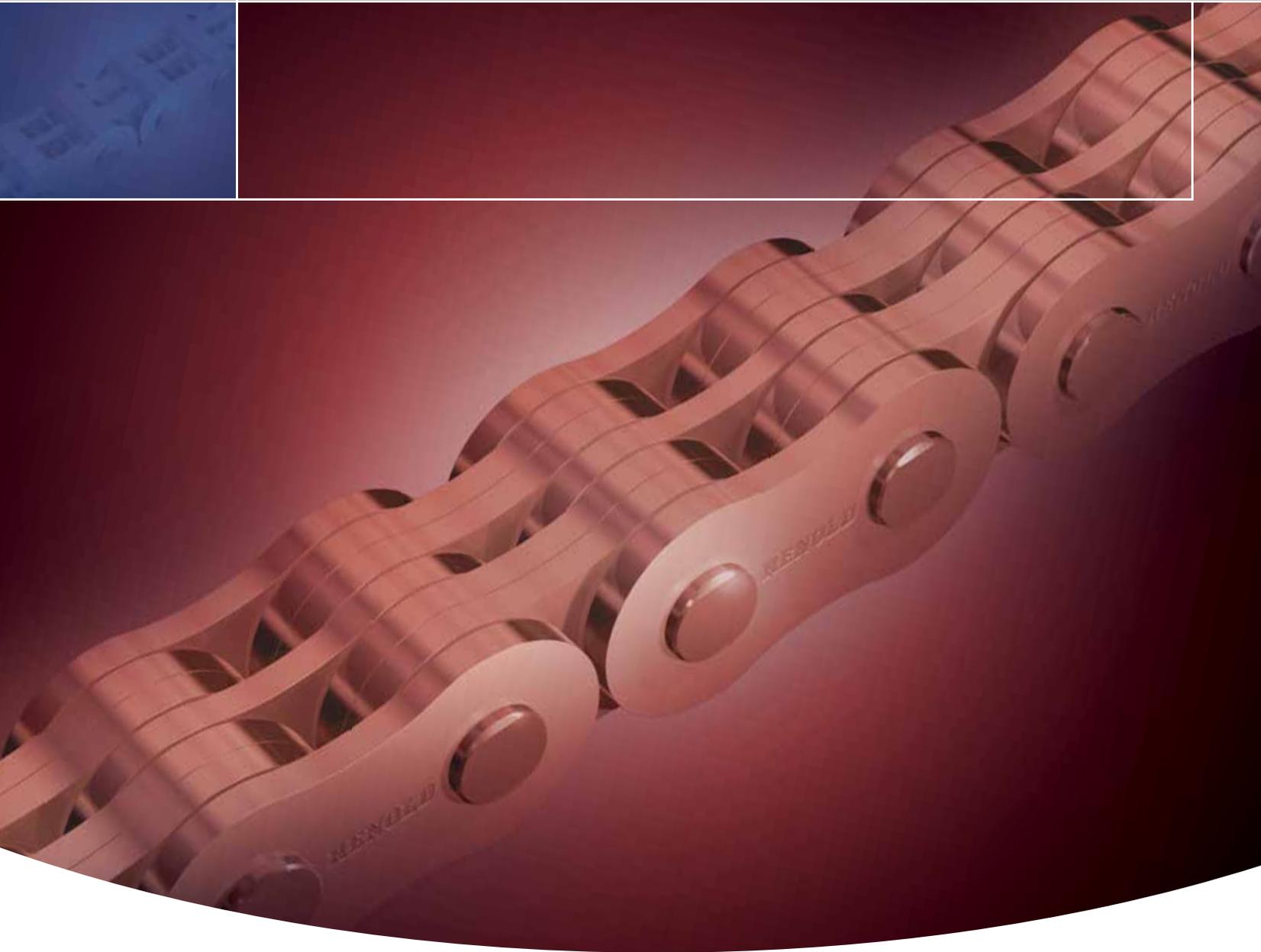


# *Lifting Chain*

*Product Catalogue*



**RENOLD**  
*Superior Chain Technology*

# Renold Chain Product Range



## Roller Chain

- British, ANSI, API, DIN, ISO and Works Standard Chains
- Adapted Chains
- Extended Pitch Chains
- Hollow Pin Chains
- Made to Order, Special Chains
- Mini Pitch Chains
- Nickel Plated Chains
- Oilfield Chains
- Plastic Bush Chains
- Power and Free Chains
- Polymer Block Chains
- Side Bow Chains
- Stainless Steel Chains

## Applications

- Abattoirs • Air Conditioning • Aircraft - Civil & Military • Bakery Machines • Battery Manufacturing
- Brewing • Canning • Carpet Machines • Chart Tables/Marine • Chocolate Manufacturing
- Concrete Moulding Equipment • Copying Machines • Dairy Machinery • Drying Machinery
- Earth Moving Equipment • Extrusion Machines • Filtration Plants • Food & Drink Manufacture
- Glass Manufacture • Health Care Equipment • Hydraulic Components • Ice-Cream Manufacture
- In-flight Refueling • Ingot Casting & Scrap Metal Processing • Latex Machinery • Laundry Machinery
- Lawnmower Manufacture • Mill Machinery • Mining • MOT Brake Testing Machinery • Nuclear Power
- Off Road Vehicles • Oil Industry • Packaging Machines • Paper & Card Making • Paper Shredders
- Plastic Machinery • Potato Grading Machinery • Power Generation • Printing Machines • Quarry Plant
- Road Making & Plant Machinery • Robotic Systems • Roof Tile Manufacture • Ship's Engines
- Silkscreen Machinery • Ski-Lifts • Soot Blowers • Steel Making • Straddle Carriers • Sugar Beet Machines
- Sun-Blinds • Telecommunications • Textile Machinery • Timber and Woodworking Machines
- Tin Printer Ovens • Tobacco/Cigarette Machinery • Tunnelling Machines • T.V. and Audio Equipment
- Tyre Manufacture • Waste Handling • X-Ray Equipment



## Conveyor Chain

- British, ISO and Works Standard Chains
- Adapted Chains
- Agricultural Chains
- Bakery Chains
- Deep Link Chains
- Escalator Chains
- Made to Order, Specials
- Stainless Steel Chains
- Sugar Cane Chains
- Zinc Plated Chains

## Applications

- Abattoirs • Agricultural Machines • Bakery Machines • Bottle Washing Plants
- Brick & Tile Machinery OEM • Car Plants • Cement Plants • Chemical Plants • Chicken Process Equipment
- Cigarette/Tobacco Machinery • Dust Filters • Egg Sorting Conveyors • Electrical Switchgears • Escalators
- Extrusion Machines • Feed Mill Machines • Feed Silo Equipment • Fibreglass Industry • Filtration Plants
- Fish Conveyor • Food Sterilisation • Food Processing • Freezing Equipment • Freezing Tunnels • Glass Manufacturing
- Grain Conveyor • Harvesting Machines • Ice Cream Machines • Induction Furnaces • Ingot Casting & Scrap Metal Processing Mfr
- Latex Machinery • Leisure Rides • Luggage & Parcel Handling • Machine Tools • Mail Sorting • Metal Casting • Mushroom Compost Machinery • Nuclear • Ovens/Provers
- Potato Grading Machinery • Potting Machinery • Quarries • Radio Astronomy • Roof Tile Manufacture
- Rope Machinery • Saw Mill Equipment • Sewage Plants • Shaker Conveyors • Ski-Lifts • Sluice Gates
- Steel Making • Sugar Factories • Swarf Conveyors • Textile Machinery • Timber & Woodworking Machines
- Tool Changer • Tunnelling Machines • Tyre Manufacture • Washing & Sterilising Machines
- Water Treatment • Wire Belts



## Lifting Chain

- LH(BL), AL, LL and Works Standard Chains

## Applications

- Bottle Washing Plants • Cement Plants • Chemical • Counterbalance Sets • Cranes
- Dust/Swarf Conveyors • Elevators • Food Processing • Food Sterilisation • Fork Lift Trucks
- Pipe Line Valves/Taps • Printing Machines • Rock Drilling • Straddle Carriers • Sun-Blinds • Tail Lifts

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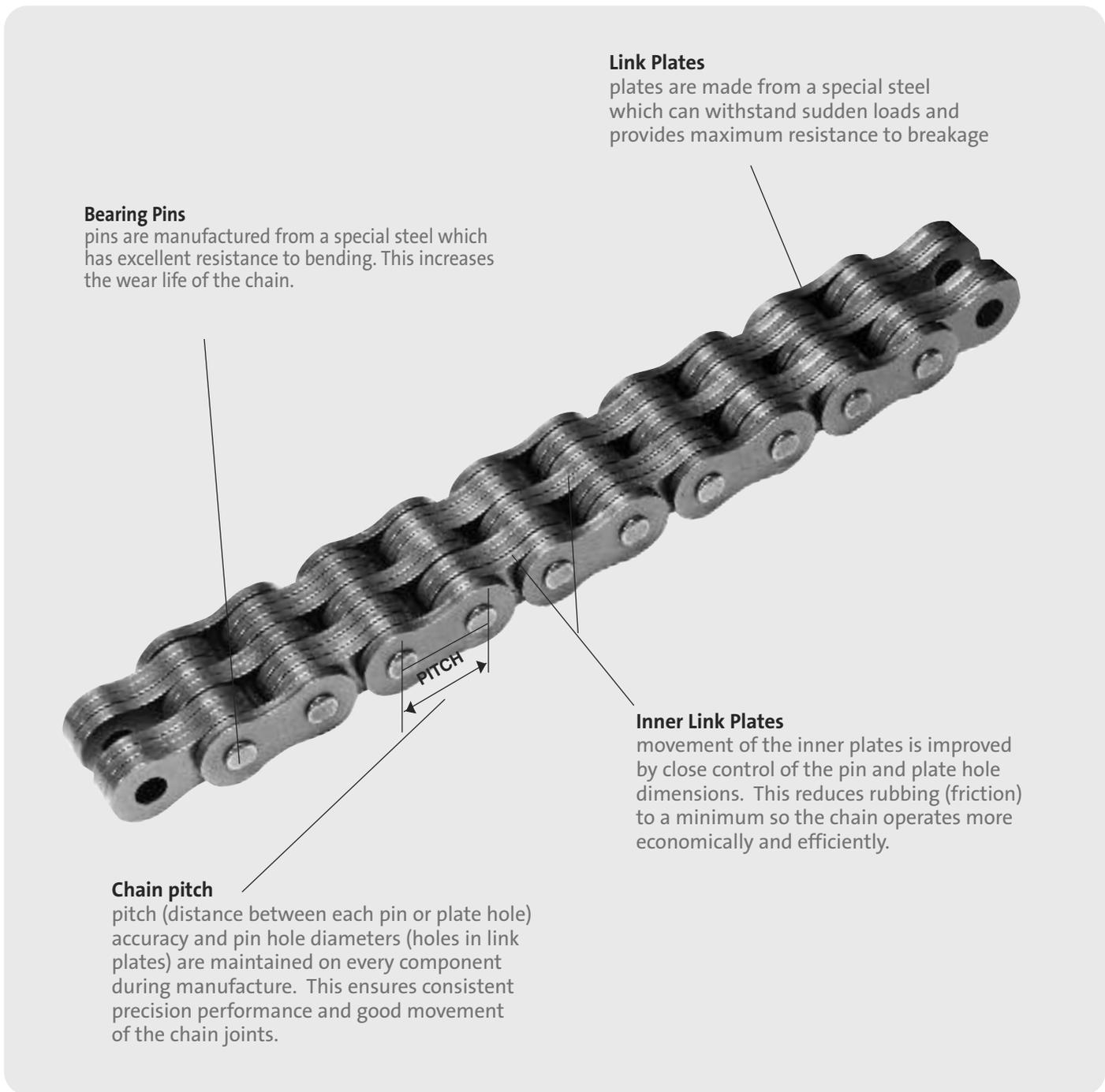
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# Leaf/FLT Chain

## Renold Ultimate Specification

### Special design features

- High Fatigue Strength
- Long Service Life
- Maximum Resistance to wear
- Compact Design



#### Bearing Pins

pins are manufactured from a special steel which has excellent resistance to bending. This increases the wear life of the chain.

#### Link Plates

plates are made from a special steel which can withstand sudden loads and provides maximum resistance to breakage

#### Inner Link Plates

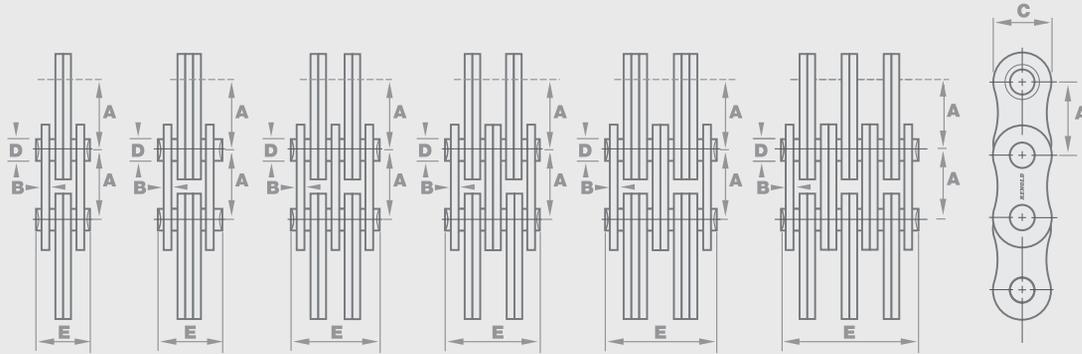
movement of the inner plates is improved by close control of the pin and plate hole dimensions. This reduces rubbing (friction) to a minimum so the chain operates more economically and efficiently.

#### Chain pitch

pitch (distance between each pin or plate hole) accuracy and pin hole diameters (holes in link plates) are maintained on every component during manufacture. This ensures consistent precision performance and good movement of the chain joints.

# Leaf Chain LH (BL) Series

NFE26107 / ISO4347 / DIN8152 / ANSI B29.8

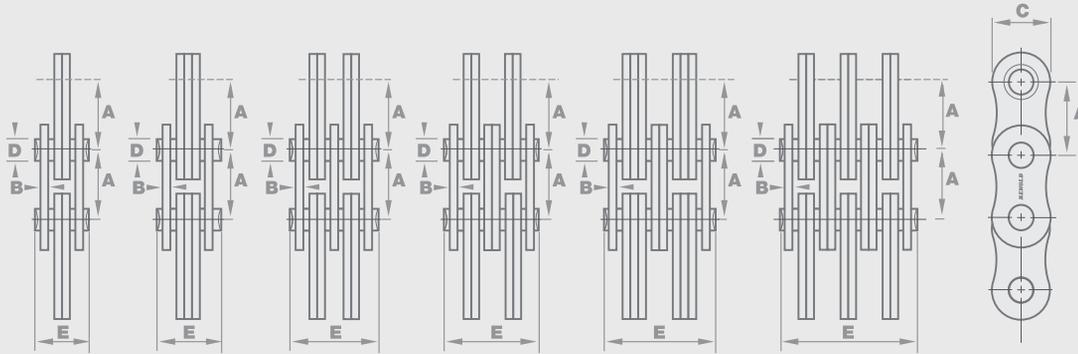


**Plate Combination**    2x2            2x3            3x4            4x4            4x6            6x6

Chain Ref.		Technical Details (mm)									
ISO Ref.	ANSI Ref.	Pitch (inch)	Pitch (mm)	Plate Combination	Chain Length over 100 pitches (± 0.25%)	Plate Width	Plate Depth	Pin Diam.	Width Over Pin	Tensile Strength (Newtons)	Weight (kg/m)
		NOM	NOM	A		MAX	MAX	MAX	MAX	MIN	
			A	A		B	B	C	D	E	
LH0822	BL 422	0.500	12.700	2x2	1270	2.06	12.1	5.08	10.9	27800	0.60
LH0823	BL 423	0.500	12.700	2x3	1270	2.06	12.1	5.08	13.0	27800	0.75
LH0834	BL 434	0.500	12.700	3x4	1270	2.06	12.1	5.08	17.2	42500	1.04
LH0844	BL 444	0.500	12.700	4x4	1270	2.06	12.1	5.08	19.3	58000	1.20
LH0846	BL 446	0.500	12.700	4x6	1270	2.06	12.1	5.08	23.5	58000	1.46
LH0866	BL 466	0.500	12.700	6x6	1270	2.06	12.1	5.08	27.8	90000	1.74
LH0888	BL 488	0.500	12.700	8x8	1270	2.06	12.1	5.08	36.3	110000	2.56
LH1023	BL 523	0.625	15.875	2x3	1587	2.46	15.1	5.95	15.0	40100	1.05
LH1034	BL 534	0.625	15.875	3x4	1587	2.46	15.1	5.95	19.9	60000	1.47
LH1044	BL 544	0.625	15.875	4x4	1587	2.46	15.1	5.95	22.4	78000	1.69
LH1046	BL 546	0.625	15.875	4x6	1587	2.46	15.1	5.95	27.3	78000	2.07
LH1066	BL 566	0.625	15.875	6x6	1587	2.46	15.1	5.95	32.3	120000	2.67
LH1223	BL 623	0.750	19.050	2x3	1905	3.23	18.2	7.93	20.0	60000	1.84
LH1234	BL 634	0.750	19.050	3x4	1905	3.23	18.2	7.93	26.3	101500	2.58
LH1244	BL 644	0.750	19.050	4x4	1905	3.23	18.2	7.93	29.6	126000	2.95
LH1246	BL 646	0.750	19.050	4x6	1905	3.23	18.2	7.93	36.5	126000	3.70
LH1266	BL 666	0.750	19.050	6x6	1905	3.23	18.2	7.93	43.0	190000	4.30
LH1623	BL 823	1.000	25.400	2x3	2540	4.06	23.9	9.53	24.2	100000	2.55
LH1634	BL 834	1.000	25.400	3x4	2540	4.06	23.9	9.53	32.6	152000	3.56
LH1644	BL 844	1.000	25.400	4x4	2540	4.06	23.9	9.53	36.7	186000	4.10
LH1646	BL 846	1.000	25.400	4x6	2540	4.06	23.9	9.53	45.0	186000	5.10
LH1666	BL 866	1.000	25.400	6x6	2540	4.06	23.9	9.53	53.2	285000	6.20
LH2023	BL 1023	1.250	31.750	2x3	3175	4.88	29.6	11.10	28.7	142000	4.25
LH2034	BL 1034	1.250	31.750	3x4	3175	4.88	29.6	11.10	38.6	244000	6.01
LH2044	BL 1044	1.250	31.750	4x4	3175	4.88	29.6	11.10	43.6	284000	6.80
LH2046	BL 1046	1.250	31.750	4x6	3175	4.88	29.6	11.10	53.5	305000	8.40
LH2066	BL 1066	1.250	31.750	6x6	3175	4.88	29.6	11.10	63.4	417000	10.20
LH2434	BL 1234	1.500	38.100	3x4	3810	5.68	35.9	12.71	45.1	245000	8.70
LH2446	BL 1246	1.500	38.100	4x6	3810	5.68	35.9	12.71	62.5	371500	12.40
LH2466	BL 1266	1.500	38.100	6x6	3810	5.68	35.9	12.71	74.2	454000	14.80
LH2834	BL 1434	1.750	44.450	3x4	4445	6.38	41.9	14.28	51.2	316000	11.00
LH2846	BL 1446	1.750	44.450	4x6	4445	6.38	41.9	14.28	71.0	427500	15.20
LH3234	BL 1634	2.000	50.800	3x4	5080	7.18	47.8	17.46	58.5	440400	14.00
LH3244	BL 1644	2.000	50.800	4x4	5080	7.18	47.8	17.46	66.0	579000	17.40
LH3246	BL 1646	2.000	50.800	4x6	5080	7.18	47.8	17.46	81.0	579000	21.60
LH3266	BL 1666	2.000	50.800	6x6	5080	7.18	48.3	17.46	96.0	868000	25.90
LH3288	BL 1688	2.000	50.800	8x8	5080	7.18	48.3	17.46	125.0	1157000	34.50

Other sizes available on request.  
Standard end links and fixings are available. Details on request.

# Leaf Chain AL Series



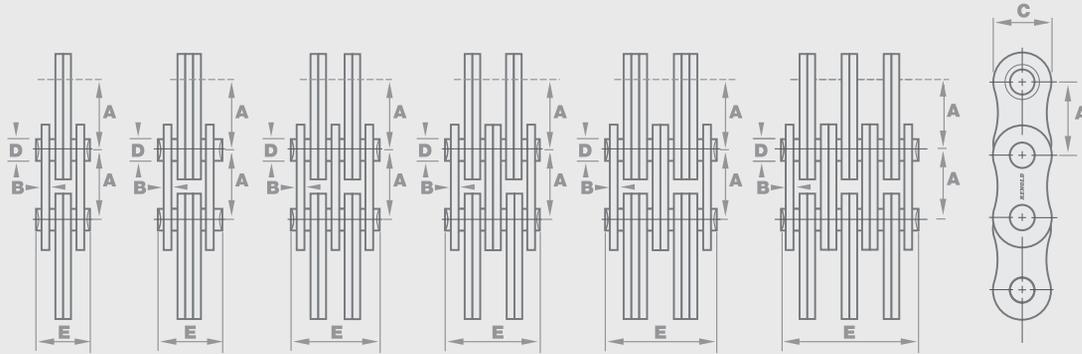
**Plate Combination**    2x2            2x3            3x4            4x4            4x6            6x6

Chain Ref.	Technical Details (mm)									
ANSI Ref.	Pitch (inch)	Pitch (mm)	Plate Combination	Chain Length over 100 pitches (± 0.25%)	Plate Width	Plate Depth	Pin Diam.	Width Over Pin	Tensile Strength (Newtons)	Weight (kg/m)
	NOM	NOM			MAX	MAX	MAX	MAX	MIN	
	A	A			B	C	D	E		
AL 422	0.500	12.700	2x2	1257	1.55	9.7	3.97	8.0	17000	0.35
AL 444	0.500	12.700	4x4	1257	1.55	9.7	3.97	14.8	34000	0.68
AL 466	0.500	12.700	6x6	1257	1.55	9.7	3.97	21.1	51000	1.01
AL 544	0.625	15.875	4x4	1578	2.06	12.8	5.08	18.8	58000	1.20
AL 566	0.625	15.875	6x6	1578	2.06	12.8	5.08	27.2	90000	1.79
AL 622	0.750	19.050	2x2	1893	2.45	15.3	5.95	12.6	40000	0.88
AL 644	0.750	19.050	4x4	1893	2.45	15.3	5.95	22.4	80000	1.73
AL 666	0.750	19.050	6x6	1893	2.45	15.3	5.95	32.5	120000	2.57
AL 822	1.000	25.400	2x2	2525	3.06	20.2	7.93	15.6	70000	1.45
AL 844	1.000	25.400	4x4	2525	3.06	20.2	7.93	28.2	145000	2.84
AL 866	1.000	25.400	6x6	2525	3.06	20.2	7.93	40.8	200000	4.24
AL 1044	1.250	31.750	4x4	3165	4.02	25.3	9.53	36.7	200000	4.68
AL 1066	1.250	31.750	6x6	3165	4.02	25.3	9.53	53.2	300000	6.99
AL 1244	1.500	38.100	4x4	3808	4.88	30.7	11.10	43.4	245000	6.65
AL 1266	1.500	38.100	6x6	3808	4.88	30.7	11.10	63.5	368000	9.94

Other sizes available on request.  
Standard end links and fixings are available. Details on request.

# Leaf Chain LL Series

## NFE26107 / ISO4347 / DIN8152



**Plate Combination**    2x2                  2x3                  3x4                  4x4                  4x6                  6x6

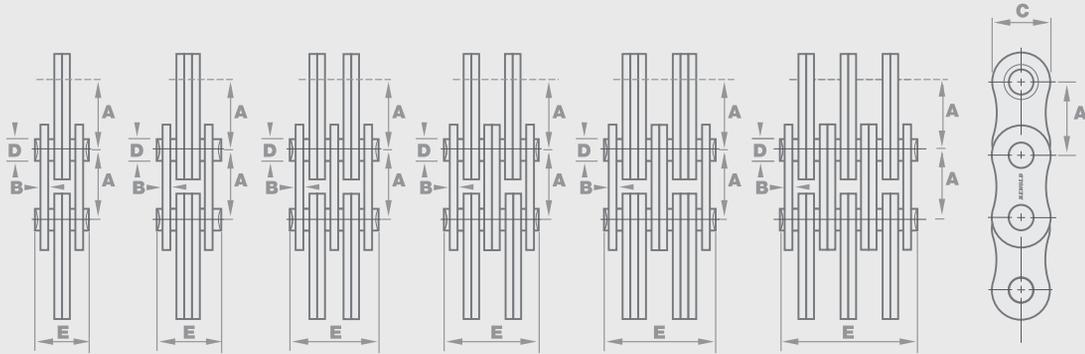
Chain Ref.	Technical Details (mm)									
ISO Ref.	Pitch (inch)	Pitch (mm)	Plate Combination	Chain Length over 100 pitches ( $\pm 0.25\%$ )	Plate Width	Plate Depth	Pin Diam.	Width Over Pin	Tensile Strength (Newtons)	Weight (kg/m)
	NOM	NOM			MAX	MAX	MAX	MAX	MIN	
	A	A			B	C	D	E		
LL 0822	0.500	12.700	2x2	1259	1.69	10.7	4.45	8.9	21000	0.44
LL 0844	0.500	12.700	4x4	1259	1.69	10.7	4.45	15.9	42000	0.87
LL 0866	0.500	12.700	6x6	1259	1.69	10.7	4.45	22.8	64000	1.30
LL 1022	0.625	15.875	2x2	1577	1.55	12.8	5.08	8.9	22700	0.47
LL 1044	0.625	15.875	4x4	1577	1.55	12.8	5.08	15.6	45400	0.92
LL 1066	0.625	15.875	6x6	1577	1.55	12.8	5.08	22.2	68100	1.36
LL 1222	0.750	19.050	2x2	1892	1.81	14.8	5.72	10.0	32000	0.62
LL 1244	0.750	19.050	4x4	1892	1.81	14.8	5.72	17.8	64000	1.21
LL 1266	0.750	19.050	6x6	1892	1.81	14.8	5.72	24.8	96000	1.79
LL 1622	1.000	25.400	2x2	2532	3.06	20.2	8.27	15.5	72000	1.42
LL 1644	1.000	25.400	4x4	2532	3.06	20.2	8.27	28.1	144000	2.79
LL 1666	1.000	25.400	6x6	2532	3.06	20.2	8.27	40.5	216000	4.15
LL 2022	1.250	31.750	2x2	3157	3.56	25.3	10.17	18.2	95000	2.03
LL 2044	1.250	31.750	4x4	3157	3.56	25.3	10.17	33.4	190000	4.00
LL 2066	1.250	31.750	6x6	3157	3.56	25.3	10.17	47.9	285000	5.96
LL 2422	1.500	38.100	2x2	3797	5.08	30.7	14.63	25.4	170000	3.60
LL 2444	1.500	38.100	4x4	3797	5.08	30.7	14.63	46.8	340000	7.07
LL 2466	1.500	38.100	6x6	3797	5.08	30.7	14.63	68.2	510000	10.53
LL3244	2.00	50.80	4x4	5124	6.45	42.29	17.81	61.00	520,000	12.60
LL4066	2.50	63.50	6x6	6405	8.25	52.96	22.89	111.10	1,080,000	30.20
LL4088*	2.50	63.50	8x8	6405	8.25	52.96	22.89	139.00	1,440,000	38.70

Other sizes available on request.

Standard end links and fixings are available. Details on request.

\* LL4088 is not covered by ISO 4347

# Leaf Chain Works Standard



**Plate Combination**    2x2                    2x3                    3x4                    4x4                    4x6                    6x6

Chain Ref.		Technical Details (mm)									
Renold Chain No.	ANSI Ref.	Pitch (inch)	Pitch (mm)	Plate Combination	Chain Length over 100 pitches (± 0.25%)	Plate Width	Plate Depth	Pin Diam.	Width Over Pin	Tensile Strength	Weight kg/m
		NOM	NOM			MAX	MAX	MAX	MAX	(Newtons) MIN	
		A	A			B	C	D	E		
1400023	1234	0.500	12.700	3x4	1259	1.69	10.70	4.45	14.20	31000	0.71
1400026	1256	0.500	12.700	5x6	1259	1.69	10.70	4.45	21.10	53000	1.10
1400030	1288	0.500	12.700	8x8	1259	1.69	10.70	4.45	30.00	85000	1.60
1400034	1523	0.625	15.875	2x3	1580	1.94	12.70	5.08	12.10	29000	0.69
1400035	1534	0.625	15.875	3x4	1580	1.94	12.70	5.08	16.00	46000	0.94
1400036	1544	0.625	15.875	4x4	1580	1.94	12.70	5.08	18.10	58000	1.07
1400037	1545	0.625	15.875	4x5	1580	1.94	12.70	5.08	20.30	58000	1.22
1400039	1556	0.625	15.875	5x6	1580	1.94	12.70	5.08	24.00	72000	1.47
1400040	1566	0.625	15.875	6x6	1580	1.94	12.70	5.08	25.90	87000	1.60
1400041	1567	0.625	15.875	6x7	1580	1.94	12.70	5.08	27.80	90000	1.74
1400042	1578	0.625	15.875	7x8	1580	1.94	12.70	5.08	32.50	101000	2.00
1400043	1588	0.625	15.875	8x8	1580	1.94	12.70	5.08	34.00	115000	2.15
1400606	LL1223	0.750	19.050	2x3	1892	1.81	14.80	5.72	12.00	32000	0.82
1400548	LL1234	0.750	19.050	3x4	1892	1.81	14.80	5.72	16.00	48000	1.14
1400607	LL1245	0.750	19.050	4x5	1892	1.81	14.80	5.72	19.70	64000	1.47
1400608	LL1256	0.750	19.050	5x6	1892	1.81	14.80	5.72	22.90	80000	1.70
1400609	LL1267	0.750	19.050	6x7	1892	1.81	14.80	5.72	26.70	96000	2.00
1400610	LL1278	0.750	19.050	7x8	1892	1.81	14.80	5.72	30.30	112000	2.30
1400048	1944	0.750	19.050	4x4	1891	2.29	14.80	5.72	21.30	73000	1.20
1400051	1966	0.750	19.050	6x6	1891	2.29	14.80	5.72	30.30	110000	1.78
1400054	1988	0.750	19.050	8x8	1891	2.29	14.80	5.72	40.00	140000	2.40
1400058	2523	1.000	25.400	2x3	2532	3.06	20.20	8.27	18.60	72000	1.65
1400059	2534	1.000	25.400	3x4	2532	3.06	20.20	8.27	25.30	108000	2.27
1400061	2545	1.000	25.400	4x5	2532	3.06	20.20	8.27	31.60	144000	2.93
1400062	2556	1.000	25.400	5x6	2532	3.06	20.20	8.27	37.20	180000	3.54
1400064	2567	1.000	25.400	6x7	2532	3.06	20.20	8.27	43.60	216000	4.20
1400065	2578	1.000	25.400	7x8	2532	3.06	20.20	8.27	50.00	252000	4.47
1400066	2588	1.000	25.400	8x8	2532	3.06	20.20	8.27	52.80	290000	5.20
1400071	3144	1.250	31.750	4x4	3154	4.16	22.80	10.17	37.90	214000	4.05
1400074	3166	1.250	31.750	6x6	3154	4.16	22.80	10.17	55.00	304000	6.04
1400082	3844	1.500	38.100	4x4	3806	5.55	30.70	14.63	49.10	360000	7.37
160244	-	2.000	50.800	4x4	5077	7.14	47.63	20.32	73.66	667200	17.58
160266	-	2.000	50.800	6x6	5077	7.14	47.63	20.32	103.38	934100	26.00
160288	-	2.000	50.800	8x8	5077	7.14	47.63	20.32	133.10	1245000	34.32
160388	-	3.000	76.200	8x8	7617	7.14	73.03	34.67	160.02	1842000	61.02
160300	-	3.000	76.200	10x10	7617	7.14	73.03	34.67	189.61	2342000	74.41

Other sizes available on request.  
Standard end links and fixings are available. Details on request.