stainless Steel Roller Chains

All SS (Stainless Steel) series roller chains from KettenWulf are produced from stainless steel and according to ISO standard 606. Due to the materials used in production, KettenWulf SS roller chains are suitable for service in acidic or alkaline environments as well as in the foodstuffs sector.

Reduction of performance due to temperature fluctuations in stainless steel chains is less than in standard roller chains. But, since stainless steel parts are not hardened, the load carrying capacity is smaller than that of KettenWulf's standard roller chain.

On request, chains can be provided with foodstuffs suitable lubrication, according to FDA Class H1 or H2.

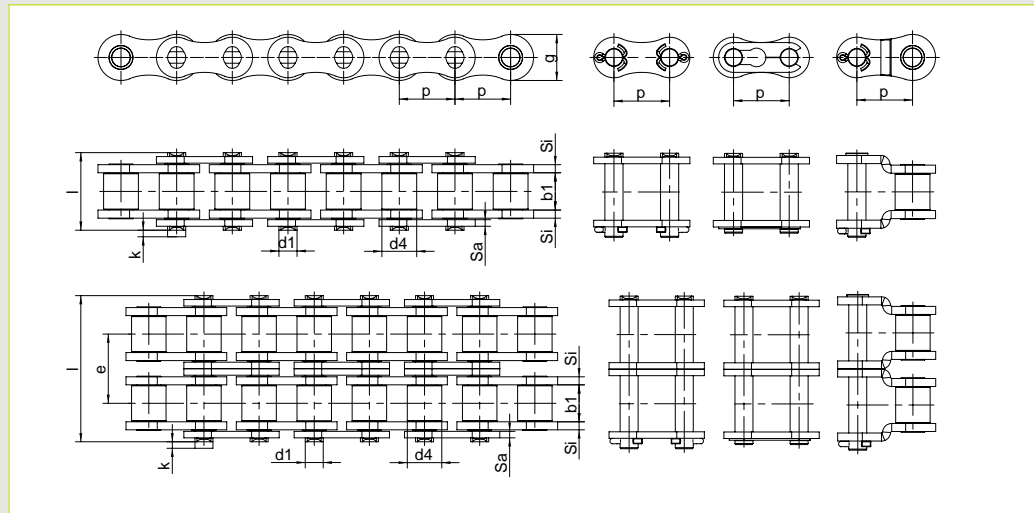


The KettenWulf SS roller chains

1. Plate in stainless steel
2. Seamless stainless steel roller
3. Seamless stainless steel bush
4. Wear-optimized pins in stainless steel

KettenWulf SS roller chains

The KettenWulf stainless roller chains



KW SS Simplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₄	d ₁	l	k	S	S _e	g	e	f	F _b	≈q
KW 06B SS	9,525	5,72	6,35	3,28	13,5	3,3	1,3	1,30	8,20	–	0,28	5800	0,38
KW 08B SS	12,70	7,75	8,51	4,45	17,0	2,3	1,5	1,50	11,75	–	0,50	10700	0,68
KW 10B SS	15,875	9,65	10,16	5,08	18,6	3,1	1,65	1,65	14,65	–	0,67	14700	0,86
KW 12B SS	19,05	11,68	12,07	5,72	22,7	2,7	1,80	1,80	16,10	–	0,89	18600	1,21
KW 16B SS	25,40	17,02	15,88	8,28	36,1	7,0	4,0	3,20	20,40	–	2,10	39200	2,66
KW 20B SS	31,75	19,56	19,05	10,19	40,2	7,2	4,5	3,20	26,00	–	2,96	58000	3,62
KW 24B SS	38,10	25,40	25,40	14,63	51,8	5,2	6,0	4,80	33,40	–	5,54	115000	7,00
KW 32B SS	50,80	31,00	29,21	17,81	65,2	7,8	6,9	6,30	42,00	–	8,10	177000	10,50

KW SS Duplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	p	b ₁	d ₄	d ₁	l	k	S	S _e	g	e	f	F _b	≈q
KW 06B-2 SS	9,525	5,72	6,35	3,28	23,8	2,0	1,30	1,10	8,20	10,24	0,56	11600	0,74
KW 08B-2 SS	12,70	7,75	8,51	4,45	31,0	1,3	1,50	1,50	11,75	13,92	1,01	21400	1,34
KW 10B-2 SS	15,875	9,65	10,16	5,08	36,2	2,0	1,65	1,65	14,65	15,69	1,34	29400	1,81
KW 12B-2 SS	19,05	11,68	12,07	5,72	42,2	1,4	1,80	1,80	16,10	19,46	1,79	37200	2,40
KW 16B-2 SS	25,40	17,02	15,88	8,28	68,0	3,6	4,00	3,20	20,40	31,88	4,24	78400	5,28

KW SS Simplex, design sizes according to American standard

ISO 606/ DIN 8188

Type of chain	p	b ₁	d ₄	d ₁	l	k	S	S _e	g	e	f	F _b	≈q
KW 60 SS	19,05	12,58	11,91	5,96	26,9	2,9	2,4	2,4	17,40	–	1,05	25400	1,44
KW 80 SS	25,40	15,75	15,88	7,94	33,5	5	3,2	3,2	23,15	–	1,77	45000	2,83

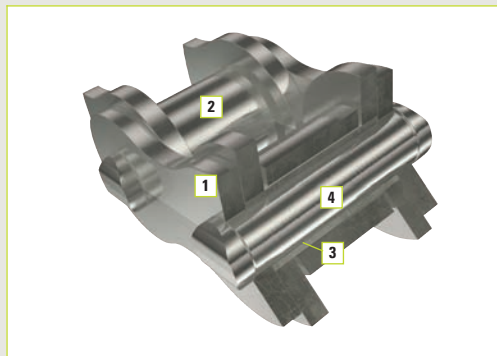
KettenWulf NP roller chains

The KettenWulf corrosion-resistant roller chains

KettenWulf's "Nickel Plated" (NP) roller chains are produced according to the same specifications as KettenWulf's RC roller chains, but are nickel plated in addition. The nickel plating creates a corrosion resistant surface on the chain. The combination of nickel plating and high manufacturing standards results in a chain that corrosion resistant, but retains

the high load carrying capacity of RC roller chain.

The use of additional copper substrates in nickel plating enhances the corrosion protection characteristics beyond standard nickel plating. Additionally, KettenWulf NP roller chains are free of Chrome 6 parts and hydrogen embrittlement.



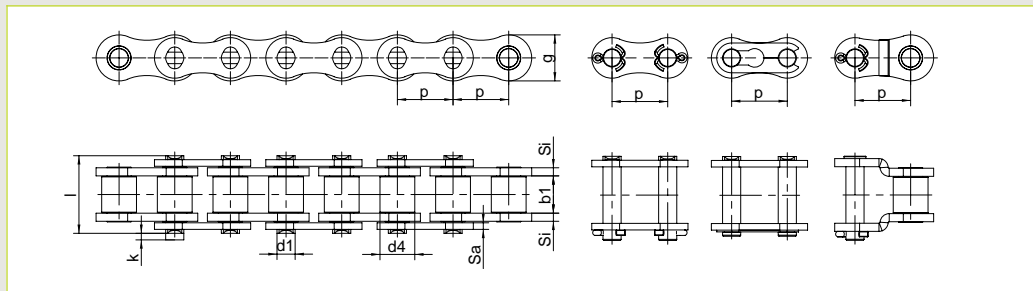
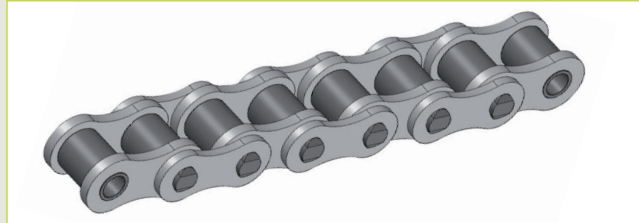
Nickel plated chains are used mainly in the food-stuffs and packaging industries, and can be delivered with FDA H1 or H2 classified lubricant upon request.

KettenWulf NP roller chains

1. Shot-peened, tempered and nickel plated link plates
2. Seamless, case hardened, nickel plated rollers
3. Seamless, cold-extruded bushes, case hardened, nickel plated bushes
4. Case hardened, nickel plated wear optimized pins

KettenWulf NP roller chains

The KettenWulf corrosion-resistant roller chains



KW NP Simplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	Pitch [mm] p	Min. clearance width [mm] b_1	Max. protective roller \varnothing [mm] d_e	Max. pin \varnothing [mm] d_1	Max. pin length [mm] l	Max. connecting pin overhang [mm] k	Internal plate thickness [mm] S_i	External plate thickness [mm] S_e	Plate height [mm] g	Transverse pitch [mm] e	Link surface [cm ²] f	Fracture force [N] F_b	Weight [kg/m] ρq
KW 08B NP	12,70	7,75	8,51	4,45	16,5	2,4	1,5	1,5	11,70	–	0,50	18000	0,70
KW 10B NP	15,875	9,65	10,16	5,08	18,8	2,6	1,5	1,5	14,60	–	0,67	22200	0,90
KW 12B NP	19,05	11,68	12,07	5,72	22,3	2,7	1,8	1,8	16,00	–	0,89	28900	1,20
KW 16B NP	25,40	17,02	15,88	8,28	35,4	3,4	3,7	3,0	21,00	–	2,10	60000	2,67
KW 20B NP	31,75	19,56	19,05	10,19	40,8	3,4	4,5	3,5	25,78	–	2,96	95000	3,81
KW 24B NP	38,10	25,40	25,40	14,63	53,3	4,7	6,0	5,5	33,25	–	5,54	160000	7,00

» The indicated fracture forces correspond to ISO 606. We shall be glad to inform you of the higher effective fracture forces on request.

KettenWulf TGI roller chains

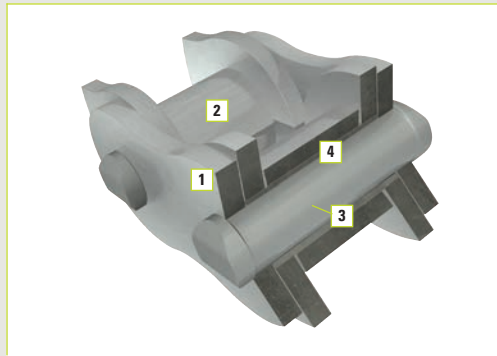
KettenWulf Wear and Corrosion Resistant Roller Chains

KettenWulf's "Tri Guard Inchromised" (TGI) roller chains meet the harshest demands of corrosion resistance, wear resistance and fatigue strength.

The manufacturing process of our TGI roller chain guarantees a fatigue strength which is identical to the KettenWulf HFS roller chain. Further, all components of the chain are Dacromet coated. The TGI roller chain gains much of its wear resistance from the inchromised pin, which has a particularly hard and smooth surface.

Due to the high wear resistance and fatigue strength exhibited by KettenWulf's TGI roller chain, these chains are utilized in environments that require a constant high load carrying capacity.

The dimensions correspond to ISO 606, guaranteeing compatibility with other chains corresponding to the standard.

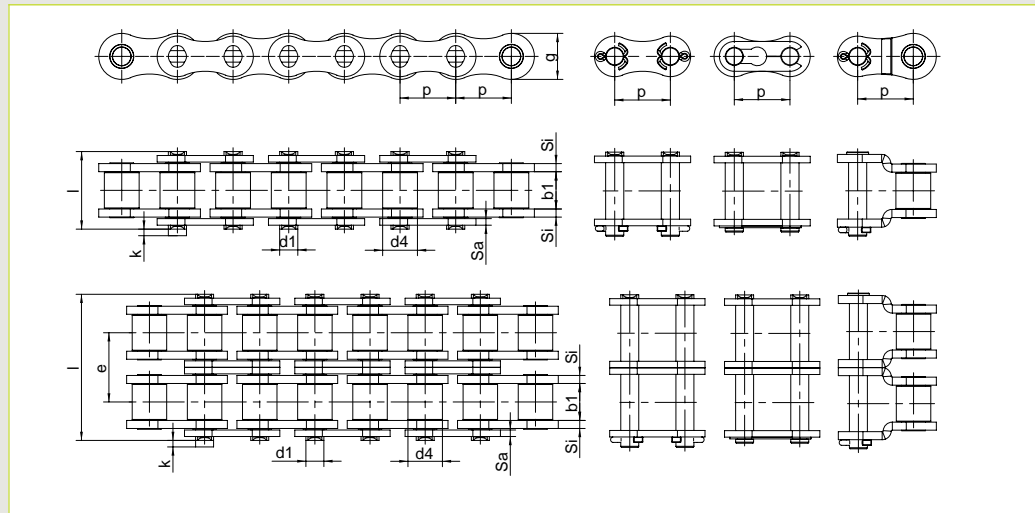


KettenWulf TGI roller chains

1. Shot-peened, tempered and nickel plated link plates
2. Seamless, case hardened, nickel plated rollers
3. Seamless, cold-extruded bushes, case hardened, nickel plated bushes
4. Case hardened, nickel plated wear optimized pins

KettenWulf TGI roller chains

The KettenWulf wear-resistant and corrosion-resistant roller chains



KW TGI Simplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₄	d ₁	l	k	S ₁	S _a	g	e	f	F ₀	≈q
KW 08B TGI	12,70	7,75	8,51	4,45	17,0	1,6	1,50	1,50	11,8	–	0,50	18100	0,75
KW 10B TGI	15,875	9,65	10,16	5,08	19,6	2,5	1,65	1,65	14,7	–	0,67	22900	0,98
KW 12B TGI	19,05	11,68	12,07	5,72	22,7	3,3	1,80	1,80	16,1	–	0,89	30000	1,26
KW 16B TGI	25,40	17,02	15,88	8,28	36,1	3,1	4,00	3,20	21,0	–	2,10	69600	2,83
KW 20B TGI	31,75	19,56	19,05	10,19	43,2	4,4	4,50	3,50	26,4	–	2,96	115700	3,94
KW 24B TGI	38,10	25,40	25,40	14,63	53,4	5,5	6,00	4,70	33,4	–	5,54	177000	7,21

KW TGI Duplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	p	b ₁	d ₄	d ₁	l	k	S ₁	S _a	g	e	f	F ₀	≈q
KW 08B-2 TGI	12,7	7,75	8,51	4,45	31,0	1,6	1,50	1,50	11,8	13,92	1,01	36300	1,45
KW 10B-2 TGI	15,875	9,65	10,16	5,08	36,2	2,7	1,65	1,65	14,7	16,59	1,34	45800	1,93
KW 12B-2 TGI	19,05	11,68	12,07	5,72	42,2	3,0	1,80	1,80	16,1	19,46	1,79	60000	2,49
KW 16B-2 TGI	25,4	17,02	15,88	8,28	68,0	3,4	4,00	3,20	21,0	31,88	4,21	139200	5,28
KW 20B-2 TGI	31,75	19,56	19,05	10,19	79,0	5,1	4,50	3,50	26,4	36,45	5,91	231300	7,78

KW TGI Simplex, design sizes according to American standard

ISO 606/ DIN 8188

Type of chain	p	b ₁	d ₄	d ₁	l	k	S ₁	S _a	g	e	f	F ₀	≈q
KW 40 TGI	12,70	7,90	7,90	3,97	16,32	2,40	1,5	1,5	12,06	–	0,44	17200	0,62
KW 50 TGI	15,875	9,50	10,14	5,08	20,30	2,17	2,0	2,0	15,08	–	0,70	27400	1,01
KW 60 TGI	19,05	12,70	11,88	5,95	25,26	2,80	2,4	2,4	18,09	–	1,05	38200	1,45
KW 80 TGI	25,40	15,85	15,84	7,93	32,76	3,67	3,2	3,2	24,13	–	1,78	72500	2,55

KettenWulf LF roller chains

KettenWulf's Lubrication Free Roller Chains

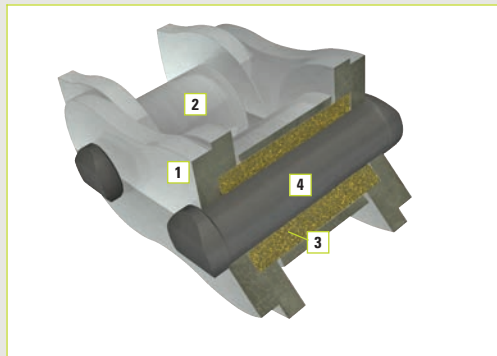
KettenWulf's "Lubrication Free" (LF) roller chains are characterized by a special oil impregnated sinter bush. The special impregnated bush in conjunction with the inchromised pin forms a highly wear resistant and long lasting chain. The lubrication is initially activated through friction and elevated temperatures, while a light initial lubrication is applied during production for protective purposes. The link plates are also coated to add to the corrosion resistance.

The advantage of this technology is the lubrication between bush and protective roller, which is locked in the sinter bush.

The load carrying capacity of LF chain is slightly less than standard roller chain with regular maintenance. The operational temperature range of the LF chains is -30 C to +120 C.

The functional dimensions of LF chain correspond to ISO 606, however the bush diameters are slightly larger than standard chain. Additionally, in order to guarantee the fracture load, the plate heights are also dimensionally larger. However, these changes in dimensions do not affect the operation of the machines.

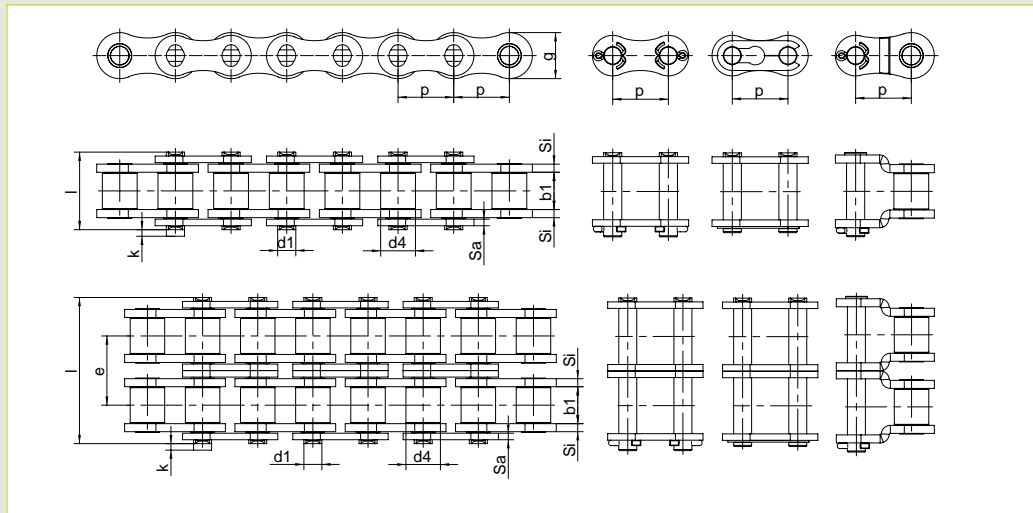
KettenWulf also offers our LF chain with straight link plates. LF chains with straight link plates are used most commonly and successfully in transportation of pallets and skids.



- KettenWulf LF roller chains**
- 1. Shot-peened plates with calibrated bores, tempered and Dacromet coated in addition**
 - 2. Seamless, tempered rollers**
 - 3. Self-lubricating, oil-containing sinter bushes**
 - 4. Tempered pins, inchromised in addition**

KettenWulf LF roller chains

The KettenWulf lubrication-free roller chains



KW LF Simplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₁	l	k	S ₁	S ₂	g	e	f	F _B	≈q
KW 08BLF	12,70	7,75	8,51	4,45	17,0	1,6	1,50	1,50	11,80	–	0,50	18100	0,75
KW 10B LF	15,875	9,65	10,16	5,08	19,6	2,5	1,65	1,65	14,70	–	0,67	22900	0,98
KW 12B LF	19,05	11,68	12,07	5,72	22,7	3,3	1,80	1,80	16,10	–	0,89	30000	1,26
KW C12B LF*	19,05	11,68	12,07	5,72	22,7	3,3	1,80	1,80	16,10	–	0,89	30000	1,26
KW 16B LF	25,40	17,02	15,88	8,28	36,1	3,1	4,00	3,20	21,00	–	2,10	69600	2,83
KW C16B LF*	25,40	17,02	15,88	8,28	36,1	3,1	4,00	3,20	21,00	–	2,10	69600	2,83
KW 20B LF	31,75	19,56	19,05	10,19	43,2	4,4	4,50	3,50	26,40	–	2,96	115700	3,94
KW 24B LF	38,10	25,40	25,40	14,63	53,4	5,5	6,00	4,70	35,93	–	5,54	170700	7,21
KW C24B LF*	38,10	25,40	25,40	14,63	53,4	5,5	6,00	4,70	35,93	–	5,54	170700	7,21
KW 32B LF	50,80	30,99	29,21	17,81	67,4	3,9	6,90	6,00	42,20	–	8,10	267300	10,00

KW LF Duplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	p	b ₁	d ₁	d ₁	l	k	S ₁	S ₂	g	e	f	F _B	≈q
KW 08B-2 LF	12,70	7,75	8,51	4,45	31,0	1,6	1,50	1,50	11,8	13,92	1,01	36300	1,45
KW 10B-2 LF	15,875	9,65	10,16	5,08	36,2	2,7	1,65	1,65	14,7	16,59	1,34	45800	1,93
KW C10B-2 LF*	15,875	9,65	10,16	5,08	36,2	2,7	1,65	1,65	14,7	16,59	1,34	45800	1,93
KW 12B-2 LF	19,05	11,68	12,07	5,72	42,2	3,0	1,80	1,80	16,1	19,46	1,79	60000	2,49
KW C12B-2 LF*	19,05	11,68	12,07	5,72	42,2	3,0	1,80	1,80	16,1	19,46	1,79	60000	2,49
KW 16B-2 LF	25,40	17,02	15,88	8,28	68,0	3,4	4,00	3,20	21,0	31,88	4,21	139200	5,28
KW 20B-2 LF	31,75	19,56	19,05	10,19	79,0	5,1	4,50	3,50	26,4	36,45	5,91	231300	7,78
KW 24B-2 LF	38,10	25,40	25,40	14,63	101,0	6,4	6,00	4,70	31,4	48,36	11,08	341500	14,31
KW 32B-2 LF	50,80	30,99	29,21	17,81	126,0	3,8	6,90	6,00	42,2	58,55	16,21	534500	19,59

KW LF Triplex, design sizes according to European standard

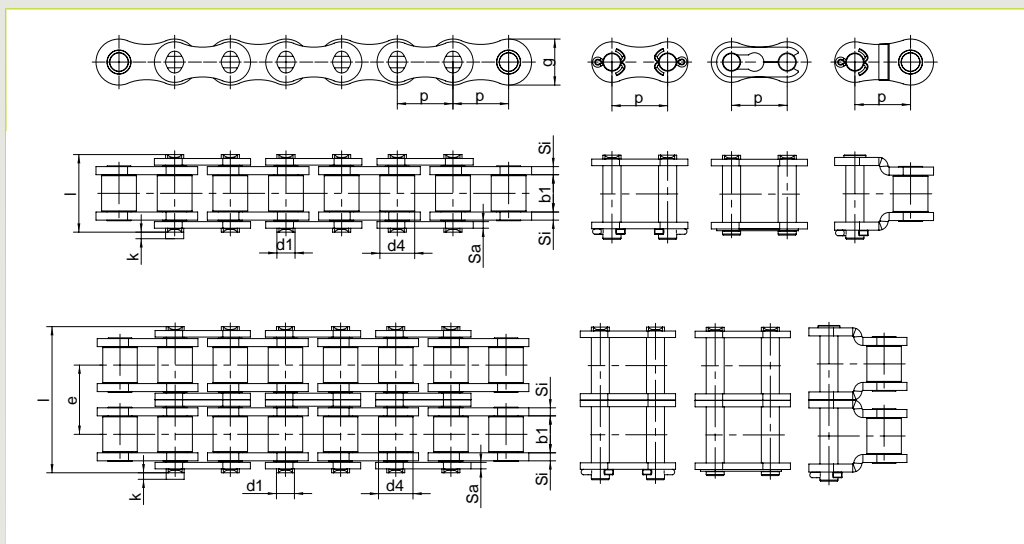
ISO 606/ DIN 8187

Type of chain	p	b ₁	d ₁	d ₁	l	k	S ₁	S ₂	g	e	f	F _B	≈q
KW 20B-3 LF	31,75	19,56	19,05	10,19	116	4,6	4,5	3,5	26,4	36,45	8,87	347000	11,66

* Design implementations with straight plates

KettenWulf LF roller chains

The KettenWulf lubrication-free roller chains



KW LF Simplex, design sizes according to American standard

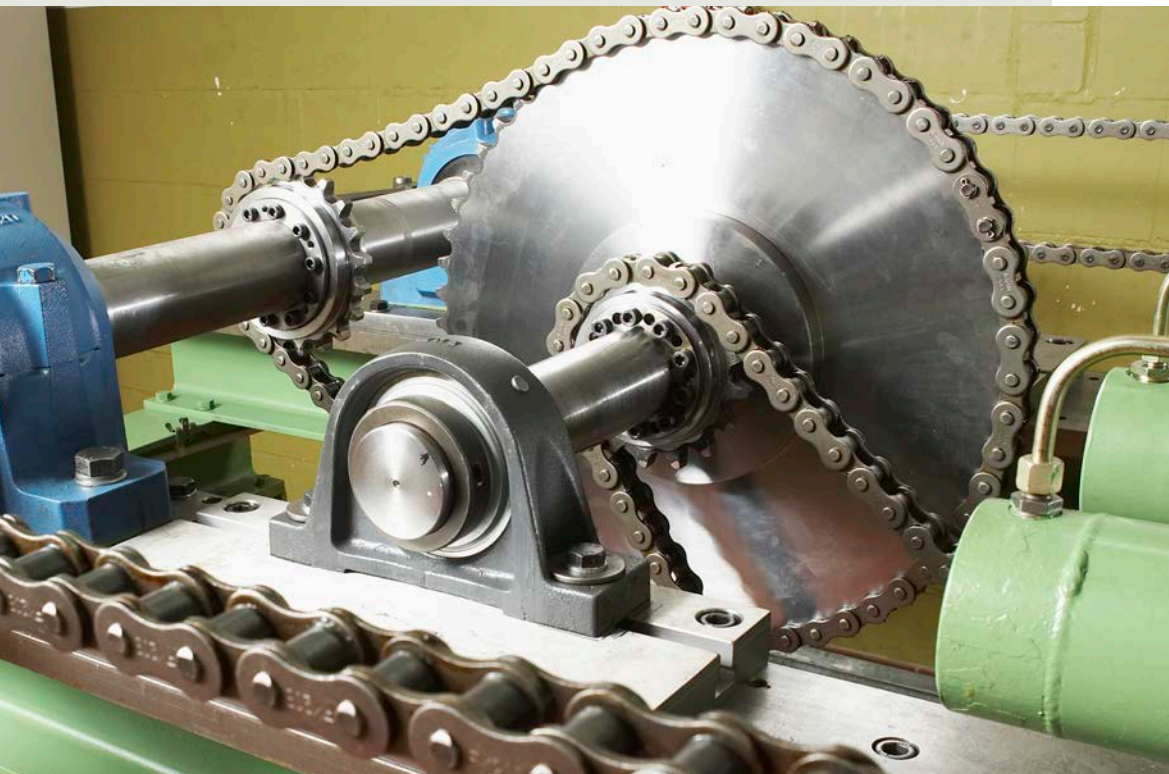
ISO 606/ DIN 8188

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₁	l	k	S _i	S _e	g	e	f	F ₀	≈q
KW 50 LF	15,87	9,50	10,14	5,08	20,30	2,17	2,0	2,0	15,08	–	0,70	32300	1,00
KW 60 LF	19,05	12,70	11,88	5,95	25,26	2,80	2,4	2,4	18,09	–	1,05	42000	1,45
KW 80 LF	25,40	15,85	15,84	7,93	32,76	3,67	3,2	3,2	24,13	–	1,78	76900	2,55
KW 100 LF	31,75	19,10	19,04	9,53	40,08	3,86	4,0	4,0	30,16	–	2,61	121000	4,00

KW LF Duplex, design sizes according to American standard

ISO 606/ DIN 8188

Type of chain	p	b ₁	d ₁	d ₁	l	k	S _i	S _e	g	e	f	F ₀	≈q
KW 120-2 LF	38,1	25,4	22,2	11,11	95,86	4,37	4,8	4,8	36,19	45,44	7,84	335800	11,2



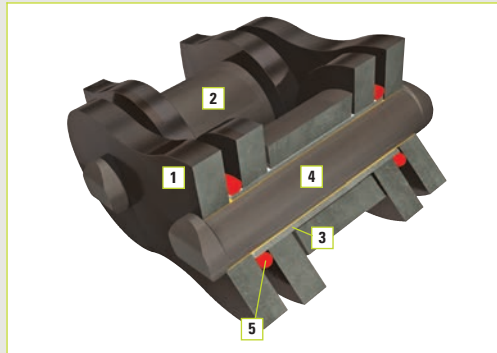
KettenWulf O-ring or X-ring roller chains

KettenWulf Seal Roller Chains

KettenWulf's O-ring and X-ring roller chains originate in motorcycle sport, and are considered the ultimate driving chains. Precise manufacturing processes and special materials guarantee highly dynamic load carrying capacities of the chain. The chain link plates are lubricated using fully synthetic, high performance in a vacuum process. The links are protected from outside dirt penetration by the O or X-ring. At the same time, the ring gasket ensures no grease escapes from the articulated link.

The O or X-ring roller chains are employed in especially fast running drives as well as drives that have high dynamic stresses. Also, the sealed chain link offers special advantages for use in dusty environments. The operational temperature range is -10 C to +60 C.

O and X-ring chains are wider than comparable standard chains, but in general the same sprockets can be used.

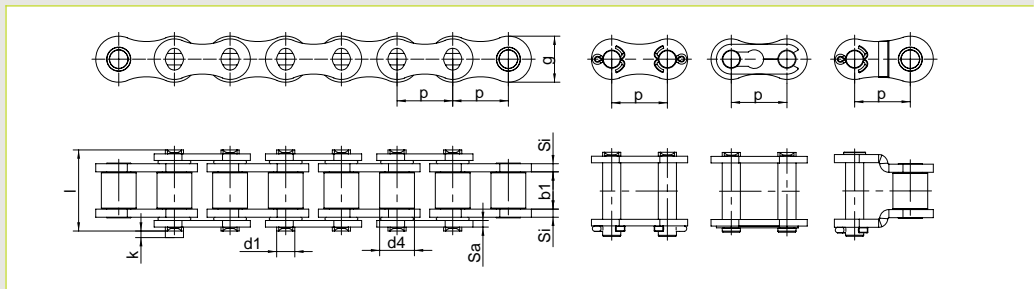
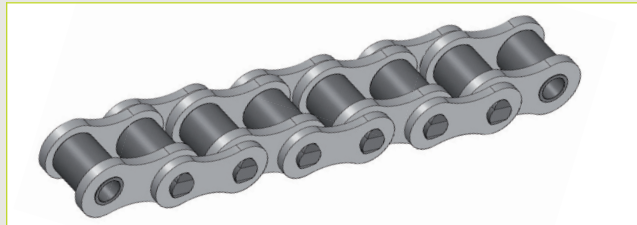


KettenWulf O-ring or X-ring roller chains

1. Shot-peened plates with calibrated bores, tempered
2. Seamless, tempered rollers for maximum impact resistance
3. Seamless, cold-extruded bushes, case-hardened
4. Wear-optimized pins, tempered
5. O-ring or X-ring protection against the intrusion of dust and abrasive media

KettenWulf O-ring or X-ring roller chains

The KettenWulf sealed roller chains



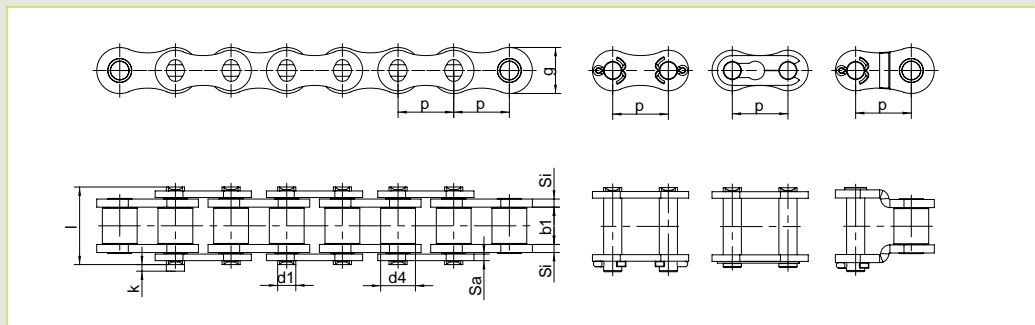
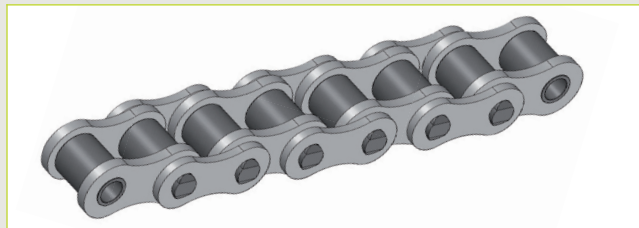
KW O-ring or X-ring Simplex

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₁	l	k	S ₁	S ₂	g	f	F _{br}	≈G
KW 428 MTX	12,70	7,75	8,51	4,45	18,9	1,2	1,5	1,5	11,8	0,60	20000	0,7
KW 428 MSO	12,70	7,75	8,51	4,50	21,3	1,0	2,0	2,0	12,0	0,63	25000	0,9
KW 520 MTX	15,875	6,40	10,16	5,24	21,5	0,9	2,4	2,4	15,0	0,70	40000	1,00
KW 50 MTX	15,875	9,53	10,16	5,24	24,7	0,9	2,4	2,4	15,0	0,67	40000	1,4
KW 50 MXO	15,875	9,53	10,16	5,38	25,0	1,2	2,4	2,4	15,0	0,91	41000	1,4
KW 630 MO	19,05	9,53	11,91	5,96	25,2	2,1	2,4	2,4	17,3	1,00	44500	1,5
KW 60 MHO	19,05	12,70	11,91	5,96	31,0	2,5	3,2	3,2	18,0	1,40	50000	2,0
KW 16B MDO	25,40	17,02	15,88	8,28	39,4	1,6	3,2	3,2	21,0	2,30	76000	3,3
KW 100 MDO	31,75	19,05	19,05	9,53	44,3	2,7	4,0	4,0	30,0	2,71	113000	4,1

KettenWulf NSC roller chains

KettenWulf Roller Chains According to Works Standard

KettenWulf's "Non-Standard Chain" (NSC), built according to works standard, are a special type of chain that are used in the most varied branches of industry. The chains listed below show the most common dimensions. Additional non-standard dimension chains are also available upon request.



KW NSC

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₂	l	k	S _i	S _e	g	f	F _{br}	≈Q
KW 415 ZP	12,70	4,88	7,75	4,09	11,8	1,25	1,1	1,1	10,40	0,29	9100	0,34
KW 415 SH	12,70	4,88	7,75	4,18	14,4	1,50	1,9	1,6	10,60	0,39	17500	0,55
KW 423	12,70	6,40	8,51	4,45	15,3	1,20	1,5	1,5	11,80	0,42	18200	0,60
KW 428 D	12,70	7,75	8,51	4,45	16,6	1,10	1,6	1,5	11,60	0,50	20000	0,73
KW 428 HD	12,70	7,75	8,51	4,45	19,6	0,60	1,8	1,8	11,60	0,52	24000	0,8
KW 520 D	15,875	6,35	10,16	5,08	17,4	1,50	2,0	2,0	15,00	0,53	32000	1,00
KW 520 R1	15,875	6,35	10,61	5,24	18,9	0,90	2,0	2,0	15,00	0,53	33000	1,00
KW 12 RA	19,05	11,68	12,07	6,10	24,9	3,60	2,4	2,4	16,80	1,05	40000	1,58
KW 12 R	19,05	11,68	12,07	6,10	24,9	3,60	2,4	2,4	18,10	1,05	45000	1,51
KW 16 N14	25,40	12,70	14,00	7,00	28,5	2,00	3,0	3,0	19,70	1,52	45000	1,88
KW 16 N159	25,40	12,70	15,88	8,28	30,8	3,80	3,5	3,1	21,00	2,00	54000	2,50
KW 16 R	25,40	17,02	15,88	8,90	35,7	3,20	4,0	3,1	24,10	2,28	80000	3,10
KW H24B	38,10	25,40	25,40	14,63	60,1	4,80	7,3	6,3	35,93	5,91	247000	9,40

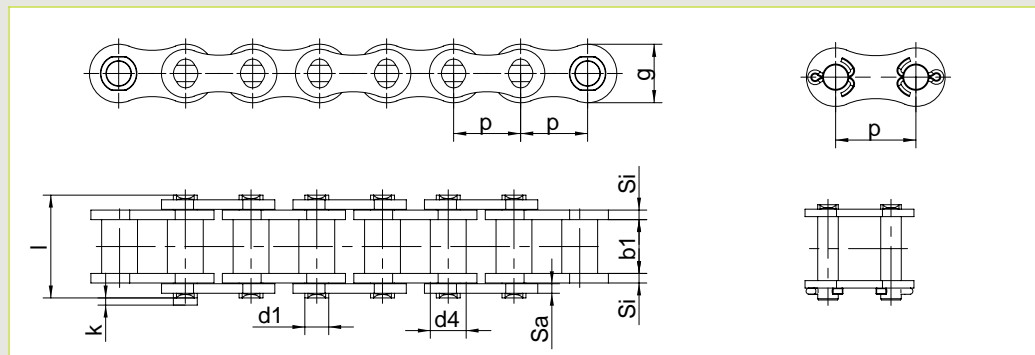
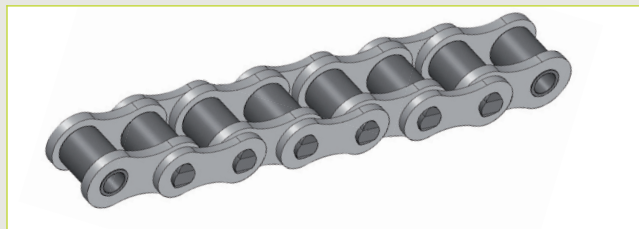
KettenWulf BC chains

KettenWulf Bush Chains in Accordance with DIN 8164

The Bush Chain (BC) produced by KettenWulf is characterized by the larger link surface, bush diameter and pin diameter, when compared to a standard roller chain. These dimensions of BC chains have been increased due to a lack of protective roller. BC chains are most commonly used in low speed and counterweight applications.

The indicated fracture forces of our BC chain meet the minimum breaking load required by DIN 8164. All BC chain with a pitch up to 60 mm has tempered links, and generally have a much higher fracture load

BC chain with pitch greater than 60 mm are also available on request.



KW BC, design sizes according to standard DIN 8164

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Plate height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/m]
	p	b ₁	d ₁	d ₁	l	k	S _i	S _e	g	f	F _{br}	≈Q
KW B15	15	14	9	6	26,0	2,0	2	2	14	1,1	12500	1,2
KW B20	20	16	12	8	33,0	3,0	3	3	19	1,8	25000	2,1
KW B25	25	18	15	10	37,0	3,0	3	3	24	2,5	31500	2,6
KW B30	30	20	17	11	42,6	3,4	4	4	28	3,1	40000	4,0
KW B35	35	22	18	12	46,0	4,5	4	4	30	3,7	50000	4,3
KW B40	40	25	20	14	52,5	4,5	5	5	35	5,0	63000	6,0
KW B45	45	30	22	16	63,0	4,5	6	6	40	6,8	80000	8,0
KW B50	50	35	26	18	68,0	6,0	6	6	44	8,6	100000	9,0
KW B55	55	45	30	20	86,0	6,0	8	8	49	12,3	125000	14,0
KW B60	60	50	32	22	92,0	7,0	8	8	55	14,6	160000	15,0

» The indicated fracture forces correspond to standard ISO 8164. Higher fracture forces are also available upon request.

Roller chains are versatile and can be used for not only drive chains, but can also be used for any conveyance task.

The functional dimensions of roller chains for conveying basically correspond to the standard ISO 606 for standard roller chains. Being able to convey materials is achieved by implementing carriers, attachments or rollers:

The Product Range for "Roller Chains for Conveyance Tasks" includes:

- » Roller Chains with Straight Plates
- » Roller Chains with Attachments
- » Side Bow Chains
- » Elastomer Profile Chains
- » Insert Chains
- » And Many More...

If, despite the wide range of products available, a suitable chain for your application cannot be found, please do not hesitate to contact us.

KettenWulf roller chains for conveyance tasks



Figure 1:
KettenWulf roller chain
with straight plates



Figure 2:
KettenWulf long-
link roller chain



Figure 3:
KettenWulf roller chain
with attachment parts



Figure 4:
KettenWulf side
bow chain



Figure 5:
KettenWulf convey-
ance-protective chain



Figure 6:
KettenWulf agricultural
machinery chain



Figure 7:
KettenWulf insert chain



Figure 8:
KettenWulf welded
chain with offset links



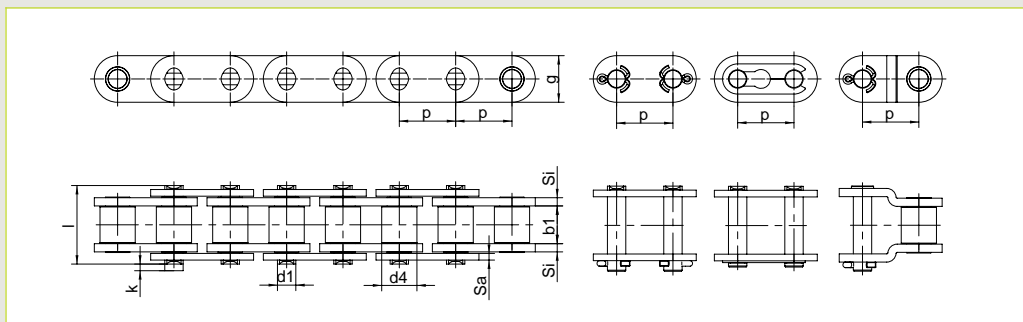
Figure 9:
KettenWulf full-
pin chain



KettenWulf C roller chains

KettenWulf Conveyor Chains with Straight Plates

The "Conveyor Chain" (C) roller chains with straight plates, are also based on the standard roller chain design. Due to the straight design of the link plates, these chains are especially suited for use as a transport or supply chain.



KW C Simplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₂	l	k	S ₁	S ₂	g	e	f	F _B	≈q
KW C08B	12,70	7,75	8,51	4,45	16,5	2,4	1,5	1,5	11,70	-	0,50	18000	0,75
KW C10B	15,875	9,65	10,16	5,08	18,8	2,6	1,5	1,5	14,6	-	0,67	22200	1,00
KW C12B	19,05	11,68	12,07	5,72	22,3	2,7	1,8	1,8	16,00	-	0,89	28900	1,29
KW C16B21	25,40	17,02	15,88	8,28	35,4	3,4	3,7	3,0	21,00	-	2,10	60000	2,95
KW C16B24	25,4	17,02	15,88	8,28	35,4	3,4	3,7	3,0	24,00	-	2,10	70000	3,30
KW C20B	31,75	19,56	19,05	10,19	40,8	3,4	4,5	3,5	25,78	-	2,96	95000	4,25
KW C24B	38,10	25,40	25,40	14,63	53,3	4,7	6,0	5,0	33,25	-	5,54	160000	7,50
KW C32B	50,80	30,99	29,21	17,81	65,2	5,8	7,0	6,4	42,00	-	8,10	250000	11,20

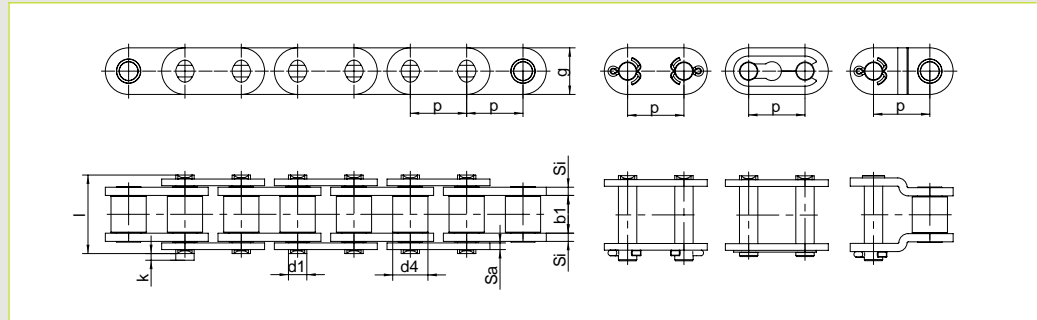
KW C Duplex, design sizes according to European standard

ISO 606/ DIN 8187

Type of chain	p	b ₁	d ₁	d ₂	l	k	S ₁	S ₂	g	e	f	F _B	≈q
KW C08B-2	12,70	7,75	8,51	4,45	30,4	2,4	1,5	1,5	11,70	13,92	1,01	32000	1,50
KW C10B-2	15,875	9,65	10,16	5,08	35,4	2,6	1,5	1,5	14,60	16,59	1,34	44500	1,90
KW C12B-2	19,05	11,68	12,07	5,72	41,4	3,1	1,8	1,8	16,00	19,46	1,79	57800	2,35
KW C16B-221	25,40	17,02	15,88	8,28	67,3	3,4	3,7	3,0	21,00	31,88	4,21	106000	5,28
KW C20B-2	31,75	19,56	19,05	10,19	77,2	3,5	4,5	3,5	26,45	36,45	5,91	170000	7,53
KW C24B-2	38,10	25,40	25,40	14,63	101,6	4,7	6,0	4,0	33,25	48,36	11,09	280000	13,78

KettenWulf C roller chains

The KettenWulf conveyor chains with straight plates



KW C Simplex, design sizes according to American standard

ISO 606/ DIN 8188

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Height [mm]	Transverse pitch [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d _r	d ₁	l	k	S _i	S _e	g	e	f	F _B	≈q
KW C50	15,875	9,40	10,14	5,08	20,4	2,1	2,0	2,0	14,6	-	0,69	21800	1,1
KW C60	19,05	12,57	11,91	5,94	25,3	3,3	2,4	2,4	18,0	-	1,05	31800	1,7
KW C60H	19,05	12,57	11,91	5,94	28,8	3,3	3,0	3,0	18,0	-	1,14	49000	1,8

KW SS Simplex (stainless), design sizes according to European standard

ISO 606/ DIN 8187

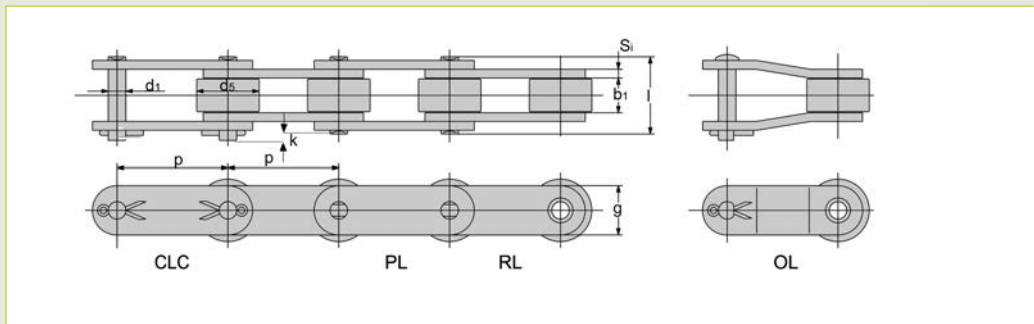
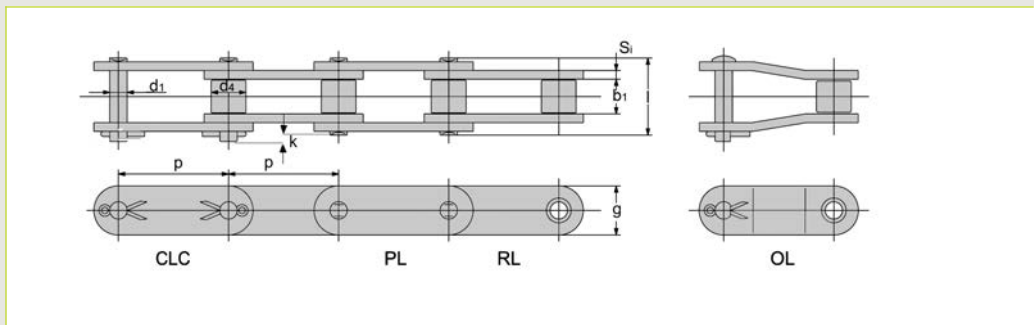
Type of chain	p	b ₁	d _r	d ₁	l	k	S _i	S _e	g	e	f	F _B	≈q
KW C16B SS	19,05	12,57	11,91	5,96	26,9	2,9	2,4	2,4	17,40	-	1,05	25400	1,44
KW C16B-2 SS	25,40	15,75	15,88	7,94	33,5	5,0	3,2	3,2	23,15	-	1,77	45000	2,83

KettenWulf DP roller chains

KettenWulf Double Pitch Straight Plate Roller Chain

KettenWulf's line of "Double Pitch" (DP) long link roller chains, built according to ISO 1275, are employed for use in slow moving and low load applications. These chains share the same geometrical dimensions as similar chains built to standard ISO 606, however, but have double the pitch and are

economical as result. Our long-link roller chains are available with protective or running rollers.



KettenWulf DP roller chains

The KettenWulf roller chain long-links with straight plates

DP

KettenWulf DP roller chains

KW DP Simplex, design sizes according to European standard													ISO 1275/ DIN 8181	
Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective roller Ø [mm]	Max. running roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]	
	p	b ₁	d _a	d _s	d ₁	l	k	S _i	S _e	g	f	F _B	≈q	
KW C216B	50,8	17,02	15,88	/	8,28	35,4	3,4	3,7	3	21	2,1	60000	2,3	

KW DP Simplex, design sizes according to American standard													ISO 1275/ DIN 8181	
Type of chain	p	b ₁	d _a	d _s	d ₁	l	k	S _i	S _e	g	f	F _B	≈q	
KW C2040	25,40	7,85	7,92	/	3,96	16,6	2,2	1,5	1,5	12,0	0,43	13800	0,48	
KW C2042	25,40	7,85	/	15,88	3,96	16,6	2,2	1,5	1,5	12,0	0,43	13800	0,91	
KW C2050	31,75	9,40	10,14	/	5,08	20,4	2,6	2,0	2,0	14,6	0,69	21800	0,82	
KW C2052	31,75	9,40	/	19,05	5,08	20,7	2,6	2,0	2,0	14,6	0,69	21800	1,26	
KW C2060H	38,10	12,58	11,91	/	5,94	28,8	3,3	3,0	3,0	17,5	1,14	49000	1,38	
KW C2062H	38,10	12,58	/	22,23	5,94	28,8	3,3	3,0	3,0	17,5	1,14	49000	2,08	
KW C2080H	50,80	15,75	15,88	/	7,92	36,3	3,8	4,0	4,0	23,1	1,90	87000	2,32	
KW C2082H	50,80	15,75	/	28,58	7,92	36,3	3,8	4,0	4,0	23,1	1,90	87000	3,36	
KW C2100H	63,50	18,90	19,05	/	9,53	43,4	3,4	4,8	4,8	30,1	2,73	133450	3,46	
KW C2102H	63,50	18,90	/	39,67	9,53	43,4	3,4	4,8	4,8	30,1	2,73	133450	5,64	
KW C2120H	76,20	25,23	22,23	/	11,10	53,8	3,1	5,6	5,6	36,0	4,06	182400	4,92	
KW C2122H	76,20	25,23	/	44,45	11,10	53,8	3,1	5,6	5,6	36,0	4,06	182400	7,87	
KW C2162H	101,60	31,80	/	57,15	14,27	64,5	4,2	6,4	6,4	48,0	6,36	222400	10,30	

» The indicated fracture forces correspond to ISO 1275. We shall be glad to inform you of the higher effective fracture forces on request.

KettenWulf attachment parts

KettenWulf Attachments for Roller Chains

The range of attachments available includes:

- » Bent or Straight Carriers
- » One or Two Fastening Holes
- » Various Pitches

The attachments parts can be supplied as either individual parts or assembled on the chain. Additional features and design changes for DP roller chains are available upon request.

Figure 1:
KettenWulf one-sided bent angle A-1

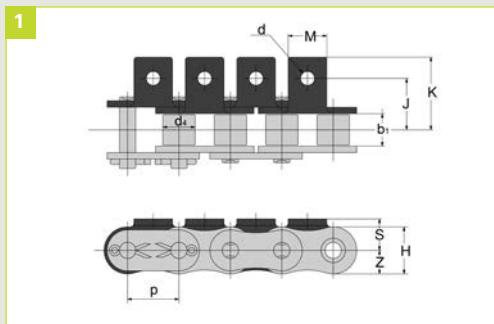


Figure 2:
KettenWulf two-sided bent angle K-1

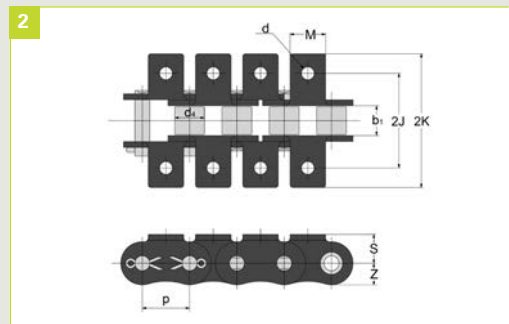


Figure 3:
KettenWulf one-sided extended plate SA-1

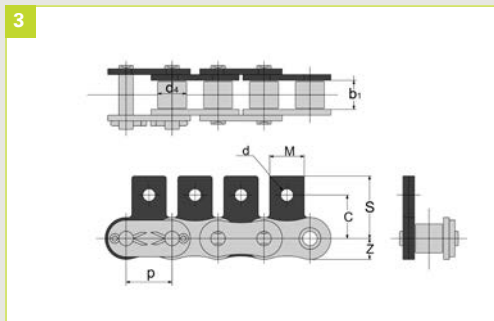


Figure 4:
KettenWulf two-sided extended plate SK-1

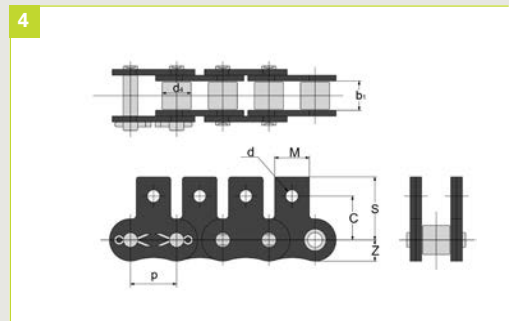


Figure 5:
KettenWulf one-sided bent angle WA-2

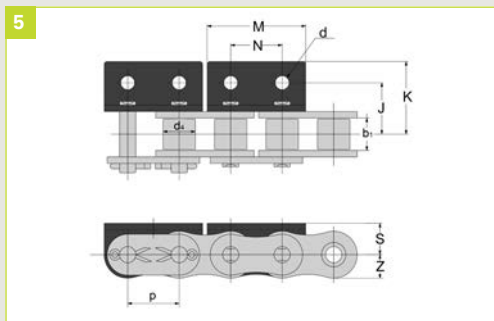


Figure 6:
KettenWulf two-sided bent angle WK-2

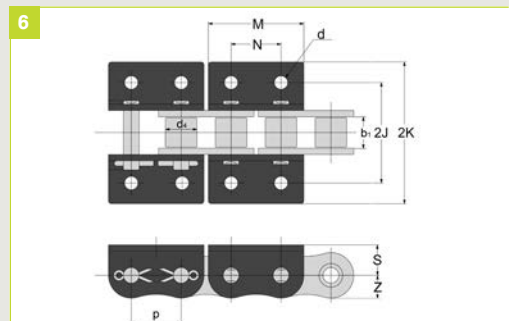


Figure 7:
KettenWulf two-sided extended plate WSK-2

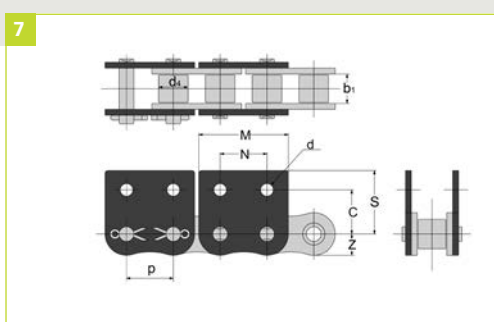
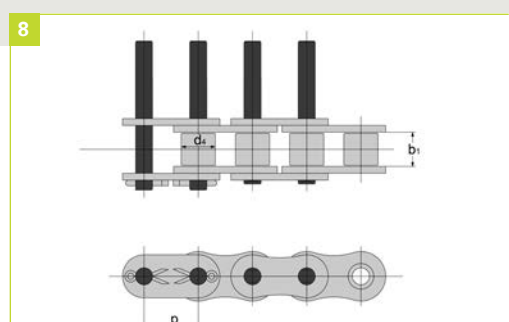


Figure 8:
KettenWulf extended pins (available on request)



KettenWulf attachment parts

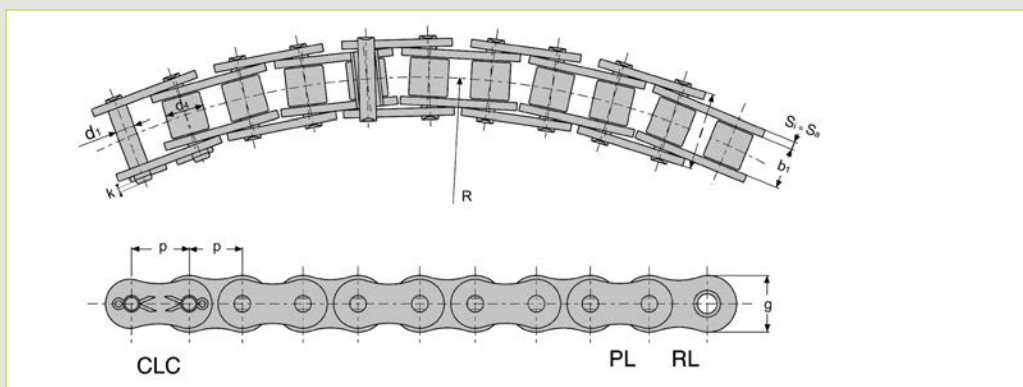
The KettenWulf attachment parts for roller chains

KW A														
Type of chain	Pitch [mm] p	Min. clearance width [mm] b ₁	Max. roller Ø [mm] d _a	Fracture force [N] F _B	Attachment part	Fastening plate width [mm] M	Fastening plate thickness [mm] T	Fastening hole Ø [mm] d	Chain middle - Fastening hole middle [mm] J	Chain middle - AK fastening plate [mm] K	Chain middle - UK chain [mm] Z	Chain middle - OK fastening plate [mm] S	Pitch fastening holes [mm] N	
KW 06B	9,525	5,72	6,35	8900	A-1	8,00	1,28	3,5	9,52	13,50	4,10	6,50	/	
					K-1									
					SA-1									
					SK-1									
					WA-2									
WK-2	17,80	1,28	3,5	9,80	13,50	4,10	6,50	9,50						
KW 08B	12,7	7,75	8,51	16000	A-1	11,00	1,49	4,3	12,70	18,20	5,90	8,89	/	
					K-1									
					SA-1									
					SK-1									
					WA-2									
WK-2	24,45	1,49	4,3	15,88	22,30	5,90	8,89	12,70						
KW 10B	15,875	9,65	10,16	22200	A-1	14,28	1,71	5,3	15,88	22,30	7,35	10,31	/	
					K-1									
					SA-1									
					SK-1									
					WA-2									
WK-2	30,58	1,71	5,3	15,88	22,30	7,35	10,31	15,88						
KW 12B	19,05	11,68	12,07	28900	A-1	15,88	1,86	6,4	19,05	26,10	8,05	13,46	/	
					K-1									
					SA-1									
					SK-1									
					WA-2									
WK-2	35,18	1,86	6,4	19,05	26,10	8,05	13,46	19,05						
WSK-2	35,18	1,86	6,4	21,45	15,40	8,05	28,50	19,05						
KW 16B	25,4	17,02	15,88	60000	A-1	19,05	3,18	6,4	25,40	36,30	10,50	15,88	/	
					K-1									
					SA-1									
					SK-1									
					WA-2									
WK-2	46,10	3,18	6,4	25,40	36,30	10,50	15,88	25,40						
WSK-2	46,10	3,18	6,4	23,15	15,68	10,50	34,05	25,40						
KW 24B	38,1	25,4	25,4	160000	A-1	70,60	5,00	11,0	44,00	64,00	16,70	25,00	/	
					WK-2								38,10	

KettenWulf SB chains

KettenWulf Side Bow Chains

The "Side Bow" (SB) chains from KettenWulf are based on roller chains produced according to ISO 606. The curvature of the chain is a result of enlarged link play or bi-conically implemented links.



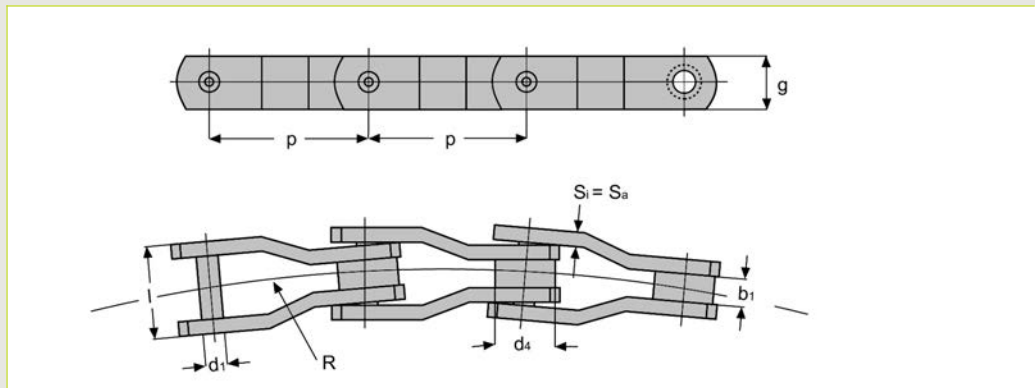
KW SB - Simplex

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Height [mm]	Min. radius [mm]	Fracture force [N]	Weight [kg/ m]
	p	b_1	d_2	d_1	l	k	S_1	S_2	g	R	F_B	$\approx Q$
KW 08BSB	12,70	7,75	8,51	3,97	17,4	1,3	1,6	1,6	11,80	400	14000	0,70
KW 40SB	12,70	7,85	7,95	3,98	17,1	2,1	1,5	1,5	11,75	350	13300	0,61
KW 50SB	15,875	9,40	10,16	5,09	21,5	2,6	2,0	2,0	14,95	400	23500	1,00
KW 60SB	19,05	12,58	11,91	5,96	26,8	3,0	2,4	2,4	17,40	500	31300	1,43
KW 80SB	25,40	12,75	15,88	7,94	34,6	2,9	3,2	3,2	23,15	600	53900	2,53

KettenWulf CC chains

KettenWulf Side Bow Chain from Offset Links

KettenWulf's "Crate Conveyor" (CC) side bow chain consists of offset, malleable, cast iron links. The pins are designed as threaded pins, allowing for simply installation of the chain.



KW CC

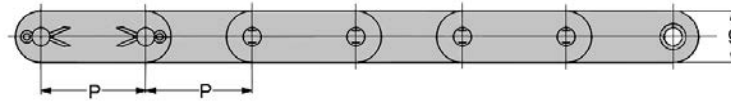
Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Plate thickness [mm]	Height [mm]	Total width [mm]	Min. radius [mm]	Admissible tensile force [N]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₁	l	S ₁ /S _a	g		R	F _t	F _a	≈ Q
KW CC600	63,5	13	30	11	41	6	30	43	500	6000	65000	5

KettenWulf S agricultural machinery chains

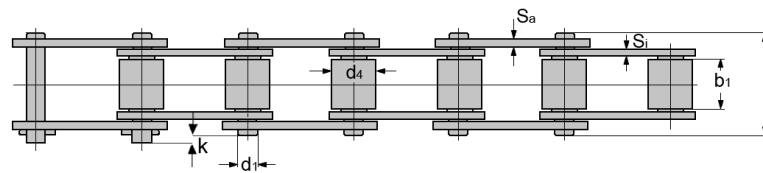
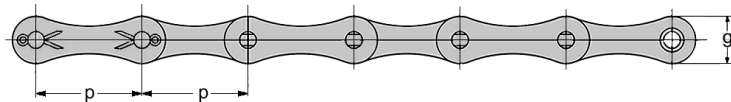
KettenWulf Agricultural Machinery Chains

All KettenWulf agricultural machinery chain is produced according to ISO 487 and our own KettenWulf KW Works Standard. Due to the tempering of the plates, the fracture force is larger than the standard. These chains are available in either steel or galvanized parts, and attachment parts of type A-1 or K-1 are available for agricultural machinery chain upon request.

Design implementation A



Design implementation C



KW S

ISO487

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]	Design implementations
	p	b ₁	d ₄	d ₁	l	k	S ₁	S ₂	g	f	F _b	±q	
KW S45ZP*	41,40	22,23	15,24	5,72	37,3	1,9	2,7	2,7	17,2	1,60	17800	1,66	A
KW S52ZP*	38,10	22,23	15,24	5,72	37,3	1,9	2,7	2,7	17,2	1,60	32000	1,68	A
KW S55ZP*	41,40	22,23	17,78	5,72	37,7	2,7	2,8	2,8	17,3	1,60	17800	1,80	A
KW 384R2P	38,40	19,05	15,88	6,92	33,4	2,8	2,5	2,5	17,2	1,68	33000	1,70	C
KW 384RS2P	38,40	18,00	15,88	6,92	33,4	3,1	3,0	3,0	17,2	1,75	40000	1,80	C
KW 384SK2P	38,40	19,05	15,88	8,28	35,6	3,2	3,0	3,0	20,5	2,10	42100	2,10	C

* Zinc Plated (zinc-coated)

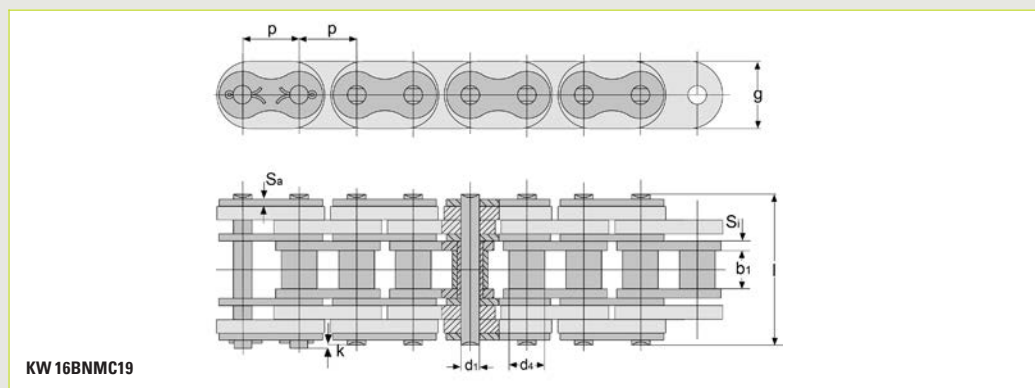
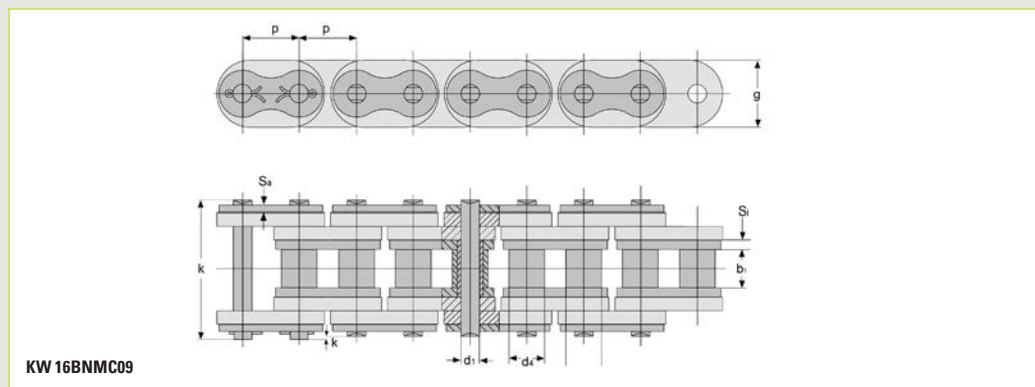
» The indicated fracture forces correspond to ISO 487. We shall be glad to inform you of the higher effective fracture forces on request.

KettenWulf CP chains

KettenWulf Conveyance-Protecting Chains

The "Conveyance-Protecting" (CP) product line is so called due to the protection these chains offer to the products they are conveying. The transport surface of the chains is chosen and optimized for each type of material conveyed.

The functional dimensions of this chain are similar to roller chains produced according to ISO 606. The additional plastic plates of the chain are used as both protection for the material being transported, as well as guide strips for the chain.



KW CP (chains with additional plastic plates), design sizes according to European standard

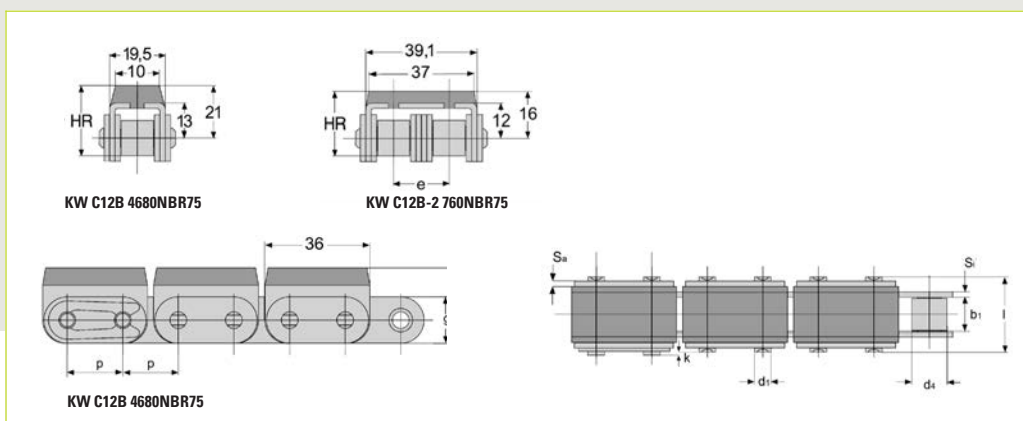
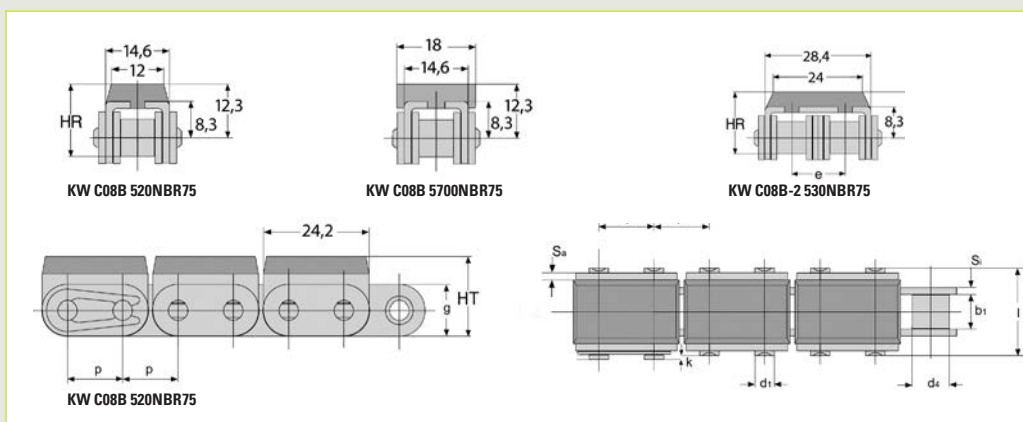
Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller \varnothing [mm]	Max. pin \varnothing [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Height [mm]	Fracture force [N]	Weight [kg/m]
	p	b ₁	d _r	d ₁	l	k	S _i	S _e	g	F _B	≈ q
KW 16BNMC09	25,4	17,02	15,88	8,28	62	3	4,2	3,1	30	27000	3,2
KW 16BNMC19	25,4	17,02	15,88	8,28	68	3	4,2	3,1	30	60000	3,3

KettenWulf CP chains

KettenWulf Conveyance-Protecting Chains

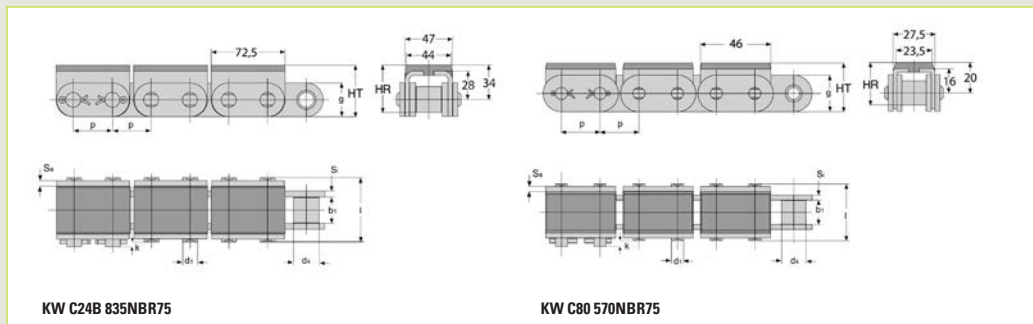
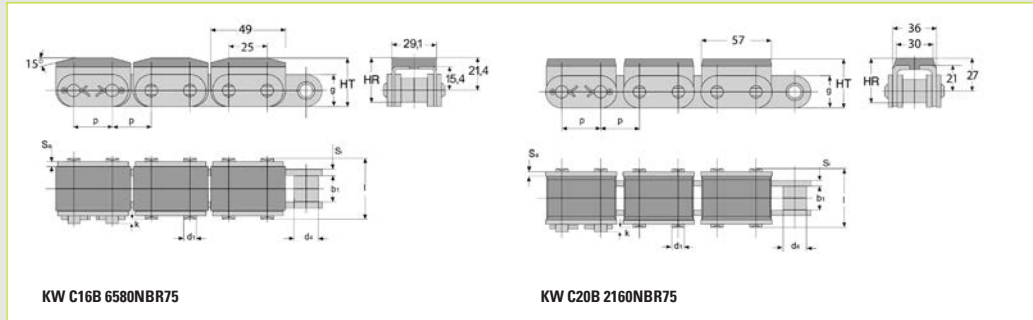
Chains with Elastomer Profile Sections

The Conveyance-Protective chains are based on a standard roller chain with straight plates. To act as protection for the material conveyed, an elastomer profile of nitrile butadiene rubber is vulcanized onto the chain in varying profiles and heights. This nitrile butadiene rubber has a Shore A hardness of 75+/-5, and can be used in temperatures from -40 C to 130 C. Additionally, these CP chains have excellent gas, oil and grease repulsion, high abrasion and premature aging resistance as well as a high tearing strength.



KettenWulf CP chains

The KettenWulf conveyance-protecting chains



KW CP (elastomer profile chains), design sizes according to European standard

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Plate thickness [mm]	Plate height [mm]	Total height [mm]	Lower edge roller - upper edge profile section [mm]	Transverse pitch [mm]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₁	d ₂	l	k	S ₁ /S ₂	g	H ₁	H ₂	e	F _B	≈q
KW C08B 520NBR75	12,70	7,75	8,51	4,45	20,0	1,5	1,6	11,8	18,20	16,60	/	18000	1,40
KW C08B 5700NBR75	12,70	7,75	8,51	4,45	20,0	1,5	1,6	11,8	18,20	16,60	/	18000	1,33
KW C08B-2 530NBR75	12,70	7,75	8,51	4,45	34,3	1,2	1,6	11,8	18,20	16,60	13,92	32000	2,49
KW C12B 4680NBR75	19,05	11,68	12,07	5,72	26,5	1,5	1,88	16,1	29,00	27,00	/	29000	2,15
KW C12B-2 760NBR75	19,05	11,68	12,07	5,72	46,0	1,5	1,88	16,1	24,00	22,00	19,46	57800	3,48
KW C16B 6580NBR75	25,40	17,02	15,88	8,28	39,7	1,3	4/3	21,0	32,00	29,30	/	70600	4,15
KW C20B 2160NBR75	31,75	19,58	19,05	10,19	48,5	4,0	4,5/3,5	26,3	40,15	36,53	/	95000	6,73
KW C24B 835NBR75	38,10	25,40	25,40	14,63	61,6	4,4	6/4,8	33,2	50,60	46,70	/	160000	11,60

KW CP (elastomer profile chains), design sizes according to American standard

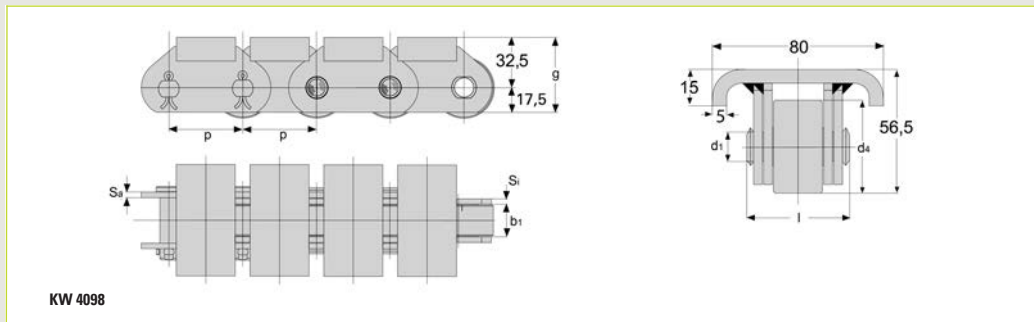
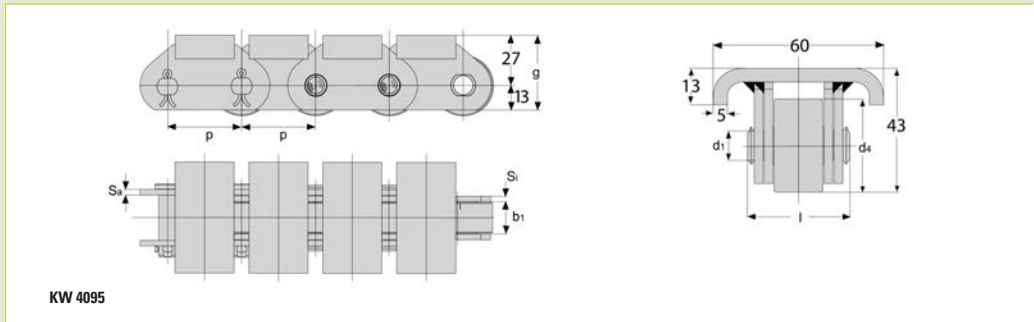
Type of chain	p	b ₁	d ₁	d ₂	l	k	S ₁ /S ₂	g	H ₁	H ₂	e	F _B	≈q
KW C80 570NBR75	25,4	15,75	15,88	7,92	38	1,4	3,25	24	32	28	/	73500	5,34

KettenWulf CP chains

KettenWulf Conveyance-Protecting Chains

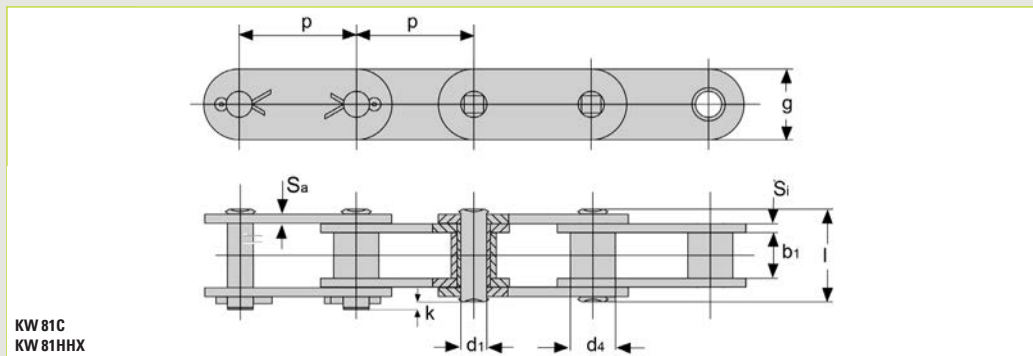
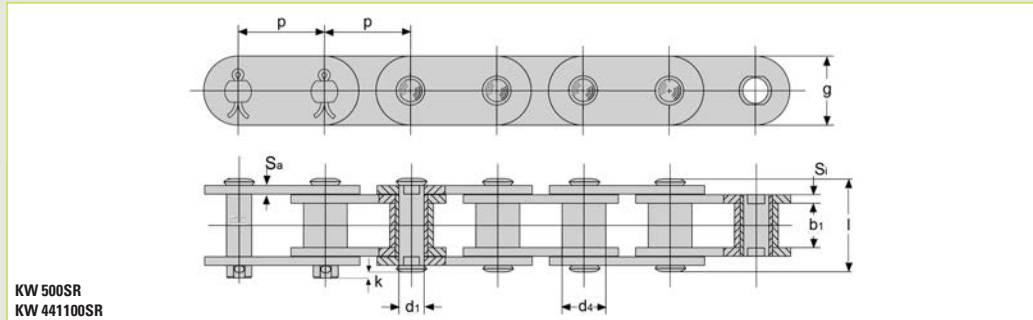
Chains for the Wood Processing Industry

These special chains were developed especially for the wood industry, but are increasingly employed in other industries due to their diverse applications.



KettenWulf CP chains

The KettenWulf conveyance-protecting chains



KW CP (chains for the wood processing industry)

Type of chain	DIN	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/m]
		p	b_1	d_r	d_1	l	k	S_i	S_e	g	f	F_B	$\approx q$
KW 4095	8165	40,0	18,0	32	10,00	36	4	3	3	40,0	2,4	40000	7,4
KW 4098	8165	63,00	25,0	48	14,00	53	6	5	5	50,0	4,9	140000	14,0
KW 500SR	FWN	50,00	25,4	25,4	14,63	55	3	5	5	40,0	5,3	100000	7,2
KW 441100SR		100,00	25,4	25,4	14,63	55	3	5	5	40,0	5,3	100000	4,9
KW 81X	FWN	66,27	27,0	23	11,10	49	5	4	4	28,5	3,9	129000	3,8
KW 81HHX	FWN	66,27	27,8	23	11,10	66	4	8	8	31,5	4,9	213000	6,7

KettenWulf X-insert chains

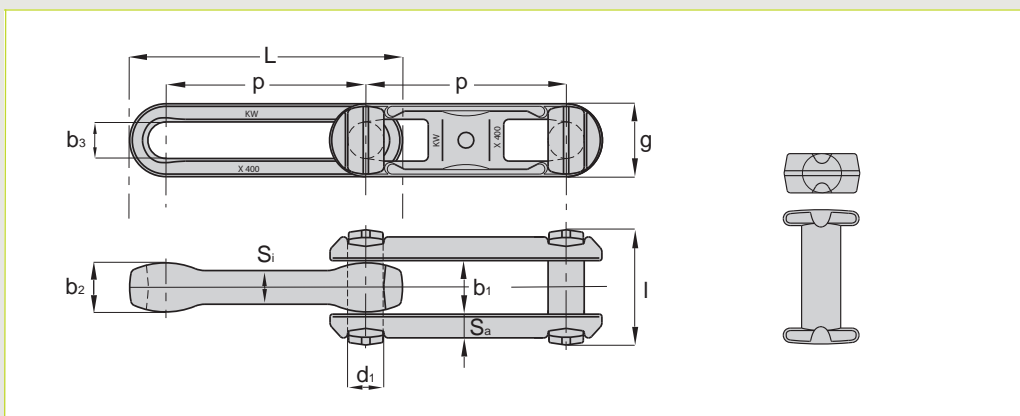
KettenWulf Forged Insert Chains

Forged insert chains from KettenWulf have exceptional properties relating to their extension limit, fracture force, coefficient of friction as well as the breaking elongation.

All forged insert chains are produced with quality steel, forged, shot peened and tempered. These operations produce a chain that has high fracture strength and

high abrasion resistance. KettenWulf produces on precision insert chains and exceed the strength detailed in standard ISO 6973.

KettenWulf also includes galvanized and Dacromet coated insert chains in our product line.

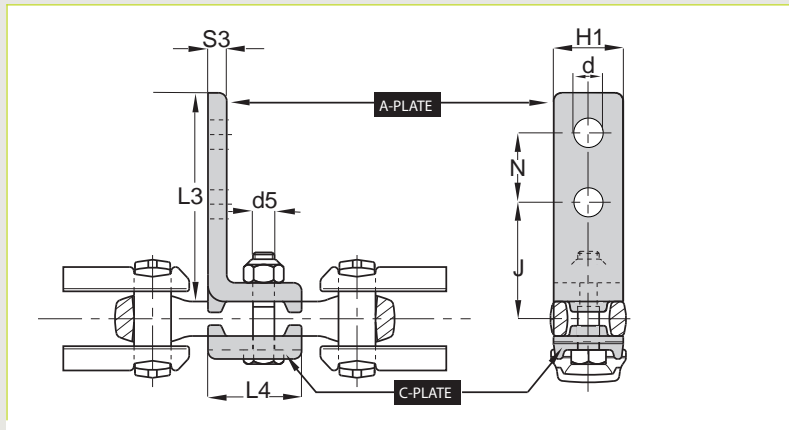


KW X

Type of chain	Standards	Pitch [mm]	Min. clearance width [mm]	Max. pin Ø [mm]	Max. pin length [mm]	External plate thickness [mm]	Thickness of link plate inside [mm]	Width [mm]	Max. Height [mm]	Min. width [mm]	Overall length outside [mm]	Fracture force [N]	Weight [kg/m]
		p	b ₁	d ₁	l	S _a	S ₁	b ₂	g	b ₃	L	F _B	≈ q
KW X348	ISO 6973	76,6	20,10	12,5	47	10,2	13	18	28	14,0	105	110000	3,1
KW CC100	DIN 15283	100,4	27,40	16,0	59	12,2	16	25	37	17,5	136	210000	4,6
KW X400	KW	101,6	27,40	16,0	58	11,9	16	25	37	17,5	138	210000	4,5
KW X458	ISO 6973	102,4	27,18	16,0	58	11,9	16	25	37	17,5	138	210000	4,5
KW X678	ISO 6973	153,2	35,80	22,0	79	18,7	22	32	52	25,0	204	410000	9,3

KettenWulf X-Insert Chains

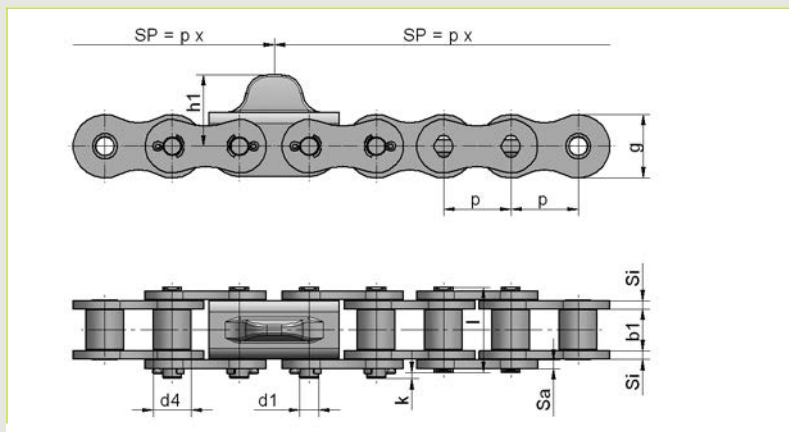
KettenWulf also offers clamp angles and counter plates for our forged insert chains; nuts and pins not included.



KW X (clamp angle and counter plate)

Type of chain	N [mm]	J [mm]	L ₃ [mm]	L ₄ [mm]	H ₁ [mm]	d [mm]	d ₅ [mm]	S ₃ [mm]
KW A-PLATE 3								
..... KW X348	26	43,3	80	35	26	11	M10x40	7
KW C-PLATE 3								
KW A-PLATE 4								
..... KW CC100, KW X400, KW X458	30	50,0	88	50	35	11	M12x45	8

The KettenWulf caterpillar chain for forged insert chains



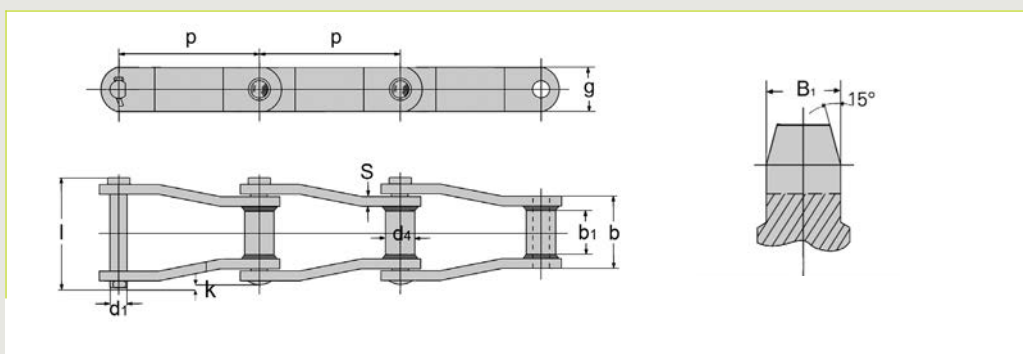
KW X (Caterpillar)

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Plate thickness [mm]	Height [mm]	Depth of tooth [mm]	Separation distance	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₄	d ₁	l	k	S ₁ /S ₂	g	h ₁	S ₂ -P ₁	f	F ₀	≈q
KW 160/348COT	50,8	31,75	28,58	14,28	64,1	4,3	6,4	47	60,7	4	6,30	25700	25
KW 160/458COT	50,8	31,75	28,58	14,28	64,1	4,3	6,4	47	54,3	6	6,30	25700	16
KW 160/678COT	50,8	31,75	28,58	14,28	64,1	4,3	6,4	47	76,7	6	6,36	25700	28

KettenWulf WSC chains

KettenWulf Welded Chains with Offset Links

“Welded Steel Chain” (WSC) from KettenWulf is produced for heavy-duty applications. The combination of alloyed steel, robotic welding, a tightly controlled heat-treatment process, precision manufacturing and careful installation results in a chain that has both a high fatigue strength and extended service life. Additionally, all components are tempered. Pin Induction Hardened (PI) type pins are not only tempered, but also are induction hardened for maximum resistance to wear.



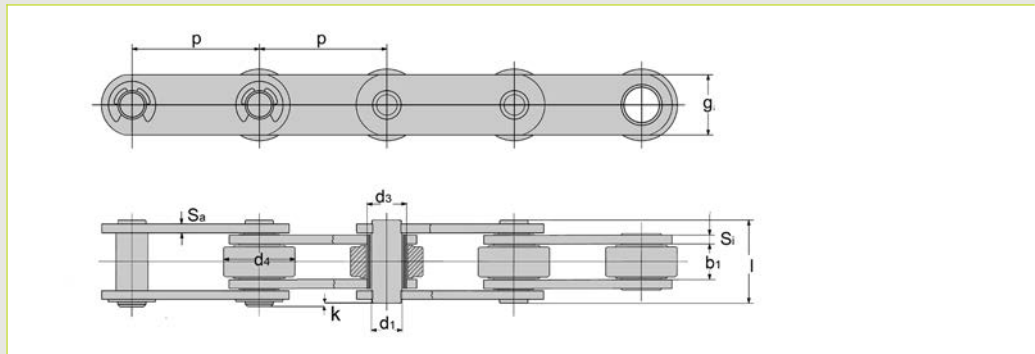
KW WSC

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. clearance width [mm]	Tooth width [mm]	Max. bush \varnothing [mm]	Max. pin \varnothing [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Plate thickness [mm]	Height [mm]	Admissible loading [N]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	b	B ₁	d ₄	d ₁	l	k	S	g	F	F ₀	≈q
KW WHX 124PI	103,20	41,2	76,5	38,5	44,45	25,4	122	3	12,70	50,8	45000	504000	20,0
KW WHS 106PI	153,67	41,2	76,6	38,5	44,45	25,4	119	8	12,70	50,8	45000	504000	12,5
KW WHX 157PI	153,67	70,0	113,0	65,0	44,45	28,7	173	4	15,88	50,8	81000	552000	28,0
KW WH 132	153,67	70,0	108,0	65,0	44,45	25,4	151	5	12,70	50,8	68000	465000	19,0

KettenWulf BS full-pin chains

KettenWulf BS Full-Pin Chains

The "British Standard" (BS) full pin chains offered by KettenWulf are the same as the hollow pin chains, differentiated only by the use of a full pin.



KW BS

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. bush Ø [mm]	Max. pin Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Height [mm]	Link surface [cm ²]	Min. fracture force [N]	Weight [kg/m]
	p	b ₁	d ₄	d ₅	d ₁	l	k	S	S _e	g	f	F _B	≈q
KW 6702	50,8	15	31,8	18,0	14,00	36,5	2,5	3,8	3,8	25,4	3,2	67000	4,0
KW 6703	76,2	15	31,8	18,0	14,00	36,5	2,5	3,8	3,8	25,4	3,2	67000	3,2
KW 67035	88,9	15	31,8	18,0	14,00	36,5	2,5	3,8	3,8	25,4	3,2	67000	3,0
KW 6704	101,6	15	31,8	18,0	14,00	36,5	2,5	3,8	3,8	25,4	3,2	67000	2,8
KW 6705	127,0	15	31,8	18,0	14,00	36,5	2,5	3,8	3,8	25,4	3,2	67000	2,6
KW 6706	152,4	15	31,8	18,0	14,00	36,5	2,5	3,8	3,8	25,4	3,2	67000	2,4
KW 13403	76,2	19	47,6	23,6	19,00	44,0	3,0	5,1	3,8	38,1	5,6	134000	7,6
KW 134035	88,9	19	47,6	23,6	19,00	44,0	3,0	5,1	3,8	38,1	5,6	134000	7,0
KW 13404	101,6	19	47,6	23,6	19,05	44,0	3,0	5,1	3,8	39,0	5,6	134000	6,4
KW 13405	127,0	19	47,6	23,6	19,00	44,0	3,0	5,1	3,8	38,1	5,6	134000	5,7
KW 13406	152,4	19	47,6	23,6	19,00	44,0	3,0	5,1	3,8	38,1	5,6	134000	5,2

KettenWulf sets the highest standards for both the precision in production and service life of hollow pin chains. The hollow pins of the chains can be used in a nearly unlimited variety of applications due to the possibility of using attachments such as bars, pins or fastening angles.

The majority of KettenWulf hollow pin chains make use of a seamless and cold-extruded hollow pin. To ensure the highest precision, the chains are matched in pairs according to length and marked accordingly.

KettenWulf hollow-pin chains



Figure 1:
KettenWulf HP
hollow-pin chain



Figure 2:
KettenWulf 1650 HP
hollow-pin chain



Figure 3:
KettenWulf DP-HP
hollow-pin chain



Figure 4:
KettenWulf HP-A55
hollow-pin chain



Figure 5:
KettenWulf BS-HP
hollow-pin chain

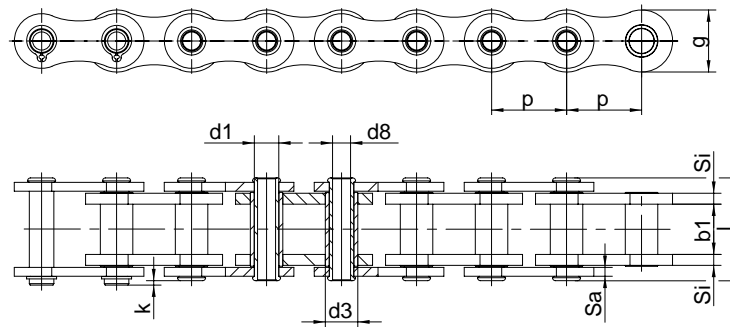


KettenWulf HP hollow-pin chains

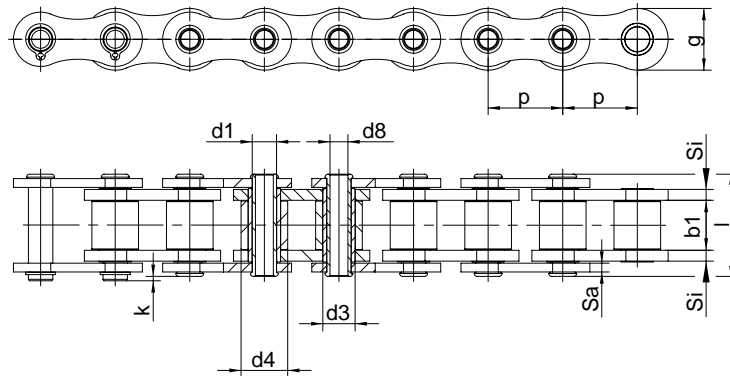
KettenWulf Hollow Pin Chains

KettenWulf Hollow Pin (HP) chains have the same dimensions as standard roller chains and run on standard sprockets.

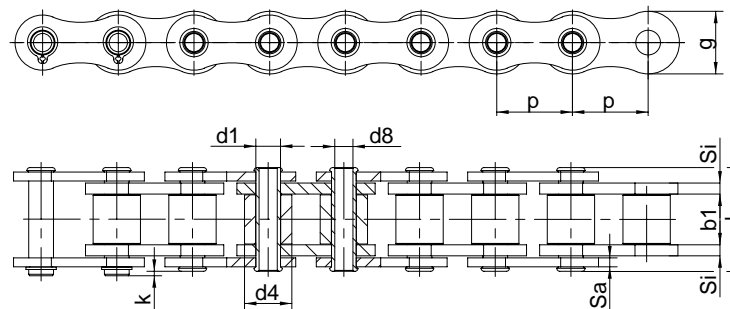
Bush chain implementation A



Roller chain implementation B



Gall chain implementation C



KettenWulf HP hollow-pin chains

The KettenWulf hollow-pin chains

HP

KettenWulf HP hollow-pin chains

KW HP													
Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. bush and roller \varnothing [mm]	Max. pin \varnothing [mm]	Min. hollow-pin inside \varnothing [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Height [mm]	Fracture force [N]	Weight [kg/m]	Design implementations
	p	b_1	d_3/d_4	d_1	d_5	l	k	S_i	S_a	g	F_B	$\approx q$	
KW 081HB	12,70	3,30	7,75	5,60	4,30	10,2	-	1,30	1,30	10,50	10000	0,35	C
KW 08BHP	12,70	7,75	8,50	6,37	4,50	16,7	1,3	1,60	1,60	11,80	8900	0,60	A
KW 08BHB	12,70	7,75	8,51	6,30	4,20	16,8	1,2	1,60	1,60	12,00	12000	0,62	A
KW 40HP	12,70	7,85	7,95	5,63	4,10	16,5	1,0	1,50	1,50	12,00	12700	0,60	A
KW 520HB	15,875	6,50	10,16	7,03	5,13	17,7	1,2	2,00	2,00	14,40	17000	0,74	C
KW 10BHB	15,875	9,65	10,16	5,94	4,04	19,3	1,3	1,70	1,70	14,70	17000	0,83	B
KW 10BHB2	15,875	9,50	10,16	7,03	5,00	20,0	1,3	1,88	1,88	14,70	15000	0,92	C
KW 50HP	15,875	9,40	10,16	7,03	5,13	20,7	1,2	2,00	2,00	15,09	20000	0,90	A
KW 12BHP	19,05	11,68	12,07	6,50	4,10	22,3	1,2	1,85	1,85	15,90	23600	1,10	B
KW 12BHB	19,05	11,86	12,07	8,03	5,20	22,7	1,2	1,85	1,85	15,80	25000	1,10	C
KW 60HP	19,05	12,70	11,91	8,31	6,10	25,8	0,6	2,40	2,40	18,00	26500	1,40	A
KW 60HB	19,05	12,70	11,91	7,00	5,01	26,5	1,1	2,40	2,40	18,00	20000	1,39	B
KW 16B127HP	25,40	12,70	15,88	9,53	7,05	30,8	1,2	4,10	3,10	23,00	40000	2,28	B
KW 80HP	25,40	15,75	15,88	11,30	8,10	32,4	1,4	3,20	3,20	24,00	51000	2,30	A

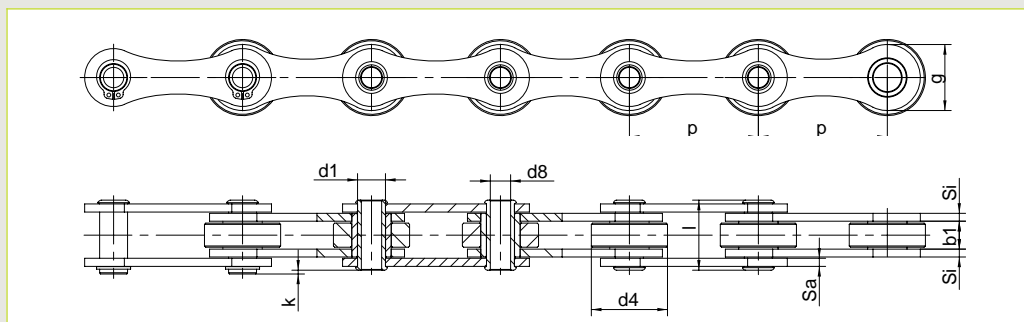
KW HPSS (stainless)													
Type of chain	p	b_1	d_3/d_4	d_1	d_5	l	k	S_i	S_a	g	F_B	$\approx q$	
KW 08BHPSS	12,70	7,75	8,51	6,14	4,50	16,2	1,8	1,65	1,5	12,10	7800	0,6	A
KW 40HPSS	12,70	7,85	7,95	6,65	4,10	16,5	1,0	1,50	1,5	12,00	7700	0,6	A
KW 50HPSS	15,875	9,40	10,16	7,03	5,13	20,7	1,2	2,00	2,0	15,09	12500	0,9	A
KW 60HPSS	19,05	12,70	11,91	8,31	6,10	25,8	0,6	2,40	2,4	18,00	16800	1,4	A
KW 80HPSS	25,40	15,75	15,88	11,30	8,10	32,4	1,4	3,20	3,2	24,00	24000	2,3	A

KettenWulf 1650 HP hollow-pin chains

KettenWulf Hollow Pin Chains

All KettenWulf 1650 HP chain series are based on the same basic dimensions, and are differentiated only through the use of different materials as well as varying heat and surface treatments of the chain components.

KettenWulf also supplies coated chains as well as stainless steel with standard FDA H1 lubrication



KW 1650-HP

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. pin Ø [mm]	Min. hollow-pin inside Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Thickness of link plate Inside [mm]	External plate thickness [mm]	Height [mm]	Fracture force [N]	Weight [kg/m]
	p	b _i	d _r	d _p	d ₈	l	k	S _i	S _e	g	F _B	≈q
KW 1650HP	50,8	10,5	30	11,4	8,2	27,4	1,2	3,1	3,1	26	50000	2,15
KW 16100HP	100,0	10,5	30	11,4	8,2	27,4	1,2	3,1	3,1	26	50000	1,45
KW 16500HP	50,0	10,5	30	11,4	8,2	27,4	1,2	3,1	3,1	26	50000	2,15
KW 1650HPZP	50,8	10,5	30	11,4	8,2	27,4	1,2	3,1	3,1	26	50000	2,15
KW 1650HPZP-D	50,8	10,5	30	11,4	8,2	27,4	1,2	3,1	3,1	26	50000	1,55
KW 1650HPSS400	50,8	10,5	30	11,4	8,2	27,4	1,2	3,1	3,1	26	35000	2,15
KW 1650HPSS400-D	50,8	10,5	30	11,4	8,2	27,4	1,2	3,1	3,1	26	35000	1,55
KW 1650HPZPK-D	50,8	10,5	30	11,4	8,2	27,4	1,2	3,1	3,1	26	50000	1,55
KW 1650HPSSK400-D	50,8	10,5	30	11,4	8,2	27,4	1,2	3,1	3,1	26	50000	1,55

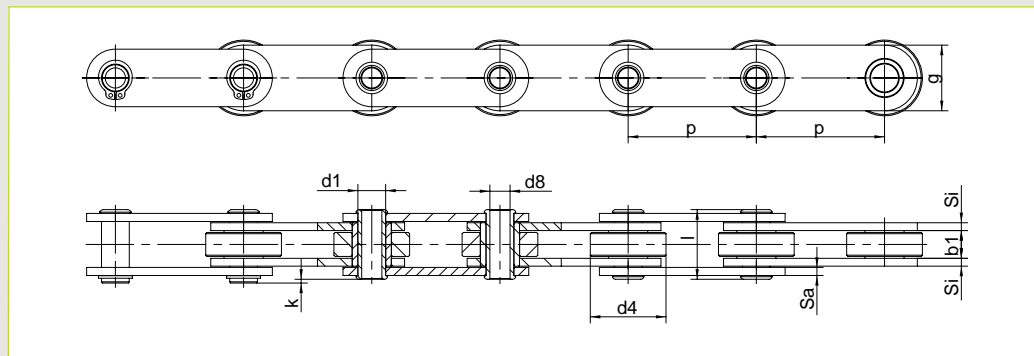
Material, heat and surface treatment

Type of chain	Hollow-pin	Bush	Roller	Link plate
KW 1650HP	Casehardening steel	Casehardening steel	Casehardening steel	Tempered steel
KW 16100HP	Casehardening steel	Casehardening steel	Casehardening steel	Tempered steel
KW 16500HP	Casehardening steel	Casehardening steel	Casehardening steel	Tempered steel
KW 1650HPZP	Zinc-coated, case-hardened steel	Zinc-coated, case-hardened steel	Zinc-coated, case-hardened steel	Zinc-coated, tempered steel
KW 1650HPZP-D	Zinc-coated, case-hardened steel	Zinc-coated, case-hardened steel	Plastic	Zinc-coated, tempered steel
KW 1650HPSS400	Tempered rust-free SUS 400	Tempered rust-free SUS 400	Rust-free SUS 300	Rust-free SUS 300
KW 1650HPSS400-D	Tempered rust-free SUS 400	Tempered rust-free SUS 400	Plastic	Rust-free SUS 300
KW 1650HPZPK-D	Zinc-coated, case-hardened steel	Case-hardened steel galvanized + thermoplastic plain bearings	Plastic	Zinc-coated, tempered steel
KW 1650HPSSK400-D	Tempered rust-free SUS 400	Tempered rust-free SUS 400 + thermoplastic plain bearings	Plastic	Rust-free SUS 300

KettenWulf DP-HP hollow-pin chains

KettenWulf Hollow Pin Chains

The "Double Pitch Hollow Pin" (DP-HP) chains are long link hollow pin chains that have the same basic dimensions as the standard KettenWulf hollow pin chains. The double pitch chains have a larger pitch as well as straight link plates. The chains are also available with protective or support rollers.



KW DP-HP

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. protective and running roller Ø [mm]	Max. pin Ø [mm]	Min. hollow-pin inside Ø [mm]	Max. pin length [mm]	Max. connecting pin overhang [mm]	Thickness of link plate inside [mm]	External plate thickness [mm]	Height [mm]	Fracture force [N]	Weight [kg/m]
	p	b ₁	d ₅ /d ₄	d ₁	d ₈	l	k	S _i	S _e	g	F _B	≈ q
KW C2040HP	25,40	7,85	7,95	6,65	4,10	16,5	1,0	1,5	1,5	12,00	11000	0,47
KW C2042HP	25,40	7,85	15,88	5,63	4,00	16,6	0,9	1,5	1,5	12,00	11000	0,82
KW C2050HP	31,75	9,40	10,16	7,03	5,13	20,7	1,2	2,0	2,0	15,09	20000	0,76
KW C2052HP	31,75	9,40	19,05	7,03	5,13	20,7	1,2	2,0	2,0	15,09	20000	1,26
KW C2060HP	38,10	12,70	11,92	8,31	6,10	25,8	1,0	2,4	2,4	18,00	26500	1,12
KW C2062HP	38,10	12,70	22,23	8,31	6,10	25,8	1,0	2,4	2,4	18,00	26500	1,80
KW C2080HP	50,80	15,75	15,88	11,30	8,10	32,4	1,4	3,2	3,2	24,00	51000	1,98
KW C2082HP	50,80	15,75	28,58	11,30	8,10	32,4	1,4	3,2	3,2	24,00	51000	3,20

KW DP-HPSS (rust-free)

Type of chain	p	b ₁	d ₅ /d ₄	d ₁	d ₈	l	k	S _i	S _e	g	F _B	≈ q
KW C2042HPSS	25,40	7,95	15,88	5,63	4,1	16,6	0,9	1,5	1,5	12	7700	0,82
KW C2052HPSS	31,75	9,53	19,05	7,11	5,1	20,5	1,3	2,0	2,0	15	12500	1,26
KW C2062HPSS	38,10	12,70	22,23	8,31	6,1	25,8	1,2	2,4	2,4	18	16800	1,80

KW 1590-HP

Type of chain	p	b ₁	d ₅ /d ₄	d ₁	d ₈	l	k	S _i	S _e	g	F _B	≈ q
KW 1589HP	38,1	15,2	18	14,0	10,2	34,4	2,6	3,7	3,7	27	45000	2,62
KW 1598HP	50,0	15,0	26	20,1	14,4	35,6	2,4	3,1	3,1	40	95000	4,10

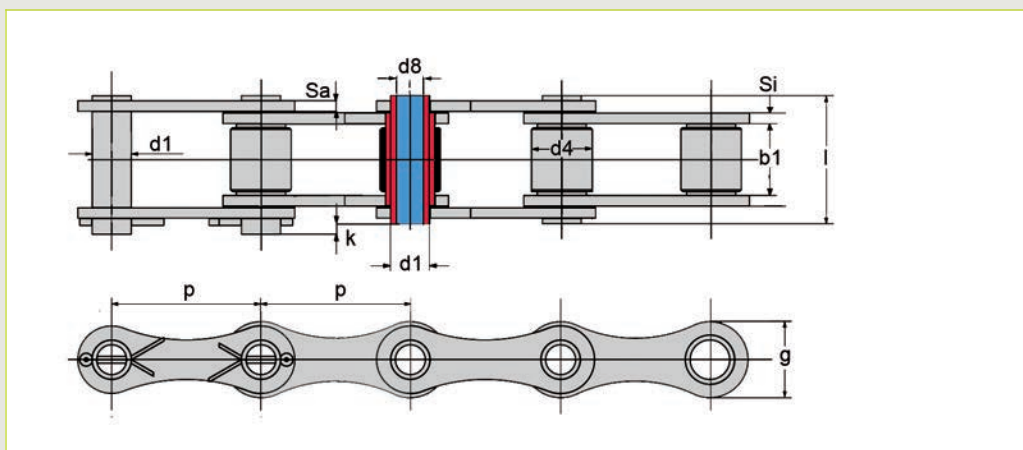
KettenWulf A55 HP hollow-pin chains

KettenWulf Hollow Pin Chains

The A55 chains from KettenWulf are all based on the same chain, and therefore have identical dimensions.

The following options are also available:

- » Galvanizing (A55ZP)
- » Solid pin instead of hollow pin; galvanized (A155TSZP)
- » A55SS – all chain components of stainless steel



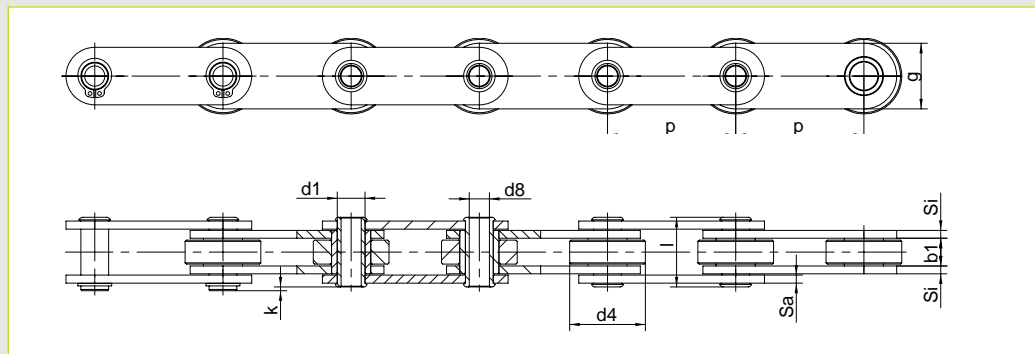
KW A55 HP

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. pin Ø [mm]	Min. hollow-pin inside Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Internal plate thickness [mm]	External plate thickness [mm]	Height [mm]	Fracture force [N]	Weight [kg/ m]
	p	b_1	d_4	d_1	d_8	l	k	S_i	S_e	g	F_b	$\approx q$
KW A55ZP	41,75	19,9	17,1	11,11	8,2	35,7	3,3	3,1	3,1	21,65	26500	1,6
KW A155TSZP	41,75	19,9	17,1	11,11	-	35,7	5,3	3,1	3,1	25,26	49000	2,0
KW A55SS	41,75	19,9	17,1	11,11	8,2	35,7	3,3	3,1	3,1	21,65	13200	1,6

KettenWulf BS-HP hollow-pin chains

KettenWulf Hollow Pin Chains

KettenWulf's "British Standard" (BS) hollow pin chains are produced to a high standard in order to achieve higher strength. This higher strength is achieved through tempering and shot peening the link plates. Additionally, galvanized chains are available upon request.



KW BS-HP

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. roller Ø [mm]	Max. bush Ø [mm]	Max. pin Ø [mm]	Min. hollow-pin inside Ø [mm]	Max. pin length [mm]	Max. overhang Connecting pin [mm]	Plate thickness [mm]	Height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p	b ₁	d ₄	d ₈	d ₁	d ₆	l	k	S ₁ /S _a	g	f	F _B	≈ q
KW 4202HP	50,8	15,00	31,8	18,0	14,00	10,1	36,5	2,5	3,8/3,8	25,4	3,2	42000	3,5
KW 4203HP	76,2	15,00	31,8	18,0	14,00	10,1	36,5	2,5	3,8/3,8	25,4	3,2	42000	2,9
KW 42035HP	88,9	15,00	31,8	18,0	14,00	10,1	36,5	2,5	3,8/3,8	25,4	3,2	42000	2,7
KW 4204HP	101,6	15,00	31,8	18,0	14,00	10,1	36,5	2,5	3,8/3,8	25,4	3,2	42000	2,6
KW 8403HP	76,2	19,05	47,6	23,7	19,05	13,6	43,8	3,0	5,1/3,8	39,0	5,6	84000	6,9
KW 8404HP	101,6	19,05	47,6	23,7	19,05	13,6	43,8	3,0	5,1/3,8	39,0	5,6	84000	5,9
KW 8406HP	152,4	19,05	47,6	23,7	19,05	13,6	43,8	3,0	5,1/3,8	39,0	5,6	84000	4,9

In the category of lift chains, KettenWulf also includes gall and flyer type chains.

The construction of gall type chains enables the absorption of tensile loads as well as the possible transfer of tensile forces to sprockets. Due to the characteristics of gall chain, it is suited for use as a load and transport chain at low speeds.

Flyer chains are used mainly in the absorption and transfer of forces within the system and machine construction. Due to the compact design and construction, flyer chains indicate a high fracture load with a small construction width but cannot transfer torque to sprockets.

KettenWulf lift chains



Figure 1:
KettenWulf GK
gall chain

Figure 2:
KettenWulf F flyer chain



Figure 3:
KettenWulf BL
flyer chain

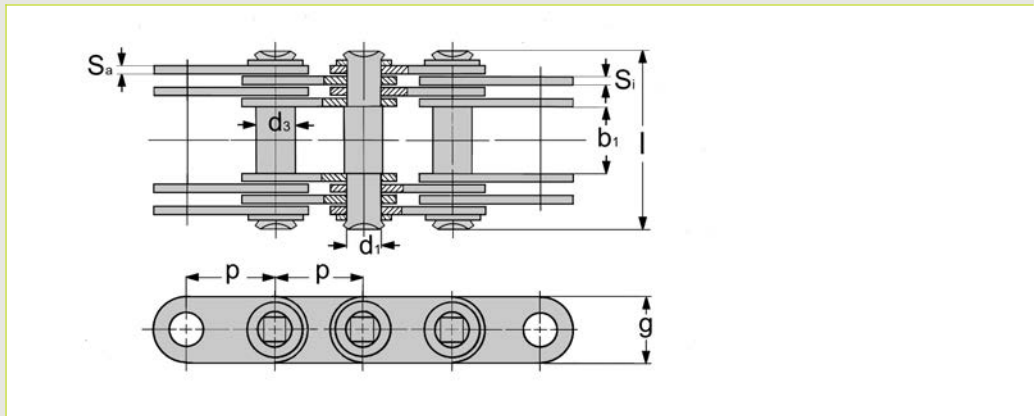
Figure 4:
KettenWulf AL
flyer chain



KettenWulf G gall chains

KettenWulf Gall Chains in accordance with DIN 8150

Gall chains, according to DIN 8150, are employed mainly as load chains or for drives with small loads and low chain speeds. All gall chains from KettenWulf are available as hardened materials. Hardening of the material considerably increased the fracture load and wear resistance. Additionally, connecting components are available upon request.



KW G

DIN 8150

Type of chain	Pitch [mm]	Min. clearance width [mm]	Max. bush \varnothing [mm]	Max. pin \varnothing [mm]	Max. pin length [mm]	max. length Connecting pin [mm]	Plate thickness [mm]	Plate number	Height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/m]
	p	b_1	d_3	d_1	l	L	S_1/S_3	n	g	f	F_B	$\approx q$
KW G20	20	15	8	6	28,0	33,0	2,0	2	15	0,24	12500	1,1
KW G25	25	18	10	8	36,0	42,0	3,0	2	18	0,48	25000	1,8
KW G30	30	20	11	9	51,6	57,5	3,0	4	20	1,08	40000	3,4
KW G35	35	22	12	10	53,0	61,0	3,0	4	26	1,2	60000	4,5
KW G40	40	25	14	12	56,5	63,5	3,0	4	30	3,72	80000	5,0
KW G45	45	30	17	14	63,0	70,0	3,0	4	35	1,68	100000	7,0
KW G50	50	35	22	18	86,2	97,0	4,5	4	38	3,24	150000	10,6
KW G55	55	40	24	21	108,0	115,0	6,0	6	42	5,04	390000	15,5
KW G60	60	45	26	23	114,0	120,0	6,0	6	46	5,52	500000	17,4
KW G70	70	50	32	28	148,0	157,0	6,0	6	55	10,08	375000	34,0
KW G80	80	60	36	32	159,0	171,0	6,0	6	60	11,52	500000	39,0
KW G90	90	70	40	36	184,0	200,0	7,0	6	70	15,12	750000	53,0
KW G100	100	80	45	40	224,0	234,0	7,0	8	80	22,95	1000000	77,0

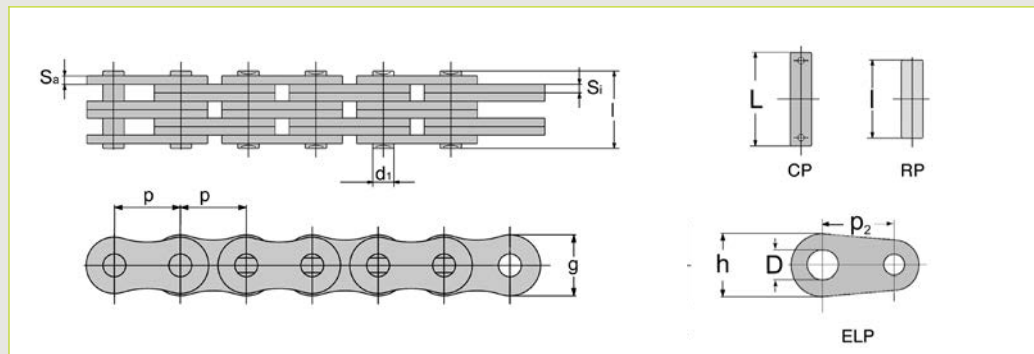
» The indicated fracture forces correspond to DIN 8150. We shall be glad to inform you of the higher effective fracture forces on request.

KettenWulf F flyer chains

KettenWulf Flyer Chains According to ISO 4347 Series LL

Flyer chains from the F Series of KettenWulf chain are based on the pins and outside link plates of roller chain build according to ISO 606. Case hardening of the pins give these F Series chains a high resistance to wear.

Flyer chains are mainly used a load lifting chains in tool production machines. Riveting pins, cotter pins and end plates, for all types of F Series chain, are available separately.



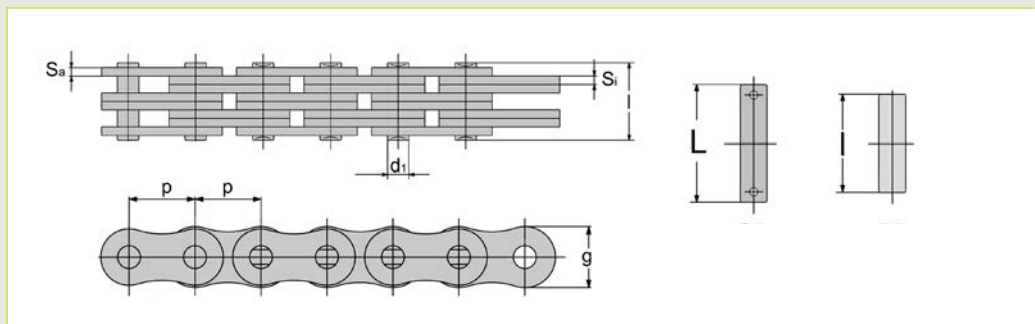
KW F		ISO 4347/ DIN 8152												
Type of chain	DIN	Pitch [mm]	Plate distribution	Max. pin Ø [mm]	Max. pin length [mm]	max. length Connecting pin [mm]	Plate thickness [mm]	Height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]	Pitch [mm] End plate	Fastening hole Ø [mm] End plate	Height end plate [mm]
		p		di	l	L	S ₁ /S ₂	g	f	F _b	≈ q	p ₂	D	h
KW F124	LL 0844	12,70	4x4	4,45	15,6	22,1	1,55	10,9	0,28	36400	0,83	15	6	16
KW F126	LL 0866	12,70	6x6	4,45	22,0	29,1	1,55	10,9	0,42	54600	1,23	15	6	16
KW F154	LL 1044	15,875	4x4	5,08	16,2	21,2	1,65	13,6	0,32	45400	1,10	20	8	18
KW F156	LL 1066	15,875	6x6	5,08	22,9	28,2	1,65	13,6	0,48	68100	1,64	20	8	18
KW F194	LL 1244	19,05	4x4	5,72	17,4	25,0	1,90	16,0	0,40	59000	1,50	30	10	20
KW F196	LL 1266	19,05	6x6	5,72	25,1	31,3	1,90	16,0	0,60	88500	2,23	30	10	20
KW F196S	/	19,05	6x6	5,98	31,5	38,5	2,30	14,7	0,83	115000	2,10	25	10	20
KW F19V44	/	19,05	4x4	6,50	23,0	30,0	2,40	15,2	0,61	71000	1,80	25	10	20
KW F19V66	/	19,05	6x6	6,50	33,0	40,0	2,40	15,2	0,91	106000	2,60	25	10	20
KW F254	LL 1644	25,40	4x4	8,28	29,4	37,5	3,10	21,0	1,00	116000	3,20	30	12	25
KW F256	LL 1666	25,40	6x6	8,28	42,4	50,5	3,10	21,0	1,50	174000	4,77	30	12	25
KW F258	LL 1688	25,40	8x8	8,28	54,9	63,5	3,10	21,0	1,98	232000	6,36	30	12	25
KW F314	LL 2044	31,75	4x4	10,19	33,2	43,8	3,50	26,0	1,42	190000	4,79	50	18	40
KW F316	LL 2066	31,75	6x6	10,19	47,8	57,8	3,50	26,0	2,13	285000	7,14	50	18	40
KW F318	LL 2088	31,75	8x8	10,19	64,0	72,8	3,50	26,0	2,83	380000	9,52	50	18	40
KW F384	LL 2444	38,10	4x4	14,63	46,2	60,6	5,00	33,0	2,92	340000	8,45	65	24	50
KW F386	LL 2466	38,10	6x6	14,63	65,8	81,6	5,00	33,0	4,38	510000	12,57	65	24	50
KW F388	LL 2488	38,10	8x8	14,63	86,6	102,6	5,00	33,0	5,82	680000	16,58	65	24	50
KW F502	LL 3222	50,80	2x2	17,81	33,4	-	6,45	41,9	2,24	260000	6,77	90	32	70
KW F504	LL 3244	50,80	4x4	17,81	59,2	64,5	6,45	41,9	4,48	520000	13,25	90	32	70
KW F506	LL 3266	50,80	6x6	17,81	85,0	104,0	6,45	41,9	6,72	780000	19,73	90	32	70
KW F508	LL 3288	50,80	8x8	17,81	112,2	131,4	6,45	41,9	8,94	1040000	26,26	90	32	70

» The indicated fracture forces correspond to ISO 4347. We shall be glad to inform you of the higher effective fracture forces on request.

KettenWulf BL flyer chains

KettenWulf Flyer Chains According to ISO 4347 Series LH

BL flyer chains, from KettenWulf, have dimensions that correspond to those of standard roller chains with the same pitch. However, plate thickness and pin diameter are taken from standard chain with the next larger pitch. Due to the increased reinforcement, chains in the BL Series are used in forklifts for heavy duty load lifting tasks. Pins and connecting links are available separately.



KettenWulf BL flyer chains

The KettenWulf flyer chains according to ISO 4347 Series LH

KW BL		ISO 4347/ DIN 8152									
Type of chain	DIN	Pitch [mm]	Plate distribution	Max. pin Ø [mm]	Max. pin length [mm]	max. length Connecting pin [mm]	Plate thickness [mm]	Height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
		p		d ₁	l	L	S ₁ /S ₂	g	f	F _B	z q
KW BL423	LH 0823	12,70	2x3	5,09	13,1	15,3	2,0	12,10	0,3	22200	0,80
KW BL434	LH 0834	12,70	3x4	5,09	17,4	19,6	2,0	12,10	0,41	33300	1,12
KW BL444	LH 0844	12,70	4x4	5,09	19,5	21,7	2,0	12,10	0,41	44400	1,28
KW BL446	LH 0846	12,70	4x6	5,09	23,8	25,9	2,0	12,10	0,61	44400	1,60
KW BL466	LH 0866	12,70	6x6	5,09	28,0	30,2	2,0	12,10	0,61	66600	1,92
KW BL523	LH 1023	15,875	2x3	5,96	15,3	17,8	2,4	15,10	0,43	33400	1,10
KW BL534	LH 1034	15,875	3x4	5,94	20,3	22,8	2,4	15,09	0,57	50100	1,50
KW BL544	LH 1044	15,875	4x4	5,96	22,7	25,5	2,4	15,10	0,57	66800	1,80
KW BL546	LH 1046	15,875	4x6	5,96	27,7	30,4	2,4	15,10	0,86	66800	2,20
KW BL566	LH 1066	15,875	6x6	5,96	32,1	35,0	2,4	15,10	0,86	100200	2,65
KW BL623	LH 1223	19,05	2x3	7,94	20,7	23,6	3,2	18,10	0,76	48900	1,80
KW BL634	LH 1234	19,05	3x4	7,94	27,4	30,2	3,2	18,10	1,01	73400	2,50
KW BL644	LH 1244	19,05	4x4	7,94	30,7	33,5	3,2	18,10	1,01	97800	2,90
KW BL646	LH 1246	19,05	4x6	7,94	37,4	39,9	3,2	18,10	1,52	97800	3,60
KW BL666	LH 1266	19,05	6x6	7,94	44,2	46,3	3,2	18,10	1,52	146800	4,30
KW BL823	LH 1623	25,40	2x3	9,54	25,4	28,8	3,9	24,10	1,11	84500	2,70
KW BL834	LH 1634	25,40	3x4	9,54	33,7	37,3	3,9	24,10	1,49	126800	3,80
KW BL844	LH 1644	25,40	4x4	9,54	37,9	41,6	3,9	24,10	1,49	169000	4,30
KW BL846	LH 1646	25,40	4x6	9,54	46,1	49,8	3,9	24,10	2,23	169000	5,40
KW BL866	LH 1666	25,40	6x6	9,54	54,4	58,5	3,9	24,10	2,23	253600	6,50
KW BL1023	LH 2023	31,75	2x3	11,11	30,3	34,7	4,7	30,20	1,56	115600	4,30
KW BL1034	LH 2034	31,75	3x4	11,11	40,2	44,3	4,7	30,20	2,09	173400	6,00
KW BL1044	LH 2044	31,75	4x4	11,11	45,1	49,0	4,7	30,20	2,09	231200	6,90
KW BL1046	LH 2046	31,75	4x6	11,11	55,0	58,5	4,7	30,20	3,13	231200	8,60
KW BL1066	LH 2066	31,75	6x6	11,11	65,0	68,0	4,7	30,20	3,13	346800	10,30
KW BL1223	LH 2423	38,10	2x3	12,71	35,4	39,3	5,5	36,20	2,10	151200	5,80
KW BL1234	LH 2434	38,10	3x4	12,71	47,0	50,5	5,5	36,20	2,79	226800	8,10
KW BL1244	LH 2444	38,10	4x4	12,71	52,8	56,2	5,5	36,20	2,79	302400	9,30
KW BL1246	LH 2446	38,10	4x6	12,71	64,5	67,3	5,5	36,20	4,19	302400	11,60
KW BL1266	LH 2466	38,10	6x6	12,70	73,0	77,5	5,6	36,00	4,19	453600	13,90
KW BL1423	LH 2823	44,45	2x3	14,29	40,1	43,6	6,3	42,20	2,70	191300	7,60
KW BL1434	LH 2834	44,45	3x4	14,29	53,3	56,7	6,3	42,20	3,60	287000	10,60
KW BL1444	LH 2844	44,45	4x4	14,29	59,5	63,1	6,3	42,20	3,60	382600	12,20
KW BL1446	LH 2846	44,45	4x6	14,29	73,1	75,6	6,3	42,20	5,40	382600	15,20
KW BL1466	LH 2866	44,45	6x6	14,29	86,3	88,7	6,3	42,20	5,40	574000	18,20
KW BL1623	LH 3223	50,80	2x3	17,46	46,5	48,0	7,1	48,30	3,72	289100	10,00
KW BL1634	LH 3234	50,80	3x4	17,46	61,7	63,0	7,1	48,30	4,96	433700	14,00
KW BL1646	LH 3246	50,80	4x6	17,46	84,4	78,5	7,1	48,30	7,44	578200	20,00
KW BL1666	LH 3266	50,80	6x6	17,46	99,5	100,0	7,1	48,30	7,44	867400	24,00
KW BL1688	LH 3288	50,80	8x8	17,46	124,8	130,5	7,2	47,35	9,92	1156400	32,00

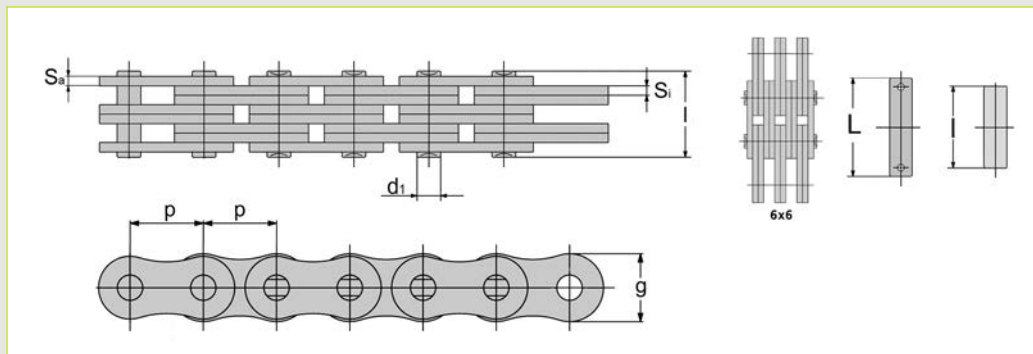
» The indicated fracture forces correspond to DIN 4347. We shall be glad to inform you of the higher effective fracture forces on request.

KettenWulf AL flyer chains

KettenWulf Flyer Chains

The AL Series flyer chains from KettenWulf are based on roller chains built according to American Standards.

The dimensions correspond to those of roller chains with the same pitch. The area of application is in light to medium loading.



KW AL

Type of chain	Pitch [mm]	Plate distribution	Max. pin Ø [mm]	Max. pin length [mm]	max. length Connecting pin [mm]	Plate thickness [mm]	Height [mm]	Link surface [cm ²]	Fracture force [N]	Weight [kg/ m]
	p		d ₁	l	L	S ₁ /S _a	g	f	F ₀	≈ q
KW AL666	19,05	6 x 6	5,94	32,1	35,5	2,40	15,5	0,85	100100	2,75
KW AL866	25,40	6 x 6	7,92	44,2	48,2	3,25	20,5	1,52	170000	4,82

Accessories KettenWulf

As a natural extension of the extensive chain product range, KettenWulf also offers corresponding accessories for all chain types.

We offer everything from connecting links and spare parts for all chains in the catalogue to assembly tools and high performance lubricants for a wide range of applications

KettenWulf Connecting Links and Spare Parts for Roller



Type of chain	Description
1	RL Inside link
2	PL Outside link force fit
3	CLS Connecting link with spring and slide seat
4	CLC Connecting link with split pin and slide seat
5	CLTS(PCL) Connecting link with spring and light force fit
6	CLTC Connecting link with split pin and light force fit
7	CLPS Connecting link with spring and force fit
8	CLSCR Screw-cap closing link
9	OL Offset link with split pin
10	OLD Offset double link
11	OLSCR Offset link with screw close-off

Chain pitch		Simplex				Duplex				Triplex			
mm	inch	CL	PL	OL	OLD	CL	PL	OL	OLD	CL	PL	OL	OLD
6,00	–	50	50	50	50	50	50	–	–	–	–	–	–
6,35	1/4"	50	50	50	50	50	50	50	50	50	50	50	–
8,00	–	50	50	50	50	50	50	50	50	50	50	50	–
9,525	3/8"	50	50	50	50	50	50	50	50	50	50	50	50
12,70	1/2"	50	50	50	25	25	25	25	25	25	25	25	25/10
15,875	5/8"	50	50	50	20	25	25	20	10	20	20	20	10
19,05	3/4"	25	25	25	15	15	15	15	10	15	10	10	5
25,40	1"	20	20	20	10	10	10	10	5	5	5	5	5
31,75	1 1/4"	20	20	20	10	10	10	10	5	5	5	5	–
38,10	1 1/2"	10	10	10	–	5	5	5	–	5	5	5	–
44,45	1 3/4"	5	5	5	–	5	5	5	–	5	5	5	–
50,80	2"	5	5	5	–	5	5	5	–	5	5	5	–
57,15	2 1/4"	5	5	5	–	5	5	5	–	5	5	5	–
63,50	2 1/2"	5	5	5	–	5	5	5	–	5	5	5	–
76,20	3"	5	5	5	–	5	5	5	–	5	5	5	–

KettenWulf rod lengths of the standard roller chains

Carton (meter)							
Chain pitch		Simplex		Duplex		Triplex	
mm	inch	Content: Meter number, including 2 CL		Content: Meter number, including 2 CL		Content: Meter number, including 2 CL	
		Links	Length	Links	Length	Links	Length
6	–	831 + 2 CL	4.998 m	831 + 2 CL	4.998 m	831 + 2 CL	4.998 m
6,35	1/4"	785 + 2 CL	4.997 m	785 + 2 CL	4.997 m	785 + 2 CL	4.997 m
8	–	623 + 2 CL	5.000 m	623 + 2 CL	5.000 m	623 + 2 CL	5.000 m
9,525	3/8"	523 + 2 CL	5.001 m	523 + 2 CL	5.001 m	523 + 2 CL	5.001 m
12,7	1/2"	391 + 2 CL	4.991 m	391 + 2 CL	4.991 m	391 + 2 CL	4.991 m
15,875	5/8"	313 + 2 CL	5.001 m	313 + 2 CL	5.001 m	313 + 2 CL	5.001 m
19,05	3/4"	261 + 2 CL	5.010 m	261 + 2 CL	5.010 m	261 + 2 CL	5.010 m
25,4	1"	195 + 2 CL	5.004 m	195 + 2 CL	5.004 m	195 + 2 CL	5.004 m
31,75	1 1/4"	155 + 2 CL	4.985 m	155 + 2 CL	4.985 m	155 + 2 CL	4.985 m
38,1	1 1/2"	129 + 2 CL	4.991 m	129 + 2 CL	4.991 m	129 + 2 CL	4.991 m
44,45	1 3/4"	111 + 2 CL	5.023 m	111 + 2 CL	5.023 m	111 + 2 CL	5.023 m
50,8	2"	97 + 2 CL	5.029 m	97 + 2 CL	5.029 m	97 + 2 CL	5.029 m
57,15	2 1/4"	85 + 2 CL	4.972 m	85 + 2 CL	4.972 m	85 + 2 CL	4.972 m
63,5	2 1/2"	77 + 2 CL	5.017 m	77 + 2 CL	5.017 m	77 + 2 CL	5.017 m
76,2	3"	63 + 2 CL	4.953 m	63 + 2 CL	4.953 m	63 + 2 CL	4.953 m

Carton (meter)							
Chain pitch		Simplex		Duplex		Triplex	
inch	mm	Content: feet, including 1 CL		Content: feet, including 1 CL		Content: feet, including 1 CL	
		Links	Length	Links	Length	Links	Length
1/4"	6,35	479 + 1	304.80 cm	479 + 1	304.80 cm	479 + 1	304.80 cm
3/8"	9,525	319 + 1	304.80 cm	319 + 1	304.80 cm	319 + 1	304.80 cm
1/2"	12,70	239 + 1	304.80 cm	239 + 1	304.80 cm	239 + 1	304.80 cm
5/8"	15,875	191 + 1	304.80 cm	191 + 1	304.80 cm	191 + 1	304.80 cm
3/4"	19,05	159 + 1	304.80 cm	159 + 1	304.80 cm	159 + 1	304.80 cm
1"	25,40	119 + 1	304.80 cm	119 + 1	304.80 cm	119 + 1	304.80 cm
1 1/4"	31,75	95 + 1	304.80 cm	95 + 1	304.80 cm	95 + 1	304.80 cm
1 1/2"	38,10	79 + 1	304.80 cm	79 + 1	304.80 cm	79 + 1	304.80 cm
1 3/4"	44,45	69 + 1	304.80 cm	69 + 1	304.80 cm	69 + 1	304.80 cm
2"	50,80	59 + 1	304.80 cm	59 + 1	304.80 cm	59 + 1	304.80 cm
2 1/2"	63,50	49 + 1	304.80 cm	49 + 1	304.80 cm	49 + 1	304.80 cm

Reels



Reels			
Chain pitch		Single-bush roller chains	
inch	mm	Meter	feet
6	–	76,2 / 152,4	250/500
6,35	1/4"	76,2 / 152,4	250/500
8	–	76,2 / 152,4	250/500
9,525	3/8"	76,2 / 152,4	250/500
12,7	1/2"	30,48 / 76,2	100/250
15,875	5/8"	30,48	100
19,05	3/4"	15,24 / 30,48	50/100
25,4	1"	15,24	50
31,75	1 1/4"	12,19	40

For further information please visit our website at www.kettenwulf.com or request the following company brochures:

- » Focus on the KettenWulf Group
- » Chains and sprockets for the bulk material handling industry
- » Chains and sprockets for the automotive industry
- » Chains and sprockets for the steel and aluminium industries
- » Chains and sprockets for the wood industry
- » KettenWulf conveyor chains and sprockets

KettenWulf Betriebs GmbH
Zum Hohenstein 15
D-59889 Eslohe-Kückelheim
Germany
T + 49.(0) 2973.801-0
F + 49.(0) 2973.801-2296
service@kettenwulf.com

KettenWulf Betriebs GmbH
Export Branch Office
Am Fallturm 5, Gebäude 2
D-28359 Bremen
Germany
T + 49.(0) 421.696 939 0
F + 49.(0) 421.696 939 49
export@kettenwulf.com

KettenWulf GmbH
Division Ferlacher Förderketten
A-9163 Unterbergen 25
Austria
T + 43.(0) 4227.25 27
F + 43.(0) 4227.35 94
austria@kettenwulf.com

KettenWulf NV
Division Dyna Chains
Venecoweg 20A - De Prijkels E17
B-9810 Nazareth
Belgium
T + 32.(0) 9.243 73 73
F + 32.(0) 9.221 56 03
belgium@kettenwulf.com

KettenWulf France SAS
10 rue du Château
59100 Roubaix
France
T + 33.(0) 328. 33 28 19
F + 33.(0) 328. 33 28 16
france@kettenwulf.com

Hangzhou Wulf Chain Co. Ltd.
40 Tangning Road, Yunhe Town
Yuhang District
311102 Hangzhou
P.R. China
T + 86.(0) 571.861 899 00
F + 86.(0) 571.861 899 50
info@wulfchain.com.cn

KettenWulf USA, L.P.
The Woodlands at Riverside
8110 Troon Circle SW, Suite 170
Austell, GA 30168-7852
USA
T +1.678.433 0210
F +1.678.433 0215
usa@kettenwulf.com

KettenWulf
Representative Office Poland
ul. Ogrodowa 34 B\4
PL-65-001 Zielona Góra
Poland
T + 48.(0) 68.325 43 37
F + 48.(0) 68.325 43 37
poland@kettenwulf.com

KettenWulf
Representative Office Japan
Monoh 4-chome, 14-13
Minoh-shi
Osaka 562-0001
Japan
T + 81.72.796 24 24
F + 81.72.722 20 99
japan@kettenwulf.com

KettenWulf
Indian Liaison Office
„Shalan“, 377, Sector 24,
Lokmanya Tilak Road
Near Bank of Maharash-
tra, Pradhikaran, Nigdi
Pune-411004
India
T/F +91 20 2765 2302
M +91 98 9050 3164
india@kettenwulf.com