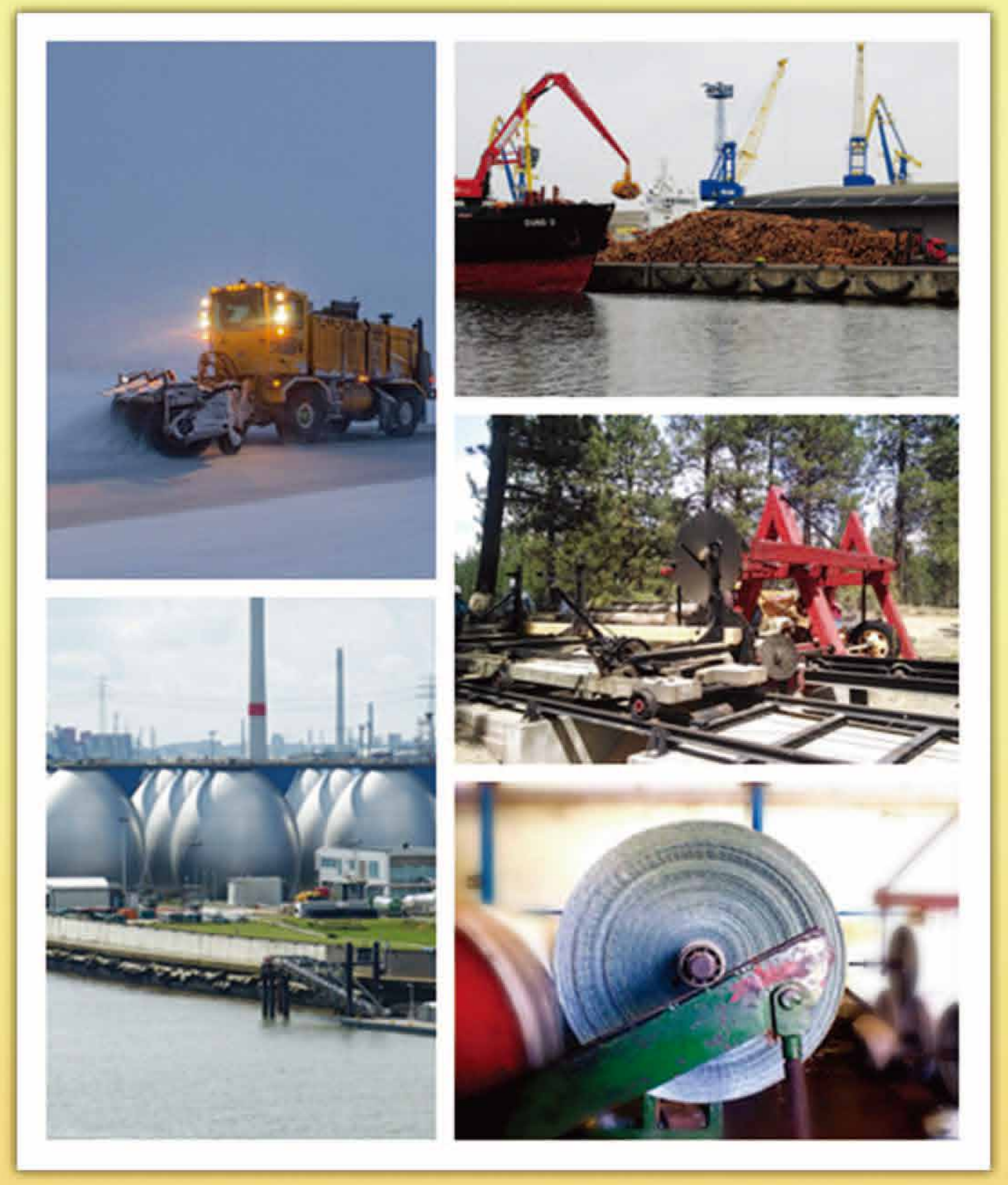
永利百合 二十年专注研制链传动

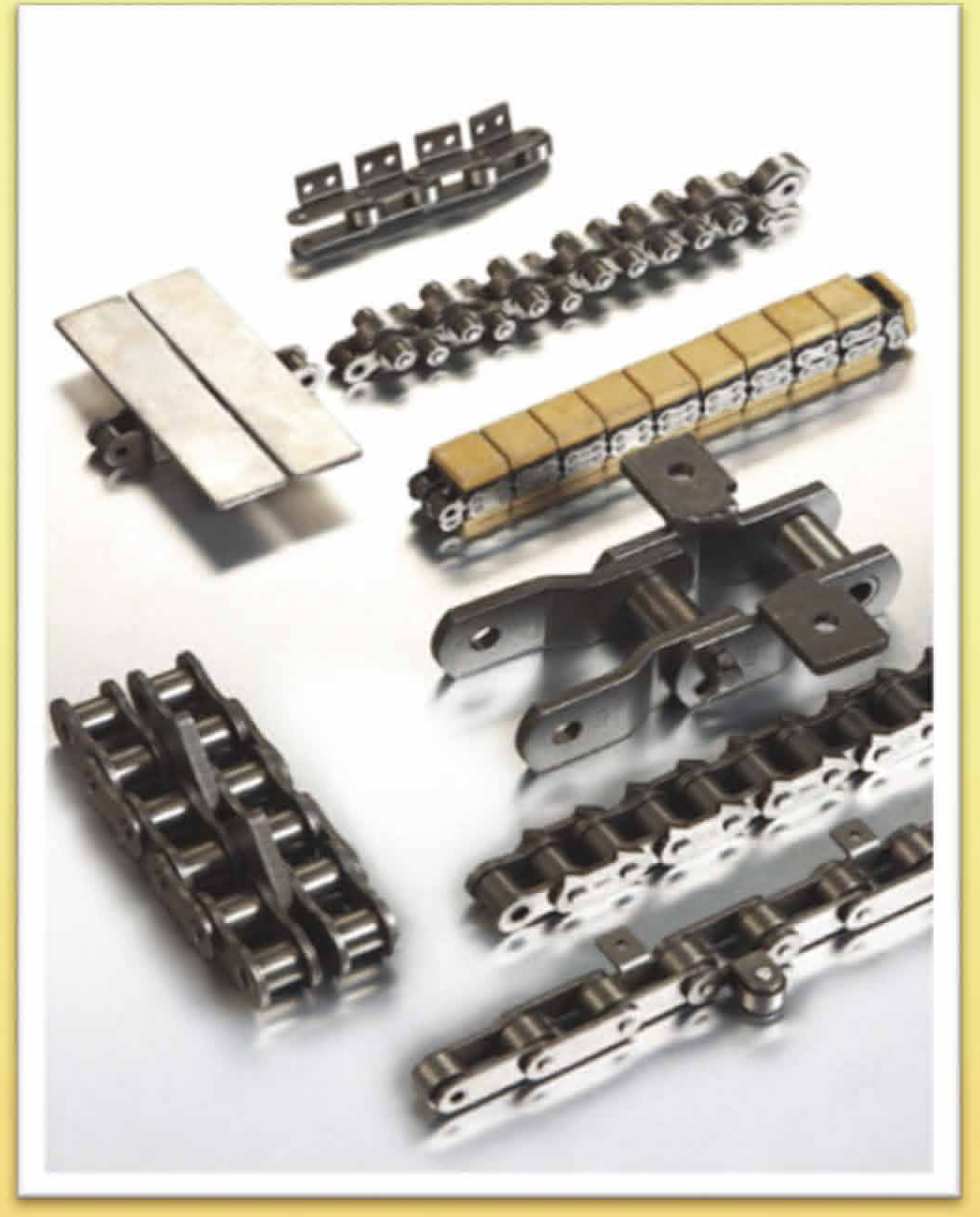
您的动力·我来传动

UNIBEAR

CARE FOR ENVIRONMENT

特殊用途链
Specialized Chains





杭州永利百合控股集团有限公司
Hangzhou Unibear Holding Group Co. Ltd

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官方网站：www.unibear.com

German Technology
德国技术

企业简介 Company Introduction

杭州永利百合控股集团有限公司，始创于1995年，建筑面积22万多平方米，员工 1200余人，注册商标有UNIBEAR®、SLCC®、Oditer®和Odiking®。公司采用国际先进的生产设备和工艺技术，专注研发生产链条链轮，产品性能优越、品质稳定，通过ISO、ANSI、BS、DIN和JIS质量标准认证，获得“国家火炬计划项目”、“浙江省企业技术中心”和“浙江省创新型试点企业”等诸多荣誉。公司产品二十年来畅销于欧洲、美洲、日本、东南亚、中东及非洲市场等60多个国家，受到世界各地客户的广泛赞誉。

公司生产包括传动链、输送链、农机链、提升链、特殊用途链、不锈钢链、摩托车链、摩托车链轮等八大类型、五十多个系列、几千种规格的链传动产品，广泛应用于工业、农业、林业、矿山、冶金、筑路、石油、建材、轻工、造纸、家电、日化、食品、陶瓷、环保、车库等国民经济众多行业的机械作业。

永利百合将始终秉承“质量为本、创新为魂”的方针、“客户满意的产品”的质量承诺，以不断完善的研发生产和售后服务来满足更多国内外客户的需求。

Hangzhou Unibear Industrial Co. Ltd. was founded in 1995, occupying an overall floorage of 220,000 square meters, hiring more than 1200 employees. It has several registered trademarks like UNIBEAR®, SLCC®, Oditer® and Odiking®.

Unibear boasts itself of advanced production equipments and processing technology that are paralleled with international level. It has been all along dedicated to conducting research and development on all kinds of chains and sprockets. Its products excellently pass major international quality standards of ISO, ANSI, BS, DIN and JIS, due to their superior performance and stable quality. Furthermore, it was crowned several reputations such as "National Torch Program Project", "The Entrepreneurial Technology Center of Zhejiang Province" and "Innovation-oriented Pilot Enterprise of Zhejiang Province", etc.For 20 years along Unibear's products were prevailingly spread all over Europe, America, Japan, Southeast Asia, Middle East and Africa, etc, attaining broad compliments from various customers of the world.

Unibear's product line consists of thousands of chains with 8 categories over 50 series, like transmission chain, conveyor chain, agriculture chain, hoist chain, specialized chain, steel-stainless chain, motorcycle chain, motorcycle sprocket, etc. They are broadly applied to machinery operation in mass industries of manufacturing, agriculture, forestry, mining, metallurgy, road-paving, oil-exploring, architecture, light industry, papermaking, household appliance, commodity, Foods, ceramics, environmental protection, garage, and so on.

Unibear will persist in the principle of "Quality assurance-oriented, in the spirit of continuous innovation", and guarantee for "Products to satisfy customers" to meet the various demand from both domestic and overseas customers with improved R&D and production capability, as well as upgraded after-sales service.

发展历程 Development Course

企业简介 Company Introduction

1995 成立永利电器、专业生产链条零件

Establish YongLi Electric Appliance, specialized in producing chain components;

1999

- 更名为杭州永利百合实业有限公司、“永利百合/ UNIBEAR”商标全球注册
- 开始生产摩链、工业链、农机链、非标链等
- 建设国内一期厂房，成立检测中心及市技术研发中心
- Renamed as Hangzhou Unibear Industrial Co. Ltd, Unibear Chinese and English logo registered globally
- Begin the production of motorcycle chain, industry chain, agriculture chain and non-standardized chain, etc.
- Construct domestic 1st stage factory building; set up Inspection Center and Technology R&D Center

2004 建设国内二期厂房, 成立公司党支部, 职工文化家园建成

Construct domestic 2nd stage factory building; Found company's CPC party branch; Set up staff entertainment cente

2010

- 成立欧迪泰尔贸易公司，及百合汇酒庄
- 成立链轮及冷镦分厂
- Establish Oditer Trading Company, and Baihehui wine cellar
- Set up sprocket and cold-heading plant

2014

- 荣获“杭州出口名牌”称号
- 成立永利百合集团公司
- 曹永年董事长荣获第十届杭州市优秀企业家
- Crowned as “Famous Brand in Hangzhou Exports”
- Establish Unibear Holding Group
- Chairman Clive Cao titled as “The 10th Outstanding Entrepreneur in Hangzhou”

2015 建设国内三期厂房、立项为科创园

Construct domestic 3rd stage factory building, approved as the S&T innovation park

2016

- 成立新链轮、板式链、扶梯链车间
- 曹永年董事长荣获“爱心慈善家”称号
- Set up new plants for sprocket, leaf chains, escalator chains
- Chairman Clive Cao crowned as “The Philanthropist”

国家级省级权威资质

National & Provincial Authoritative Qualification

品牌商标类

Brand & Trademark Class

行业协会类

Industry Association Class

社会责任与荣誉

Social Responsibility & Honor

质量管理体系认证

Quality Management System

环境管理体系认证

Environment Management System

职业健康安全管理体系认证

Occupational Health and Safety Management System

全球销售网络 Global Sales Network

二十年来，公司产品出口到全球*60*多个国家，畅销于欧洲、美洲、日本、东南亚、中东及非洲市场，受到世界各地客户广泛赞誉。

For two decades, our products were imported to over 60 countries worldwide, prevailingly spread all over Europe, America, Japan, Southeast Asia, Middle East and Africa, etc. attaining broad compliments from various customers of the world.

全球OEM合作伙伴 Global OEM Partners

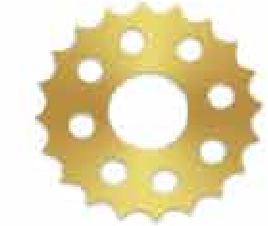
iwis antriebssysteme wir bewegen die welt | JOHN DEERE | TOYOTA | HONDA | NEW HOLLAND AGRICULTURE | XIZI-IUK 西子石川岛

PRO TORK | WIPPERMANN | KettenWulf | FORTTE | DIAMOND CHAIN COMPANY | D.I.D

KANA Katayama Chain, CO.,LTD. | FEELER | FSCM MANUFACTURING INDONESIA | STANFORTHS Motorcycle Wholesale Limited | Pakistan Chain Center

销售产品性能优越 Superior Products

- 优质合金钢材料；
- 超耐磨长使用寿命；
- 更高抗拉和抗疲劳性能；
- 先进热处理和表面处理工艺；
- 链条100%预拉减少初期伸长率；
- 创新链轮“一次冲压成型”技术；
- Fine-quality alloy-steel material;
- Super wear-resistant and prolonged service life;
- Higher tensile strength and fatigue resistance;
- Advanced heat treatment and surface polishing technique;
- 100% pre-stretch, decreasing chain's elongation;
- Innovative sprocket fine blanking of "Once-Punch-Forming" technology;

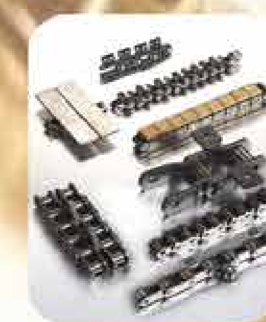



传动链
Transmission Chain


输送链
Conveyor Chain


农机链
Agricultural Chain


提升链
Hoist Chain


特殊用途链
Specialized Chain


不锈钢链
Stainless Steel Chain


摩托车链
Motorcycle Chain


摩托车链轮
Motorcycle Sprocket

ADVANCED PRODUCTION EQUIPMENT
先进的生产设备

钢带 半成品仓库
Steel strip
Semi-finished products warehouse

200吨高速冲床
200T high speed press

自动切削机
Automatic pin cuting machine

布斯卷制车间
Bush-curling Workshop

全自动热处理(一厂)
Automatic mesh belt conveyor furnace
(Factory one)

全自动热处理(二厂)
Automatic mesh belt conveyor furnace
(Factory two)

日本进口慢走丝线割机
Japan-imported slow-feeding wire-cutting machine

数控车床
Digital controlled lathe

自动倒角机
Automatic chamfering machine

激光打标机
Laser marking machine

链轮-全自动数控高吨位精密冲床(1)
Sprocket - Automatic digital-controlled
large tonnage precise lathe(1)

链轮-全自动数控高吨位精密冲床(2)
Sprocket - Automatic digital-controlled
large tonnage precise lathe(2)

ADVANCED PRODUCTION EQUIPMENT
先进的生产设备


高速装配机
High speed assembling machine


缺零件检测
Inspetion of missing parts


全自动装配线
Automatic assembling line


高精度四方铆头机
Well-finished pin quad rivet machine

▲ 自动装配线流程图
AUTOMATIC ASSEMBLY LINE FLOW CHART

装配 ASSEMBLING → 铆头 RIVETING → 缺零件检测 INSPECTION OF MISSING PARTS → 预拉跑和 PRE-STRETCHING AND RUNNING → 上油 LUBRICATING → 数目 LINKS → 包装 PACKING

备注：1.预拉跑和，拉力达到链条拉力的50%，解决了链条初期的伸长；
Note: 1. Pre-stretching and running at 60% of the tensile strength, it solves the problem of elongation of the chain in the initial stage of use.
2.我司采用链条油脂为台湾进口JS003油脂，保证了耐磨效果；
2. We use the grease JS003 from Taiwan which guarantees the wear-resistance of the chain

EXCELLENT TESTING DEVICES
完善的检测设备

检验中心
Testing Center


化学分析台
Chemical analysis platform


碳硫微机自动分析仪/分 光光度计
Material chemical analysis machine
Material chemical tester


金相显微镜
Metalloscope


HV-5 维氏硬度hardness tester


全自动显微维氏硬度计
Microh

EXCELLENT TESTING DEVICES
完善的检测设备


邵氏(橡胶)硬度计
Shore (Rubber) hardness tester


HV-1显微维氏硬度计
HV-1 Micro-Vickers hardness tester


喷丸强度测量仪
Shot peening strength tester


链条扭曲测量仪
Chain twist testing machine


200KN高频疲劳试验机
200KN high frequency fatigue testing machine


50KN压出力试验机
50KN Press-outforce tester


表面粗糙度测量仪
Surface roughness tester


数显碳硫自动分析仪
Carbon sulfur automatic analyzer
金相预磨机
Metallographic pre-grinding machine


金相抛光机
Metallographic polishing machine


数显链条测量仪
Instrument for measuring chain length


液压万能试验机
Hydraulic universal material testing machine


200KN材料拉力试验机
200KN material tensile strength testing machine


投影仪
Profile projector


影像测量仪
Image measuring instrument

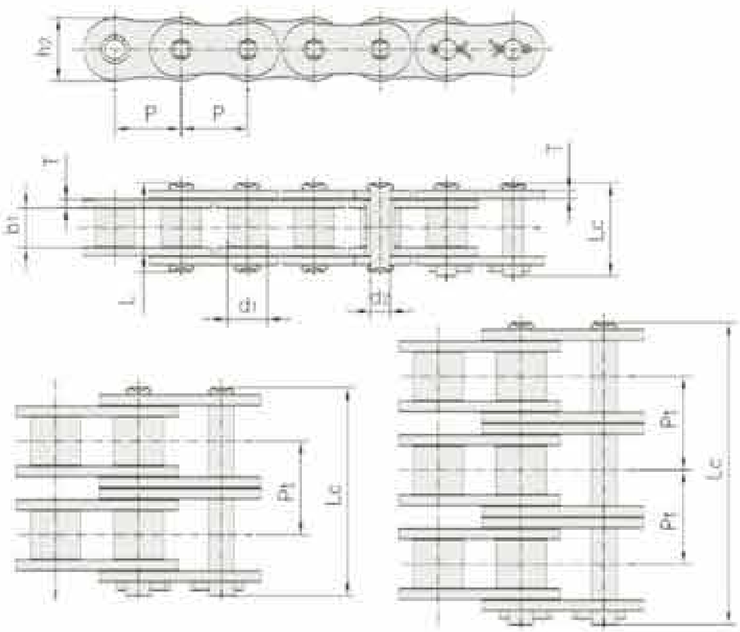

大型摄像金相显微镜
Large scale photographic metalloscop


直读光谱仪
Spectromax


链条中速磨损实验机
Mid-speed chain abrasion testing machine

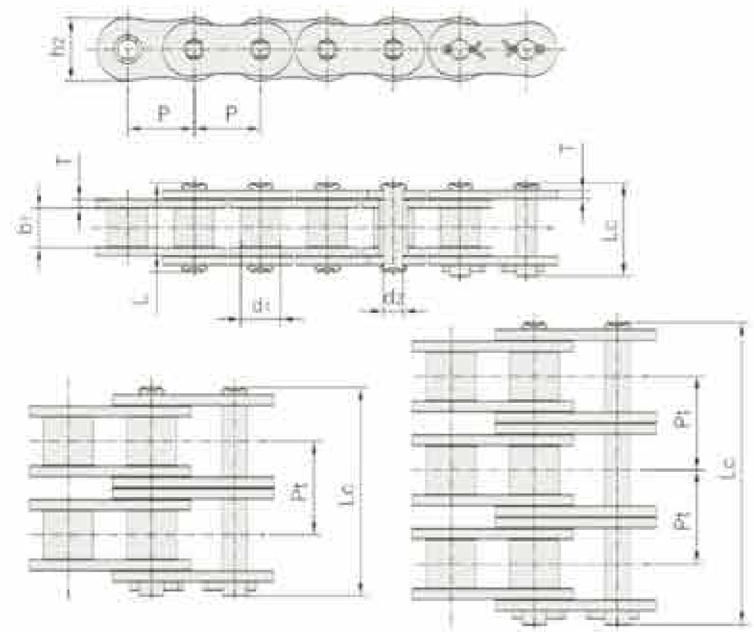

盐雾试验机
Mid-speed chain abrasion testing machine

SP系列高强度短节距滚子链
SP SERIES HEAVY DUTY SHORT PITCH ROLLER CHAINS



永利百合链号 UNIBER Chain No	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length		内链板高度 Inner plate depth	链板厚度 Plate thickness	排距 Transverse pitch	极限拉伸载荷 Ultimate tensile strength	平均拉伸载荷 Average tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2 max	L max	Lc max	h_2 max	T	Pt max	Q min	Q_0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m
80SP-1	25.4	15.88	15.75	7.94	32.8	34.5	24	3.25		77.5	85.3	2.88
100SP-1	31.75	19.05	18.95	9.54	40	43.4	30.1	4		15.5	127	4.21
120SP-1	38.1	22.23	25.22	11.11	50.45	53.5	36.1	4.8	29.29	165	186	6.36
140SP-1	44.45	25.4	25.22	12.71	54.4	58.7	42.1	5.6	35.76	222.7	245	8.04
160SP-1	50.8	28.58	31.55	14.29	64.5	68.7	48.1	6.4	45.44	285.5	314	10.8
200SP-1	63.5	39.68	37.85	19.85	79.5	85.5	60	8	48.87	445.5	490	18
80SP-2	25.4	15.88	15.75	7.94	61.9	64.2	24	3.2	58.55	155	170.6	5.68
100SP-2	31.75	19.05	18.95	9.54	75.8	79.1	30.1	4	71.55	231	255	8.34
120SP-2	38.1	22.23	25.22	11.11	95.7	98.8	36.1	4.8	29.29	339	373	12.63
140SP-2	44.45	25.4	25.22	12.71	103.1	107.4	42.1	5.6	35.76	445.5	490	15.92
160SP-2	50.8	28.58	31.55	14.29	122.9	127.2	48.1	6.4	45.44	571	628	21.43
200SP-2	63.5	39.68	37.85	19.85	15	157	60	8	48.87	892	981	35
80SP-3	25.4	15.88	15.75	7.94	91.6	93.5	24	3.2	58.55	232.5	255.9	8.18
100SP-3	31.75	19.05	18.95	9.54	111.6	115	30.1	4	71.55	347.3	382	12.47
120SP-3	38.1	22.23	25.22	11.11	141	144.2	36.1	4.8		508	559	18.9
140SP-3	44.45	25.4	25.22	12.71	152.2	156.8	42.1	5.6		668	735	23.84
160SP-3	50.8	28.58	31.55	14.29	181.4	185.6	48.1	6.4		855.5	941	32.1
200SP-3	63.5	39.68	37.85	19.85	222.5	228.3	60	8		1336.4	1470	52.5

HSP系列高强度短节距滚子链
HSP SERIES HEAVY DUTY SHORT PITCH ROLLER CHAINS



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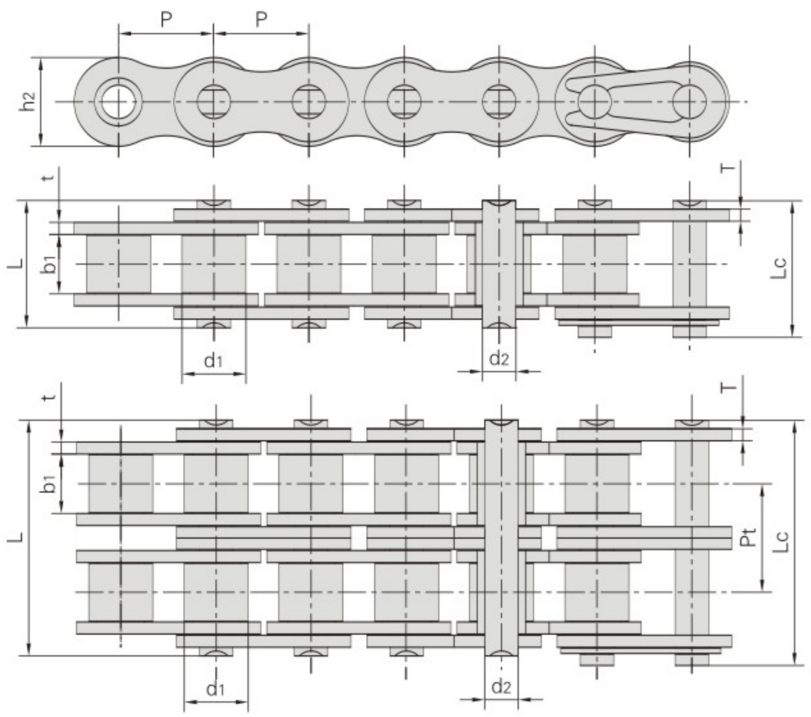
	P	d_1 max	b_1 min	d_2 max	L max	Lc max	h_2 max	T	Pt max	Q min	Q_0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m
80HSP-1	25.4	15.88	15.75	7.94	36.2	38.7	24	4		89.2	98.1	3.36
100HSP-1	31.75	19.05	18.95	9.54	43.6	46.8	30.1	4.8		131.8	145	4.9
120HSP-1	38.1	22.23	25.22	11.11	53.5	56.8	36.1	5.6		176	196	7.12
140HSP-1	44.45	25.4	25.22	12.71	57.5	62	42.1	6.4		231.9	255	8.88
160HSP-1	50.8	28.58	31.55	14.29	68.2	71.5	48.1	7.2		294.5	324	11.72
200HSP-1	63.5	39.68	37.85	19.85	86.6	93.2	60	9.5		543.6	598	19.8
80HSP-2	25.4	15.88	15.75	7.94	68.8	71.3	24	4	32.59	178.4	196.2	6.65
100HSP-2	31.75	19.05	18.95	9.54	82.7	85.9	30.1	4.8	39.09	263.6	290	9.71
120HSP-2	38.1	22.23	25.22	11.11	102.4	105.7	36.1	5.6	48.87	356.4	392	14.12
140HSP-2	44.45	25.4	25.22	12.71	109.8	114.4	42.1	6.4	52.2	463.6	510	17.38
160HSP-2	50.8	28.58	31.55	14.29	130.1	133.5	48.1	7.2	61.9	588	647	23
200HSP-2	63.5	39.68	37.85	19.85	164.9	151	60	9.5	78.31	1091	1200	38.5
80HSP-3	25.4	15.88	15.75	7.94	101.4	104.2	24	4	32.59	267.6	294.3	9.95
100HSP-3	31.75	19.05	18.95	9.54	121.8	125.1	30.1	4.8	39.09	395.4	435	14.53
120HSP-3	38.1	22.23	25.22	11.11	151.2	154.8	36.1	5.6	48.87	534.5	588	21.12
140HSP-3	44.45	25.4	25.22	12.71	162	166.8	42.1	6.4	52.02	695.5	765	25.88
160HSP-3	50.8	28.58	31.55	14.29	192	195.6	48.1	7.2	61.9	882.7	971	34.22
200HSP-3	63.5	39.68	37.85	19.85	243.2	250.1	60	9.5	78.31	1627.3	1790	57.29

自润滑链
SELF-LUBRICATION ROLLER CHAINS



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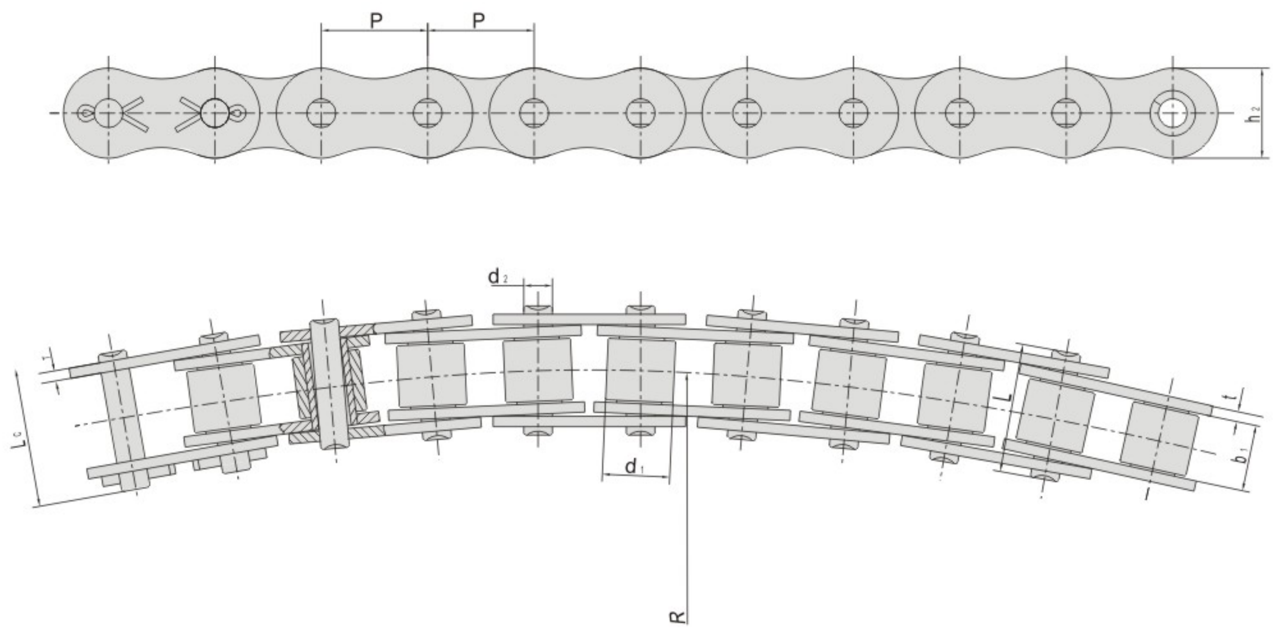
	P	d_1 max	b_1 min	d_2 max	L max	Lc max	h_2 max	t/T max	Pt	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
08BSLR	12.700	8.51	7.75	4.45	16.7	18.1	11.80	1.6		18.0	0.69
08BSLRF1	12.700	8.51	7.75	4.45	17.3	18.7	11.80	1.6		18.0	0.72
10BSLR	15.875	10.16	9.65	5.08	19.6	21	14.70	1.7		22.4	0.93
10BSLRF1	15.875	10.16	9.65	5.08	19.9	21.6	14.70	1.7		22.4	0.97
12BSLR	19.050	12.07	11.68	5.72	22.5	24	16.00	1.85		29.0	1.15
12BSLRF1	19.050	12.07	11.68	5.72	22.9	24.7	16.00	1.85		29.0	1.19
16BSLR	25.400	15.88	17.02	8.28	35.6	37.2	21.00	4.15/3.1		60.0	2.71
16BSLRF1	25.400	15.88	17.02	8.28	36.7	39.7	21.00	4.15/3.1		60.0	2.73
40SLR	12.700	7.95	7.85	3.96	16.3	17.8	12.00	1.5		14.1	0.62
50SLR	15.875	10.16	9.40	5.08	20.2	22.2	15.09	2.03		22.0	1.02
60SLR	19.050	11.91	12.57	5.94	25.9	27.5	18.00	2.42		34.2	1.59
80SLR	25.400	15.88	15.75	7.92	32.8	34.1	24.00	3.25		56.7	2.60
08BSLR–2	12.700	8.51	7.75	4.45	30.6	32	11.80	1.6	13.92	32.0	1.34
10BSLR–2	15.875	10.16	9.65	5.08	36.2	37.6	14.70	1.7	16.59	44.5	1.84
12BSLR–2	19.050	12.07	11.68	5.72	41.1	43.5	16.00	1.85	19.46	57.8	2.46
16BSLR–2	25.400	15.88	17.02	8.28	67.5	69.1	21.00	4.15/3.1	31.88	106.0	5.45
40SLR–2	12.700	7.95	7.85	3.96	31.0	32.2	12.00	1.5	14.38	28.2	1.12
50SLR–2	15.875	10.16	9.40	5.08	39	40.3	15.09	2.03	18.11	44.4	2.00
60SLR–2	19.050	11.91	12.57	5.94	48.8	50.3	18.00	2.42	22.78	68.4	3.14
80SLR–2	25.400	15.88	15.75	7.92	61.9	64.2	24.00	3.25	29.29	113.4	5.32

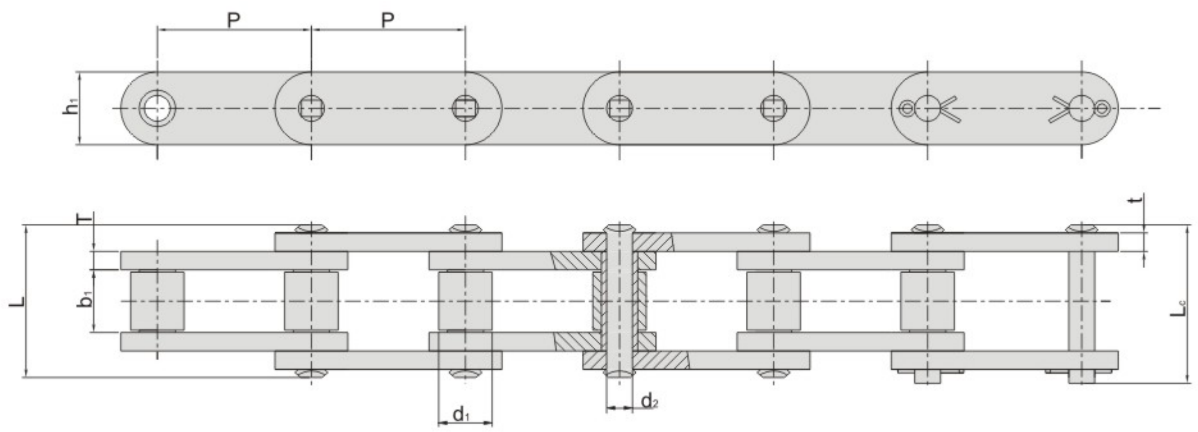
侧弯链
SIDE BOW CHAINS



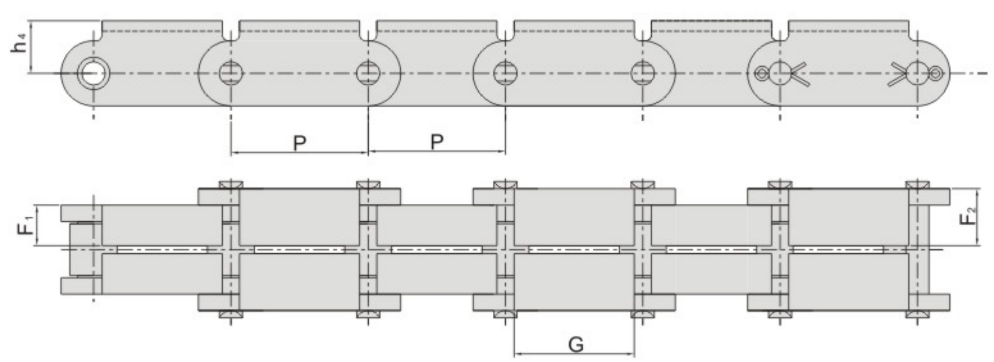
永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length		内链板高度 Inner plate depth	链板厚度 Plate thickness	侧弯半径 Radius side bow	极限拉伸载荷 Ultimate tensile strength	平均拉伸载荷 Average tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2 max	L max	L_c max	h_2 max	t/T max	R min	Q min	Q_o	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m
40SB	12.70	7.95	7.85	3.96	16.7	17.75	12.0	1.5	315	9.0	9.9	0.80
43SB	12.70	7.95	7.85	3.45	18.3	19.5	12.0	1.5	305	12.0	13.2	0.57
50SB	15.875	10.16	9.40	4.37	21.0	22.2	15.0	2.03	400	15.0	16.5	0.98
60SB	19.05	11.91	12.57	5.34	26.0	27.5	18.0	2.42	500	22.4	24.6	1.47
63SB	19.05	11.91	12.68	5.08	28.8	30.6	17.2	2.42/2.03	350	12.5	20.0	1.40
80SB	25.40	15.88	15.75	7.19	33.5	35.6	24.1	3.25	650	40.9	42.0	2.40
08BSB	12.70	8.51	7.75	3.97	17.4	18.7	11.8	1.6	400	11.2	12.3	0.71
08BSBY1	12.70	8.51	7.75	3.97	16.3	17.6	11.8	1.6/1.2	400	12.8	14.1	0.65
10BSB	15.875	10.16	9.65	4.50	20.1	21.5	14.7	1.7	400	15.0	16.5	0.93
12BSB	19.05	12.07	11.68	5.12	23.1	24.8	16.0	1.85	500	20.5	22.6	1.16
C2050SB	31.75	10.16	9.40	5.08	21.0	22.2	15.0	2.03	750	15.0	16.5	0.70

可根据用户要求生产镀铜、镀锌、镀镍、镀铬链条以及不锈钢链条。
Copper-plated、zinc-plated、nickle-plated and chrome-plated chain，and stainless steel chain.

木材输送链及附件
LUMBER CONVEYOR CHAIN & ATTACHMENTS

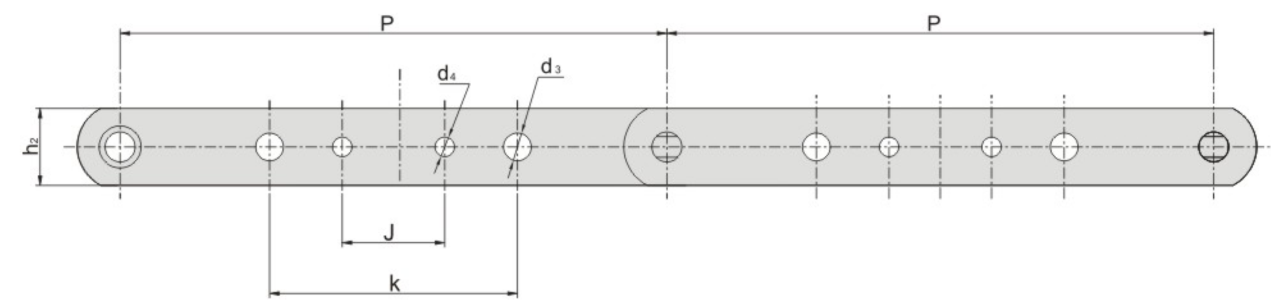


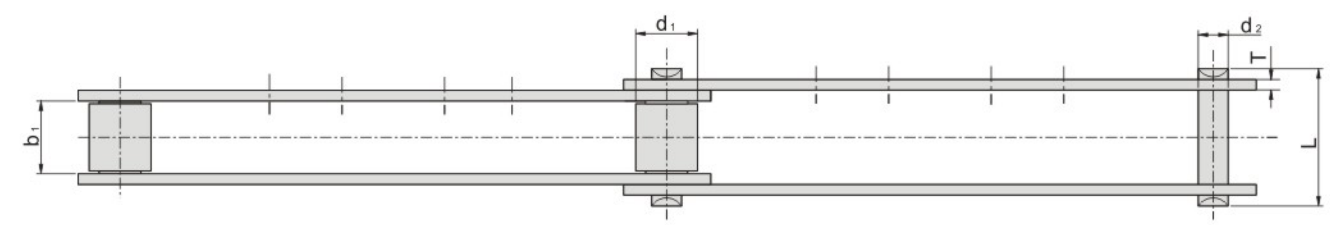
永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length		链板高度 Plate depth	链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength	平均拉伸载荷 Average tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2 max	L max	L_c max	h2 max	T/t	Q min	Q_o	q
	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m
81X	66.27	23.00	27.00	11.10	49.0	53.5	28.50	4.00	106.7	128.9	3.77
81XH	66.27	23.00	27.00	11.10	60.7	65.1	31.35	7.50/5.55	151.9	175.7	5.79
81XHH	66.27	23.00	27.78	11.10	65.6	70.0	31.35	7.50	191.1	212.6	6.43
81XHS	66.27	23.00	27.00	11.10	63.6	68.0	31.80	7.60	152.0	177.2	6.55
500R	50.00	25.40	25.40	14.63	52.0	56.4	40.00	5.00	100.0	114.5	7.13
441.100R	100.00	25.40	25.40	14.63	52.0	56.4	40.00	5.00	100.0	114.5	5.15



永利百合链号 UNIBear Chain No.	节 距 Pitch	附件尺寸 Attachment dimensions			
	P	F_1	F_2	G	h_4
	mm	mm	mm	mm	mm
81XRT	66.27	17.5	21.8	58.0	23.85

3939木材输送链及附件
3939 LUMBER CONVEYOR CHAIN & ATTACHMENTS

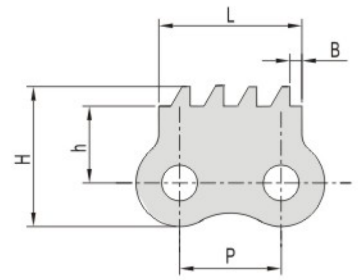




永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴尺寸 Pin dimenaions		链板尺寸 Plate dimenaions					链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength	平均拉伸载荷 Average tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2 max	L max	h_2 max	d_3 max	d_4 max	J max	K max	T max	Q min	Q_o	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m
3939-B4	203.2	23.00	27.00	11.1	49.0	28.58	7.2	7.2	38.1	101.6	4.0	115.58	136.5	2.45
3939-B21	203.2	23.00	27.00	11.1	49.0	28.58	7.2		38.1		4.0	115.58	136.5	2.45
3939-B23	203.2	23.00	27.00	11.1	49.0	28.58		10.3		92.1	4.0	115.58	136.5	2.45
3939-B24	203.2	23.00	27.00	11.1	49.0	28.58		7.2		101.6	4.0	115.58	136.5	2.48
3939-B40	203.2	23.00	27.00	11.1	49.0	28.58		10.3		101.6	4.0	115.58	136.5	2.45
3939-B43	203.2	23.00	27.00	11.1	49.0	28.58	7.2	10.3	38.1	92.1	4.0	115.58	136.5	2.42
3939-B44	203.2	23.00	27.00	11.1	49.0	28.58	7.2	10.3	38.1	101.6	4.0	115.58	136.5	2.45

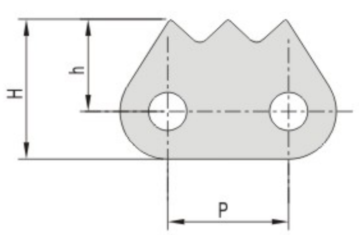
尖齿链
SHARP TOP CHAINS

永利百合链号 UNIBear Chain No.	P	h	H	B	L
	mm	mm	mm	mm	mm
08B-940	12.7	9.6	17.5	1.5	17.9

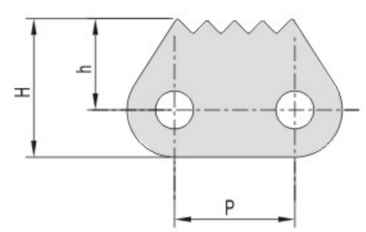


08B-940

永利百合链号 UNIBear Chain No.	P	h	H
	mm	mm	mm
16AJCL1	25.4	17.5	29.5
16AJCL2	25.4	17.5	29.5

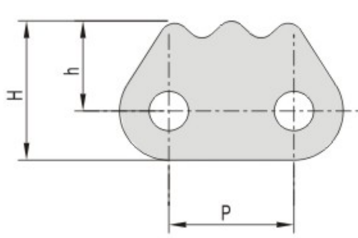


16AJCL1

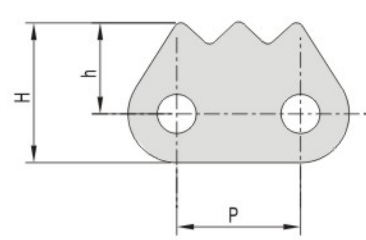


16AJCL2

永利百合链号 UNIBear Chain No.	P	h	H
	mm	mm	mm
C60JCL1	19.05	13.38	22.48
C60JCL-910	19.05	12.70	21.70

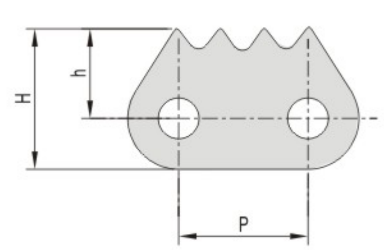


C60JCL1



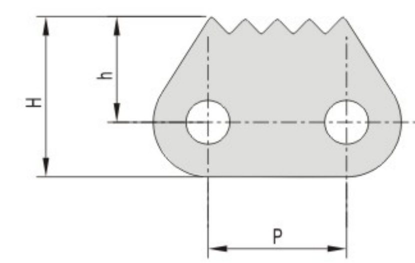
C60JCL-910

永利百合链号 UNIBear Chain No.	P	h	H
	mm	mm	mm
12BJCL1	19.05	13.50	21.50



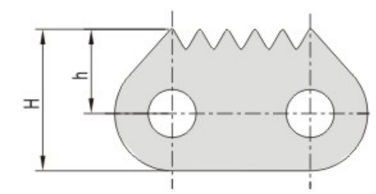
12BJCL1

尖齿链
SHARP TOP CHAINS



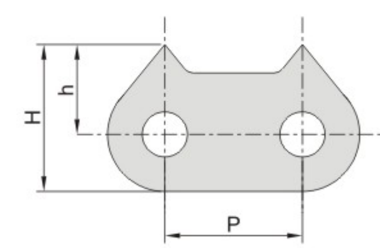
16BJCL3

永利百合链号 UNIBear Chain No .	P	h	H
	mm	mm	mm
16BJCL3	25.4	16.0	26.4



20BJCL1

永利百合链号 UNIBear Chain No .	P	h	H
	mm	mm	mm
20BJCL1	31.75	19.8	33

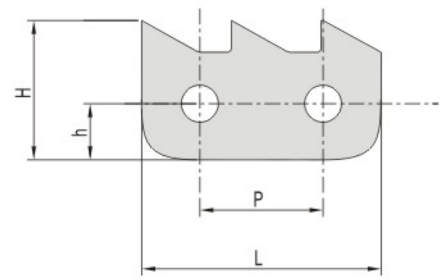


20B-1350

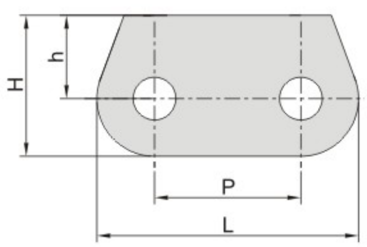
永利百合链号 UNIBear Chain No .	P	h	H
	mm	mm	mm
20B-1350	31.75	19.8	33

尖齿链
SHARP TOP CHAINS

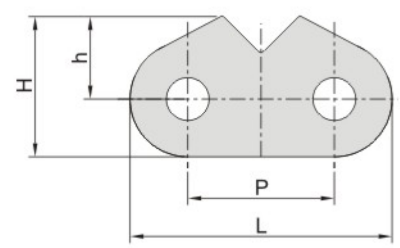
永利百合链号 UNIBear Chain No.	P	L	h	H
	mm	mm	mm	mm
20A-JCL1	31.75	57.2	14.75	35.84



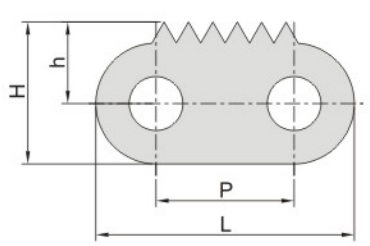
20AJCL1



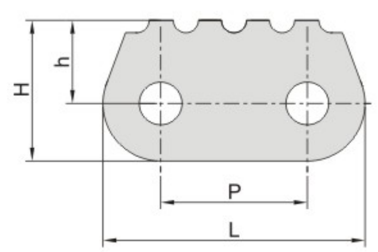
24B-1805



24B-1807



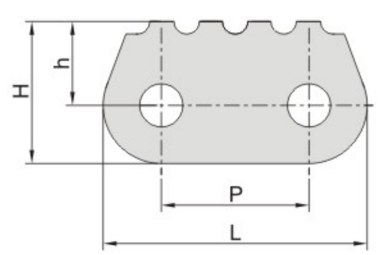
C24B-1820



24B-1809

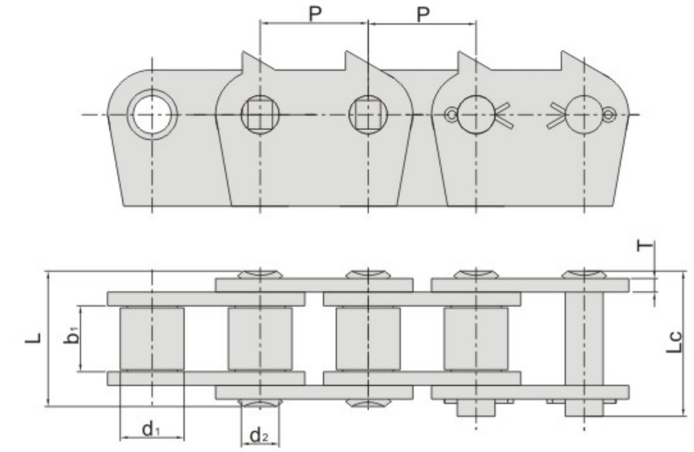
永利百合链号 UNIBear Chain No.	P	L	h	H
	mm	mm	mm	mm
24B-1805	38.1	73.1	21.0	38.5
24B-1807	38.1	73.1	25.5	43.0
24B-1809	38.1	73.1	21.0	38.5
C24B-1820	38.1	73.1	21.0	38.5

永利百合链号 UNIBear Chain No.	P	L	h	H
	mm	mm	mm	mm
120-1802	38.1	73.1	21.0	38.5

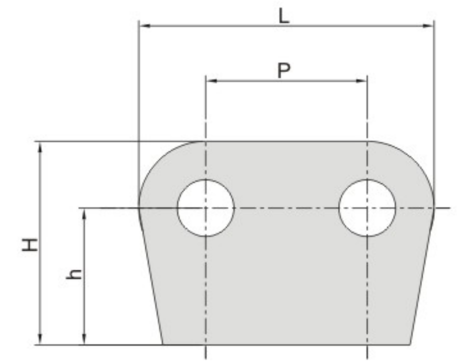


120-1802

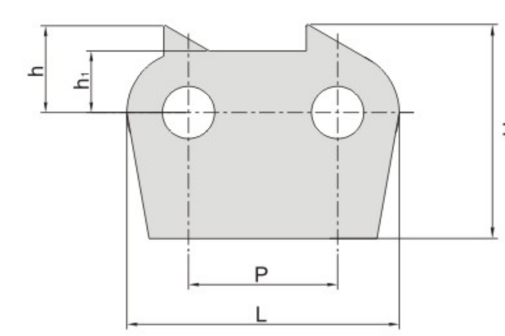
尖齿链
SHARP TOP CHAINS



永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between Inner plates	销轴直径 Pin diameter	销轴长度 Pin length		链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2 max	L max	Lc max	T	Q min	q
	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
32B-1-1872	50.8	29.21	33.0	17.81	66.0	71.0	6.0	250.0	13.54



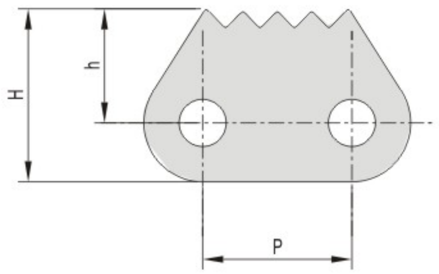
32B-1872



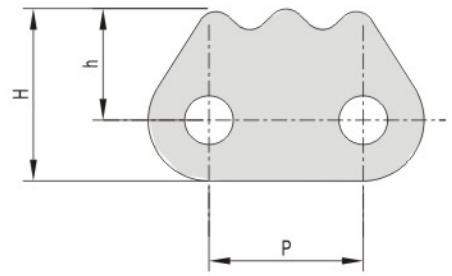
32B-1874

永利百合链号 UNIBear Chain No.	P	L	h	h	H
	mm	mm	mm	mm	mm
32B-1872	50.8	92.8		43.0	64.0
32B-1874	50.8	92.8	21.0	30.0	73.0

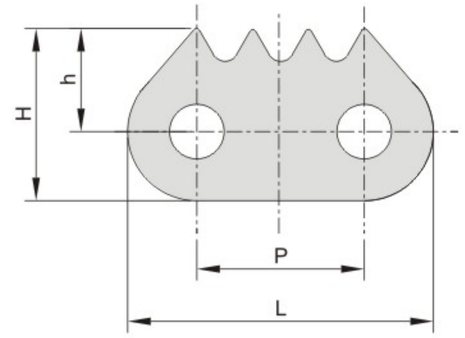
尖齿链
SHARP TOP CHAINS



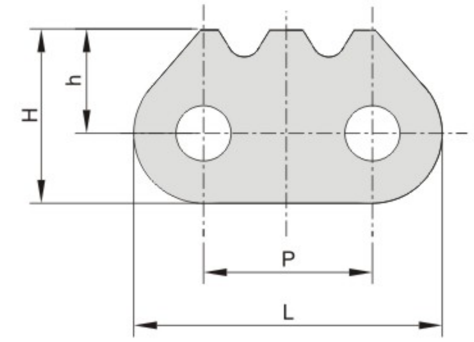
C16BJCL1



C16BJCL2

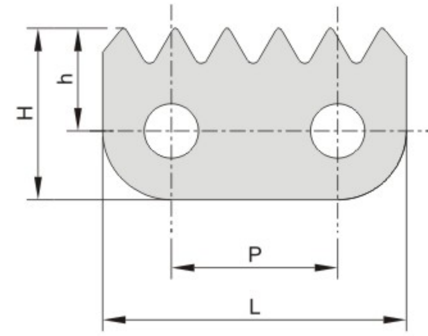


16B-1170



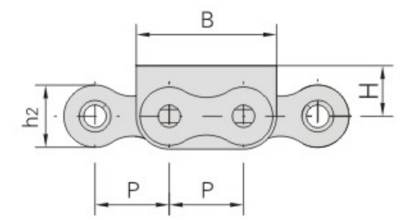
16B-1180

永利百合链号 UNIBear Chain No.	P	L	h	H
	mm	mm	mm	mm
C16BJCL1	25.4		18.7	29.2
C16BJCL2	25.4		18.7	29.2
16B-1170	25.4	46.1	16.0	26.5
16B-1180	25.4	46	12.2	22.5
16B-1185	25.4	46.0	16.0	26.5

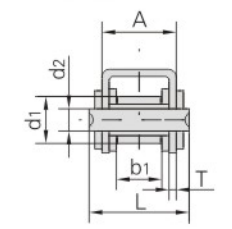


16B-1185

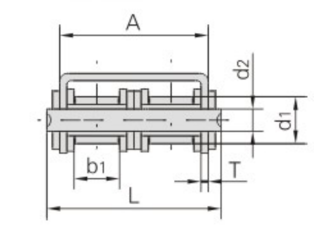
带U型附件输送链
ROLLER CHAIN WITH U TYPE ATTACHMENTS



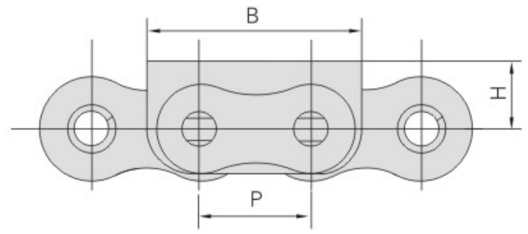
带U1附件
With U1 attachment

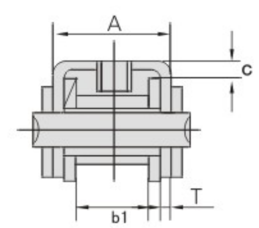


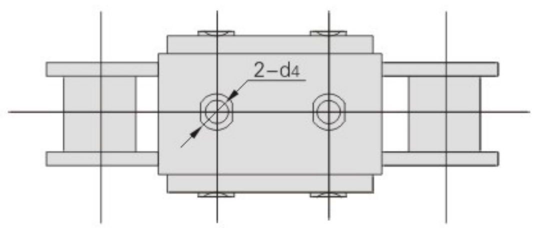
带U2附件
With U2 attachment



永利百合链号 UNIBER Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length	链板、附板尺寸 Plate and attachment dimension				极限拉伸载荷 Ultimate tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2 max	L max	h_2 max	A	B	H	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
08B–U1	12.700	8.51	7.75	4.45	20.0	11.8	14.60	24.2	8.3	18.0	1.13
08B–U2	12.700	8.51	7.75	4.45	34.6	11.8	28.40	24.2	8.3	32.0	1.96
10B–U1	15.875	10.16	9.65	5.08	23.4	14.7	16.80	30.0	11.3	19.0	1.53
10B–U2	15.875	10.16	9.65	5.08	40.0	14.7	33.30	30.0	11.3	44.5	2.47
12B–U1	19.050	12.07	11.68	5.72	25.7	16.1	19.60	36.0	13.0	29.0	1.90
12B–U2	19.050	12.07	11.68	5.72	45.5	16.1	39.10	36.0	12.0	57.8	3.03
16A–U1	25.400	15.88	15.75	7.92	37.2	24.0	27.50	46.0	16.0	42.0	3.87
16B–U1	25.400	15.88	17.02	8.28	39.7	21.0	29.05	49.0	15.4	58.0	3.73
16B–U2	25.400	15.88	17.02	8.28	71.7	21.0	60.93	49.0	16.2	106.0	6.15

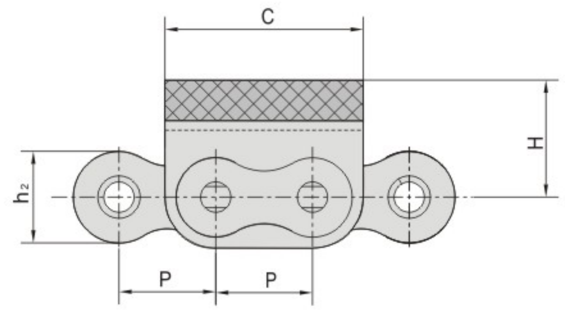


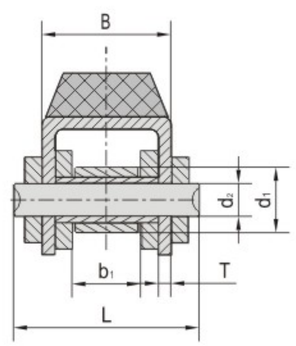




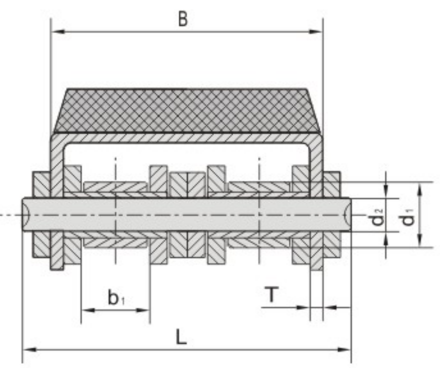
永利百合链号 UNIBER Chain No.	P	b1	A	B	C	H	T	d4
	mm	mm	mm	mm	mm	mm	mm	mm
16A–U1F1	25.40	15.75	27.3	49.5	4.2	16.5	2.2	M6

顶面橡胶滚子链附件
ROLLER CHAIN ATTACHMENTS WITH ELASTOMER PROFILES





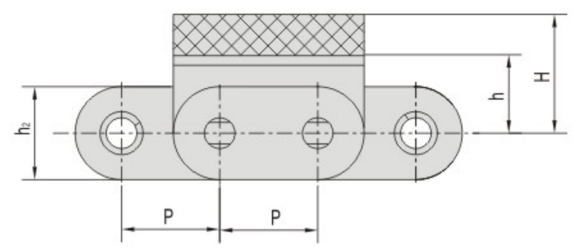
带 G1 附件
With G1 profile



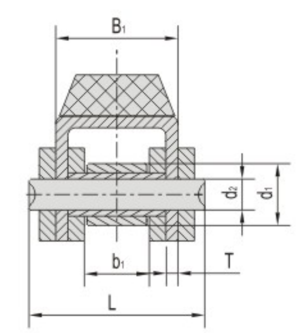
带 G2 附件
With G2 profile

永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length	链板、附件尺寸 Plate and attachment dimensions					极限拉伸载荷 Ultimate tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2	L_1 max	h_2	B	C	H	T	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN/LB	kg/m
08B-G1	12.70	8.51	7.75	4.45	20.0	11.8	14.6	24.2	12.3	1.60	18.0	1.19
08B-G2	12.70	8.51	7.75	4.45	34.3	11.8	28.4	24.2	12.3	1.50	32.0	2.07
10B-G1	15.875	10.16	9.65	5.08	23.2	14.7	16.8	30.0	17.0	1.70	22.4	1.62
10B-G2	15.875	10.16	9.65	5.08	39.7	14.7	33.3	30.0	17.0	1.70	44.5	2.56
12B-G1	19.05	12.07	11.68	5.72	25.7	16.0	19.6	36.0	21.0	1.85	29.0	2.01
12B-G2	19.05	12.07	11.68	5.72	45.3	16.0	39.1	36.0	16.0	1.85	57.8	3.21
16A-G1	25.40	15.88	15.75	7.92	37.2	24.0	27.5	46.0	20.0	2.42	42.0	3.97
16B-G1	25.4	15.88	15.75	7.92	37.2	24.0	29.05	49	21.4	1.60	58.0	3.83
20B-G1	31.75	19.05	19.56	10.19	48.0	26.4	36.0	57.0	27.0	3.50	66.5	6.19
24B-G1	38.10	25.04	25.40	14.63	61.6	33.3	47.0	72.6	34.0	4.50	112.0	11.85

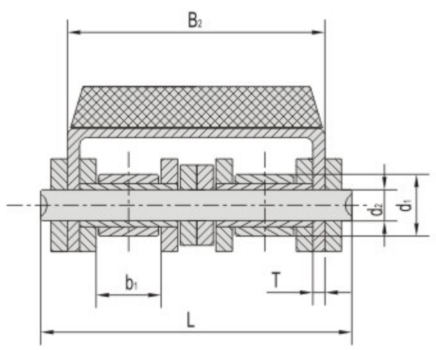
顶面橡胶滚子链附件
ROLLER CHAIN ATTACHMENTS WITH ELASTOMER PROFILES



带 G1 附件
With G1 profile

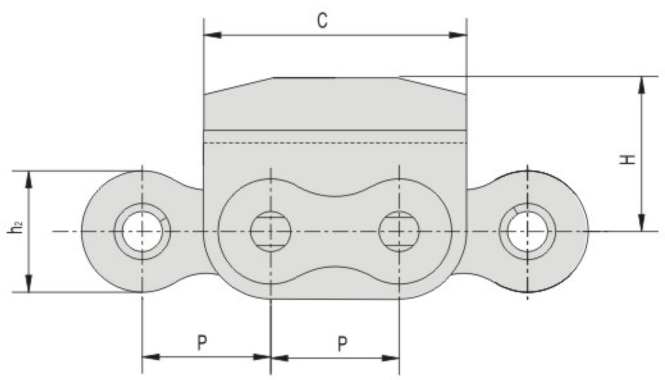


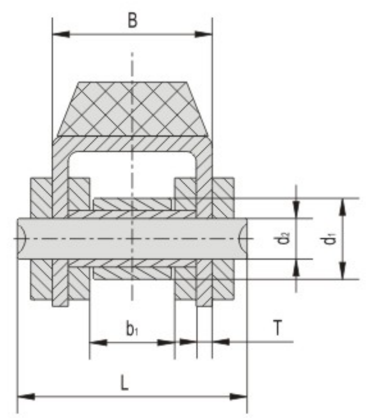
带 G2 附件
With G2 profile



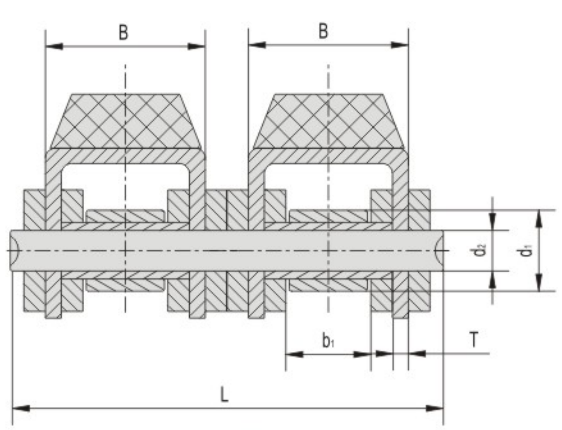
永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length	链板、附件尺寸 Plate and attachment dimensions					极限拉伸载荷 Ultimate tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2	L max	h_2 max	B	C	H	T	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
C08B-G1	12.70	8.51	7.75	4.45	20.0	11.8	14.6	24.2	12.3	1.60	18.0	1.30
C08B-G2	12.70	8.51	7.75	4.45	34.3	11.8	28.4	24.2	12.3	1.50	32.0	2.29
C10B-G1	15.875	10.16	9.65	5.08	23.2	14.7	16.8	30.0	17.0	1.60	19.0	1.75
C10B-G2	15.875	10.16	9.65	5.08	39.7	14.7	33.3	30.0	17.0	1.50	44.5	2.95
C12B-G1	19.05	12.07	11.68	5.72	25.7	16.0	19.6	36.0	21.0	1.85	29.0	2.15
C12B-G2	19.05	12.07	11.68	5.72	45.3	16.0	39.1	36.0	16.0	1.85	57.8	3.48
C16A-G1	25.40	15.88	15.75	7.92	37.2	24.0	27.5	46.0	20.0	2.42	42.0	4.34
C16B-G1	25.40	15.88	17.02	8.28	39.7	21.0	29.05	49.0	21.4	1.60	58.0	4.11
C20B-G1	31.75	19.05	19.56	10.19	48.0	26.4	36.0	57.0	27.0	3.50	85.0	6.65
C24B-G1	38.10	25.04	25.40	14.63	61.6	33.2	47.0	72.6	34.0	4.50	160.0	11.25

顶面橡胶输送链
RUBBER CONVEYOR CHAINS

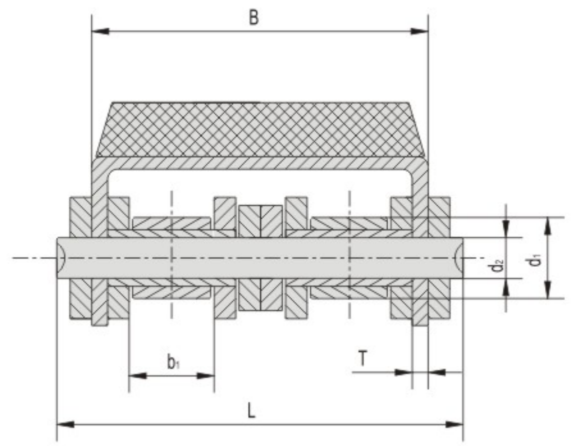




24B-G1N1



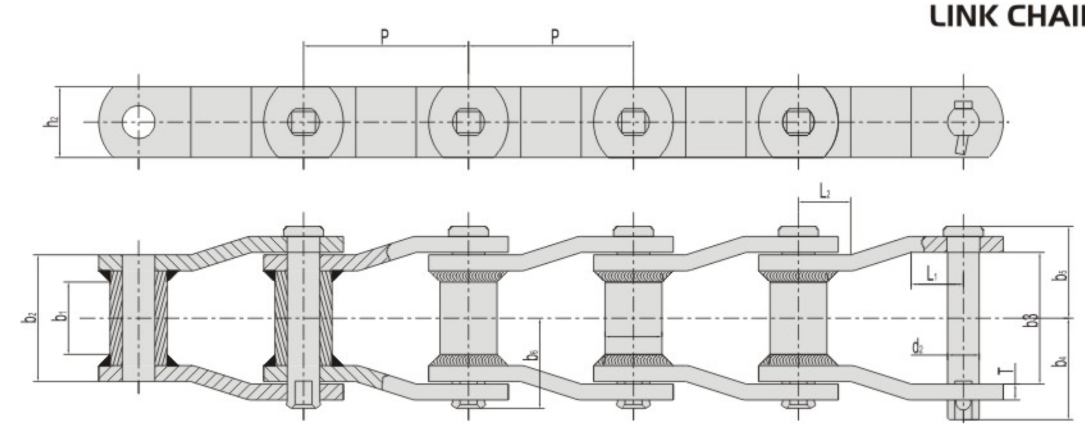
16A-G2N3
16A-G2N4



08B-G2N1

永利百合链号 UNIBear Chain No.	P	B	C	H	T
	mm	mm	mm	mm	mm
08B-G2N1	12.7	28.4	24.2	12.0	1.5
16AG2N2	25.4	27.5	49.0	21.4	2.42
16AG2N4	25.4	27.0	49.2	20.0	2.03
24BG1N1	38.1	47.0	72.6	34.0	4.5

钢制焊接弯板链
WELDED STEEL TYPE CRANKED LINK CHAINS

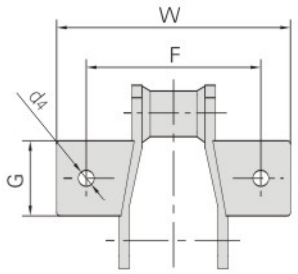


永利百合链号 UNIBear Chain No.	节距 Pitch	套筒外径 Bush diameter	链节小端内宽 Inner width of small side	销轴直径 Pin diameter	套筒内径 Bush inner diameter	链板高度 Plate thickness	链板弯部尺寸 Crach point dimension	
	P	d_1 max	b_1 min	d_2 max	d3 max	h2 max	L_1 min	L_2 min
	mm	mm	mm	mm	mm	mm	mm	mm
W78	66.27	22.9	28.4	12.78	12.90	28.4	17.0	17.0
W82	78.1	31.5	31.8	14.35	14.48	31.8	19.8	21.1
W106	152.4	37.1	41.2	19.13	19.25	38.1	26.7	27.2
W110	152.4	32.0	46.7	19.13	19.25	38.1	26.7	27.2
W111	120.9	37.1	57.2	19.13	19.25	38.1	26.7	27.2
W124	101.6	37.1	41.2	19.13	19.25	38.1	26.7	27.2
W124H	103.2	41.7	41.2	22.30	22.43	50.8	28.2	30.5
W132	153.67	44.7	76.2	25.48	25.60	50.8	30.0	30.5

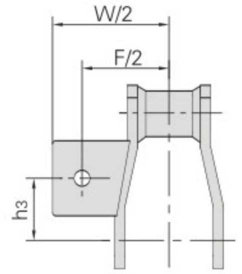
永利百合链号 UNIBear Chain No.	链节小端外宽 Outer width of small side	链节大端内宽 Inner width of big side	销轴锁止端至中线距离 Distance between pin lach end and middleline	销轴头端至中线距离 Distance between pin top end and middleline	销轴铆端至中线距离 Distance between rivet end and middleline	链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength	
	b_2 max	b_3 min	b_4 max	b_5 max	b_6 max	T	Q(min) kN	
	mm	mm	mm	mm	mm	mm	销轴热处理 Pin heat treatment	全部热处理 All parts heat treatment
W78	51.0	51.6	45.2	39.6	42.7	6.4	93.4	106.8
W82	57.4	57.9	48.3	41.7	45.2	6.4	100.1	131.2
W106	71.6	72.1	62.2	56.4	59.4	9.7	169.0	224.6
W110	76.5	77.0	62.2	54.9	59.4	9.7	169.0	224.6
W111	85.9	86.4	69.8	63.5	64.3	9.7	169.0	224.6
W124	71.6	72.1	62.0	56.4	59.4	9.7	169.0	224.6
W124H	76.5	77.0	70.6	62.5	65.8	12.7	275.8	355.9
W132	111.8	112.3	88.1	79.2	83.3	12.7	275.8	378.1

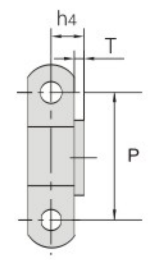
焊接弯板链附件
WELDED STEEL CHAIN WITH ATTACHMENTS

带K1附板 With K1 attachments



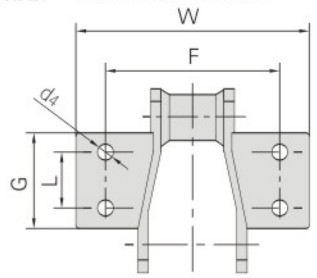
带A1附板 With A1 attachments



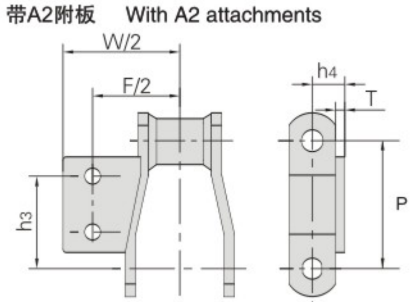


永利百合链号 UNIBER Chain No.	P	h3	G	F	W	h4	d4	T
	mm	mm	mm	mm	mm	mm	mm	mm
W78	66.27	31.8	36.6	101.6	130.0	22.4	9.7	6.4
W82	78.1	38.1	46.0	106.7	142.8	23.9	9.7	6.4

带K2附板 With K2 attachments



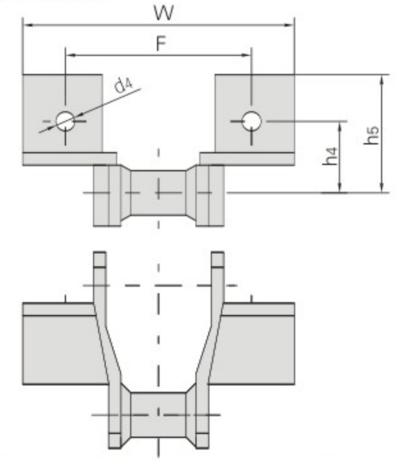
带A2附板 With A2 attachments

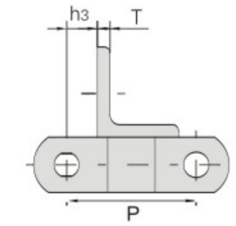


永利百合链号 UNIBER Chain No.	p	L	G	h3	F	W	h4	d4	T
	mm	mm	mm	mm	mm	mm	mm	mm	mm
W 78	66.27	28.4	52.3	38.9	101.6	130.0	22.4	9.7	6.4
W 82	78.1	33.3	62.0	52.3	108.2	142.7	23.9	9.7	6.4
W 110	152.4	44.4	84.1	98.6	135.1	168.1	30.0	9.7	9.7
W 111	120.9	58.7	90.4	89.9	159.0	193.5	30.0	12.7	9.7
W 124	101.6	49.3	77.7	71.4	133.6	180.8	30.0	9.7	9.7
W 124H	103.2	49.3	80.8	73.2	133.6	165.6	39.6	12.7	12.7
W 132	153.67	69.8	80.8	106.2	190.5	234.7	39.6	12.7	12.7

焊接弯板链附件
WELDED STEEL CHAIN WITH ATTACHMENTS

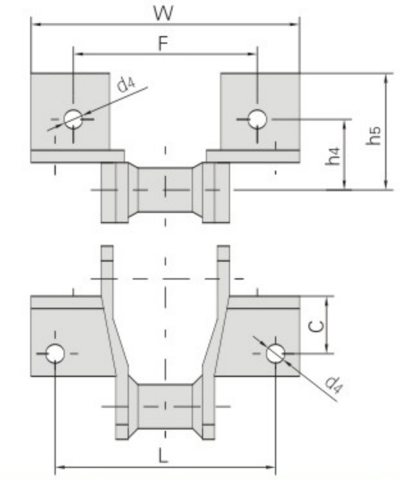
带F2附件 With F2 attachments

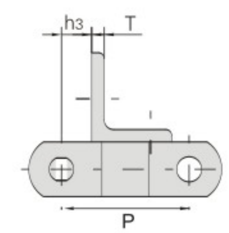




永利百合链号 UNIBER Chain No.	p	h3	h4	h5	F	W	d4	T
	mm	mm	mm	mm	mm	mm	mm	mm
W78	66.27	15.7	36.6	60.5	95.5	138.2	9.7	6.4

带F4附件 With F4 attachments

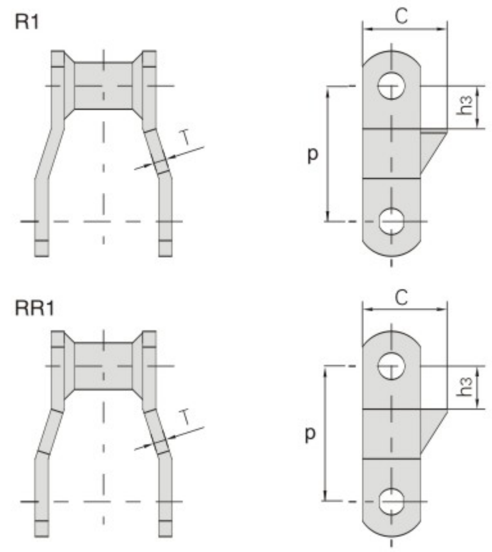




永利百合链号 UNIBER Chain No.	P	h3	h4	h5	L	C	F	W	d4	T
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
W78	66.27	17.3	44.4	60.5	114.3	31.8	95.2	141.2	9.7	6.4
W82	78.1	20.6	46.2	62.0	127.0	28.4	104.6	150.9	9.7	6.4
W124	101.6	22.4	52.3	73.2	133.6	36.6	111.3	157.0	9.7	9.7

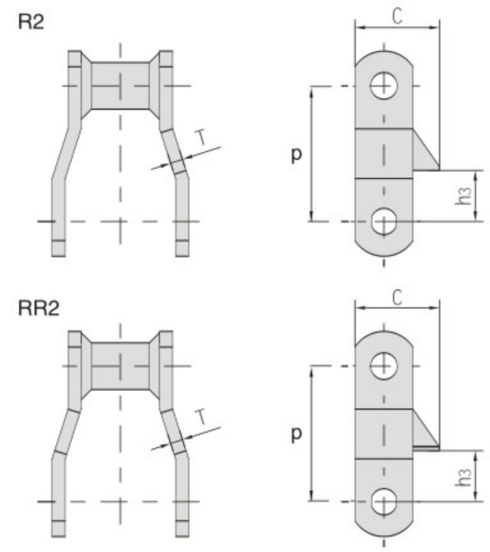
焊接弯板链附件
WELDED STEEL CHAIN WITH ATTACHMENTS

带R1＆RR1附件　With R1 & RR1 attachments



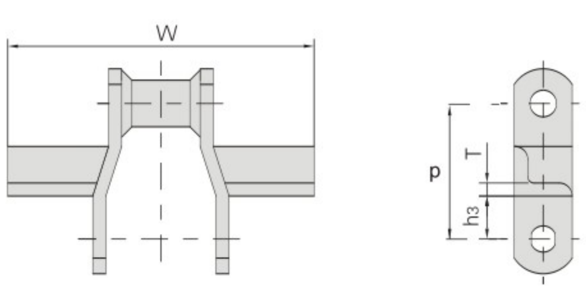
永利百合链号 UNIBER Chain No.	p	h3	C	T
	mm	mm	mm	mm
W78	66.27	17.3	41.1	6.4
W82	78.1	22.4	49.3	6.4
W124	101.6	31.8	49.3	9.7

带R2＆RR2附件　With R2 & RR2 attachments



永利百合链号 UNIBER Chain No.	p	h3	C	T
	mm	mm	mm	mm
W78	66.27	17.3	41.1	6.4
W82	78.1	22.4	49.3	6.4
W124	101.6	31.8	49.3	9.7

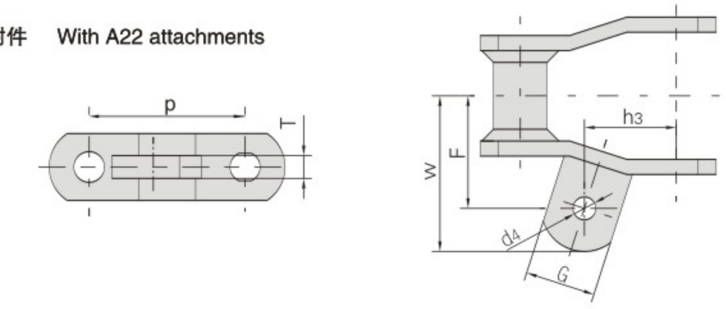
带W1附件　With W1 attachments



永利百合链号 UNIBER Chain No.	p	h3	W	T
	mm	mm	mm	mm
W78	66.27	19.1	153.9	6.4
W82	78.1	23.9	166.6	6.4
W124	101.6	30.0	217.4	6.4
W124H	103.2	35.1	217.4	9.7
W132	101.6	38.1	316.0	9.7

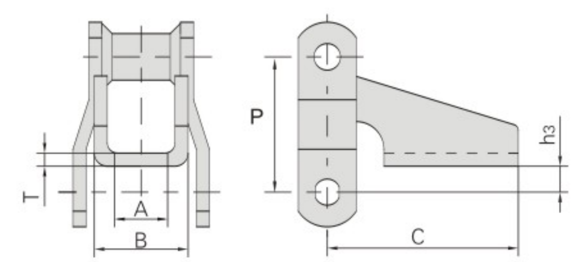
焊接弯板链附件
WELDED STEEL CHAIN WITH ATTACHMENTS

带A22附件　With A22 attachments



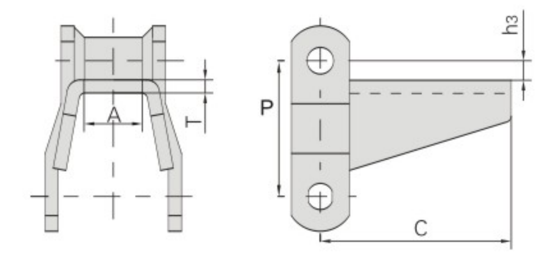
永利百合链号 UNIBER Chain No.	P	h3	G	F	W	d4	T
	mm	mm	mm	mm	mm	mm	mm
W78	66.27	33.3	30	47.8	65	9.7	9.7

H1附件　With H1 attachments



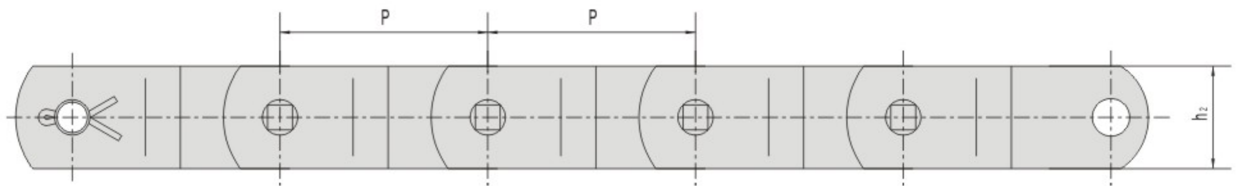
永利链号 UNIBER Chain No.	P	h3	A	B	C	T
	mm	mm	mm	mm	mm	mm
W78	66.27	12.7	22.4	50.8	93.5	6.4
W82	78.1	15.7	28.4	57.2	93.5	6.4

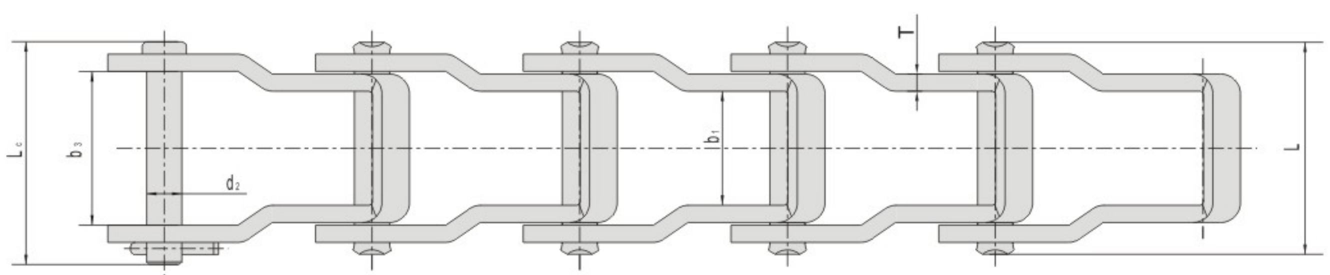
H2附件　With H2 attachments



永利链号 UNIBER Chain No.	P	h3	A	C	T
	mm	mm	mm	mm	mm
W78	66.27	7.9	20.8	93.5	6.4
W82	78.1	7.9	26.4	96.8	6.4

钢制销合链
STEEL PINTLE CHAINS

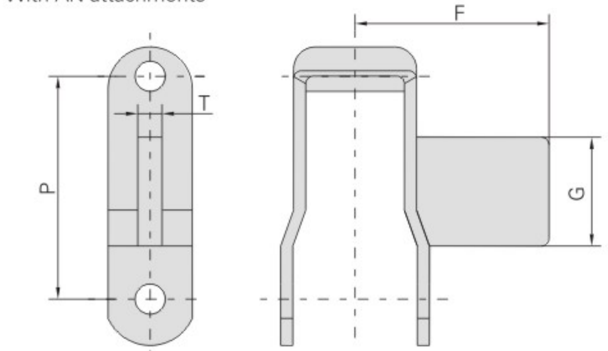




永利百合链号 UNIBear Chain No.	节距 Pitch	弯链板尺寸 Curve plate dimensions					销轴尺寸 Pin dimensions		极限拉伸载荷 Ultimate tensile strength	每米长重 Weight per meter
	P	b_3	b_1	h_2	T	d_2	L	Lc	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
662	42.27	30.5	23.2	18.3	3.2	7.14	41.3	41.5	37.80	1.63
667X	57.15	36.5	27.0	23.8	4.3	11.1	50.0	53.5	66.70	2.88
667H	58.75	32.9	25.6	22.23	3.2	7.92	43.7	40.5	42.26	1.87
667J	57.15	36.5	27.0	23.8	4.3	9.52	50.0	53.0	62.28	2.75
665K	57.15	38.7	27.4	27.4	5.1	11.1	55.5	60.0	88.90	3.91
88K	66.27	39.2	27.8	26.8	5.1	11.1	55.5	58.0	88.90	3.57

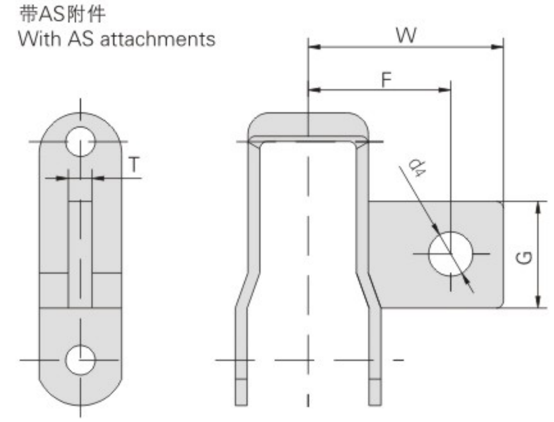
钢制销合链附件
STEEL PINTLE CHAIN ATTACHMENTS

带AN附件
With AN attachments



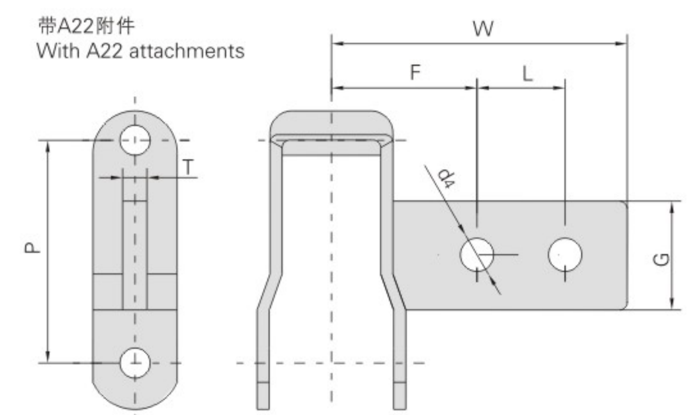
永利百合链号 UNIBER Chain No.	P	G	F	T
	mm	mm	mm	mm
662	42.27	24.2	47.6	4.3
667H	58.75	29.7	69.0	6.4
667X	57.15	29.7	68.3	7.9
665K	57.15	32.5	68.3	9.5
88K	66.27	32.5	68.3	9.5

带AS附件
With AS attachments



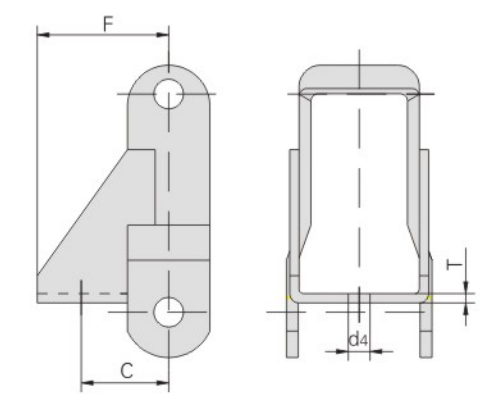
永利百合链号 UNIBER Chain No.	P	G	F	W	d_4	T
	mm	mm	mm	mm	mm	mm
662	42.27	24.2	35.9	48.4	6.75	4.3
667H	58.75	29.7	51.6	66.6	8.33	6.4
667X	57.15	29.7	51.6	69.0	8.33	7.9
665K	57.15	32.5	51.6	72.2	9.92	9.5
88K	66.27	32.5	51.6	72.2	9.92	9.5

带A22附件
With A22 attachments



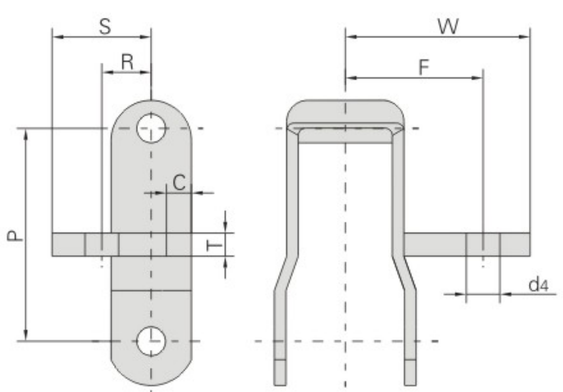
永利百合链号 UNIBER Chain No.	P	G	F	L	W	d_4	T
	mm	mm	mm	mm	mm	mm	mm
662	42.27	24.2	34.9	15.9	60.3	6.75	4.3
88C	66.27	32.5	54.0	63.5	136.5	9.92	9.5
88K	66.27	32.5	54.0	63.5	136.5	9.92	9.5

带C1附件
With C1 attachments

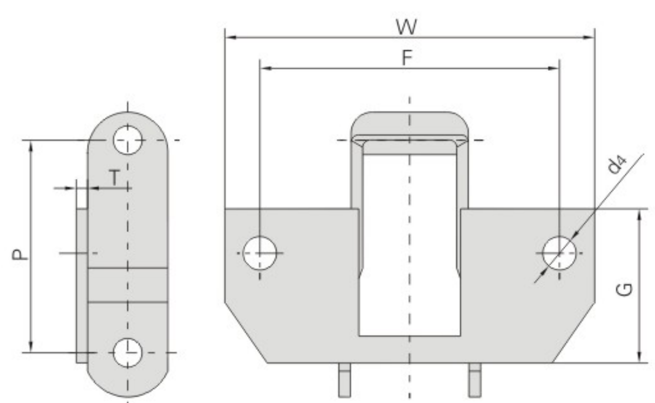


永利百合链号 UNIBER Chain No.	P	C	F	d_4	T
	mm	mm	mm	mm	mm
662	42.27	22.9	37.2	7.00	2.8
667H	58.75	25.4	38.9	7.00	4.8
667X	57.15	29.5	39.7	7.00	4.8

钢制销合链附件
STEEL PINTLE CHAIN ATTACHMENTS

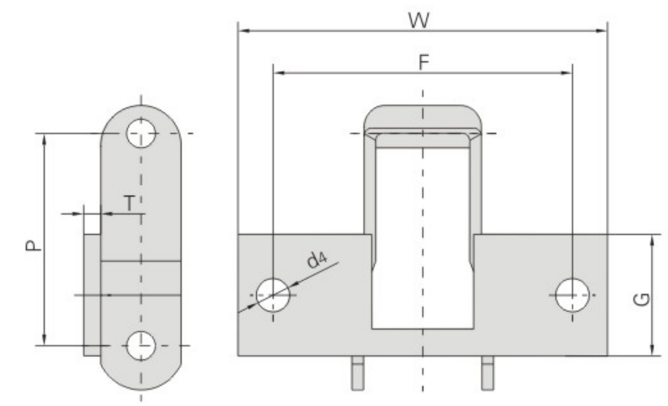


永利百合链号 Chain No.	附件名称 Attachment No.	P	R	S	F	W	d4	T	C
		mm	mm	mm	mm	mm	mm	mm	mm
662	G28	42.27	20.6	33.3	31.8	43.7	6.75	6.4	4.8
662	G30	42.27	19.1	33.3	33.3	48.0	8.33	6.4	4.8
662	G30S	42.27	19.1	33.3	33.3	48.0	8.73	6.4	4.8
667H	G27S	58.75	19.1	31.8	51.6	65.9	9.92	6.4	6.4

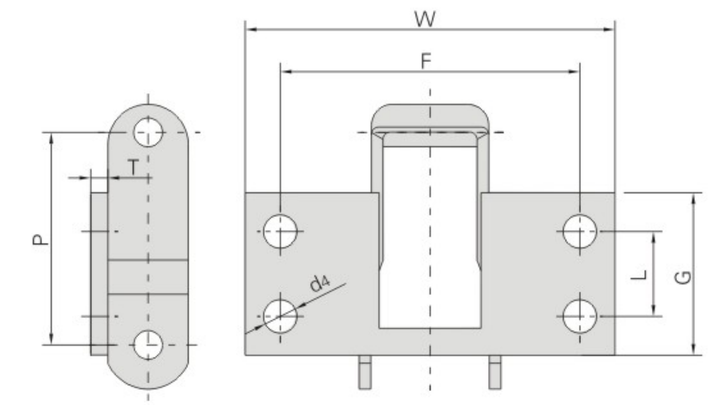


永利百合链号 Chain No.	附件名称 Attachment No.	P	G	F	W	d4	T
		mm	mm	mm	mm	mm	mm
662	K1	42.27	34.9	62.7	82.6	6.75	3.2
662	K19	42.27	34.9	50.8	71.4	6.75	3.2
667X	K1	57.15	34.9	62.7	82.6	6.75	3.2
667H	K1	58.75	34.9	62.7	82.6	6.75	3.2

钢制销合链附件
STEEL PINTLE CHAIN ATTACHMENTS

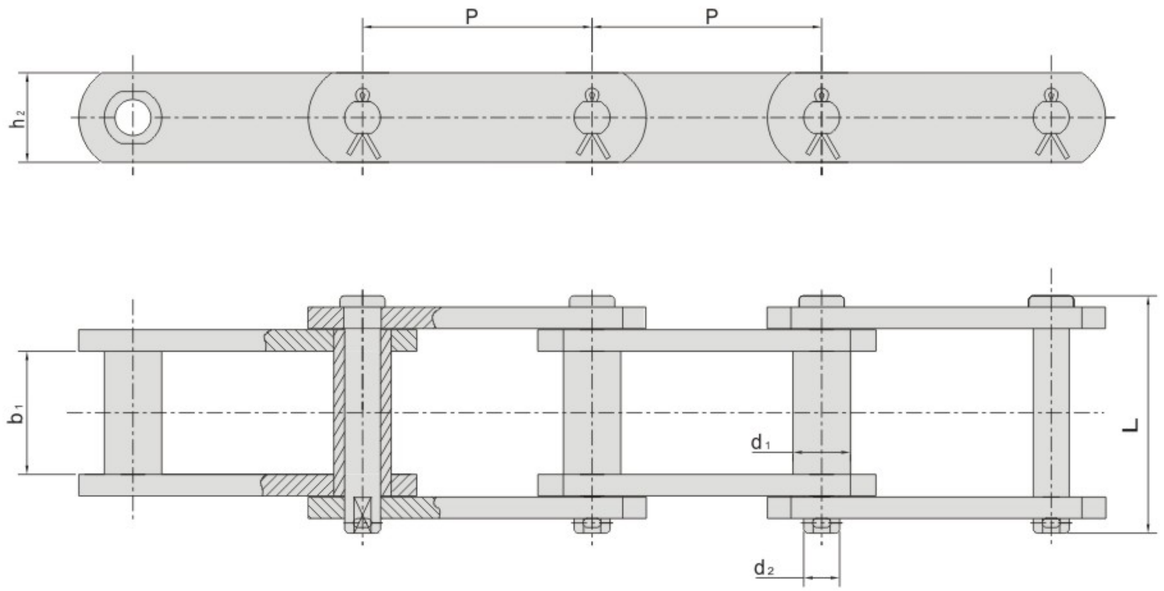


永利百合链号 UNIBER Chain No.	附件名称 Attachment No.	P	G	F	W	d4	T
		mm	mm	mm	mm	mm	mm
88K	K1C	66.27	47.6	95.3	127.0	9.92	4.8
88K	K1M	66.27	47.6	101.6	127.0	9.92	4.8
88K	K1P	66.27	47.6	96.8	127.0	9.92	4.8



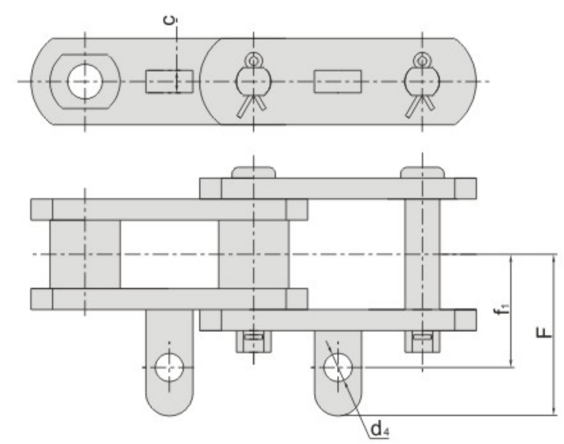
永利百合链号 UNIBER Chain No.	附件名称 Attachment No.	P	L	G	F	W	d4	T
		mm	mm	mm	mm	mm	mm	mm
88K	K2C	66.27	31.8	57.2	106.4	127.0	9.92	4.8
88K	K2M	66.27	31.8	57.2	101.6	127.0	9.92	4.8
88K	K2P	66.27	31.8	57.2	92.0	127.0	9.92	4.8

工程用钢制套筒链
ENGINEERING STEEL BUSHING CHAINS



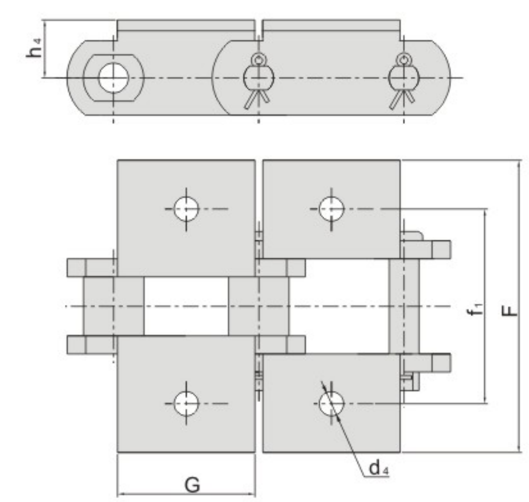
永利百合链号 UNIBear Chain No.	节距 Pitch	内节内宽 Width between inner plates	套筒直径 Bush diameter	销轴直径 Pin diameter	销轴长度 Pin length	链板高度 Plate depth	链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength
	P	b_1 min	d_1 max	d_2 max	L max	h_2 max	T	Q min
	mm	mm	mm	mm	mm	mm	mm	KN
S102B	101.60	51.3	25.4	15.88	111.3	39.6	9.7	160
S110	152.40	51.3	32.5	15.88	111.3	39.6	9.7	160
S111	120.90	63.2	36.6	19.05	130.2	52.3	9.7	214
S131	78.11	31.7	32.5	15.88	90.5	39.6	9.7	160
S150	153.67	80.0	44.7	25.4	164.3	66.6	12.7	378
S188	66.27	25.6	22.4	12.7	68.6	30.0	6.4	102

工程用钢制套筒链附件
ENGINEERING STEEL BUSHING CHAIN ATTACHMENTS



A22型附件 A22 type attachments

永利百合链号 UNIBear Chain No.	f_1	F	c	d_4
		max	max	min
	mm	mm	mm	mm
S188	45.2	61.2	10.4	10.5

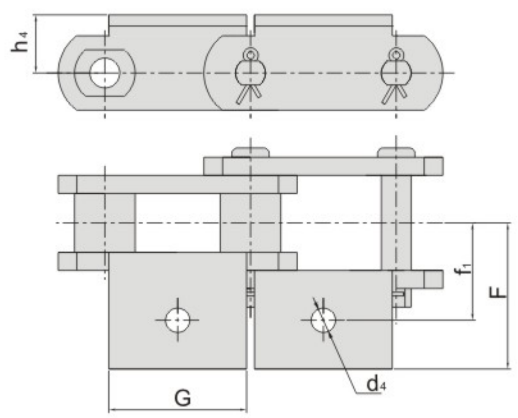


K1型附件 K1 type attachments

永利百合链号 UNIBear Chain No.	f_1	F	G	h_4	d_4
		max	max		max
	mm	mm	mm	mm	mm
S131	104.6	157.0	73.9	31.2	13.0
S188	95.2	131.6	54.6	22.0	10.5

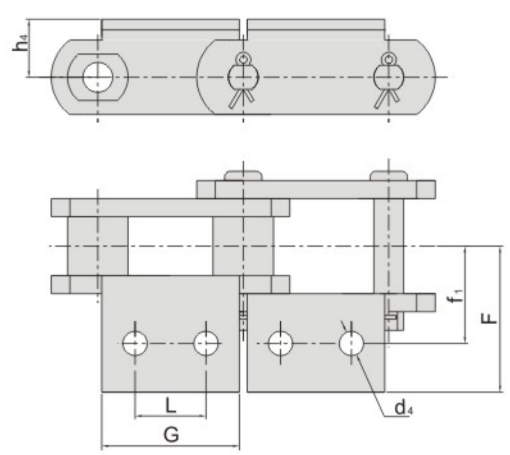
工程用钢制套筒链附件
ENGINEERING STEEL BUSHING CHAIN ATTACHMENTS

A1型附件 A1 type attachments



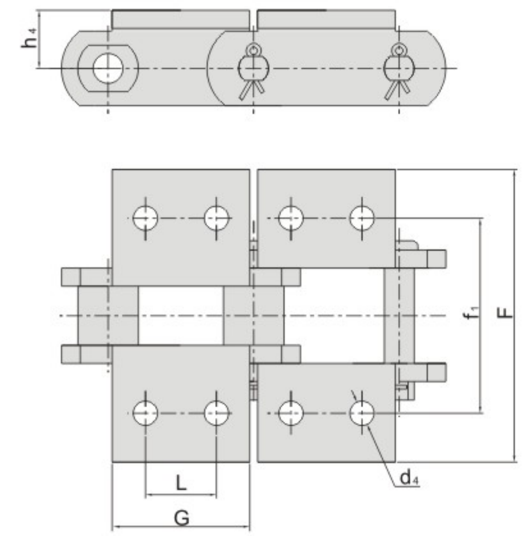
永利百合链号 UNIBear Chain No.	f1	F	G	h_4	d_4
		max	max		min
	mm	mm	mm	mm	mm
S102B	60.5	90.4	77.0	31.2	10.5
S131	52.3	78.5	73.9	31.2	13.0
S188	47.8	65.8	54.6	22.6	8.4

A2型附件 A2 type attachments



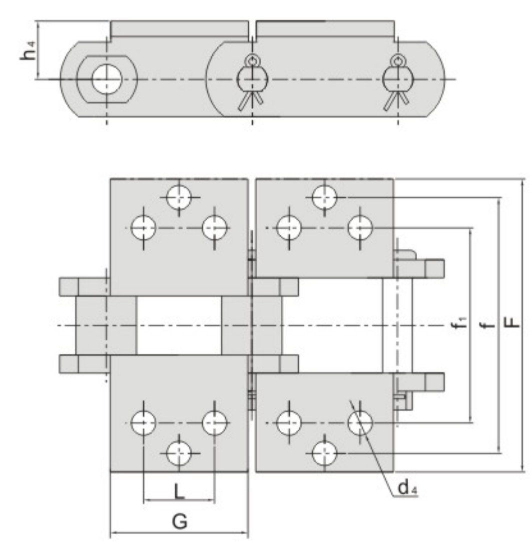
永利百合链号 UNIBear Chain No.	f1	F	L	G	h_4	d_4
		max		max		min
	mm	mm	mm	mm	mm	mm
S102B	67.3	90.4	44.5	77.0	31.2	10.5
S110	67.3	90.4	44.5	89.0	31.2	10.5
S111	79.5	105.4	58.7	92.7	38.1	13.0
S131	52.3	78.5	38.1	73.9	31.2	13.0
S150	95.3	124.7	69.9	108.7	47.8	13.0
S188	53.3	65.8	31.8	54.6	22.6	8.4

工程用钢制套筒链附件
ENGINEERING STEEL BUSHING CHAIN ATTACHMENTS



K2 型附件 K2 type attachments

永利百合链号 UNIBear Chain No.	f1	F	L	G	h_4	d_4
		max		max		min
	mm	mm	mm	mm	mm	mm
S102B	134.9	180.8	44.5	69.9	31.2	10.5
S110	134.9	180.8	44.5	89.6	31.2	10.5
S111	158.8	210.8	58.7	92.7	38.1	13.0
S131	104.6	157.0	38.1	73.9	31.2	13.0
S150	190.5	249.4	69.9	108.7	47.8	13.0
S188	106.4	131.6	31.8	54.6	22.6	8.4

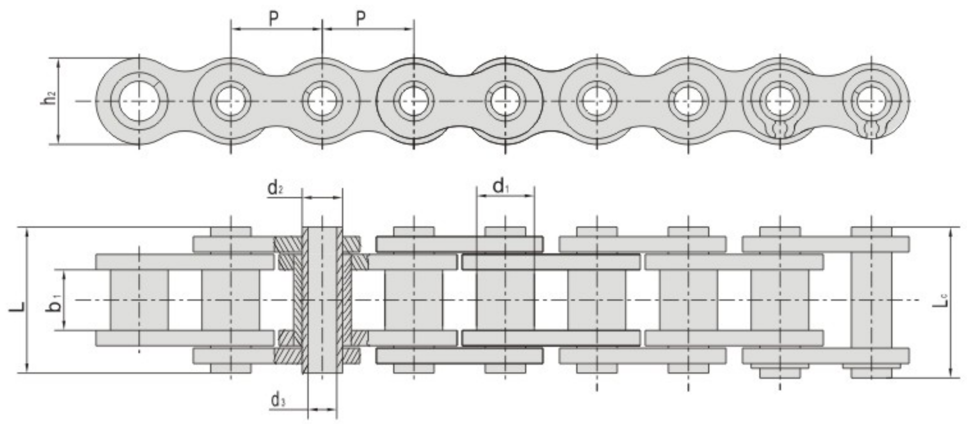


K3 型附件 K3 type attachments

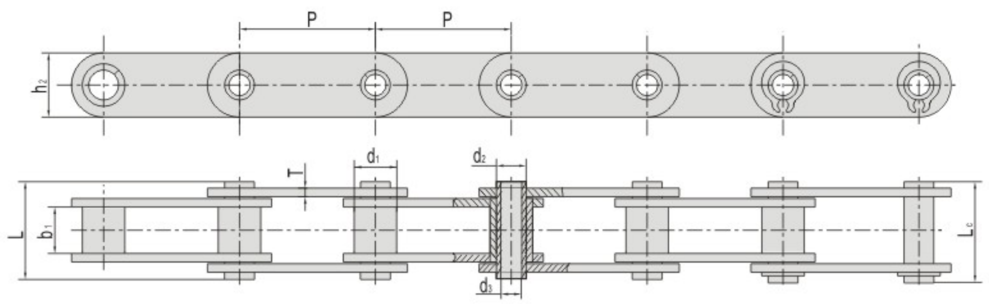
永利百合链号 UNIBear Chain No.	f1	F	f	L	G	h_4	d_4
		max			max		min
	mm	mm	mm	mm	mm	mm	mm
S150	190.5	347.5	292.1	69.9	109.5	47.8	13.0

空心销轴链
HOLLOW PIN CHAINS

A 型 (Type A)



B 型 (Type B)



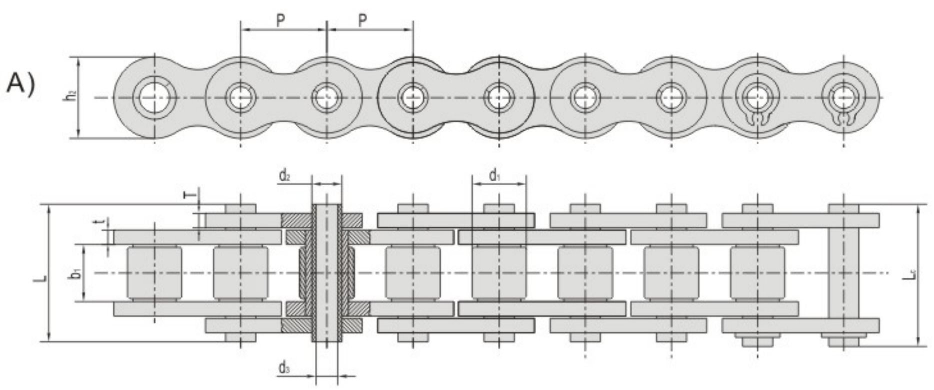
永利百合链号 UNIBear Chain No.	节距 Pitch	套筒直径 Bush diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter		销轴长度 Pin length		内链板高度 Inner plate depth	链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength	平均拉伸载荷 Average tensile strength	每米长重 Weight per meter	型号 Type
	P	d_1 max	b_1 min	d_2 max	d_3 min	L max	Lc max	h2 max	T	Q min	Qo	q	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m	
08BHP-S	12.7	8.51	7.75	6.37	4.5	16.3	17.2	11.8	1.6/1.3	9.5	10.5	0.56	A
08BHP-Y1	12.7	8.51	7.75	6.37	4.5	16.7	18	11.8	1.6	9.5	10.5	0.57	A
40BHP	12.7	7.92	7.85	5.63	4	16.6	17.5	11.9	1.5	8.9	11	0.54	A
50BHP	15.875	10.16	9.4	7.03	5.1	20.6	21.8	15	2.03	13.1	14.5	0.94	A
60BHP	19.05	11.91	12.57	8.3	6	25.8	27	18	2.42	22.8	24	1.29	A
60BHP-F1	19.05	11.91	12.57	8.3	6.1	25.8	27	18	2.42	22.8	24	1.28	A
80BHP	25.4	15.88	15.75	11.1	8.08	32.7	34.1	24	3.25	33.3	35	2.4	A
80BHP-F1	25.4	11.7	13.5	7.8	4.1	29	30.5	21.5	3	40	44	1.8	A
80BHP-F2	25.4	15.88	15.75	11.1	8.4	32.7	34.1	24	3.25	30	33	2.06	A
HB38.1-F1	38.1	18	15.2	14	10.2	34.5	35.6	28	3.5	45	49	2.52	A
C60HP	19.05	11.91	12.57	8.3	6	25.8	27	18	2.42	22.8	24	1.51	B
C2040HP	25.4	7.92	7.85	5.63	4	16.6	17.5	12	1.5	8.9	11	0.47	B
C2050HP	31.75	10.16	9.4	7.03	5.1	20.6	21.8	15	2.03	13.1	14.5	0.77	B
C2060HP	50.8	11.91	12.57	8.3	6	25.8	27	18	2.42	22.8	24	1.1	B
C2080HP	50.8	15.88	15.75	11.3	8.08	32.7	34.1	23.8	3.25	33.3	35	1.92	B

可根据用户要求生产镀铜、镀锌、镀镍、镀铬链条以及不锈钢链条
Copper-plated、zinc-plated、nickel-plated and chrome-plated chain，stainless steel chain available.

UNIBEAR

空心销轴链
HOLLOW PIN CHAINS

A 型 (Type A)



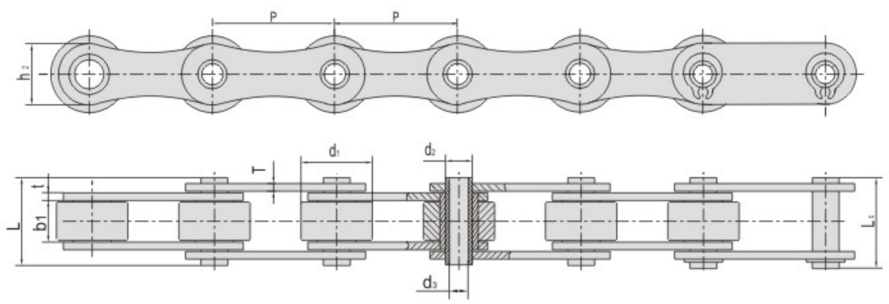
永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter		销轴长度 Pin length		链板高度 Plate depth	链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength	平均拉伸载荷 Average tensile strength	每米长重 Weight per meter	型号 Type
	P	d_1 max	b_1 min	d_2 max	d_3 min	L max	L_c max	h_2 max	t/T	Q min	Qo	q	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m	
10BHB	15.875	10.16	9.65	5.94	4.1	19.3	20.5	14.7	1.7	17	20.8	0.89	A
12BHB	19.05	12.07	11.68	6.5	4.05	22.5	23.5	16	1.88	23.6	25	1.12	A
12BHBY2	19.05	12.07	11.68	6.2	4	22.5	23.5	16	1.88	13.5	18.5	1.09	A
12BHBY3	19.05	12.07	11.68	6.54	4	22.5	23.5	16	1.88	23.6	25	1.12	A
16BHB	25.4	15.88	12.7	9.53	7.05	30.8	32	23	4.1/3.1	40	44	2.28	A
24BHP	38.1	25.4	25.4	14.63	10.5	53	54.2	33.3	6/4.8	70	76	6.16	A
HP20	20	12	22	7.03	5	35.2	35.8	18	2.5	16.5	19	1.7	A
60HB	19.05	11.91	12.7	7	5.1	26.3	27.6	18	2.42	20	22	1.41	A

可根据用户要求生产镀铜、镀锌、镀镍、镀铬链条以及不锈钢链条
Copper-plated、zinc-plated、nickel-plated and chrome-plated chain，stainless steel chain available.

UNIBEAR

空心销轴链
HOLLOW PIN CHAINS

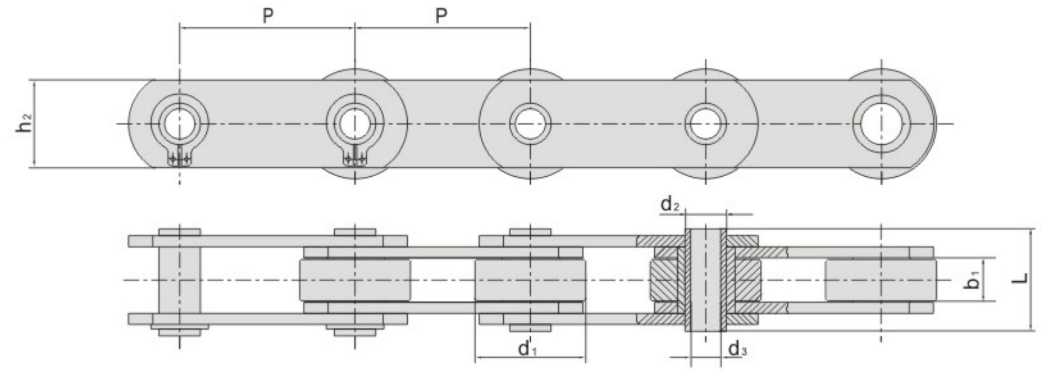
B 型 (Type B)



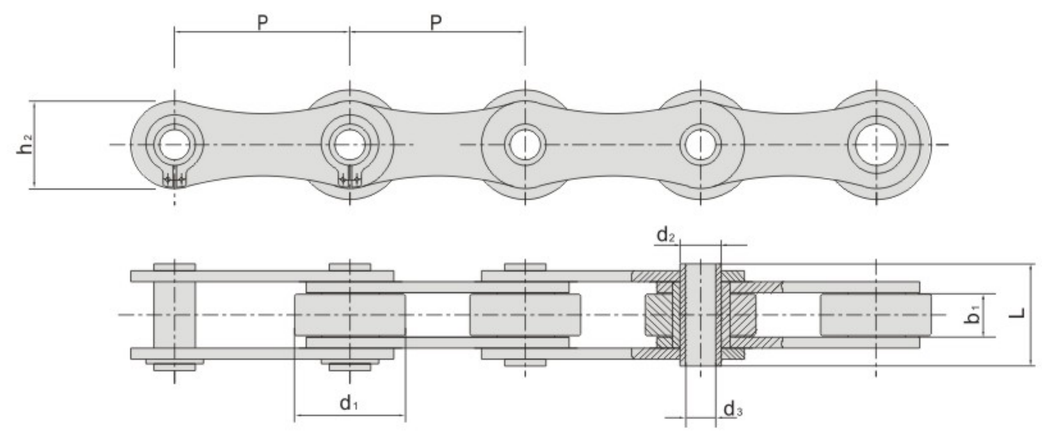
永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter		销轴长度 Pin length		链板高度 Plate depth	链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength	平均拉伸载荷 Average tensile strength	每米长重 Weight per meter	型号 Type
	P	d_1 max	b_1 min	d_2 max	d_3 min	L max	L_c max	h_2 max	t/T	Q min	Qo	q	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m	
HB25.4-F1	25.4	20	8	8	5.2	19.5	20.6	17	2.03	28	30	1.29	B
HB25.4-F2	25.4	19	12.7	7	5.4	25.8	26.8	16.5	2.42	12	13.5	1.76	B
HB38.1	38.1	20	8	8	5.2	19.5	20.6	17	2.03	28	30	0.98	B
HB38.1-F3	38.1	20	18	10.45	5.1	39	40.3	22	4	60	65	2.52	B
HB38.1-F5	38.1	25.4	12.7	12	8.3	26.5	28	21	2.5	24	25.5	1.41	B
HB41.75	41.75	17.1	19.9	11.1	8.2	35.7	39	21.65	3.1	26.5	28.5	1.6	B
HB50	50	30	10.5	11.5	8.2	27.4	28.6	26	3.1	50	55	2.26	B
50.8HP	50.8	30	10.5	11.5	8.2	27.4	28.6	26	3.1	50	55	2.34	B
HB50-F1	50	31	15	13.2	10.2	36.5	38	25	4	40	45	3.26	B
HB100	100	30	10.5	11.5	8.2	27.4	28.6	26	3.1	45	50	1.8	B
HB50.8-F1	50.8	25	13.5	7.8	4.1	29	30.5	21.5	3	40	44	2.12	B
50.8H-HP	50.8	30	10.5	11.5	8.2	30.6		26	4	60	65	2.68	B
HB63	63	30	10.5	11.5	8.2	26.7	26.7	28.1	3.1	50	55	2.1	B
HB63F1	63	30	10	11.7	8.1	26.7	26.5	27.8	3.1	50	55	2.1	B
HB63-F6	63	30	20	11.7	8.1	36.5	37.8	26	3	50	55	2.85	B

空心销轴链
HOLLOW PIN CHAINS

A 型 (Type A)

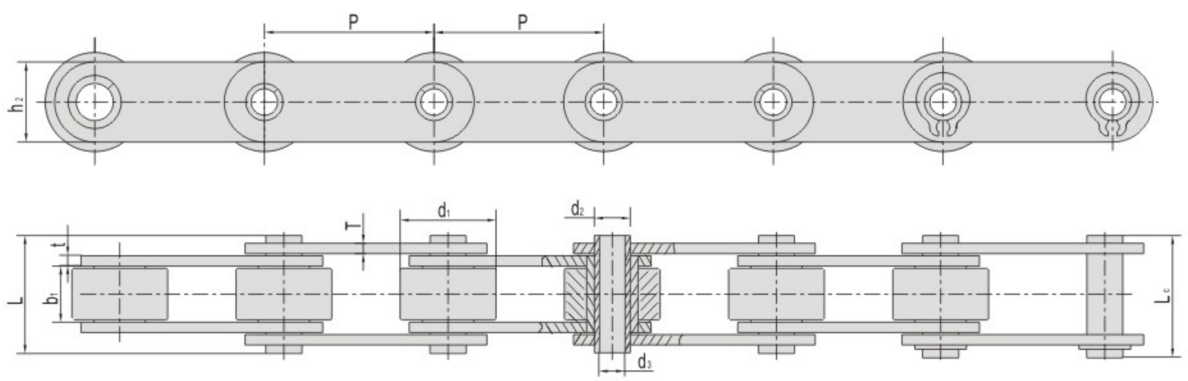


B 型 (Type B)



永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner paltes	链板高度 Plate depth	销轴直径 Pin diameter		销轴长度 Pin length	极限拉伸载荷 Breaking load	类型 Type
	P	d_1 max	b_1 min	h_2 max	d_2 max	d_3 min	L max	Q min	
	mm	mm	mm	mm	mm	mm	mm		
KC76.71	76.71	47.63	19.05	38.1	18.0	12.5	44.5	125	A
KC76.2	76.2	47.63	19.05	38.1	18.0	13.1	44.5	125	A
KC76.2A	76.2	47.63	19.05	38.1	18.0	13.1	37.6	83.0	A
260	41.75	17.00	20.50	21.4	11.0	8.3	36.4	27.0	B
262	50.8	30.00	10.00	25.6	11.5	8.2	25.9	60.0	B

空心销轴链
HOLLOW PIN CHAINS

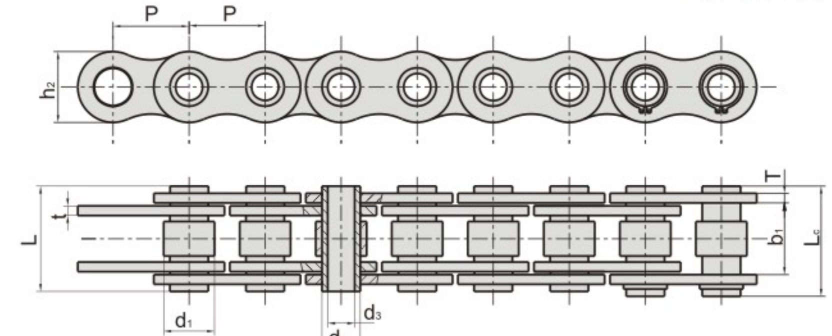


永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter		销轴长度 Pin length		链板高度 Plate depth	链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength	平均拉伸载荷 Average tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2 max	d_3 min	L max	L_c max	h_2 max	t/T	Q min	Q_0	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m
C2042HP	25.4	15.88	7.85	5.63	4	16.6	17.5	12	1.5	8.9	11	0.8
C2052HP	31.75	19.05	9.4	7.03	5.1	20.6	21.8	15	2.03	13.1	14.5	1.24
C2062HP	38.1	22.23	12.57	8.3	6	25.8	27	18	2.42	22.8	24	1.79
C2062HP-F2	38.1	22.23	12.57	8.3	6	25.8	27	17	2.42	22.8	24	1.75
C2062H-HP	38.1	22.23	12.57	8.3	6	29.5	30.7	18	3.25	22.8	24	2.11
C2082HP	50.8	28.58	15.75	11.1	8.08	32.7	34.1	23.8	3.25	33.3	35	2.98
C2082H-HP	50.8	28.58	15.75	11.1	8.08	32.7	34.1	23.8	4	33.3	35	3.37
HB25.4	25.4	15.88	17	9	6.2	31.2	32.7	20	2.5	25	27.5	2.07
HP40	40	25	13	12	8.9	29	30.2	22	3	21	23.5	2.48
HP38.1	38.1	15.88	17.02	8.28	5.1	35.6	36.4	28.5	4.1/3.1	30	33	3.15
MC20-P-50	50	20	14	9	6.2	27.3	28.5	20	2.5	25	28	1.62
MC20F1-P-50	50	20	14	9	6.2	28.7	39.9	20	2.5	25	28	1.61
MC40-P-50	50	32	15	14	10.1	36.1	37.5	25	4	40	45	3.77
MC40F1-P-50.8	50.8	38.1	15	14	10.1	36.1	37.5	25.5	4	49	54	4.55
MC40F2-P-60	60	32	15	14	10.5	35	36.4	25	4	40	45	3.33
MC40F3-S-41.4	41.4	25.4	15	14	10.5	35	36.4	32	4	40	45	4.25
MC56F1-P-100	100	25	15	14	10.2	37	38.1	35	4	50	55	3.22
P101.6HP-Y1	101.6	47.6	18.2	19	14.1	45.5	47.5	38.5	5	97.8	105	6.05
P152.4HP-Y1	152.4	66.7	25.4	27	20.1	68.5	70	50.8	9/8	222.3	232.2	12.25
4203HP	76.2	31.8	15	14	10.1	36.1	37.5	25.4	3.8	42	46	2.98
ZC40F1-P-50.8	50.8	38.1	15.2	14.3	9.67	36.3	53	27	4	65	72	4.82

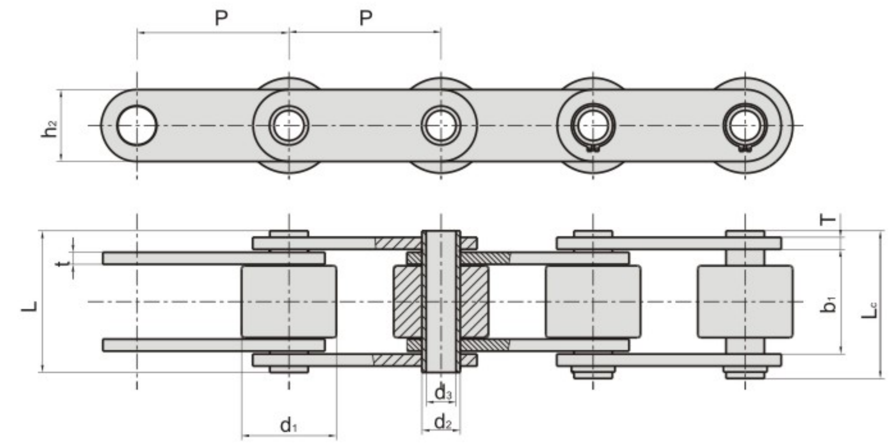
可根据用户要求生产镀铜、镀锌、镀镍、镀铬链条以及不锈钢链条
Copper-plated、zinc-plated、nickel-plated and chrome-plated chain，stainless steel chain available.

空心销轴链
HOLLOW PIN CHAINS

A型(TYPE A)

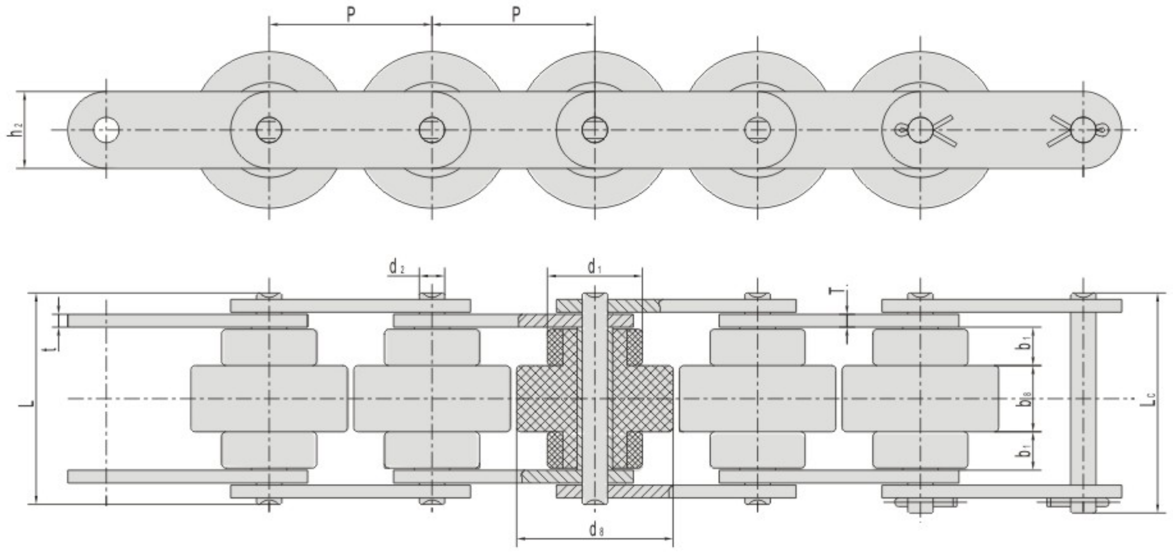


B型(TYPE B)



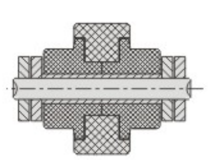
永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter		销轴长度 Pin length		内链板高度 Inner plate depth	链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength	平均拉伸载荷 Average tensile strength	每米长重 Weight per meter	型号 Type
	P	d_1 max	b_1 min	d_2 max	d_3 min	L max	L_c max	h_2 max	t/T	Q min	Q_0	q	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	kg/m	
08BHP	12.7	8.51	11.3	6.37	4.5	16.7	18	11.8	1.6	11.5	13	0.6	A
08BHP-F1	12.7	8.51	13.4	6.65	4	19	20.2	11.8	1.6	14	16	0.72	A
10BHP	15.875	10.16	13	7.03	5	18.8	20.2	14.7	1.7	13.1	15	0.83	A
10BHP-Y1	15.875	10.16	13.6	7.03	5	20	31.3	14.7	1.88	15	15	16.5	A
12BHP	19.05	12.07	15.75	8.1	6	22.5	23.7	16.1	1.88	16	20	0.88	A
12BHP-Y1	19.05	12.07	15.7	8.1	5	22.5	23.8	16.1	1.88	25	28	1.1	A
12BHP-Y2	19.05	12.07	16	8.1	5.4	22.5	23.8	15.8	1.88	25	28	1.06	A
16BHP-F1	25.4	15.88	25.58	11.5	8.1	36.5	37.6	21	4.1/3.1	45	50	2.36	A
A2052HP-Y1	31.75	20	13.9	8.1	6.5	20.6	22	15	2.03	19.5	21.5	1.14	A
HB38.1-F1	38.1	22.2	18.55	11	8.2	26.5	28	18	2.5	22	24	1.52	A
HB50.8Y2	50.8	30	16.3	11.5	8.2	25.9	27.2	25.6	3.1	42	46	2.32	A
HB63-F3	63	40	23.5	16	12.2	34.7	37.7	28	4	44	48	3.94	A

倍速链
DOUBLE PLUS CHAINS

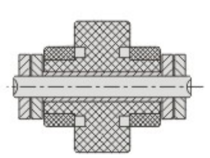


倍速输送链的结构形式
The structure of double plus single-time speed conveyor chain

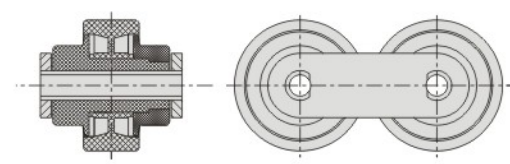
形式 1 (Type 1)



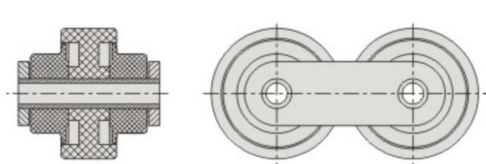
形式 2 (Type 2)



形式 3 (Type 3)



单倍速输送链的结构形式
The structure of single-time speed conveyor chain



倍速链
DOUBLE PLUS CHAINS

3倍速输送链　　3 times speed conveyor chain

永利百合链号 UNIBear Chain No.	节距 Pitch P mm	滚子外径 Roller diameter d_1 max mm	滚轮外径 Rolling wheel diameter d_8 max mm	滚子高度 Roller depth b_1 min mm	滚轮高度 Rolling wheel depth b_8 min mm	销轴直径 Pin diameter d_2 max mm	链板高度 Plate deoth h_2 max mm	链板厚度 Plate thickness T mm	链板厚度 Plate thickness t mm	销轴长度 Pin length L max mm	连接销轴长度 Connecting pin length L_c max mm
BS30-C206B	19.05	9.00	18.3	4.50	9.1	3.28	7.28	1.3	1.5	26.3	29.6
BS30-C208A	25.40	11.91	24.6	6.10	12.5	3.96	9.60	1.5	2.0	35.6	39.5
BS30-C210A	31.75	14.80	30.6	7.50	15.0	5.08	12.20	2.0	2.4	43.0	47.1
BS30-C212A	38.10	18.00	37.0	9.75	20.0	5.94	15.00	3.0	4.0	58.1	62.7
BS30-C216A	50.80	22.23	49.0	12.00	25.2	7.92	18.60	4.0	5.0	71.9	77.3

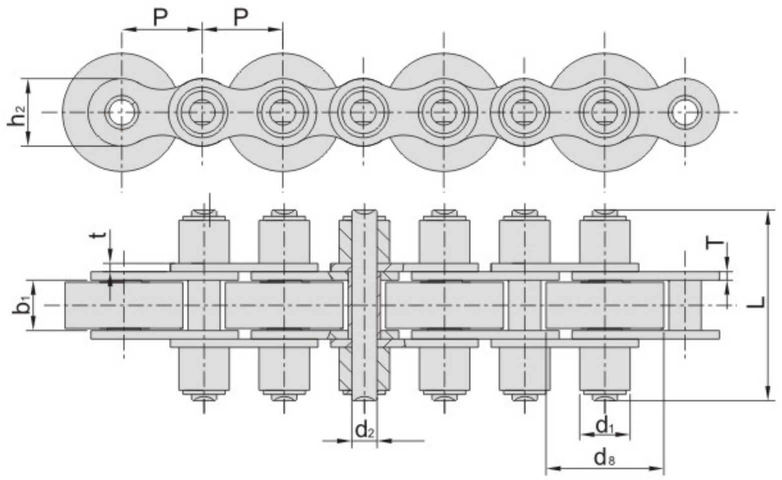
2倍速输送链　　2 times speed conveyor chain

永利百合链号 UNIBear Chain No.	节距 Pitch P mm	滚子外径 Roller diameter d_1 max mm	滚轮外径 Rolling wheel diameter d_8 max mm	滚子高度 Roller depth b_1 min mm	滚轮高度 Rolling wheel depth b_8 min mm	销轴直径 Pin diameter d_2 max mm	链板高度 Plate deoth h_2 max mm	链板厚度 Plate thickness T mm	链板厚度 Plate thickness t mm	销轴长度 Pin length L max mm	连接销轴长度 Connecting pin length L_c max mm
BS25-C206B	19.05	11.91	18.3	4.0	8.0	3.28	8.26	1.3	1.5	24.2	27.5
BS25-C208A	25.40	15.88	24.6	5.7	10.3	3.96	12.07	1.5	2.0	32.6	36.5
BS25-C210A	31.75	19.05	30.6	7.1	13.0	5.08	15.09	2.0	2.4	40.2	44.3
BS25-C212A	38.10	22.23	36.6	8.5	15.5	5.94	18.08	3.0	3.0	49.1	53.7
BS25-C216A	50.8	28.58	49.0	11.0	21.5	7.92	24.13	4.0	5.0	66.2	71.6

单倍速输送链　　Single–times speed conveyor chain

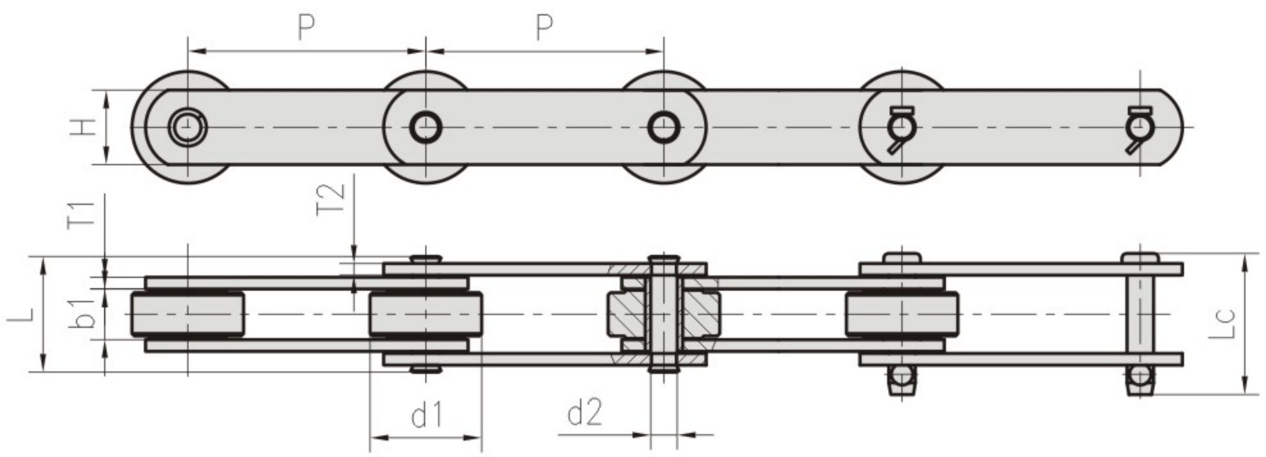
永利百合链号 UNIBear Chain No.	节距 Pitch P mm	滚子外径 Roller diameter d_1 max mm	滚轮外径 Rolling wheel diameter d_8 max mm	滚子高度 Roller depth b_1 min mm	滚轮高度 Rolling wheel depth b_8 min mm	销轴直径 Pin diameter d_2 max mm	链板高度 Plate deoth h_2 max mm	链板厚度 Plate thickness T mm	链板厚度 Plate thickness t mm	销轴长度 Pin length L max mm	连接销轴长度 Connecting pin length L_c max mm
BS1-C212A	38.1	22.23	36.6	8.5	15.5	5.94	18.08	3	3	49.1	53.7

倍速链
DOUBLE PLUS CHAINS



链号 ISO Chain No.	节距 Pitch	滚子直径 Roller diameter		内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length	链板高度 Palte depth	链板厚度 Palte thinkness	Ulitmate tensile strength	每米长重 Weight per meter
	P	d_1 max	d_8 max	b_1 min	d_2 max	L max	H	T/t	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
08BS-27-S16	12.7	8.51	16	7.5	4.45	27	11.8	1.6/1.5	18	1.34
08BS-27-K16	12.7	8.51	16	7.5	4.45	27	11.8	1.6/1.5	18	1.0
12BS-40-S24	19.05	12.07	24	11.4	5.72	40	16.1	1.88/1.8	29	2.7
12BS-40-K24	19.05	12.07	24	11.4	5.72	40	16.1	1.88/1.8	29	1.85
12BS-40-S26	19.05	12.07	28	11.4	5.72	40	16.1	1.88/1.8	29	2.86
12BS-40-K26	19.05	12.07	28	11.4	5.72	40	16.1	1.88/1.8	29	1.87
12BS-40-S28	19.05	12.07	28	11.4	5.72	40	16.1	1.88/1.8	29	3.06
12BS-40-K28	19.05	12.07	28	11.4	5.72	40	16.1	1.88/1.8	29	1.91
12BS-43-S24	19.05	12.07	24	11.4	5.72	43	16.1	1.88/1.8	29	2.83
12BS-43-K24	19.05	12.07	24	11.4	5.72	43	16.1	1.88/1.8	29	1.98
12BS-43-S26	19.05	12.07	28	11.4	5.72	43	16.1	1.88/1.8	29	2.99
12BS-43-K26	19.05	12.07	28	11.4	5.72	43	16.1	1.88/1.8	29	2.0
12BS-43-S28	19.05	12.07	28	11.4	5.72	43	16.1	1.88/1.8	29	3.2
12BS-43-K28	19.05	12.07	28	11.4	5.72	43	16.1	1.88/1.8	29	2.05
12BS-48-S24	19.05	12.07	24	11.4	5.72	43	16.1	1.88/1.8	29	3.05
12BS-48-K24	19.05	12.07	24	11.4	5.72	43	16.1	1.88/1.8	29	2.20
12BS-48-S26	19.05	12.07	28	11.4	5.72	43	16.1	1.88/1.8	29	3.21
12BS-48-K26	19.05	12.07	28	11.4	5.72	43	16.1	1.88/1.8	29	2.22
12BS-48-S28	19.05	12.07	28	11.4	5.72	43	16.1	1.88/1.8	29	3.41
12BS-48-K28	19.05	12.07	28	11.4	5.72	43	16.1	1.88/1.8	29	2.27

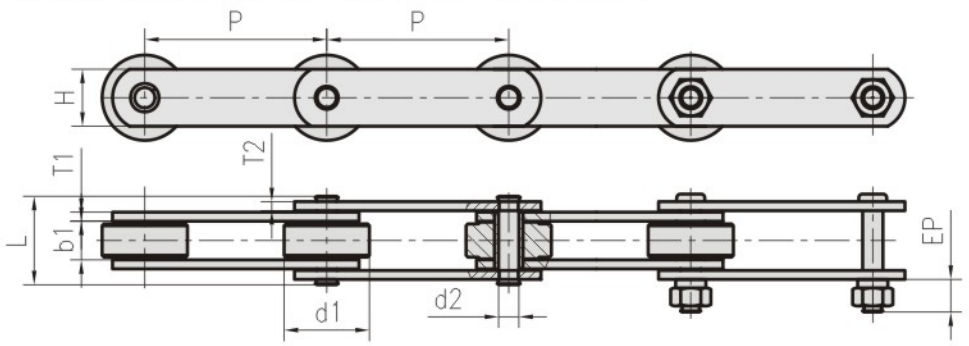
棕油链
PALM OIL MILL - CONVEYOR CHAINS
带螺纹实心销系列
SOLID PIN WITH EXTENDED PIN AND LOCK NUT



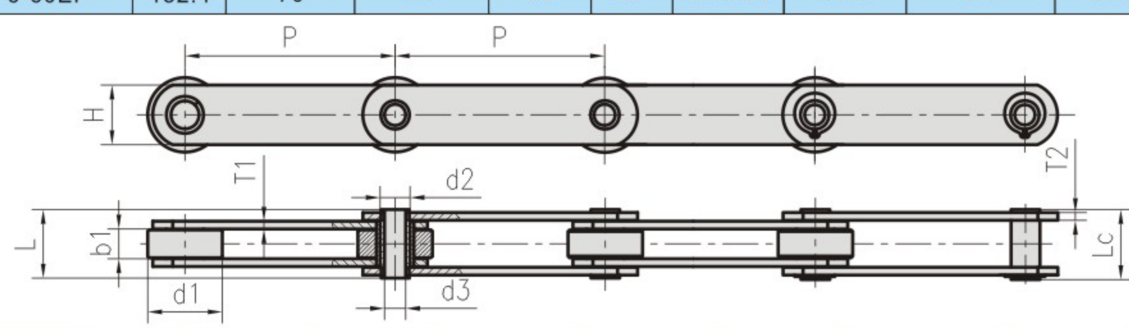
链号 ISO Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length		链板高度 Palte depth	链板厚度 Palte thinkness	Ulitmate tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2 max	L max	Lc max	H	T1/T2	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
9503-S	76.7	29	30	14.5		73	38.1	6.3	110	9.4
4-7.5	101.6	31.75	15.24	13.97	41	45	25.4	4.8	40	2.8
4-20	101.6	47.6	19.05	19.05	48	54	38.1	5.1	88.9	6.9
4-30	101.6	47.6	19.05	19.05	52	58	38.1	6.4	133.4	8.2
90R	101.6	47.6	22.2	11.1	48	54	32	4.8	88.9	6.2
94R	101.6	50.8	30	14.29	62	67	38.1	6.3	133.4	10
604R	152.4	50.8	30	14.5	62	67	38.1	6.3	133.4	7.9
6-15	152.4	47.6	19.05	19.05	48	54	38.1	5.1	88.9	5.1
6-36	152.4	66.7	25	22.1	62	68	50.8	6.4	177.8	11.35
6-50	152.4	66.7	25.4	26.9	66	72	50.8	7.8/6.5	222.3	11.5
6-70	152.4	66.7	25.4	26.9	76	82	50.8	9.5	311	13
6-55	160	70	38	17.5	73.5	79	50.8	6.5	245	13.55
6-60	152.4	70	38	19	87	93	50.8	9.5	266.7	17.2

棕油链
PALM OIL MILL - CONVEYOR CHAINS

带螺纹实心销系列
SOLID PIN WITH EXTENDED PIN AND LOCK NUT

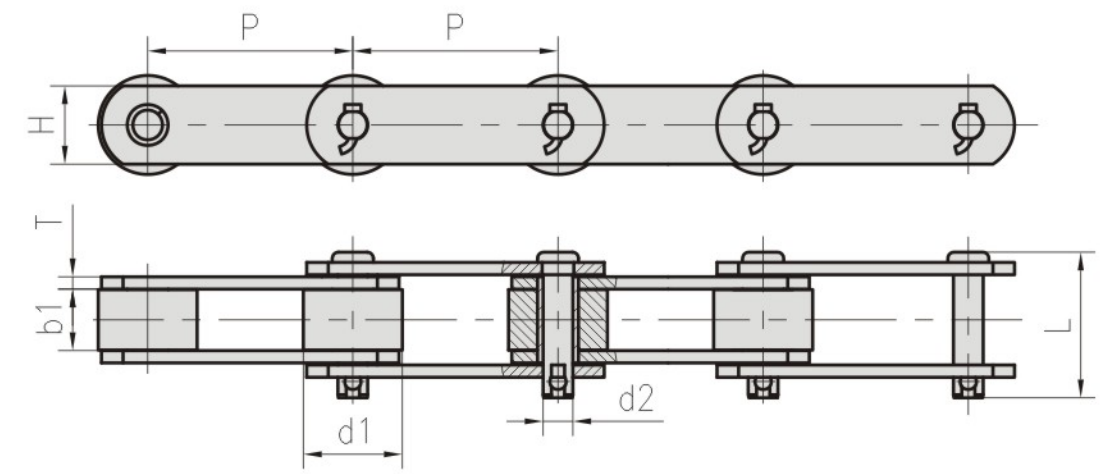


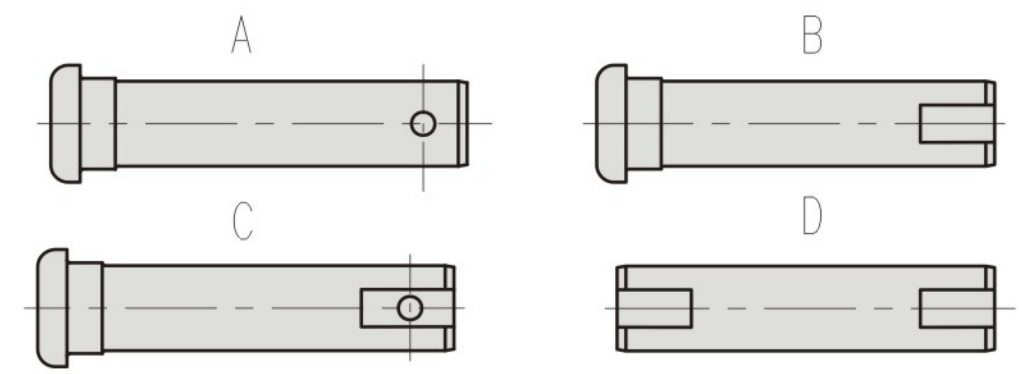
链号 ISO Chain No	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length		链板高度 Palte depth	链板厚度 Palte thinkness	极限拉伸载荷 Ultimate tensile strength
	P	d_1 max	b_1 min	d_2 max	L max	EP	H	T1/T2	Q min
	mm	mm	mm	mm	mm	mm	mm	mm	KN
4-30EP	101.6	47.6	19.05	19.05	52	M16-36	38.1	6.4	133.4
6-36EP	152.4	66.7	25	22.1	62	M20-40	50.8	6.4	177.8
6-50EP	152.4	66.7	25.4	26.9	66	M24-44	50.8	7.8/6.5	222.3
6-70EP	152.4	66.7	25.4	26.9	76	M24-44	50.8	9.5	311
6-55EP	160	70	38	17.5	73.5	M18-40	50.8	6.5	245
6-60EP	152.4	70	38	19	87	M18-38	50.8	9.5	266.7



链号 ISO Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter		销轴长度 Pin length		链板高度 Palte depth	链板厚度 Palte thinkness	极限拉伸载荷 Ultimate tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2 max	d_2 max	L max	LC max	H	T1/T2	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
4-21HP	101.6	47.6	19.05	19.05	13.2	45	46.5	38.1	5.1	93.4	6.56
6-40HP	152.4	66.7	25.4	26.9	20.1	57.5	59	50.8	7.1/5.1	177.8	10.02
6-50HP	152.4	66.7	25.4	26.9	20.1	62	63.5	50.8	7.8/6.5	222.3	10.5

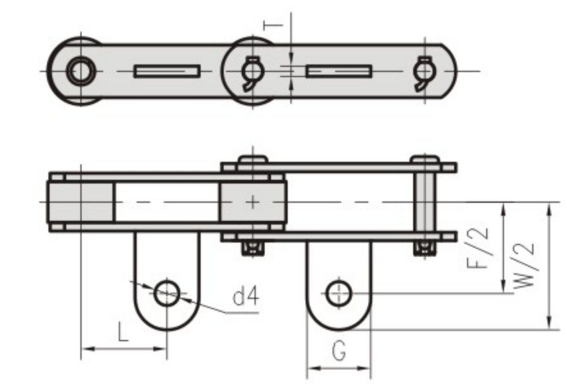
糖机链
SUGAR CHAINS



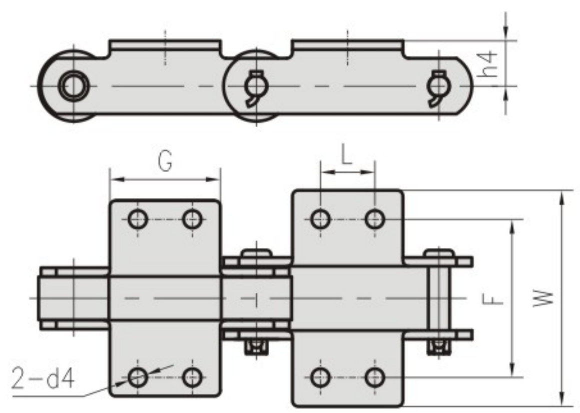


链号 ISO Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length	销轴型式 Pin Type	链板高度 Palte depth	链板厚度 Palte thinkness	极限拉伸载荷 Ultimate tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	d_2 max	L max		H	T	Q min	q
	mm	mm	mm	mm	mm		mm	mm	KN	kg/m
9040R	101.6	50.8	29.3	17.46	78.5	A	44.5	8	178.4	13.1
9041R	101.6	57.15	31.8	15.88	72.8	B/D	38.1	6.4	72.3	11.6
9050R	127	69.85	38.4	19	96.5	B/D	50.8	9.6	180	19.2
9060R	152.4	69.85	37.7	18.9	94.3	A/C	50.8	9.5	250	17.2
9061R	152.4	69.85	37.7	18.9	95.2	A	57.2	9.5	377.9	18.74
9062R	152.4	69.85/76.2/73	37.8	22.23	97.1	C	57.2	9.5	444.5	18.5/19.5/19.2
9063R	152.4	76.2	38	23.83	95.2	A	60.3	10.3	622.3	21.88
9064R	152.4	76.2	38	23.83	95.2	C	61.9	10.3	635	22.2

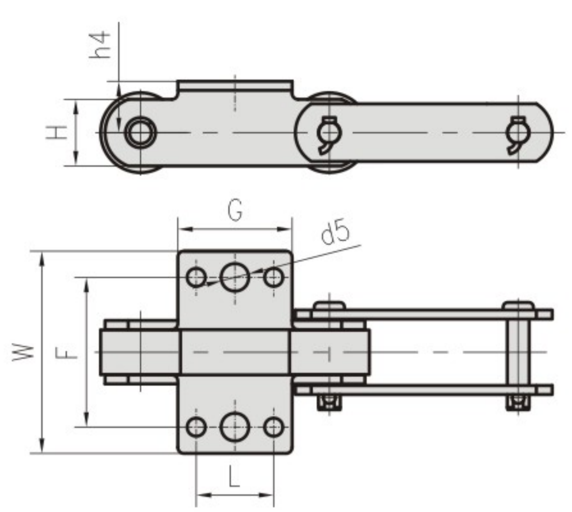
糖机链附件
SUGAR CHAIN ATTACHMENTS



链号 Chain No.	L	F	W	G	T	d_4
	mm	mm	mm	mm	mm	mm
9060R	76.2	134	174.8	45	15	21
9061R	76.2	134	174.8	45	15	21
9062R	76.2	134	174.8	45	15	21



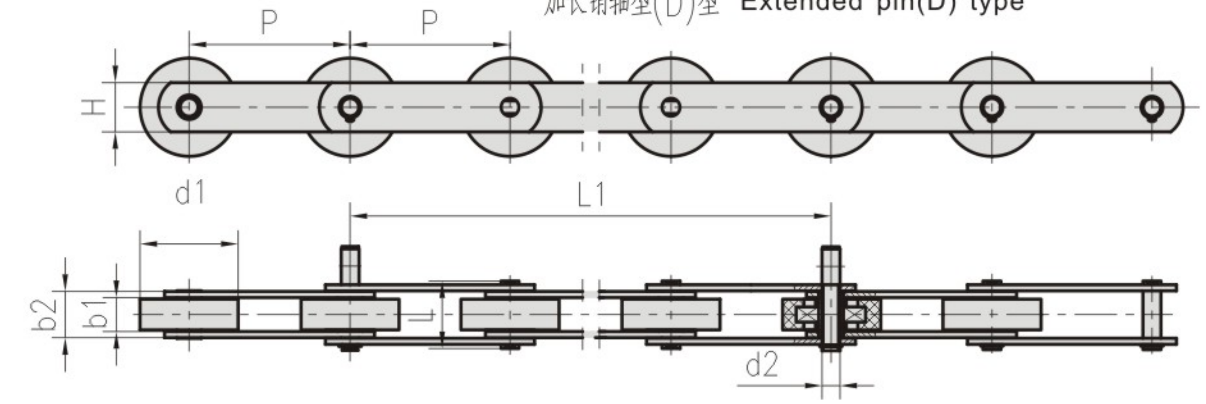
链号 Chain No.	L	G	F	W	h4	d_4
	mm	mm	mm	mm	mm	mm
9060R	76.2	114.3	111.1	171.5	41.3	13
9061R	76.2	114.3	111.1	165.1	41.3	13
9062R	76.2	114.3	111.1	165.1	41.3	11.1/13/14
9063R	76.2	114.3	111.1	165.1	41.3	14.3/12.7



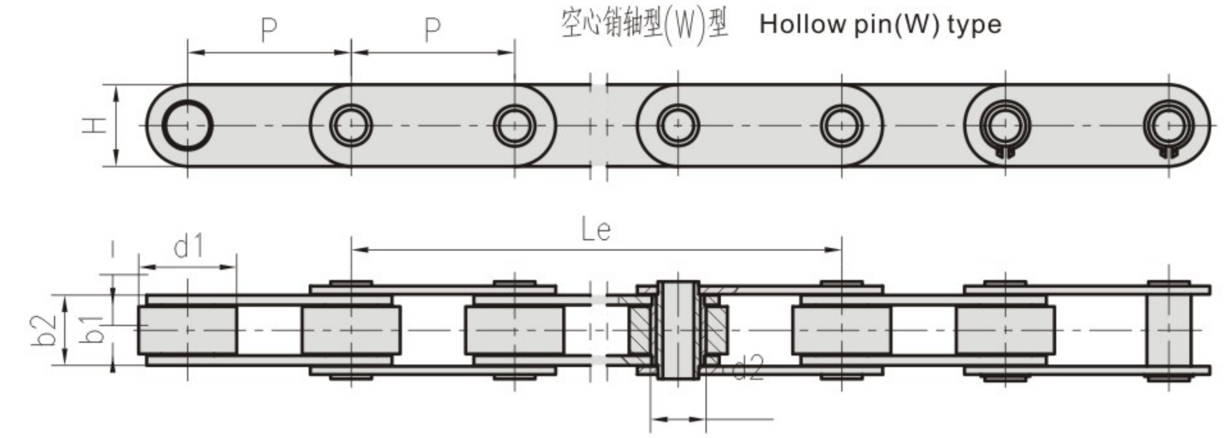
链号 Chain No.	L	G	F	W	H	h4	d_4	d_5
	mm	mm	mm	mm	mm	mm	mm	mm
9041R	50.8	82.6	101.6	133.6	44.4	36	10.3	15
9050R	50.8	82.6	103.4	139.4	50.8	39.6	10.3	13.5

扶梯链
ESCALATOR CHAINS

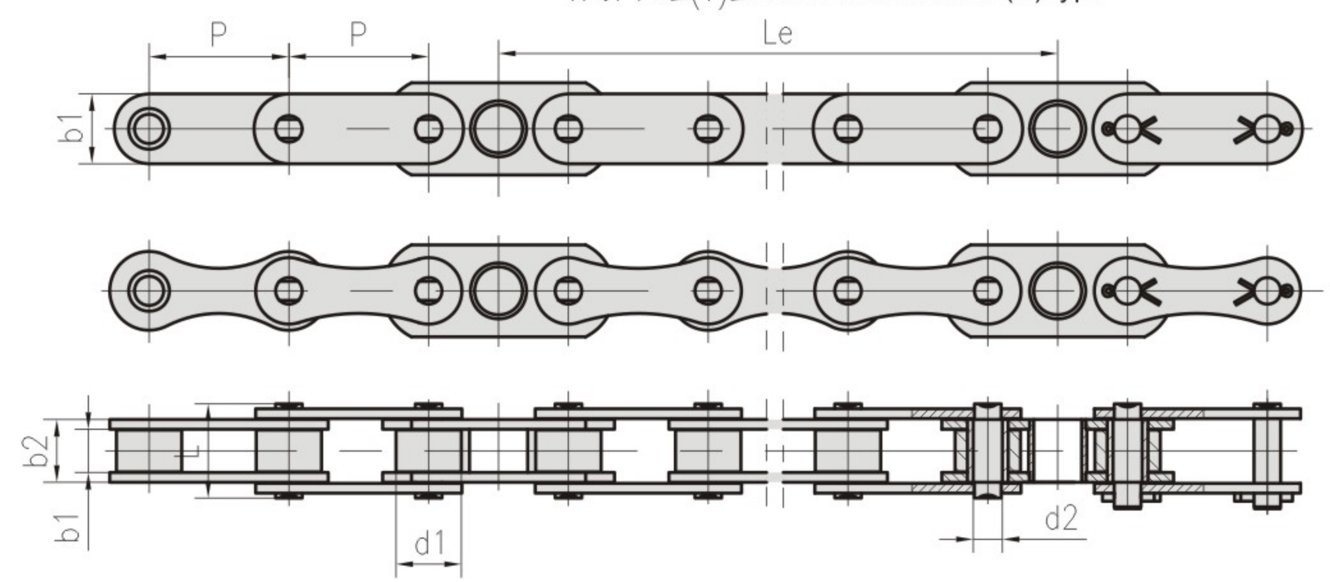
加长销轴型(D)型 Extended pin(D) type



空心销轴型(W)型 Hollow pin(W) type



内链节带孔型(Y)型 Inner link with hole(Y) type

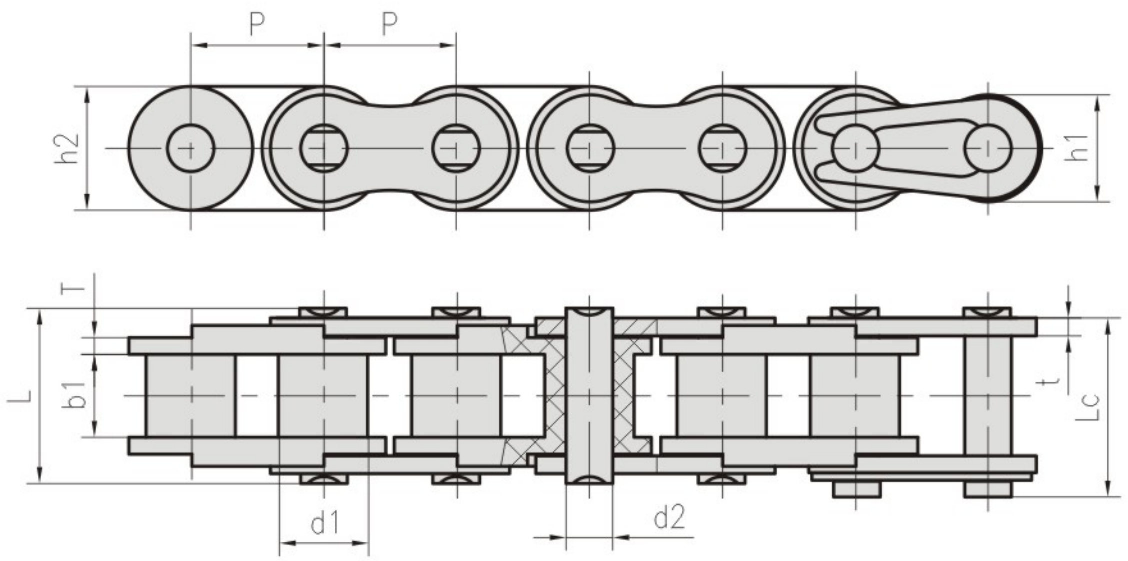


扶梯链
ESCALATOR CHAINS

链号 ISO Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	内节外宽 Width over inner link	销轴直径 Pin diameter	销轴长度 Pin length	链板高度 Palte depth	极限拉伸载荷 Ulitmate tensile strength	附件型式	梯级距	
										链节数	长度
	P	$d_{1\,max}$	$b_{1\,min}$		$d_{2\,max}$	L_{max}	H	Q_{min}			Le
	mm	mm	mm		mm	mm	mm	KN			mm
ST 66	66.67	25.4	20.6	28.6	9.54	41	30	88.2	Y	6	400
ST100A	100	25.4	25.4	35.4	11.06	50.2	32	117.6	D,Y	4	400
ST100B	100	25.4	25.4	37	12.67	54	38	176.4	D,Y	4	400
ST100C	100	25.4	25.4	37.7	14.63	53	40	221.5	W	4	400
ST100D	100	34.3	34.3	50.8	20.5	73.5	50	254.8	W	4	400
ST100E	100	48.26	45.7	65.8	29.23	94.1	65	441	W	4	400
ST100F	100	52	27.5	37.5	30	58	70.5	245	W	4	400
ST 133	133.33	70	27	38.1	14.63	54.8	40.5	180	D	3	400
ST67A	67.73	28	15.8	24.1	11.11	40	28	58.8	Y	6	406.4
ST67B	67.73	28	25.4	35.4	14.27	51	38.5	148	Y	6	406.4
ST67C	67.73	28	30.7	40.7	14.29	58	48.26	137.2	Y	6	406.4
ST 68	68.4	32	20.7	30.5	14.29	46	38.5	130	Y	6	410.4
ST101A	101.6	25.4	22.2	31.8	14.27	46	40	177.9	D	4	406.4
ST101B	101.6	38.1	35.8	50	19.8	64	50	294	Y	4	406.4
ST135A	135.46	70	27	38.1	14.63	53	45.2	143	D	3	406.4
ST 135B	135.46	76.2	24	34.3	15	50	35	90	D	3	406.4
ST135A	135.73	76.4	24	34.3	12.7	50	35	120.9	D	3	407.2

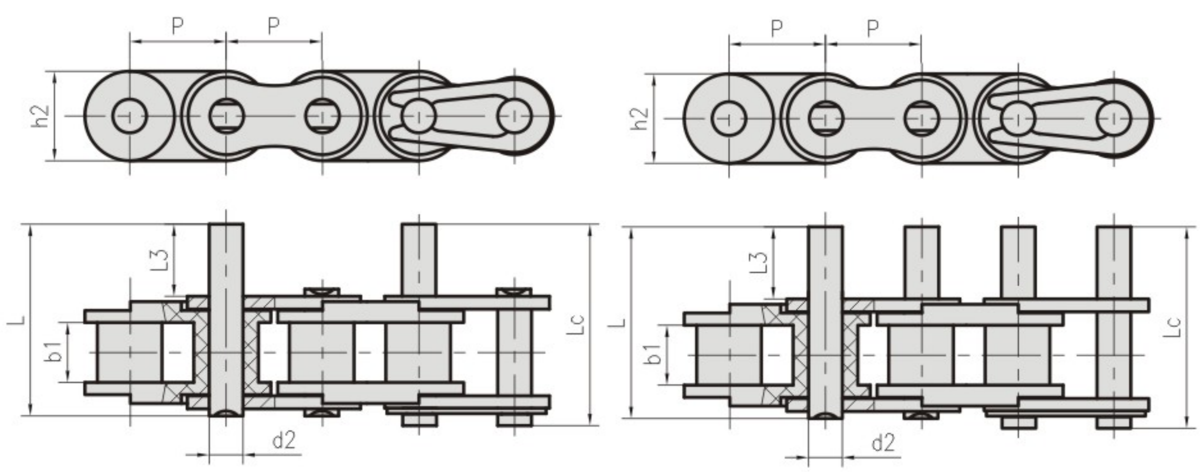
注：止锁件附加宽度由生产厂和用户确定
Note: Attachments width according to plant and customer requirements

工程塑料内链节轻型输送链
ENGINEERING PLASTICS INNER LINK LIGHT -DUTY CONVEYOR CHAINS



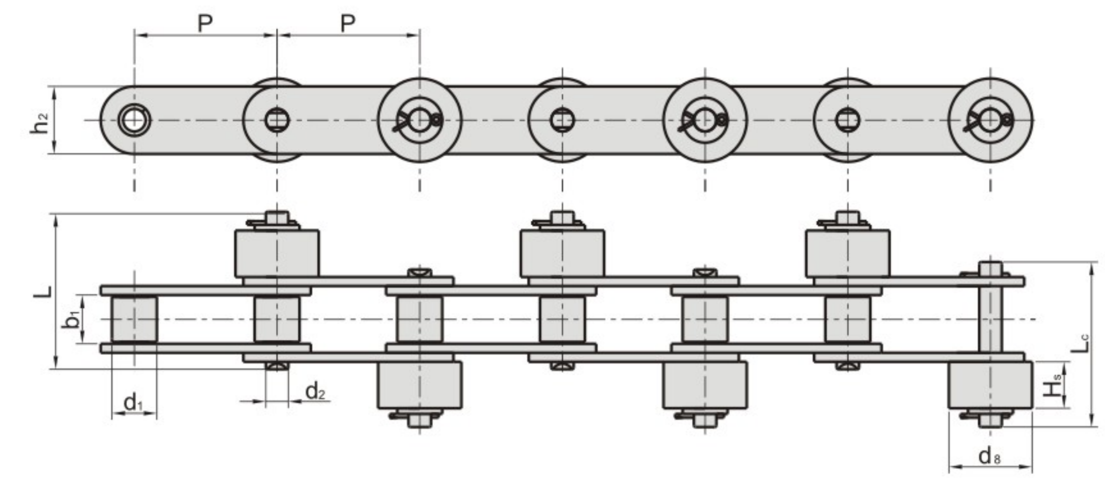
链号 ISO Chain No.	节距 Pitch	套筒直径 Bush diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter	销轴长度 Pin length		链板高度 Palte depth		链板厚度 Palte thinkness	极限拉伸载荷 Ulitmate tensile strength
	P	$d_{1\,max}$	$b_{1\,min}$	$d_{2\,max}$	L_{max}		H	H	T/t	Q_{min}
	mm	mm	mm	mm	mm		mm	mm	mm	KN/LB
04CSPa	6.35	3.3	3.10	2.31	7.9	8.4	6.0	5.06	0.8	0.6/136
06CSPa	9.525	5.08	4.68	3.58	12.4	13.2	9.0	7.8	1.3	1.1/250
08ASPa	12.7	7.92	7.85	3.96	16.6	17.8	12.0	10.4	1.5	2.5/568
10ASPa	15.875	10.16	9.40	5.08	20.7	22.2	15.1	13.0	2.03	3.5/795
12ASPa	19.05	11.91	12.75	5.94	25.9	27.7	18.0	15.6	2.42	4.5/1023
16ASPa	25.40	15.88	15.75	7.92	32.7	35.0	24.0	20.5	3.25	7.5/1023
08BSPa	12.7	8.51	7.75	4.45	16.7	18.2	11.8	10.6	1.6	2.5/568
10BSPa	15.875	10.16	9.65	5.08	19.5	20.9	14.7	13.7	1.7	3.5/795
12BSPa	19.05	12.07	11.68	5.72	22.5	24.2	16.0	15.0	1.85	4.2/1023
16BSPa	25.40	15.88	17.02	8.28	36.1	37.4	21.0	21.0	4.15/3.1	7.5/1023

工程塑料内链节轻型输送链
ENGINEERING PLASTICS INNER LINK LIGHT -DUTY CONVEYOR CHAINS



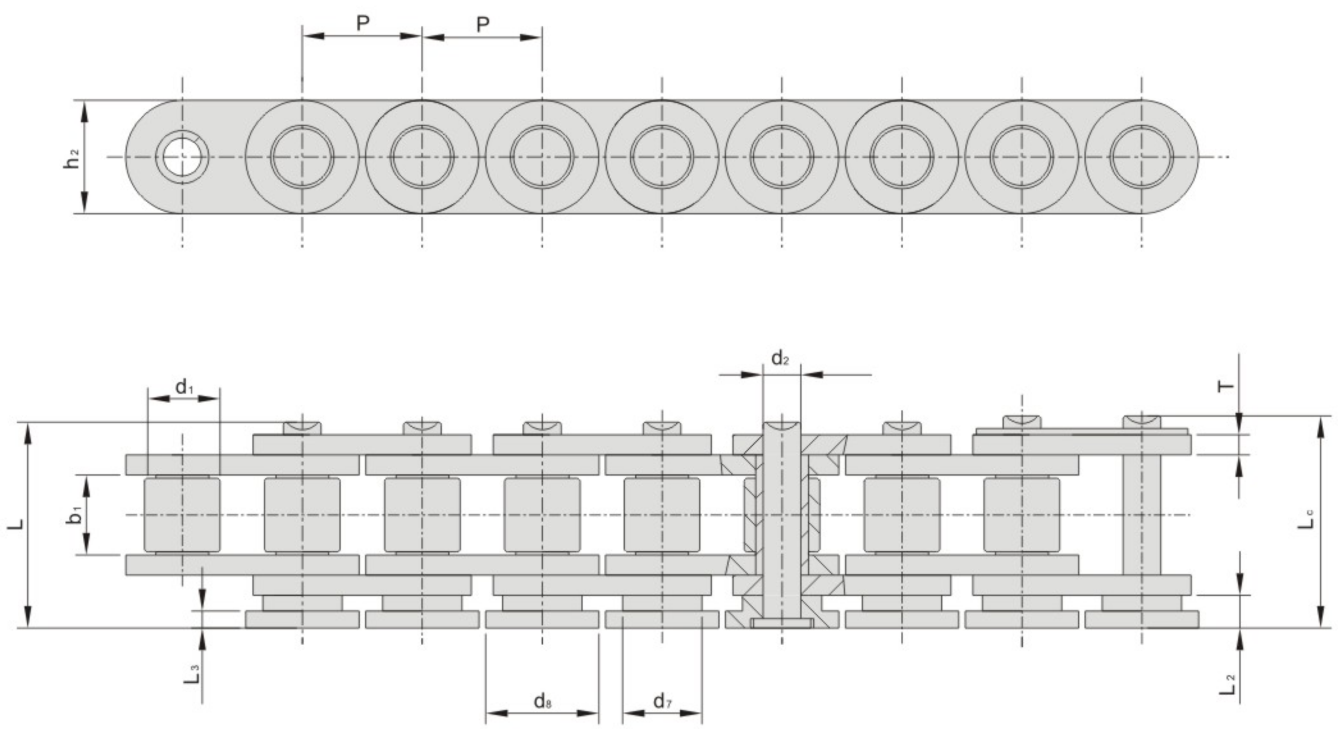
链号 Chain No.	P	d_1 max	b_1 min	d_2 max	L max	H	
	mm	mm	mm	mm	mm	mm	
06CSPa	9.525	4.68	3.58	9.0	9.5	20.8	21.6
08ASPa	12.7	7.85	3.96	12.0	9.5	25.1	26.2
10ASPa	15.875	9.40	5.08	15.1	11.9	31.3	33.1
12ASPa	19.05	12.75	5.94	18.0	14.3	38.6	40.6
16ASPa	25.40	15.75	7.92	24.0	19.1	50.3	53.3
08BSPa	12.7	7.75	4.45	11.8	9.5	25.1	26.6
10BSPa	15.875	9.65	5.08	14.7	11.9	30.1	31.5
12BSPa	19.05	11.68	5.72	16.0	14.3	35.4	37.1
16BSPa	25.40	17.02	8.28	21.0	19.1	53.0	54.3

双边侧滚链
DOUBLE SIDES ROLLER ATTACHMENT CHAIN



永利百合 链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter		销轴直径 Pin diameter	销轴长度 Pin length		内节内宽 Width between inner plates	内链板尺寸 Plate dimension		极限拉伸载荷 Ultimate tensile strength	每米长重 Weight per meter
	P	d_1 max	d_8 max	d_2 max	L max	L_c max	b_1 min	h_2 max	T max	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
C2040S-SSR	25.4	7.95	15.88	3.96	25.8	27.6	7.85	12	1.5	13.8	0.99
C2050S-SSR	31.75	10.16	19.05	5.08	31.8	34	9.4	15	2.03	21.8	1.52
C2060S-SSR	38.1	11.91	22.23	5.94	42.6	45.6	12.57	18	2.42	31.1	2.56
C2080S-SSR	50.8	15.88	28.58	7.92	53	57.6	15.75	24	3.25	56.7	4.3
C2100S-SSR	63.5	19.05	39.69	9.53	64.2	68.7	18.9	30.1	4	88.5	7

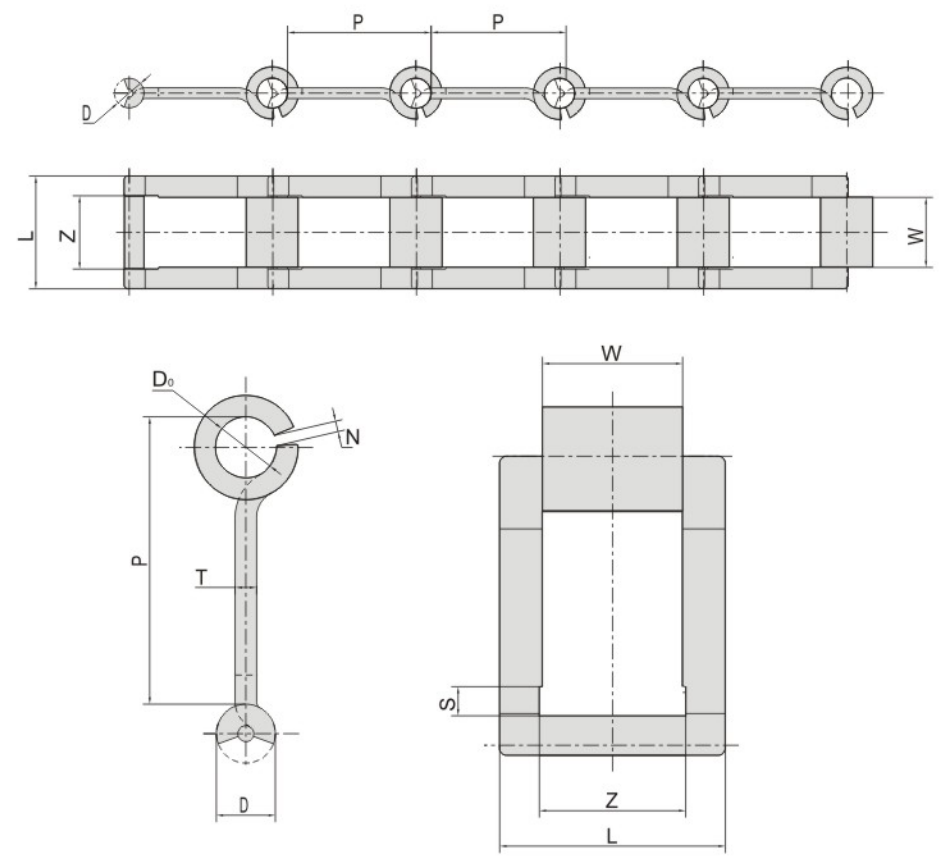
单边侧滚链
SINGLE SIDE ROLLER ATTACHMENT CHAINS



永利百合链号 UNIBear Chain No.	节距 Pitch	内节内宽 Width between inner plates	滚子直径 Roller diameter	附件尺寸 Attachment dimensions				销轴尺寸 Pin dimensions			链板尺寸 Plate dimensions		极限拉伸载荷 Ultimate tensile strength
	P	b_1 min	d_1 max	d_8 max	d_7 max	L_2 max	L_3 max	d_2 max	L min	L_c min	h_2 max	T	Q min
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN
06B-F	9.525	5.72	6.35	9.0	6.4	5.2	2.7	3.28	17.1	18.0	8.2	1.3	8.9
*06CF	9.525	4.68	5.08	9.0	6.4	5.2	2.7	3.58	16.3	17.6	8.7	1.3	7.9

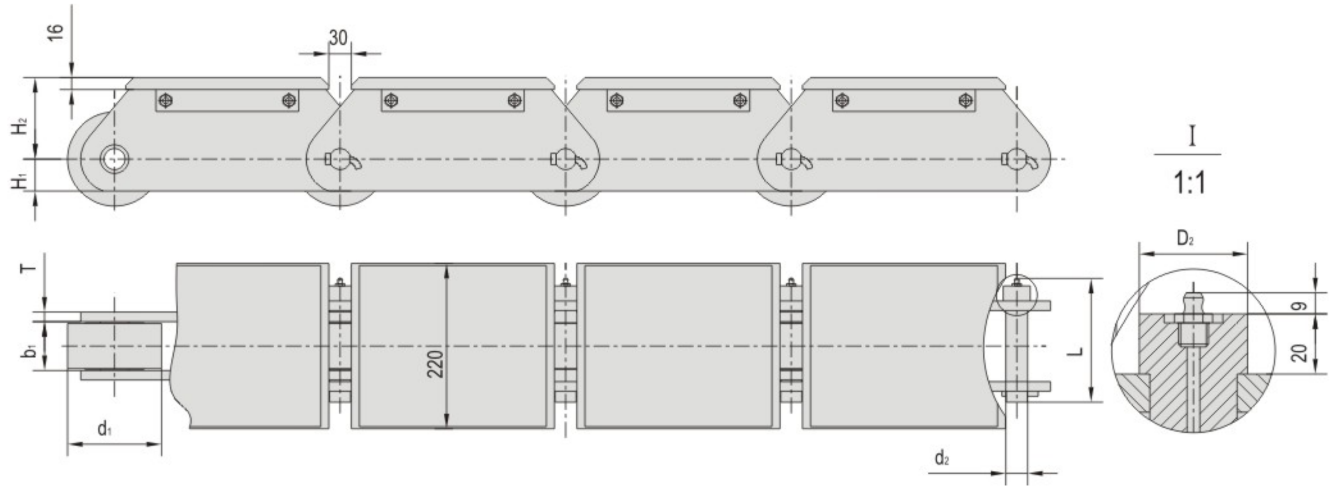
*套筒链：表中滚子直径为套筒直径。
Bushing chain: d_1 in the table indicate the external diameter of the bushing.

钢制易拆链
STEEL DETACHABLE CHAINS



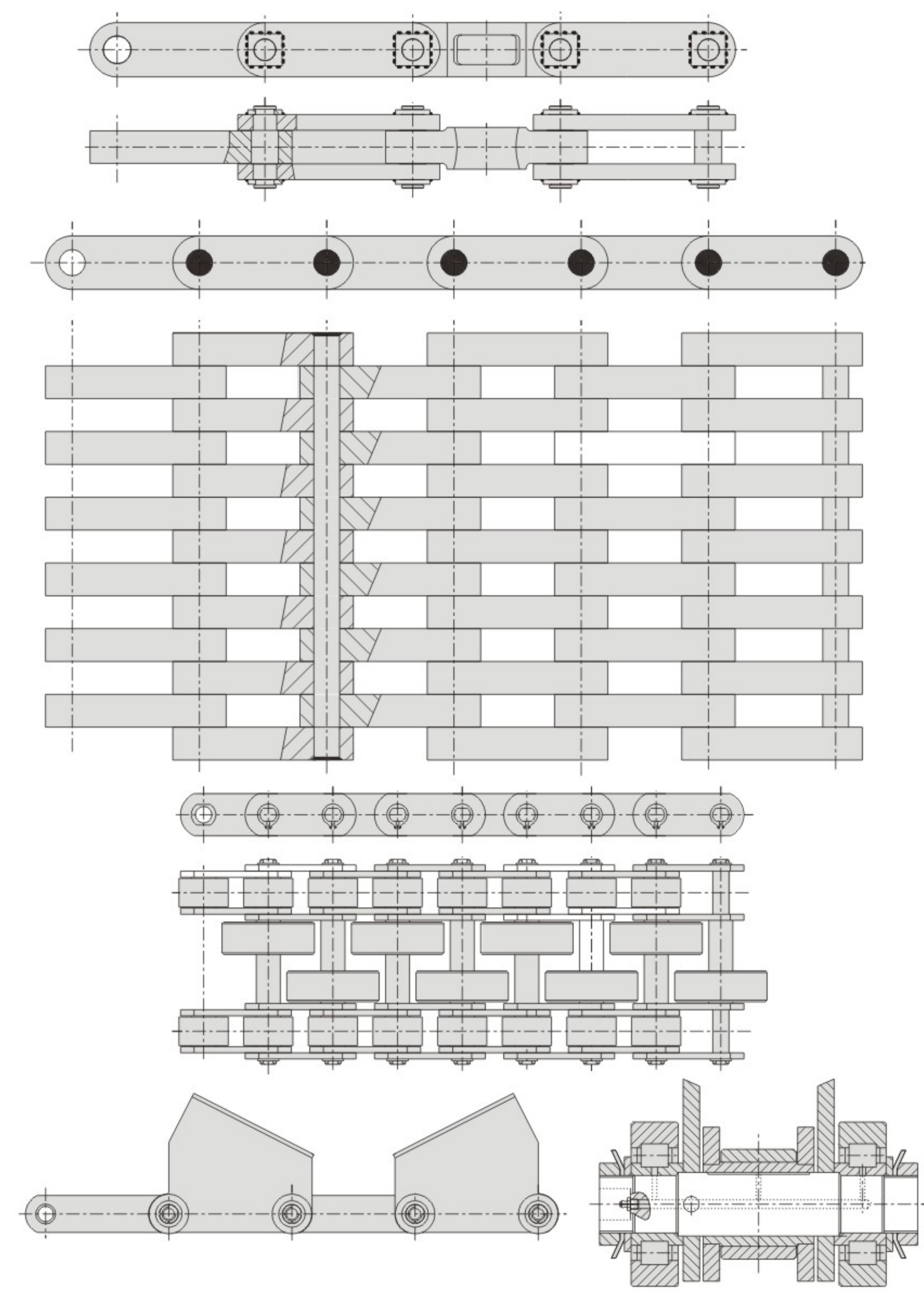
永利百合链号 UNIBear Chain No.	节距 Pitch	链板宽度 Plate width	尾体内宽 Cauda inner width	配合高度 Fitting height width	钩套外宽 Hook outer width	钩套内径 Hook inner diameter	尾体外径 Cauda outer diameter	间隙 Clearance	链板厚度 Plate thickness	极限拉伸载荷 Ultimate tensile strength
	P	L	Z	S	W	D_0 min	D max	N min	T	Q min
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN
32	29.39	23.81	15.5	2.54	15.08	6.35	6.10	2.03	2.30	5.87
32W	29.39	27.00	15.5	2.54	15.08	6.35	6.10	2.16	2.40	5.87
T32	29.39	28.00	16.90	2.54	16.50	6.35	6.10	2.16	2.40	5.87
45	41.40	30.95	20.5	2.80	19.84	10.0	8.51	2.41	2.70	7.47
52	38.30	35.71	21.9	3.17	21.44	8.28	8.13	2.79	3.10	9.61
55	41.40	32.54	20.65	3.30	20.22	8.78	8.51	2.92	3.15	9.96
62	42.01	39.69	25.45	3.94	24.94	9.14	9.02	3.51	3.75	15.66
67H	58.75	47.62	28.19	5.16	27.76	12.95	12.70	4.44	4.70	19.57

钢厂用输送链
CONVEYOR CHAINS FOR STEEL MILL

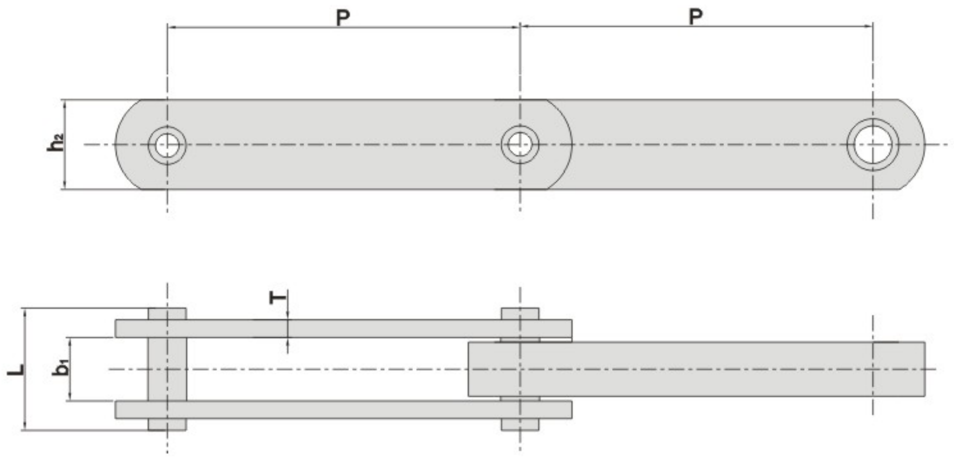


永利百合链号 UNIBear Chain No.	节距 Pitch	滚子直径 Roller diameter	内节内宽 Width between inner plates	销轴直径 Pin diameter		销轴长度 Pin length	链板尺寸 Plate dimensions			平均拉伸载荷 Average tensile strength	每米长重 Weight per meter
	P	d_1 max	b_1 min	D_2	d_2 max	L max	H_1	H_2	T	Q_0 min	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
YT60300	300	125	65.0	36	28	165	42.5	108.5	12.7	588	90
YT60400	400										82
YT60500	500										78
YT90300	300	135	79.0	36	30	179	54.0	115.0	12.7	883	99
YT90400	400										91
YT90500	500										87
YT130300	300	150	84.0	46	38	197	61.0	120.0	16.0	1270	123
YT130400	400										112
YT130500	500										105
YT160400	400	175	91.0	46	41	205	69.0	139.5	16.0	1570	135
YT160500	500										126
YT160600	600										118
YT200600	600	180	102.6	50	45	229	76.0	135.0	19.0`	1960	141

钢厂用输送链
CONVEYOR CHAINS FOR STEEL MILL



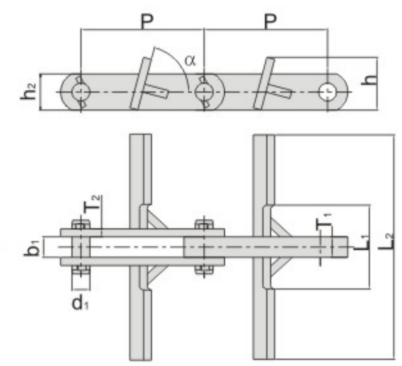
钢厂用输送链
CONVEYOR CHAINS FOR STEEL MILL



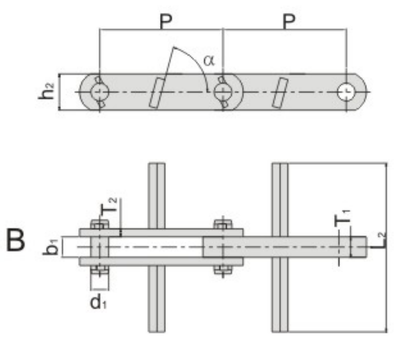
永利百合链号 UNIBear Chain No.	节距 Pitch	外节内宽 Width between outer plates	链板高度 Plate depth	外链板厚度 Outer plate thiickness	销轴长度 Pin length	平均拉伸载荷 Average tensile strength	每米长重 Weight per meter
	P	b_1	h_2	T	L	Q_0	q
	mm	mm	mm	mm	mm	KN	kg/m
YLG3150	150	23.0	38.1	7.9	47	294	7.0
YLG3200	200						6.8
YLG4150	150	26.5	44.5	7.9	50	392	9.0
YLG4200	200						8.5
YLG5200	200	29.5	55.0	9.5	57	490	12.5
YLG5250	250						12.1
YLG6200	200	31.5	57.0	9.5	59	588	13.7
YLG6250	250						13.0
YLG6300	300						12.7
YLG7200	200	33.5	63.5	9.5	61	686	16.2
YLG7250	250						15.5
YLG7300	300						15.2
YLG9200	200	38.0	72.0	10.5	68	882	21.0
YLG9250	250						20.0
YLG9300	300						19.5
YLG11250	250	42.0	76.2	12.7	76	1078	25.0
YLG11300	300						24.0
YLG14250	250	47.5	85.0	14.0	84	1372	32.0
YLG14300	300						31.0

钢厂用输送链
CONVEYOR CHAINS FOR STEEL MILL

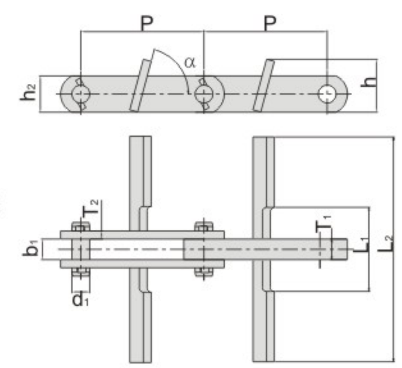
A 型
Type A



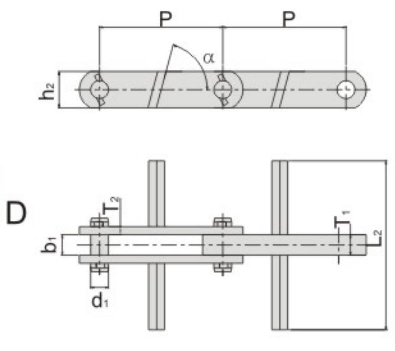
B 型
Type B



C 型
Type C



D 型
Type D



永利百合链号 UNIBear Chain No.	节距 Pitch	外节内宽 Width between outer plates	销轴直径 Pin diameter	链板高度 Plate depth	链板厚度 Plate thiickness		刮板尺寸 Scraper dimension				极限拉伸载荷 Ultimate tensile strength	型号 Type
					内链板 Inner plates	外链板 Outer plates						
	P	b_1 min	d_2 max	h_2	T_1	T_2	L_1	L_2	h	α	Q min	
	mm	mm	mm	mm	mm	mm	mm	mm	mm		KN	
GS31F	152.4	32.5	22	45	25.4	10	106	280	65.5	75°	224.0	A
GS43F	152.4	34.0	22	45	28.0	12	115	400	80.5	90°	224.0	A
HS200	152.4	32.5	22	45	25.4	10		160		75°	224.0	B
HS250	152.4	32.5	22	45	25.4	10	108	210	65.5	75°	224.0	B
HS310	152.4	32.5	22	45	25.4	10	108	270	65.5	75°	224.0	C
HS450	200.0	41.0	35	80	35.0	14	150	400	121.3	75°	600.0	C
HS250A	152.4	32.5	22	45	25.4	10		210		75°	224.0	D
HS310A	152.4	32.5	22	45	25.4	10		270		75°	224.0	D

《滚子链传动选择指导》（GB/T 18150-2006/ISO 10823：2004）标准已经公布。标准规定考虑链条实际传递功率时，应对主动链轮所传递的功率（即输入功率）进行修正。

实际传递功率（修正功率）=输入功率x工况系数x齿数系数

工况系数见下表所列，齿数系数=（19/Zs）1.08（Zs-小链轮齿数）

The standard of "Guidelines for the Selection of Roller Chain Drives"(GB/T 18150-2006/ISO 10823:2004)had been issued. If you try to calculate the actual transmission power of chain, you must consider revising the transmission power of driving sprocket (input power).
Actual power(Corrected power)=input power x service factor x teeth factor
Service factor is listed in the following table.
Teeth factor = (19/Zs)1.08 (Zs-tooth number of the small sprocket)

■ 工况系数表 **Service factor table**

从动机械特性 Driven Mechanism Characteristic	主动机械特性 Driving Mechanism Characteristic		
	平稳运转	轻微震动 Slight Vibration	中等振动 Medium Vibration
平稳运转 Smooth Running	1.0	1.1	1.3
中等振动 Medium Vibration	1.4	1.5	1.7
严重振动 Severe Vibration	1.8	1.9	2.1

世界各国历史悠久的链条工厂都制定有自己的链传动功率曲线和功率图。GB/T 18150-2006/ISO 10823：2004 标准也建立了特定条件下的功率曲线图，选择链条传动功率或由传动功率选择链条，前提是已知小链轮齿数和转速，链条实际传递的功率在功率曲线图的额定功率范围内，所选择的链条才是合适的。

现以工农十二型手扶拖拉机传动部分和旋耕部分的传递功率，验算链条选择是否合理。

The chain factories with long history in the world have their own chain transmission power rating graph and power diagram. We can refer to the GB/T 18150-2006/ISO 10823:2004 standard selecting the drive power or selecting chain according to the drive power, the condition is that we should know the tooth number of the small sprocket and its speed. Only if the actual power is within the range of rating power of the power rating graph, the selection is correct.

Now we use the transmission part in walking tractor and the transmission power in rotary tillage to prove whether the chain selection is correct.

1. 传动部分

小链轮转速 ns=1351转/分 小链轮齿数Zs=14 经修正后的实际传递功率=10.944马力=8.16千瓦

由B系列滚子链功率曲线得知，选择08B-2滚子链是合适的。

Chain drive part
Small sprocket speed ns=1351 Tooth number of small sprocket Zs=14
Actual power (Corrected power)=10.944hp=8.16kW
From B series horsepower rating graph, you will find selected 08B-2 chain is suitable.

2. 旋耕部分

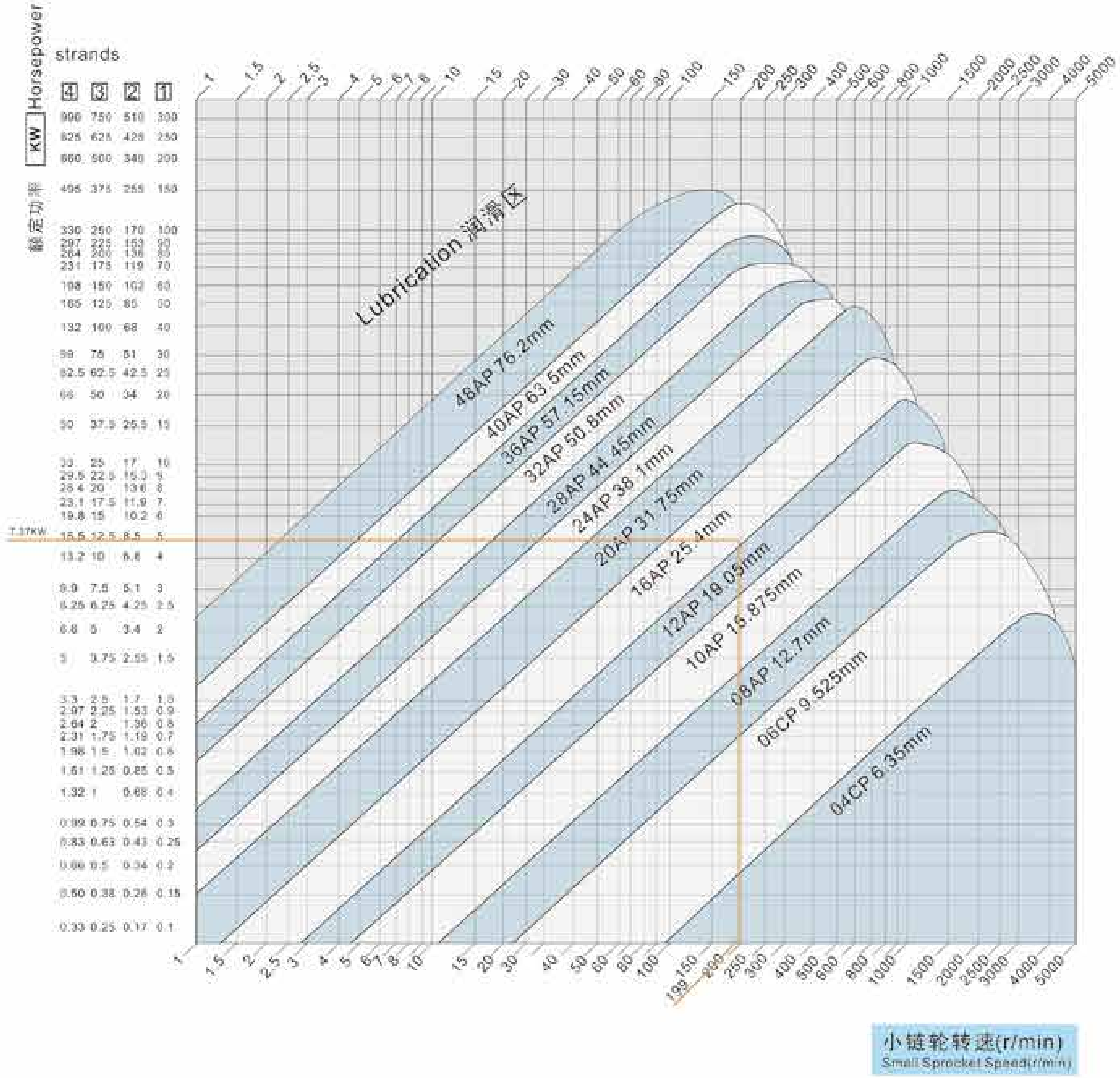
小链轮转速 ns=199转/分 小链轮齿数Zs=13 经修正后的实际传递功率=9.888马力=7.37千瓦

由A系列滚子链功率曲线得知，选择12A-2滚子链是不合适的，选型偏小，正确选用应采用16A-1滚子链或60H-2重载型滚子链。

Rotary tillage chain part
Small sprocket speed ns=199 Tooth number of small sprocket Zs=13
Actual power (Corrected power)=9.888hp=7.37kW
From A series horsepower rating graph, you will find selected 12A-2 chain is unsuitable. You should choose 16A-1 or 60H-2 Heavy duty roller chain instead of 12A-2.

本功率曲线图的特定条件主要是：
小链轮齿数为19；
链条长度为120个节距；
传动比从1：3到3：1；
链传动的预期使用寿命为15000小时。

The main characteristics of this power graph are as follows
Tooth number of small sprocket =19
Chain length:120 pitches
Transmission ratio:1:3 to 3:1
Service life of chain:15000 hours



注：多排链的额定功率可由排链的额定功率乘以排数系数得到。

Note: The rating power of multiple strand chain can be obtained by multiplying the strand factor by the rating power of single strand chain.

■ 排数系数表 Strand factor table

排数 Number of strand	1	2	3	4	5	6
系数 Factor	1.0	1.7	2.5	3.3	4.1	4.9

链条传动的润滑取决于使用场合、温度、链条线速度等。

1. 使用场合影响

开式传动如各类联合收割机、割晒机等链条应采用油脂润滑。
闭式传动如手扶拖拉机链条传动箱，应采用机油润滑。

2. 温度影响

一般推荐在-5℃~+60℃范围内使用润滑。
冬季采用粘度小的机油，夏季采用粘度大的机油。

3. 线速度影响

润滑方式直接与链条线速度有关，可参照下图选择润滑方式。

Lubrication of chain depends on the working environment, temperature, chain speed and so on.

1.Influence of working environment

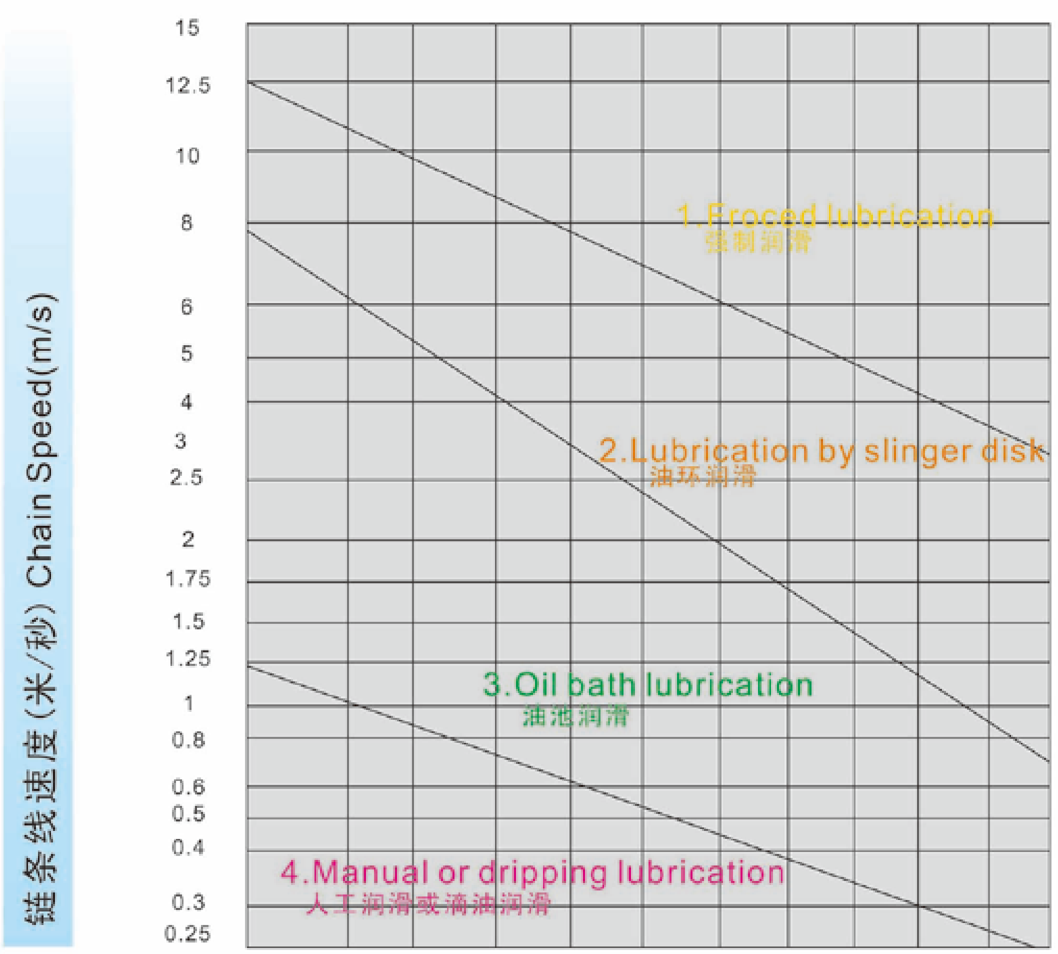
For open drive such as combine chain, swather chain etc., grease lubrication is recommended.
For closed drive such as walking tractor chain transmission case etc., oil lubrication is recommended.

2.Influence of temperature

Application in the temperature range of -5℃ to +60℃ is recommended.
In winter, lower viscosity oil is recommended; But in summer, higher viscosity oil is recommended.

3.Influence of chain speed

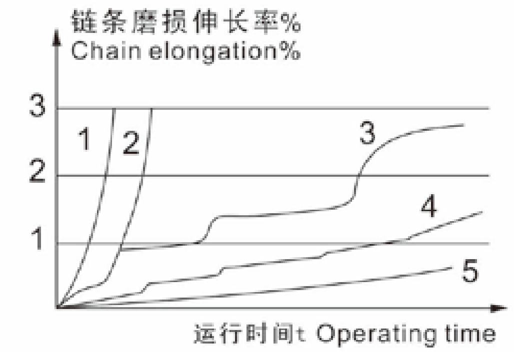
The lubrication method is related to chain speed.
Refer to the following chart for details, please.



链传动的润滑
Lubrication

运行在链轮上的链条由于销轴处铰链的相对回转而产生磨损。因此有效的润滑就显得至关重要，其不仅可以有效降低磨损且能降低功率损耗和噪音。

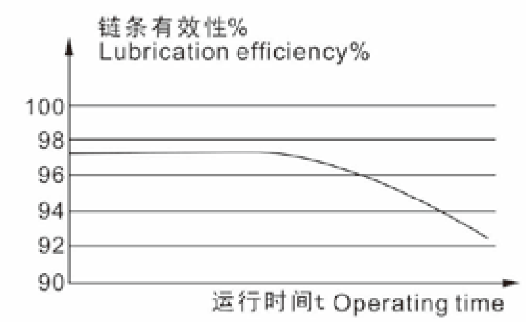
Wear is mainly caused by bearing pressure, angle-sliding movements of the pins and rotation of the rollers etc.. Effective lubrication of the chain hinges is utmost important for reducing wear, power loss and noise etc. effectively.



曲线1：干摩擦：链条由于干摩擦引起严重磨损而致使其短时间内迅速磨损失效；
曲线2：仅有初始润滑：链条因仅有初始润滑，故其磨损在润滑剂用完迅速增加；
曲线3：人工润滑：链条因人工润滑而频繁产生间歇性干磨察，特别是在人工润滑不能符合润滑周期要求时；
曲线4：不恰当的润滑：链条被使用了不恰当的润滑，比如劣等、脏的、不合适的粘度或不足的润滑剂，而引起的链条不均匀磨察；
曲线5：正确的润滑：可以看出其对链条使用寿命的至关重要性。

Curve 1: Without lubrication. Chain would be worn out and destroyed within a very short time.
Curve 2: Optimum initial lubrication only. High wear would occur within a short time after the lubricant has been used up.
Curve 3: Manual lubrication. Intermittent dry rub frequently occurs, especially when regular periodical relubrication is not well implemented.
Curve 4: Incorrect lubrication. Uneven chain wear results from incorrect lubrication.
Curve 5: Correct lubrication. The right lubrication is the utmost important to obtain a optimum service life.

润滑和有效性
Lubrication and efficiency



左图显示了润滑有效性随运行时间的变化
The left graph shows the efficiency of lubrication decrease with operating time.

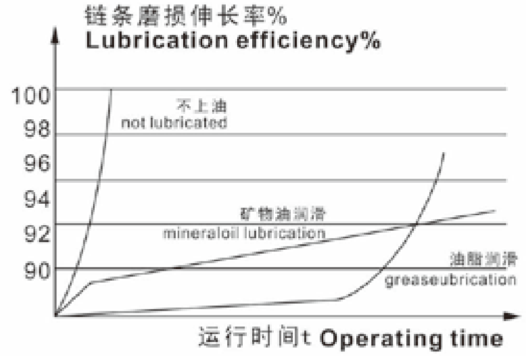
当摩擦副表面变色时表明润滑已失效，在此之前应进行再次润滑。
具体的润滑失效间隔时间应依据特定的工况和运行条件进行试验测定。

Relubrication shall be done before discoloration of the rub surface which indicates the lubrication failure of the former lubrication, The specific lubrication intervals shall be determined by tests based on specific conditions and running conditions.

润滑剂
Lubricant

润滑剂的选择首先取决于润滑方式
First of all, the selection of an appropriate lubricant depends on the type of lubrication.

如右图所示，低粘度的矿物油特别适合链传动
Just as the right diagram shows, low viscosity mineral oils are particularly suitable for chain drives.



推荐的不同工作温度下的润滑剂应具备的粘度
Recommended viscosity

环境温度 Ambient temperature℃	润滑剂粘度 Viscosity of lubricant
-5℃~+25℃	N100(ISO VG 100)
-25℃~+45℃	N150(ISO VG 150)
-45℃~+60℃	N220(ISO VG 220)

若使用温度更高(如炉箱链)或使用环境很恶劣、泥浆四溅等开式或重载低速链传动时，二硫化物(MoS2，WS2)或硒化物(MoSe2，WSe2)无论是用作添加剂还是直接喷润都能提高润滑性能。

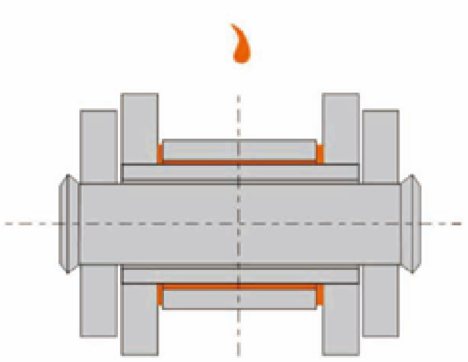
低粘度或滴点在70℃左右的润滑脂同样适用于人工润滑。在某些特殊的场合使用液化的润滑脂进行喷润。不稳定的物质挥发完后即可开始工作。

无论采用何种润滑剂和润滑方式，最重要的问题是使润滑剂能及时充分均匀的分布到构成摩擦副的链节铰链处的间隙中(销轴-套筒之间，套筒-滚子之间)。

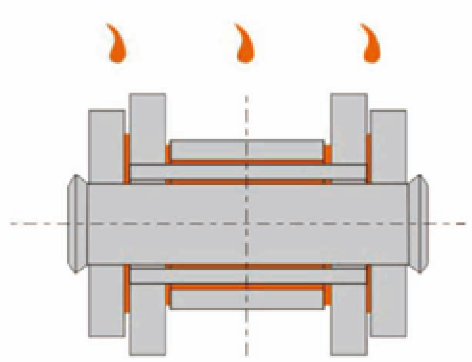
For higher temperatures(e.g. furnace chains) or severe operating conditions,mud spattering open-type etc. or heavy-duty low speed chains, graphite or molybdenum disulfide (MoS**2**)applied either as additive or spray will improve lubrication performance.

Low-viscosity or the grease products with a drop point of 70℃ are also suitable for manual lubrication. Liquidized grease may be sprayed on the chains in special conditions and chains can start running immediately after the evaporation of thevolatile carrier substance.

No matter which kind of lubricants and lubrication methods choosed, the most important issue is to ensure the lubricant flow into evenly (between pin and bush, between bush and roller).



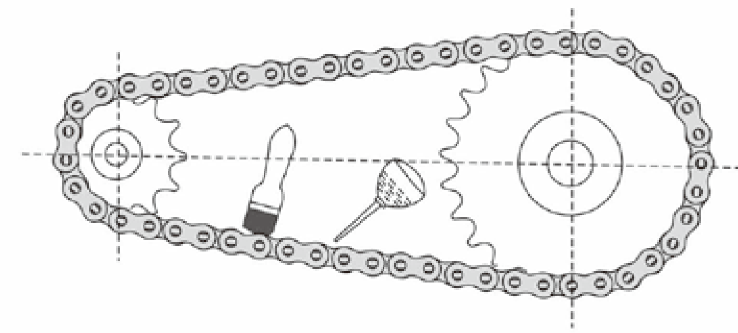
a)错误的给油方式
Incorrect method



b)正确的给油方式
Correct method

润滑方式选择 Selection of lubrication method

常见的润滑方式有以下5种：
Normally, there are five lubrication methods as below:

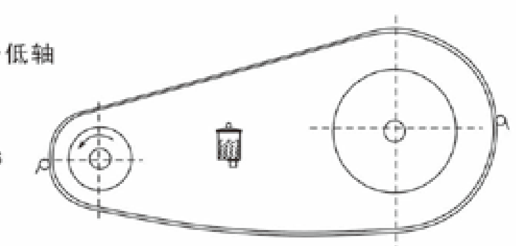


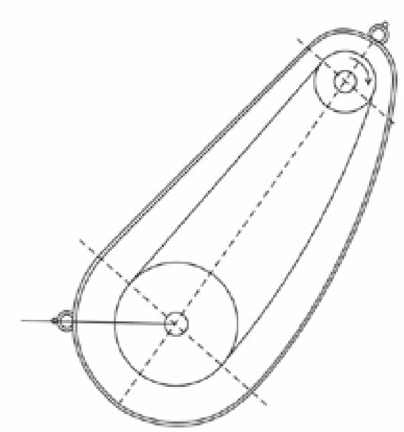
1. 人工润滑
用刷子或油壶定期在链条松边内外链板间隙处加油。这种方式可靠性不高，因此仅适用于非经常工作的链条或低速二级传动中。至少应每天充分润滑一次（若条件允许，应每隔8小时注油一次），应尽可能避免产生润滑剂的变色现象。

1.Manual lubricationx
This type of lubrication by means of oil can and brush, which adding lubricant into the gap between outer and inner linkplate of chain loose side periodically is not very safe and therefore this type lubrication is only suitable for those chains with occasional operation or for those secondary drives and low chain speeds. Sufficient lubrication should take place at least once a day (if possible once every eight running hours). Lubricant colouration should be avoided as far as possible.

2. 滴油润滑
用油芯加油器，针阀式注油杯或滴油油杯加油，这种方式仅适用于低轴压比的传动，应尽可能避免产生润滑剂的变色现象。

2. Drip lubrication
Drip lubrication by means of wick oilers, needle oilers or drip oilers is only suitable for low bearing pressure drives. Lubricant colouration should be avoided as far as possible.





3. 油池润滑（亦称油浴润滑）
在一个大小合适的链箱中（使用过的已磨损伸长的链条不应能撞击到箱边）拥有足够的润滑油以使链板边至滚子或套筒处能进入，但浸入不宜过浅或过深。浸入过浅则润滑不可靠；浸入过深则油易发热氧化变质且搅油损失大。

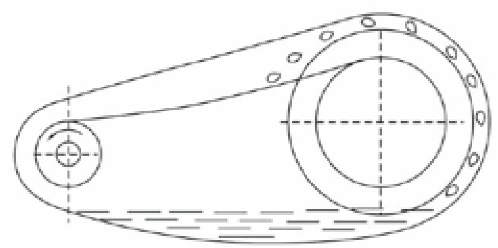
3.Oil bath lubrication (submerged lubrication)
There is just enough oil in a proper chain box for preventing the worn and elongated chain knocking against the casing wall to allow the chain plates to submerge into the bath up to the rollers or the bushings respectively. But immersion should not be too deep or too shallow. Too shallow immersion lubrication is not reliable. Too deep immersion may cause the oil to heat up and lead to untimely oxidation of the oil.

4. 油环润滑（亦称飞溅润滑）

链条运行在油面上方。一个能浸入到油中约12.7mm~25.4mm的甩油盘利用离心力将油飞溅起来并利用箱体上的集油装置持续不断的导流到链条上。甩油盘的圆周速度应大于3m/s，一般不超过12.5m/s，最大不应超过40m/s。当链条宽度超过127mm时，应在链轮两侧都装甩油盘。

4.Oil-ring lubrication (splash lubrication)

With this type of lubrication, the chain operates above oil level. A disk submerging into the lower oil level, the depth is about 12.7mm-25.4mm, Peripheral velocity between min.3m/s and max. 40m/s,normally not bigger than 12.5m/s,centrifuges oil against the casing walls from where it continuously runs down onto the chain via drip rails. The disk should be mounted on both sides of sprocket when the chain width above 127mm.

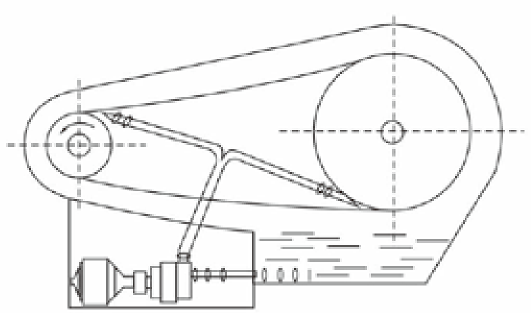


5. 强制润滑（亦称压力润滑）

此润滑方式适用于高速载重型传动。通过油泵和注油管强制供油润滑并起到循环冷却链条的效果。喷油嘴应布置在链条与链轮的啮入处且数目应比链条排数多一个以使其对准每列链板的间隙处。

5.Force feed lubrication (pressure lubrication)

This type of lubrication is suitable for high-speed and heavy-duty type drives. Force feed lubrication is carried out to realize the circulating cooling of chains by means of oil pump and oil feeding pipe. The spray nozzles should be situated near the gearing places of chain and sprocket, and the nozzle number should be one more than the chain strands number to make them aim at the gap of each row link plate.



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