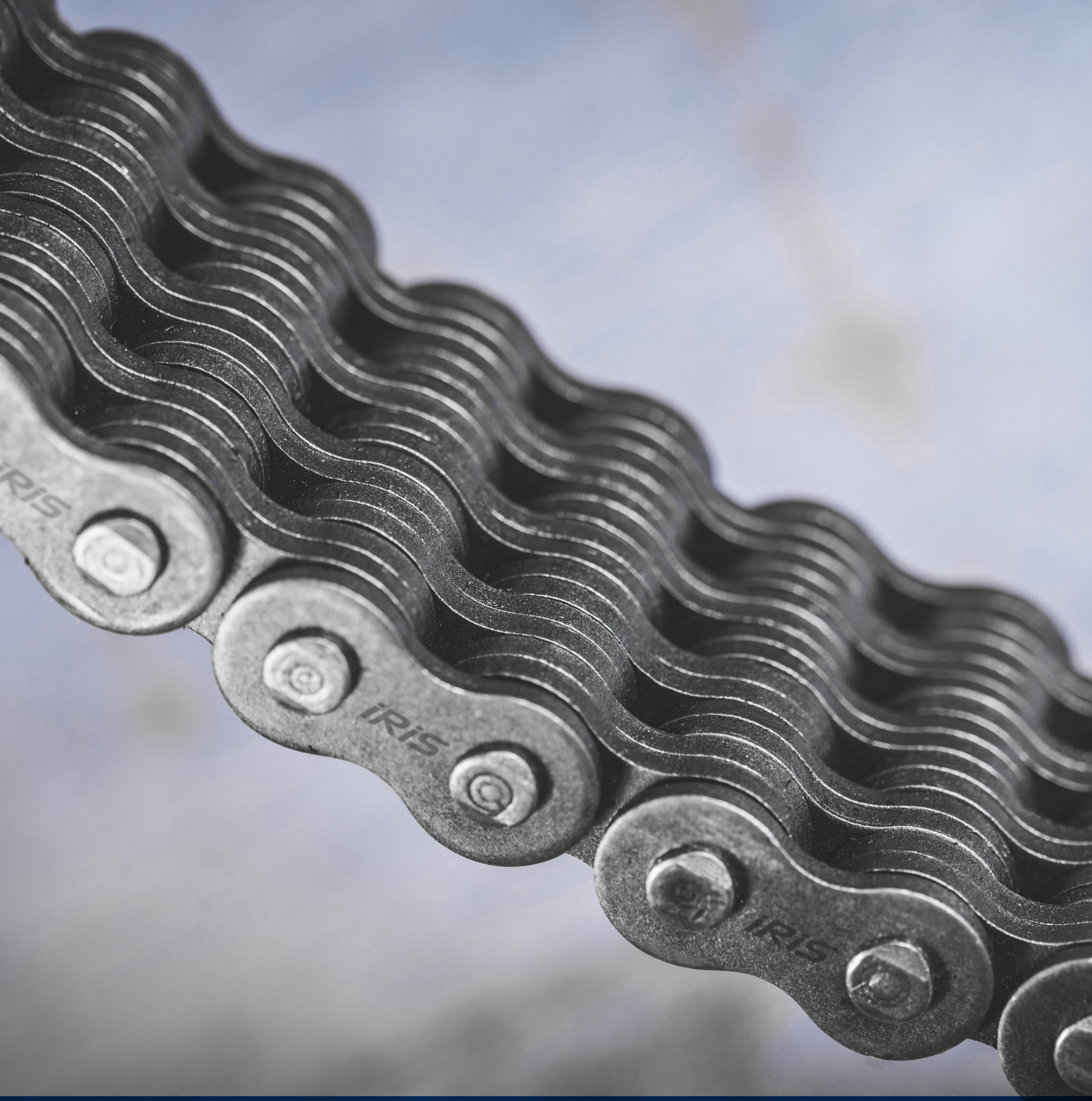

iRiS chains

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SINCE 1935

Leaf chains and multi-strand chains

Leaf chains are designed to handle heavy loads. Compared to precision roller chains, leaf chains have higher strength ratings suitable for high load and high impact environments

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Leaf chains and multi-strand chains

Leaf chains are designed to handle heavy loads. Compared to precision roller chains, leaf chains have higher strength ratings suitable for high load and high impact environments. Widely used for lifting and hoisting purposes, leaf chains are often seen on equipment such as lift trucks, boom trucks, forklifts, automobile parking towers, inter-modal container lifts and freight elevators.

The composition of the leaf chains is simple. Leaf chains are composed of stacks of link plates and pins. The outer links are press-fitted to the pins. Pins are then riveted to secure the press fit and lock the parts in position to prevent the pins from rotating. Centre links are slip-fitted to the pins. The number of link plates varies based on the chain lacing.

All chains are available in delta-tone and stainless steel construction, for outstanding corrosion resistance.

SERVICES

Many references ***available in stock***

Specific product *on request*

Matched pairs *on request for chains working in parallel*

Chains of any length

Technical assistance

Highlights

- Higher fatigue strength due to optimised press fit of pin and outer plate.
- Higher tensile strength due to optimised plate strength
- Higher wear resistance
- Minimal elongation due to wear and a long service life

Industries

- Forklift trucks
- Lifting devices
- Machine tools
- Steelmaking industry
- Container pallet jacks

GENERAL CAUTIONS

1. *Never electroplate an assembled Leaf chain or its components. Plating could result in failure from hydrogen embrittlement.*
2. *Do not attempt to rework damaged chains by only replacing only the components that are clearly faulty. The entire chain may be compromised and should be discarded.*
3. *Welding should not be performed on any chain or component. Welding spatter should never be allowed into come in contact with chain or components.*
4. *Leaf chains are manufactured exclusively from heat-treated steels and, therefore, must not be annealed. If heating a chain with a cutting torch is absolutely necessary for removal, the chain should not be reused.*
5. *Joining chains together should only be done by the chain manufacturer.*
6. *The minimum ultimate strength of a chain means the minimum load at which it will break when subjected to a destructive tensile test. It does not mean working load.*
7. *Chains from different manufacturers should not be used in the same application.*
8. *Use lengths of factory-assembled chain. Do not build lengths from individual components.*

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Leaf chains Light Series LL ISO 4347 / DIN 8152

Application: where it is important to have a high ratio between breaking load and weight, and low cost. This series is used in cases where the load applied is essentially static, with infrequent articulations on the pulleys and low speeds.

Most common combinations: 2x2, 4x4, 6x6.

ISO SERIES

DIN/ISO No.	Material	Pitch P mm	Plate lacing d1 max mm	Plate depth h2 max mm	Plate thickness T max mm	Pin diameter d2 max mm	Pin length L max mm	min. Tensile strength Q min KN	Average tensile strenght Q_0 KN	Weight per meter q kg/m	Clevis Pins d3 mm	Clevis Pins L1 mm	Clevis Pins x mm	min. Tensile strength Stainless steel Q min KN
LH0822	CS, DT, SS	12,70	2x2	12,70	2,08	5,09	10,7	22,2	27,6	0,64	1,6	14,8	8,8	13,13
LH0823	CS, DT, SS		2x3				12,8	22,2	27,6	0,79	1,6	17	11	13,13
LH0834	CS, DT, SS		3x4				16,8	33,4	41,4	1,1	1,6	21,4	15,4	19,76
LH0844	CS, DT, SS		4x4				19,2	44,5	56	1,24	1,6	23,5	17,5	26,33
LH0846	CS, DT, SS		4x6				23	44,5	56	1,5	1,6	29,9	21,9	26,33
LH0866	CS, DT, SS		6x6				27,1	66,7	81,7	1,84	1,6	32,3	26,3	39,46
LH0888	CS, DT, SS		8x8				35,4	89	109,4	2,48	1,6	41,8	35,5	52,65
LH1022	CS, DT, SS	15,875	2x2	15,09	2,44	5,96	12,5	33,4	42,8	0,94	2	17,7	10,5	19,76
LH1023	CS, DT, SS		2x3				14,9	33,4	42,8	1,16	2	20,3	13,1	19,76
LH1034	CS, DT, SS		3x4				20,2	48,9	63,6	1,62	2	25,5	18,3	28,93
LH1044	CS, DT, SS		4x4				22,4	66,7	84,5	1,84	2	28	20,9	39,46
LH1046	CS, DT, SS		4x6				27,4	66,7	84,5	2,3	2	33,2	26	39,46
LH1066	CS, DT, SS		6x6				32,1	100,1	125,1	2,94	2	38,5	31,2	59,22
LH1088	CS, DT, SS		8x8				42	133,4	169,5	3,64	2	48,8	41,7	78,92
LH1222	CS, DT, SS	19,05	2x2	18,11	3,30	7,94	17,37	48,9	63,6	1,45	3,2	25	14,2	28,93
LH1223	CS, DT, SS		2x3				20,73	48,9	63,6	1,8	3,2	28,5	17,7	28,93
LH1234	CS, DT, SS		3x4				27,43	75,6	102,6	2,5	3,2	35,5	24,7	44,72
LH1244	CS, DT, SS		4x4				30,78	97,9	122,3	2,9	3,2	38,8	28,3	57,92
LH1246	CS, DT, SS		4x6				37,49	97,9	122,3	3,6	3,2	46	35,2	57,92
LH1266	CS, DT, SS		6x6				44,2	146,8	190,8	4,3	3,2	52,8	42,5	86,85
LH1288	CS, DT, SS		8x8				57,61	195,7	238,8	5,8	3,2	66,8	56,6	115,78
LH1622	CS, DT, SS	25,40	2x2	24,13	4,09	9,54	21,34	84,5	180,2	2,2	3,2	28,5	17,8	49,99
LH1623	CS, DT, SS		2x3				25,48	84,5	180,2	2,7	3,2	32,9	22,1	49,99
LH1634	CS, DT, SS		3x4				33,76	129	134,6	3,8	3,2	41,7	30,8	79,32
LH1644	CS, DT, SS		4x4				37,9	169	214,6	4,3	3,2	47,7	37	99,98
LH1646	CS, DT, SS		4x6				46,18	169	214,6	5,4	3,2	54,8	43,8	99,98
LH1666	CS, DT, SS		6x6				54,46	253,6	324,6	6,5	3,2	63,3	52,4	150,03
LH1688	CS, DT, SS		8x8				71,02	338,1	432,7	8,6	3,2	81,2	69,9	200,02
LH2022	CS, DT, SS	31,75	2x2	30,18	4,90	11,11	25,37	115,6	146,8	3,4	3,2	36,8	26,2	68,39
LH2023	CS, DT, SS		2x3				30,33	115,6	146,8	4,3	3,2	37	26,1	68,39
LH2034	CS, DT, SS		3x4				40,23	182,4	231,6	6	3,2	47,2	35,5	107,91
LH2044	CS, DT, SS		4x4				45,19	231,3	291,4	6,9	3,2	39,9	52	136,84
LH2046	CS, DT, SS		4x6				55,09	231,3	291,4	8,6	3,2	63	50,2	163,84
LH2066	CS, DT, SS		6x6				65	347	430,3	10,3	3,2	71,4	59,3	205,29
LH2088	CS, DT, SS		8x8				84,81	462,6	555,1	13,8	3,2	92,4	79,9	273,67
LH2422	CS, DT, SS	38,10	2x2	36,20	5,77	12,72	29,62	151,2	192	4,6	4	36,9	24,5	89,45
LH2423	CS, DT, SS		2x3				35,43	151,2	192	5,8	4	41,8	30	89,45
LH2434	CS, DT, SS		3x4				47,07	244,6	308,1	8,1	4	54,8	41,8	144,71
LH2444	CS, DT, SS		4x4				52,88	302,5	381,1	9,3	4	60	46,3	178,96
LH2446	CS, DT, SS		4x6				64,52	302,5	381,1	11,6	4	72,8	59,3	178,96
LH2466	CS, DT, SS		6x6				76,15	453,7	543,6	13,9	4	86,1	79,9	268,41
LH2488	CS, DT, SS		8x8				99,42	605	726	18,6	4	111,1	98,6	357,92

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL

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Leaf chains Light Series LL ISO 4347 / DIN 8152

ISO SERIES

DIN/ISO No.	Material	Pitch P mm	Plate lacing d1 max mm	Plate depth h2 max mm	Plate thickness T max mm	Pin diameter d2 max mm	Pin length L max mm	min, Tensile strength Q min KN	Average tensile strenght Q_0 KN	Weight per meter q kg/m	Clevis Pins d3 mm	Clevis Pins L1 mm	Clevis Pins x mm	min. Tensile strength Stainless steel Q min KN
LH2822	CS, DT, SS	44,45	2x2	42,24	6,55	14,29	33,55	191,3	225,7	6,1	4	39,4	27,6	113,17
LH2823	CS, DT, SS		2x3				40,16	191,3	225,7	7,6	4	46,9	33,9	113,17
LH2834	CS, DT, SS		3x4				53,37	315,8	372,6	10,6	4	60,3	46,9	186,83
LH2844	CS, DT, SS		4x4				59,97	382,6	451,2	12,2	4	71,1	58,6	226,35
LH2846	CS, DT, SS		4x6				73,18	382,6	541,2	15,3	4	80,2	67,1	226,35
LH2866	CS, DT, SS		6x6				86,39	578,3	682,4	18,2	4	97,7	85,1	342,12
LH2888	CS, DT, SS		8x8				112,8	765,1	902,8	24,3	4	121,6	108,6	452,63
LH3222	CS, DT, SS	50,80	2x2	48,26	7,52	17,46	39,01	289,1	341,1	8	5	42,1	35,3	171,03
LH3223	CS, DT, SS		2x3				46,58	289,1	341,1	10	5	51,3	37,6	171,03
LH3234	CS, DT, SS		3x4				61,72	440,4	519,6	14	5	66,5	52,8	260,54
LH3244	CS, DT, SS		4x4				69,29	578,3	680,4	16	5	82,9	65,7	339,46
LH3246	CS, DT, SS		4x6				84,43	578,3	680,4	20	5	89	75,3	342,12
LH3266	CS, DT, SS		6x6				99,57	857,4	1000,7	24	5	112,2	94,6	507,24
LH3288	CS, DT, SS		8x8				129,84	1156,5	1364,4	32	5	141,6	124	684,19
LH4022	CS, DT, SS	63,50	2x2	60,33	9,91	23,81	51,74	433,7	511,7	15,8	6,2	62,2	40	256,58
LH4023	CS, DT, SS		2x3				61,7	433,7	511,7	19,8	6,2	71,6	49,4	256,58
LH4034	CS, DT, SS		3x4				81,61	649,4	766,2	27,7	6,2	88,4	62,5	384,19
LH4044	CS, DT, SS		4x4				91,57	867,4	1023,5	31,6	6,2	101	78,8	513,15
LH4046	CS, DT, SS		4x6				111,48	867,4	1023,5	39,5	6,2	12,9	98,7	513,15
LH4066	CS, DT, SS		6x6				131,39	1301,1	1535,2	47,4	6,2	163,3	120,6	769,73
LH4088	CS, DT, SS		8x8				171,22	1734,8	2046,5	63,2	6,2	182,5	157,2	1.026,31

Leaf chains Heavy Series BL ISO 4347 / DIN 8152

Application: where higher fatigue and wear resistance are required.

Most common combinations: 2x3, 3x4, 4x6.

ISO SERIES

DIN/ISO No.	ANSI No.	Material	Pitch P mm	Plate lacing d1 max mm	Plate depth h2 max mm	Plate thickness T max mm	Pin diameter d2 max mm	Pin length L max mm	min, Tensile strength Q min KN	Average tensile strenght Q_0 KN	Weight per meter q kg/m	Clevis Pins d3 mm	Clevis Pins L1 mm	Clevis Pins x mm	min. Tensile strength Stainless steel Q min KN
LH0822	BL 422	CS, DT, SS	12,7	2 x 2	12,07	2,03	5,09	11,05	22,6	27,6	0,60	1,6	14,8	8,8	1 13,13
LH0823	BL 423	CS, DT, SS		2 x 3				13,16	22,6	27,6	0,75	1,6	17,0	11,0	13,13
LH0834	BL 434	CS, DT, SS		3 x 4				17,40	34,1	41,4	1,05	1,6	21,4	15,4	19,76
LH0844	BL 444	CS, DT, SS		4 x 4				19,51	45,4	56,0	1,20	1,6	23,5	17,5	26,33
LH0846	BL 446	CS, DT, SS		4 x 6				23,75	45,4	56,0	1,46	1,6	29,9	21,9	26,33
LH0866	BL 466	CS, DT, SS		6 x 6				27,99	68,0	81,7	1,77	1,6	32,3	26,3	39,46
LH0888	BL 488	CS, DT, SS		8 x 8				36,45	90,8	109,4	2,32	1,6	41,8	35,5	52,65
LH1022	BL 522	CS, DT, SS	15,875	2 x 2	15,09	2,42	5,96	12,90	34,1	43,1	0,90	2	17,7	10,5	19,76
LH1023	BL 523	CS, DT, SS		2 x 3				15,37	34,1	43,1	1,10	2	20,3	13,1	19,76
LH1034	BL 534	CS, DT, SS		3 x 4				20,32	49,9	65,6	1,50	2	25,5	18,3	28,93
LH1044	BL 544	CS, DT, SS		4 x 4				22,78	68,0	84,5	1,80	2	28,0	20,9	39,46
LH1046	BL 546	CS, DT, SS		4 x 6				27,74	68,0	84,5	2,20	2	33,2	26,0	39,46
LH1066	BL 566	CS, DT, SS		6 x 6				32,69	102,1	125,1	2,65	2	38,5	31,2	59,22
LH1088	BL 588	CS, DT, SS		8 x 8				42,57	136,1	169,5	3,50	2	48,8	41,7	78,92
LH1222	BL 622	CS, DT, SS	19,05	2 x 2	18,11	3,25	7,94	17,37	49,9	68,2	1,50	3,2	25,0	14,2	28,93
LH1223	BL 623	CS, DT, SS		2 x 3				20,73	49,9	68,2	1,80	3,2	28,5	17,7	28,93
LH1234	BL 634	CS, DT, SS		3 x 4				27,43	77,1	102,8	2,50	3,2	35,5	24,7	44,72
LH1244	BL 644	CS, DT, SS		4 x 4				30,78	99,9	136,9	2,90	3,2	38,8	28,3	57,92
LH1246	BL 646	CS, DT, SS		4 x 6				37,49	99,9	136,9	3,60	3,2	46,0	35,2	57,92
LH1266	BL 666	CS, DT, SS		6 x 6				44,20	149,7	214,2	4,30	3,2	52,8	42,5	86,85
LH1288	BL 688	CS, DT, SS		8 x 8				57,61	199,6	217,7	5,80	3,2	66,8	56,6	115,78

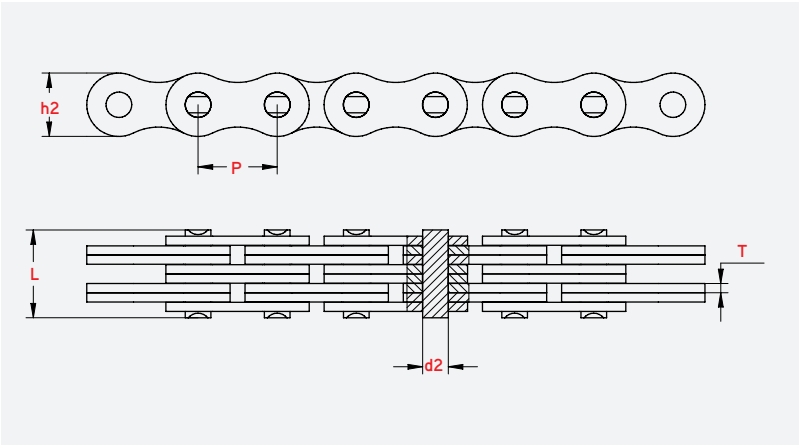
Leaf chains Heavy Series BL ISO 4347 / DIN 8152

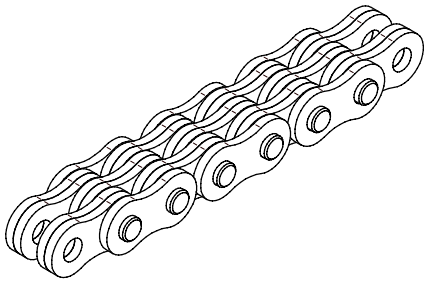
ISO SERIES

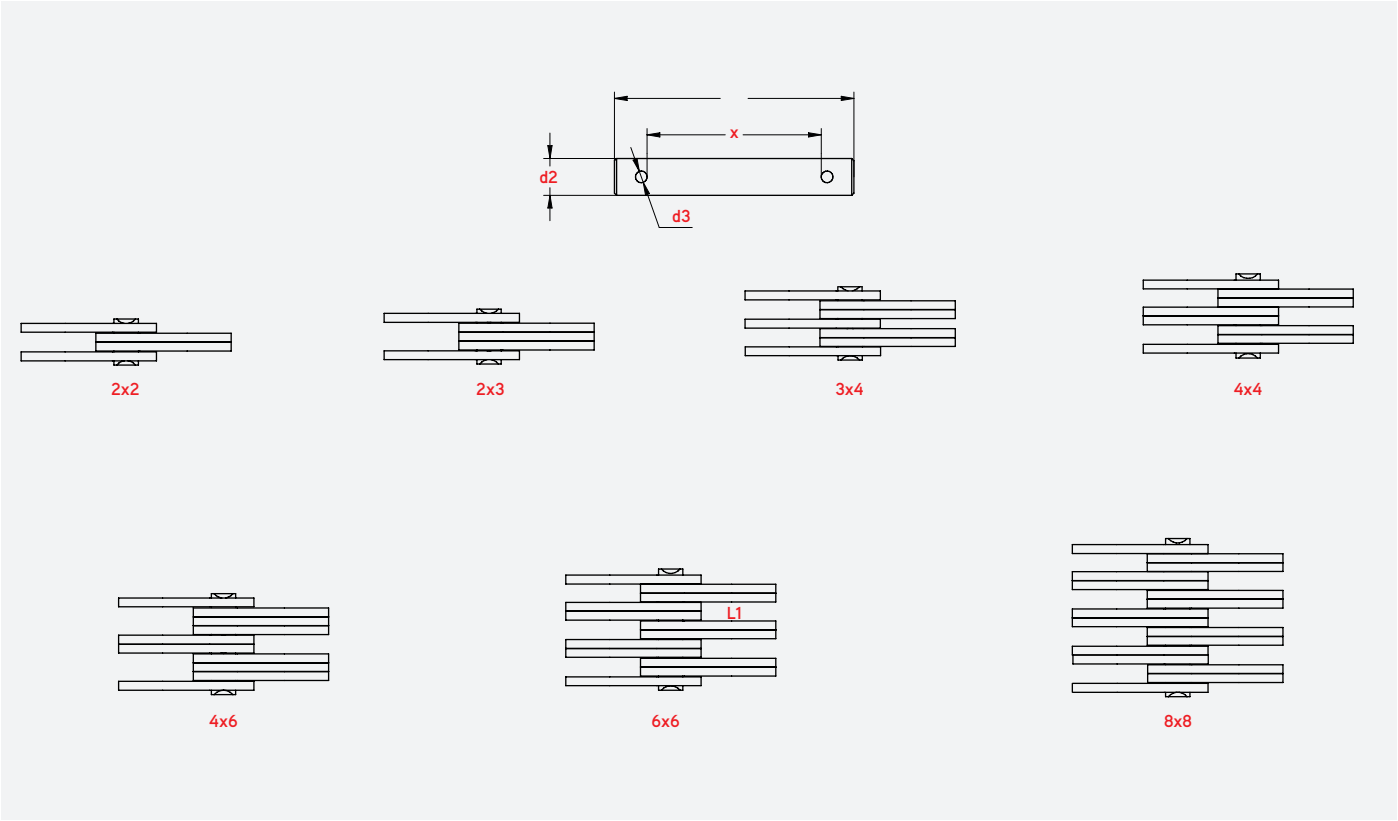
DIN/ISO No.	ANSI No.	Material	Pitch P mm	Plate lacing d1 max mm	Plate depth h2 max mm	Plate thickness T max mm	Pin diameter d2 max mm	Pin length L max mm	min. Tensile strength Q min KN	Average tensile strenght Q_0 KN	Weight per meter q kg/m	Clevis Pins d3 mm	Clevis Pins L1 mm	Clevis Pins x mm	min. Tensile strength Stainless steel Q min KN
LH1622	BL 822	CS, DT, SS	25,4	2 x 2	24,13	4,00	9,54	21,34	86,2	108,2	2,40	3,2	28,5	17,8	49,99
LH1623	BL 823	CS, DT, SS		2 x 3				25,48	86,2	108,2	3,00	3,2	32,9	22,1	49,99
LH1634	BL 834	CS, DT, SS		3 x 4				33,76	131,6	170,0	4,20	3,2	41,7	30,8	76,32
LH1644	BL 844	CS, DT, SS		4 x 4				37,90	172,4	214,6	4,80	3,2	47,7	37,0	99,98
LH1646	BL 846	CS, DT, SS		4 x 6				46,18	172,4	214,6	6,00	3,2	54,8	43,8	99,98
LH1666	BL 866	CS, DT, SS		6 x 6				54,46	258,7	324,5	7,20	3,2	63,3	52,4	150,03
LH1688	BL 888	CS, DT, SS		8 x 8				71,02	344,9	432,7	9,60	3,2	81,2	69,9	200,02
LH2022	BL 1022	CS, DT, SS	31,75	2 x 2	30,18	4,80	11,11	25,37	117,9	165,8	3,57	3,2	36,8	26,2	68,39
LH2023	BL 1023	CS, DT, SS		2 x 3				30,33	117,9	165,8	4,45	3,2	37,0	26,1	68,39
LH2034	BL 1034	CS, DT, SS		3 x 4				40,23	186,0	248,7	6,19	3,2	47,2	35,5	107,91
LH2044	BL 1044	CS, DT, SS		4 x 4				45,19	235,9	303,6	7,04	3,2	39,9	52,0	136,84
LH2046	BL 1046	CS, DT, SS		4 x 6				55,09	235,9	303,6	8,77	3,2	63,0	50,2	136,84
LH2066	BL 1066	CS, DT, SS		6 x 6				65,00	353,9	433,7	10,50	3,2	71,4	59,3	205,29
LH2088	BL 1088	CS, DT, SS		8 x 8				84,81	471,9	604,1	14,00	3,2	92,4	79,9	273,67
LH2422	BL 1222	CS, DT, SS	38,10	2 x 2	36,20	5,60	12,71	29,62	154,2	192,0	4,96	4	36,9	24,5	89,45
LH2423	BL 1223	CS, DT, SS		2 x 3				35,43	154,2	192,0	6,16	4	41,8	30,0	89,45
LH2434	BL 1234	CS, DT, SS		3 x 4				47,07	249,5	315,9	8,55	4	54,8	41,8	144,71
LH2444	BL 1244	CS, DT, SS		4 x 4				52,88	308,6	381,1	9,76	4	60,0	46,3	178,96
LH2446	BL 1246	CS, DT, SS		4 x 6				64,52	308,6	381,1	12,16	4	72,8	59,3	178,96
LH2466	BL 1266	S, DT, SS		6 x 6				76,15	462,8	543,8	14,61	4	86,1	79,9	268,41
LH2488	BL 1288	CS, DT, SS		8 x 8				99,42	617,1	726,0	19,36	4	111,1	98,6	357,92
LH2822	BL 1422	CS, DT, SS	44,45	2 x 2	42,24	6,40	14,29	33,55	195,1	225,7	6,89	4	39,4	27,6	113,17
LH2823	BL 1423	CS, DT, SS		2 x 3				40,16	195,1	225,7	8,55	4	46,9	33,9	113,17
LH2834	BL 1434	CS, DT, SS		3 x 4				53,37	322,1	372,6	11,61	4	60,3	46,9	186,83
LH2844	BL 1444	CS, DT, SS		4 x 4				59,97	390,3	451,2	13,24	4	71,1	58,6	226,35
LH2846	BL 1446	CS, DT, SS		4 x 6				73,18	390,3	451,2	16,81	4	80,2	67,1	226,35
LH2866	BL 1466	CS, DT, SS		6 x 6				86,39	589,9	682,4	19,79	4	97,7	85,1	342,12
LH2888	BL 1488	CS, DT, SS		8 x 8				112,80	780,4	902,8	26,35	4	121,6	108,6	452,63
LH3222	BL 1622	CS, DT, SS	50,8	2 x 2	48,26	7,52	17,46	39,01	294,9	341,1	8,78	5	42,1	35,3	171,03
LH3223	BL 1623	CS, DT, SS		2 x 3				46,58	294,9	341,1	10,90	5	51,3	37,6	171,03
LH3234	BL 1634	CS, DT, SS		3 x 4				61,72	449,2	519,6	15,15	5	66,5	52,8	260,54
LH3244	BL 1644	CS, DT, SS		4 x 4				69,29	585,3	680,4	17,27	5	82,9	65,7	339,46
LH3246	BL 1646	CS, DT, SS		4 x 6				84,43	589,9	680,4	21,53	5	89,0	75,3	342,12
LH3266	BL 1666	CS, DT, SS		6 x 6				99,57	874,5	1.000,7	25,88	5	112,2	94,6	507,24
LH3288	BL 1688	CS, DT, SS		8 x 8				129,84	1.179,6	1.364,6	34,29	5	141,6	124,0	684,19
LH4022	BL 2022	CS, DT, SS	63,5	2 x 2	60,33	9,91	23,81	51,74	442,4	511,7	15,95	6,2	62,2	40,0	256,58
LH4023	BL 2023	CS, DT, SS		2 x 3				61,70	442,4	511,7	19,78	6,2	71,6	49,4	256,58
LH4034	BL 2034	CS, DT, SS		3 x 4				81,61	662,4	766,2	27,46	6,2	88,4	62,5	384,19
LH4044	BL 2044	CS, DT, SS		4 x 4				91,57	884,7	1.023,5	31,34	6,2	101,0	78,8	513,15
LH4046	BL 2046	CS, DT, SS		4 x 6				111,48	884,7	1.023,5	39,01	6,2	120,9	98,7	513,15
LH4066	BL 2066	CS, DT, SS		6 x 6				131,39	1.327,1	1.535,2	46,63	6,2	143,3	120,6	769,73
LH4088	BL 2088	CS, DT, SS		8 x 8				171,22	1.769,5	2.046,5	62,00	6,2	182,5	157,2	1.026,31

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL

Leaf chains Heavy Series BL ISO 4347 / DIN 8152







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Leaf chains Series AL

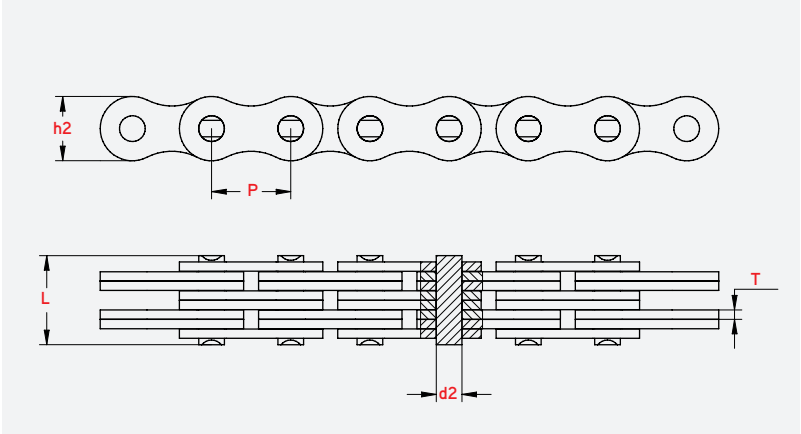
Application: where the load can be considered to be almost static and joint wear presents no problem.

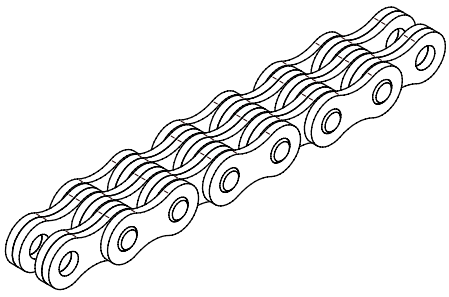
Most common combinations: 2x2, 4x4, 6x6.

ASA SERIES

		Pitch	Plate lacing	Plate depth	Plate thickness	Pin diameter	Pin length	min. Tensile strength	Average tensile strenght	Weight per meter	Clevis Pins			min. Tensile strength Stainless steel
ANSI No.	Material	P mm	d1 max mm	h2 max mm	T max mm	d2 max mm	L max mm	Q min KN	Q_0 KN	q kg/m	d3 mm	L1 mm	x mm	Q min KN
AL 322	CS, DT, SS	9,525	2 x 2	7,7	1,3	3,58	6,80	9,2	10,2	0,23	1,2	11,4	6,4	5,32
AL 332	CS, DT, SS		3 x 2					11,5	12,8	0,3	1,2	12,7	7,7	6,66
AL 344	CS, DT, SS		4 x 4				11,60	18,4	20,0	0,46	1,2	17,7	12,7	10,65
AL 366	CS, DT, SS		6 x 6				17,60	27,5	30,0	0,6	1,2	24,0	19,0	15,97
AL 422	CS, DT, SS	12,7	2 x 2	10,40	1,50	3,96	8,30	14,4	16,9	0,39	1,6	12,8	6,5	8,34
AL 444	CS, DT, SS		4 x 4				14,40	28,8	35,2	0,74	1,6	19,4	12,9	16,68
AL 466	CS, DT, SS		6 x 6				20,50	43,1	52,7	1,13	1,6	26,0	19,3	25,02
AL 522	CS, DT, SS	15,875	2 x 2	12,80	2,03	5,08	11,05	22,4	28,6	0,64	1,6	14,6	8,5	13,02
AL 534	CS, DT, SS		3 x 4				17,00	33,7	46,0	1,10	1,6	21,0	15,1	19,52
AL 544	CS, DT, SS		4 x 4				19,40	44,9	62,4	1,25	1,6	23,1	16,8	26,03
AL 566	CS, DT, SS		6 x 6				27,50	67,3	93,8	1,79	1,6	31,6	25,0	39,05
AL 588	CS, DT, SS		8 x 8					89,8	110,0	2,39	1,6	45,4	36,6	52,06
AL 622	CS, DT, SS	19,05	2 x 2	15,60	2,42	5,94	13,00	37,7	44,4	0,87	2	19,4	12,8	21,89
AL 644	CS, DT, SS		4 x 4				22,70	65,0	78,8	1,70	2	27,3	21,3	37,68
AL 666	CS, DT, SS		6 x 6				32,20	102,1	118,6	2,53	2	37,7	31,9	59,22
AL 688	CS, DT, SS		8 x 8				42,20	136,1	156,6	3,37	2	49,3	42,5	78,92
AL 822	CS, DT, SS	25,4	2 x 2	20,80	3,25	7,92	16,00	57,8	68,6	1,57	3,2	24,2	13,6	33,54
AL 844	CS, DT, SS		4 x 4				29,40	115,7	135,6	3,08	3,2	37,4	26,6	67,09
AL 866	CS, DT, SS		6 x 6				44,20	173,4	202,3	4,62	3,2	50,6	39,8	100,57
AL 888	CS, DT, SS		8 x 8				55,50	231,2	245,0	6,12	3,2	68,2	54,0	134,10
AL 1022	CS, DT, SS	31,75	2 x 2	25,60	4,00	9,53	19,60	90,3	107,1	2,51	3,2	28,8	18,3	52,36
AL 1044	CS, DT, SS		4 x 4				36,40	180,5	203,6	4,95	3,2	45,6	34,8	104,71
AL 1066	CS, DT, SS		6 x 6				52,30	270,3	315,3	7,39	3,2	63,7	52,2	156,77
AL 1088	CS, DT, SS		8 x 8				68,50	361,1	421,2	9,83	3,2	80,3	69,0	209,43
AL 1222	CS, DT, SS	38,1	2 x 2	30,50	4,80	11,10	24,30	129,5	151,1	3,65	4	34,4	21,1	75,13
AL 1244	CS, DT, SS		4 x 4				43,80	259,1	299,7	7,05	4	55,0	41,4	150,27
AL 1266	CS, DT, SS		6 x 6				63,20	388,6	426,3	10,50	4	75,7	62,0	225,40
AL 1288	CS, DT, SS		8 x 8				82,60	518,2	568,4	14,03	4	92,4	79,9	300,53
AL 1444	CS, DT, SS	44,45	4 x 4	36,40	5,60	12,70	51,30	380,2	413,6	9,80	4	61,2	48,0	220,49
AL 1466	CS, DT, SS		6 x 6				74,50	570,2	620,4	14,66	4	85,1	71,9	330,70
AL 1644	CS, DT, SS	50,8	4 x 4	41,60	6,40	14,21	58,00	480,4	522,8	12,90	4	71,7	55,5	278,64
AL 1666	CS, DT, SS		6 x 6				83,80	720,1	783,6	19,27	4	98,6	83,0	417,67
AL 1688	CS, DT, SS		8 x 8				109,50	960,8	1.045,5	25,64	4	126,9	111,6	557,29

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL

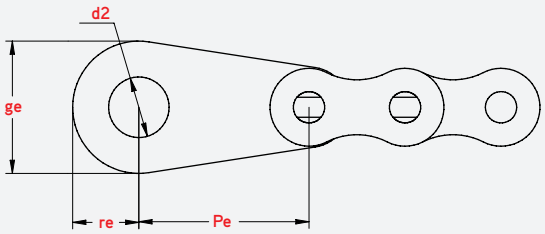


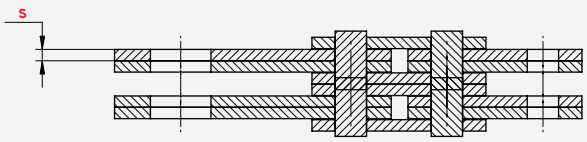


Pear drop end links for leaf chains

ISO SERIES	Pear drop end links				
DIN/ISO No.	pe mm	d2 mm	ge mm	s max mm	re KN
LL 0822	15	6	16	1,6	10
LL 0844	15	6	16	1,6	10
LL 0866	15	6	16	1,6	10
LL 0888	15	6	16	1,6	10
LL 1022	20	8	18	1,6	11
LL 1044	20	8	18	1,6	11
LL 1066	20	8	18	1,6	11
LL 1088	20	8	18	1,6	11
LL 1222	30	10	20	1,9	12
LL 1244	30	10	20	1,9	12
LL 1266	30	10	20	1,9	12
LL 1288	30	10	20	1,9	12
LL 1622	30	12	25	3	15
LL 1644	30	12	25	3	15
LL 1666	30	12	25	3	15
LL 1688	30	12	25	3	15
LL 2022	50	18	40	3,5	25
LL 2044	50	18	40	3,5	25

ISO SERIES	Pear drop end links				
DIN/ISO No.	pe mm	d2 mm	ge mm	s max mm	re KN
LL 2066	50	18	40	3,5	25
LL 2088	50	18	40	3,5	25
LL 2422	65	24	50	5	29
LL 2444	65	24	50	5	29
LL 2466	65	24	50	5	29
LL 2488	65	24	50	5	29
LL 2822	80	28	60	6	32
LL 2844	80	28	60	6	32
LL 2866	80	28	60	6	32
LL 2888	80	28	60	6	32
LL 3222	90	32	70	6,3	43
LL 3244	90	32	70	6,3	43
LL 3266	90	32	70	6,3	43
LL 3288	90	32	70	6,3	43
LL 4022	100	38	80	8	46,5
LL 4044	100	38	80	8	46,5
LL 4066	100	38	80	8	46,5
LL 4088	100	38	80	8	46,5

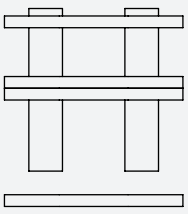




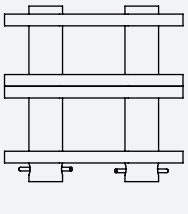
Connection with clevis

1. When an inner link is used for the end, a clevis pin is normally supplied by the clevis manufacturer.

2. When an outer link is used for the end, the press fit of the outer link provides the most integrity.



Press fit and rivet outer link



Clevis connector

Clevis pins

Bush chain Series DIN 8164

Bush chains are similar to ISO 606 roller chains, although they feature no rollers. Thanks to their robustness, bush chains are employed mainly for applications in rough environments, such as mining facilities and construction sites.

They adapt to demanding levels of temperature of humidity, working in premises where belt drives can not be used.

SERVICES

Many references ***available in stock.***

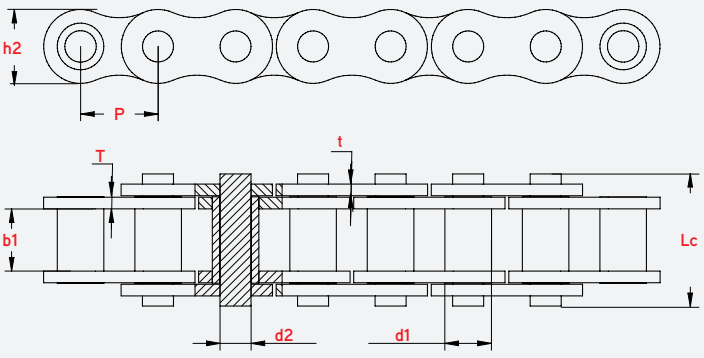
Corrosion-resistant versions available.

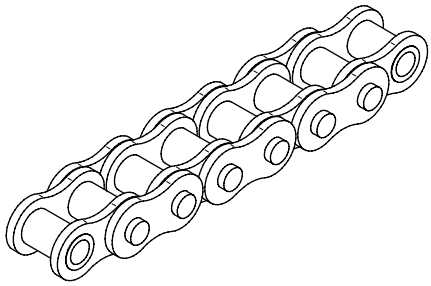
Specific product *on request.*

Technical assistance.

		Pitch	Pin diameter	Width between plates	Roller diameter	Pin length		Inner Plate depth	Plate thickness	Minimum Tensile strength	Weight per meter
DIN/ISO No.	Material	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	Lc max mm	h2 max mm	t/T max mm	Q min KN	q kg/m
BC-15	CS, DT, SS	15,000	6,00	14,00	9,00	26,00	30,00	14,00	2,00	12,50	1,25
BC-20	CS, DT, SS	20,000	8,00	16,00	12,00	33,00	39,00	19,00	3,00	25,00	2,10
BC-25	CS, DT, SS	25,000	10,00	18,00	15,00	37,00	44,00	24,00	3,00	31,50	2,60
BC-30	CS, DT, SS	30,000	11,00	20,00	17,00	43,00	50,00	28,00	4,00	40,00	4,00
BC-35	CS, DT, SS	35,000	12,00	22,00	18,00	45,00	55,00	30,00	4,00	50,00	4,30
BC-40	CS, DT, SS	40,000	14,00	26,00	20,00	53,00	62,00	35,00	5,00	63,00	5,50
BC-45	CS, DT, SS	45,000	16,00	30,00	22,00	62,00	71,00	40,00	6,00	80,00	7,60
BC-50	CS, DT, SS	50,000	18,00	35,00	26,00	67,00	80,00	44,00	6,00	100,00	9,00
BC-55	CS, DT, SS	55,000	20,00	45,00	30,00	86,00	100,00	49,00	8,00	125,00	13,60
BC-60	CS, DT, SS	60,000	22,00	50,00	32,00	92,00	105,00	55,00	8,00	160,00	14,90
BC-65	CS, DT, SS	65,000	26,00	55,00	36,00	98,00	114,00	61,00	8,00	200,00	18,90
BC-70	CS, DT, SS	70,000	30,00	65,00	42,00	117,00	131,00	67,00	10,00	250,00	24,70

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL





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SINCE 1935

Galle chains Series

Designed to provide lifting solutions, IRIS Galle chains are strong and reliable, providing guaranteed operation even under high mechanical stress and hostile environments.

Galle chains are applied in many hoisting constructions, such as locks, slipways, upward pressure damming constructions and cranes. They are used for the transfer of high traction force with low peripheral speeds, no higher than 0.3 m/s. These chains can be made of stainless steel for application in water.

The range of IRIS lifting chains comprises numerous products, both standard and customised such as Galle chains for sluice gates and dams.

SERVICES

Many references ***available in stock.***

Corrosion-resistant versions available.

Specific product *on request.*

Matched pairs *on request*

for chains working in parallel.

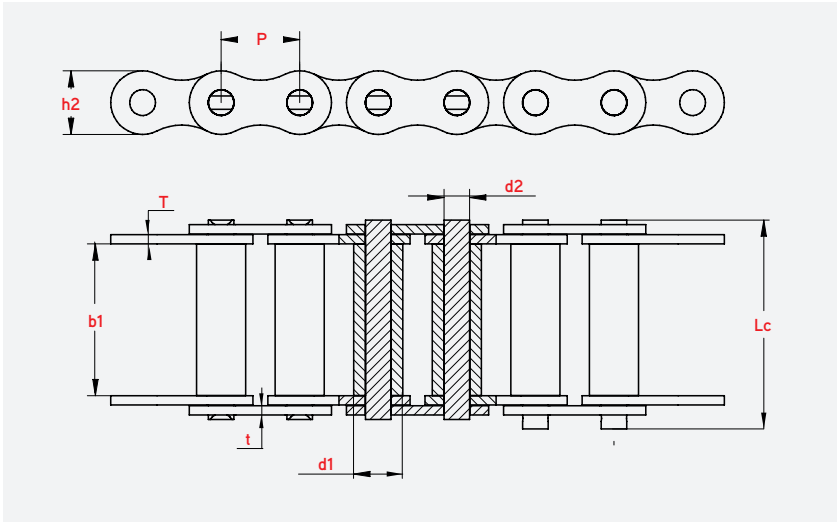
Chains of any length.

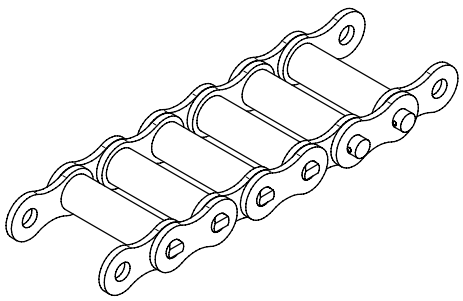
Technical assistance.

ISO SERIES

DIN/ISO No.	Material	Pitch P mm	Roller diameter d1 max mm	width between plates b1 max mm	Pin diameter d2 max mm	Pin length L max mm	Pin length Lc max mm	Inner Plate depht h2 max mm	Plate thickness t/T max mm	Minimum Tensile strength Q min KN
08B-1	CS, NP, DT, SS	12,700	8,51	21,50	4,45	30,00	31,50	10,60	1,50	18,20
10B-1	CS, NP, DT, SS	15,875	10,16	26,40	5,08	36,10	37,50	13,70	1,60	22,70
12B-1	CS, NP, DT, SS	19,050	12,07	32,00	5,72	42,00	43,70	16,00	1,85	29,50
16B-1	CS, NP, DT, SS	25,400	15,88	49,10	8,28	64,50	67,50	21,00	3,00	58,00

CS CARBON STEEL
DT DELTA-TONE
NP NICKELLED PLATED
SS STAINLESS STEEL





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Galle chains without washers DIN 8150

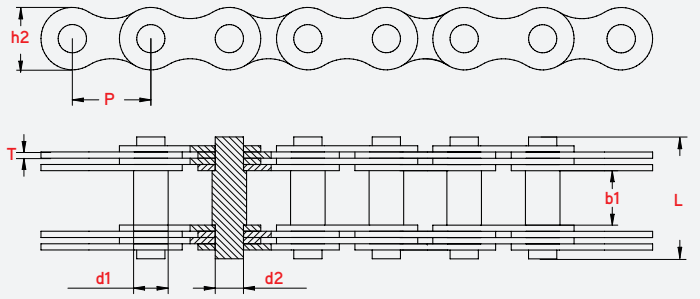
Galle chains without washers are made for applications where there is a high tensile strenght transmission and a low circumferential speed, such as lifting devices, elevators and escalators, or sluice gates.

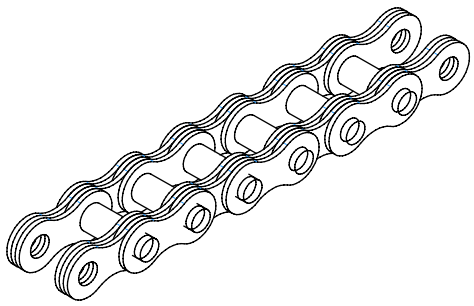
ISO SERIES

DIN/ISO No.	Material	Pitch P mm	Roller diameter d1 max mm	width between plates b1 max mm	Plate depth h2 max mm	Plate thickness T max mm	Pin diameter d2 max mm	Pin length L max mm	Pin length Lc max mm	Minimum Tensile strength Q min KN	Weight per meter q kg/m
DG 25	SS	25	10	18	18	3	8	36	42	25,0	1,75
DG 25 K*	SS	25	10	18	18	3	8	36	42	50,0	1,75
DG 30	SS	30	11	20	20	3	9	51	58	40,0	3,40
DG 30 K*	SS	30	11	20	20	3	9	51	58	70,0	3,40
DG 35	SS	35	12	22	26	3	10	53	61	60,0	4,50
DG 35 K*	SS	35	12	22	26	3	10	53	61	90,0	4,50
DG 40	SS	40	14	25	30	3	12	58	66	80,0	4,70
DG 40 K*	SS	40	14	25	30	3	12	58	66	110,0	4,70
DG 45	SS	45	17	30	35	3	14	63	70	100,0	6,40
DG 45 K*	SS	45	17	30	35	3	14	63	70	140,0	6,40

*Heat treated components

SS STAINLESS STEEL





Pipe wrench chains

Pipe wrench chains are able to handle pipes with firmness in limited spaces, which make them a useful tool for large pipeline construction projects. They feature extensive pins on both sides of the chain, and these make it possible to hold pipes steadily in pipe wrenches in order to form flexible ligaments.

IRIS pipe wrench chains are robust and heavy-duty, preventing the pipe from slipping down from the pipe wrench.

The range of IRIS pipe wrench chains comprises various sizes, also available in delta-tone and stainless steel construction.

SERVICES

Many references ***available in stock.***

Corrosion-resistant versions available.

Specific product *on request.*

Matched pairs *on request*

for chains working in parallel.

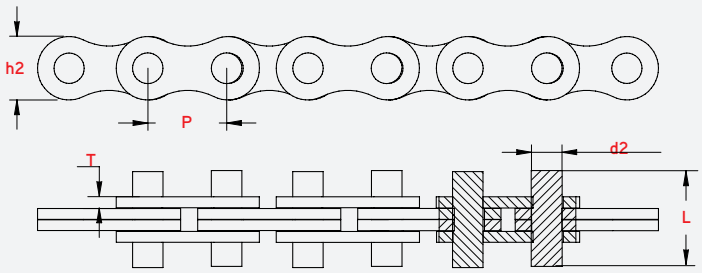
Chains of any length.

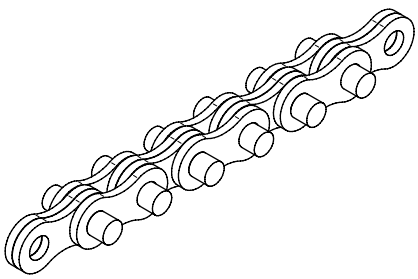
Technical assistance.

ISO SERIES

DIN/ISO No.	Material	Pitch P mm	Plate depth h2 max mm	Plate lacing	Pin diameter d2 max mm	Pin lenght L max mm	Plate thickness T max mm	Minimum Tensile strength Q min KN	Weight per meter q kg/m
10B-1	CS, DT, SS	15,875	13	2x2	5,08	15,95	2,00	29,00	0,207
12B-1 T1	CS, DT, SS	19,05	14,5	2x2	5,72	22,00	2,25	39,60	0,416
!2B-1 T2	CS, DT, SS	19,05	14,5	2x2	5,72	29,00	3,00	39,60	0,416
12B-1 T3	CS, DT, SS	19,05	14,5	2x2	7,93	29,00	3,20	39,60	0,416
16B-1 T1	CS, DT, SS	25,4	20,8	2x2	8,27	35,00	3,00	72,50	1,169
16B-1 T2	CS, DT, SS	25,4	20,8	2x2	9,53	29,00	4,00	76,75	1,169

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL





Laminated block chain

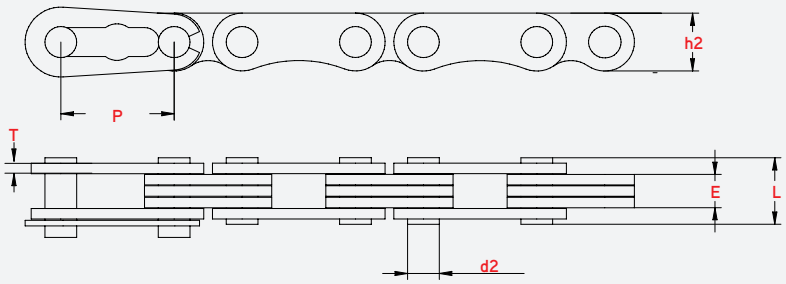
Laminated block chains are used in a variety of lightly loaded low-speed applications. They directly substitute solid block chains.

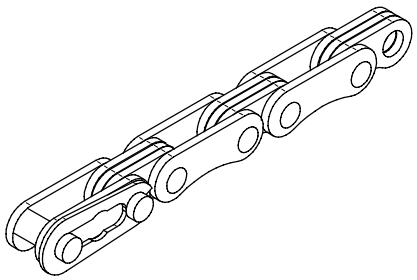
IRIS laminated block chains, which comprise various sizes, are completely made of 304 stainless steel.

ISO SERIES

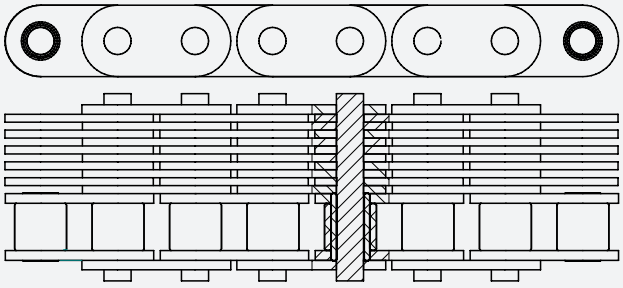
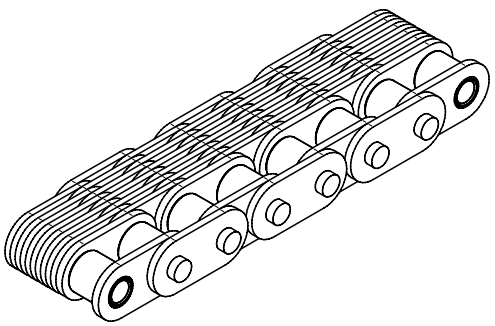
DIN/ISO No.	Material	Pitch P mm	Plate depth h2 max mm	Block width E max mm	Pin diameter d2 max mm	Pin lenght L max mm	Plate thickness T max mm	Minimum Tensile strength Q min KN	Weight per meter q kg/m
L - 502 1"	SS	25,4	8,25	4,77	4,45	9,525	1,5	0,201	9,68
L - 503 1"	SS	25,4	8,25	6,35	4,45	11,09	1,5	0,201	11
L - 504 1"	SS	25,4	8,25	7,92	4,45	14,27	1,5	0,268	12,32
L - 505 1"	SS	25,4	8,25	9,52	4,45	15,875	1,5	0,335	13,2
L - 506 1"	SS	25,4	8,25	12,7	4,45	19,05	1,5	0,403	14,52

SS STAINLESS STEEL





Conveyor belt chain

Conveyor belt chains have the same basic dimensions as chains with straight side plates, and can feature lateral plates on one or both sides. Single-, double- and triple-strand chain basic versions are available.

The various plates minimize contact constraints and help parts being marked. Thus, belt parts are used in light-handle applications where loads are accumulated and placed directly on the chain.