



THEME PARK CHAINS

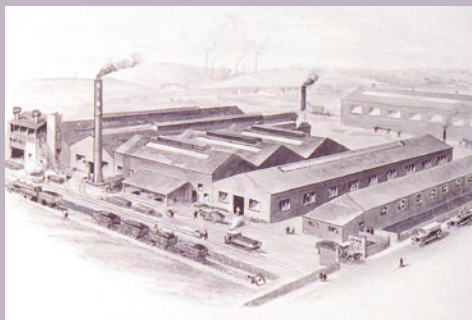


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Linking you to EXCELLENCE since 1926

JOHN KING



JOHN KING & COMPANY



Climax Works 1930's



Chain Assembly 1960's



New Climax Works 2000's

Company History and Qualifications

The John King Company was established in Leeds, England in 1926. Early success was achieved in the manufacture of mechanical handling equipment for the rapid mechanisation of the coal industry. In these early days conveyor chain was generally of cast link construction. The Company therefore has unrivalled experience in the production of highest quality cast link chains in ductile irons and steel under the "Climax Quality Brand". JOHN KING are undoubtedly the world leaders in this range of conveying chains.

Although cast link chains remain an important part of the JOHN KING programme, the company has progressively expanded the product range to encompass chains of other constructions and manufacturing techniques including Welded steel chains, engineered steel chains, forged fork link chains and Engineering plastic chains.

Today JOHN KING offer the widest range of conveyor chains of any manufacturer which makes them unique in being able to offer an infinite number of chain types in a variety of materials and constructions for a multiplicity of industry mechanical handling applications.

In recent years it has been JOHN KING's strategy to develop the Company into a global business. This has seen the establishment, in addition to the main factory in England, distribution Companies in North and South America, Africa, South East Asia and Central Europe. Our objective is to provide best service in supply of high quality chain and sprockets Worldwide.

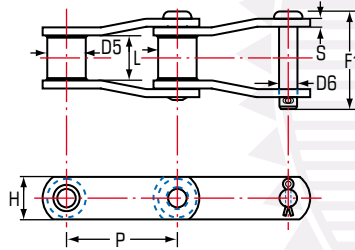
All products are manufactured within the dictates of the Company's quality management according to ISO 9000 establishing consistent and high quality products and ensuring performance reliability and extended service life.

The most extensive program of Conveyor and Drive Chains of any manufacturer enables KING CHAIN to satisfy all Theme Park chain requirements encountered including Engineering class chains, Roller Conveyor and Steel Bush Class, Welded Steel Chains and Offset sidebar Drive chains. KING have been supplying chains to the Theme industry for many years to both original equipment and replacement markets and have gathered a detailed insight into the special demands of the industry.

CONTENTS

Welded Steel Type Lift Chains **03** | Crank Link Roller Lift Chains **03** | Straight Sidebar Roller Lift Chains **04** | Steel Bushed Lift Chains **04** | Steel Bushed Water Ride Chains **05** | D-2590 with Grease Lubrication and Zinc Plating with Yellow Passivation **05** | European Standard Lift Chains ISO1977 (M series) Din 8167 **06**

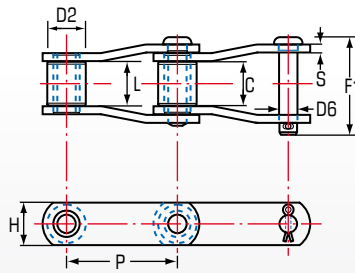
Welded Steel Type Lift Chains



Welded Steel Type Lift Chains

Chain Number	P	Working Load	Average Tensile Strength	Average Weight	Bushings	Between Sidebars	Sidebars		Pins	
					Outside Diameter		Thickness	Height	Diameter	Length
					D5		S	H	D6	F1
	inches	lbs		lbs/ft			inches			
WH82/R	3.075	4,400	37,500	5.60	1.219	1.750	0.250	1.250	0.563	3.219
WH124/R	4.000	7,350	60,000	8.50	1.438	2.063	0.375	1.500	0.750	4.188
WHX124/R	4.063	9,150	114,500	13.64	1.625	2.000	0.500	2.000	0.875	4.670
WH126/R	4.080	10,500	101,000	14.30	1.750	2.000	0.500	2.000	1.000	4.703
WH126/HD/R	4.080	10,500	140,000	15.60	1.750	2.000	0.500	2.250	1.000	4.578
WH132/R	6.050	14,500	100,000	13.50	1.750	3.375	0.500	2.000	1.000	5.953
WHX132/R	6.050	15,300	138,500	13.50	1.750	3.375	0.500	2.000	1.000	6.172
WHX855/R	6.050	17,450	205,000	14.50	1.750	3.313	0.563	2.500	1.125	6.156

Crank Link Roller Lift Chains

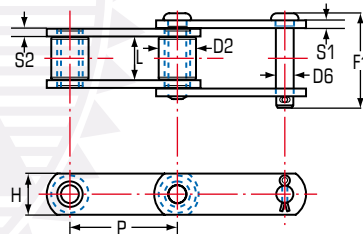


Crank Link Roller Lift Chains

Chain Number	P	Working Load	Average Tensile Strength	Average Weight	Roller	Between Sidebars	Sidebars		Pins	
					Outside Diameter		Thickness	Height	Diameter	Length
					D2		S	H	D6	F1
	inches	lbs		lbs/ft			inches			
JK4063	4.063	9,000	150,000	15.40	1.750	1.938	0.500	2.250	0.875	4.453
JK4073	4.073	10,500	170,000	15.60	1.781	2.062	0.500	2.375	0.938	4.590
JK4080	4.080	9,000	140,000	15.50	1.750	1.938	0.500	2.250	0.875	4.710
JK3605	6.050	13,400	110,000	15.50	1.750	3.375	0.500	2.000	0.875	6.047

Theme Park Chains

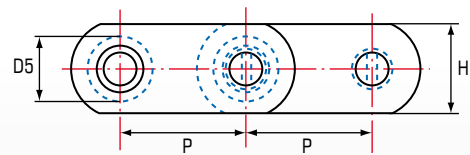
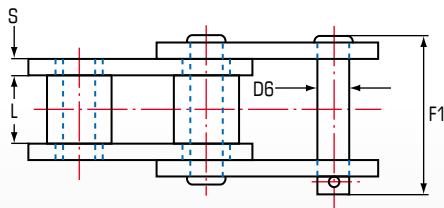
Straight Sidebar Roller Lift Chains



Straight Sidebar Roller Lift Chains

Chain Number	P	Working Load	Average Tensile Strength	Average Weight	Roller	Between Sidebars	Sidebars			Pins	
					Outside Diameter		Thickness		Height	Diameter	Length
					D2		L	S1	S2	H	D6
	inches	lbs	lbs/ft	inches							
D4660	4.760	14,450	170,000	15.65	1.750	1.950	0.551	0.500	2.374	0.948	4.484
D4769	6.300	48,000	385,000	54.25	1.500	3.000	0.750	NA	4.750	1.750	8.071

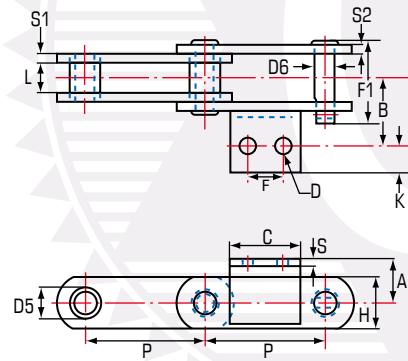
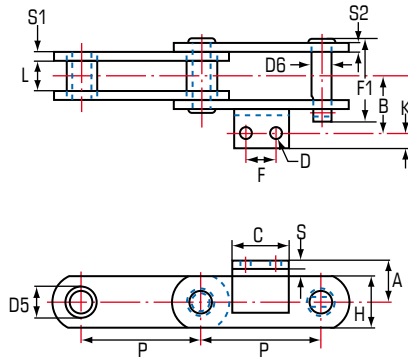
Steel Bushed Lift Chains



Steel Bushed Lift Chains

Chain Number	P	Working Load	Average Tensile Strength	Average Weight	Bushing	Between Sidebars	Sidebars		Pins	
					Outside Diameter		Thickness	Height	Diameter	Length
									D6	F1
	inches	lbs	lbs/ft	inches						
JKB102 1/2	4.040	7,900	70,000	9.200	1.375	2.188	0.375	1.750	0.750	4.313
D2589	4.040	7,900	70,000	13.650	1.500	2.283	0.350	2.560	1.000	4.055
JKB6099	4.040	9,200	72,000	10.700	1.375	2.250	0.375	2.000	0.875	4.270
JKB100	4.040	9,200	110,000	12.170	1.375	2.250	0.375	2.250	0.875	4.125
JKB440	4.040	7,400	97,000	12.300	1.500	1.375	0.375	2.500	1.000	3.188
JKB111	4.760	9,300	50,000	11.200	1.438	2.620	0.375	2.000	0.750	4.660
D4711	5.906	25,000	250,000	34.66	2.376	3.874	0.787	3.543	1.500	7.000
JKB6050	6.050	14,400	177,000	19.400	1.750	3.125	0.500	3.000	1.000	5.703

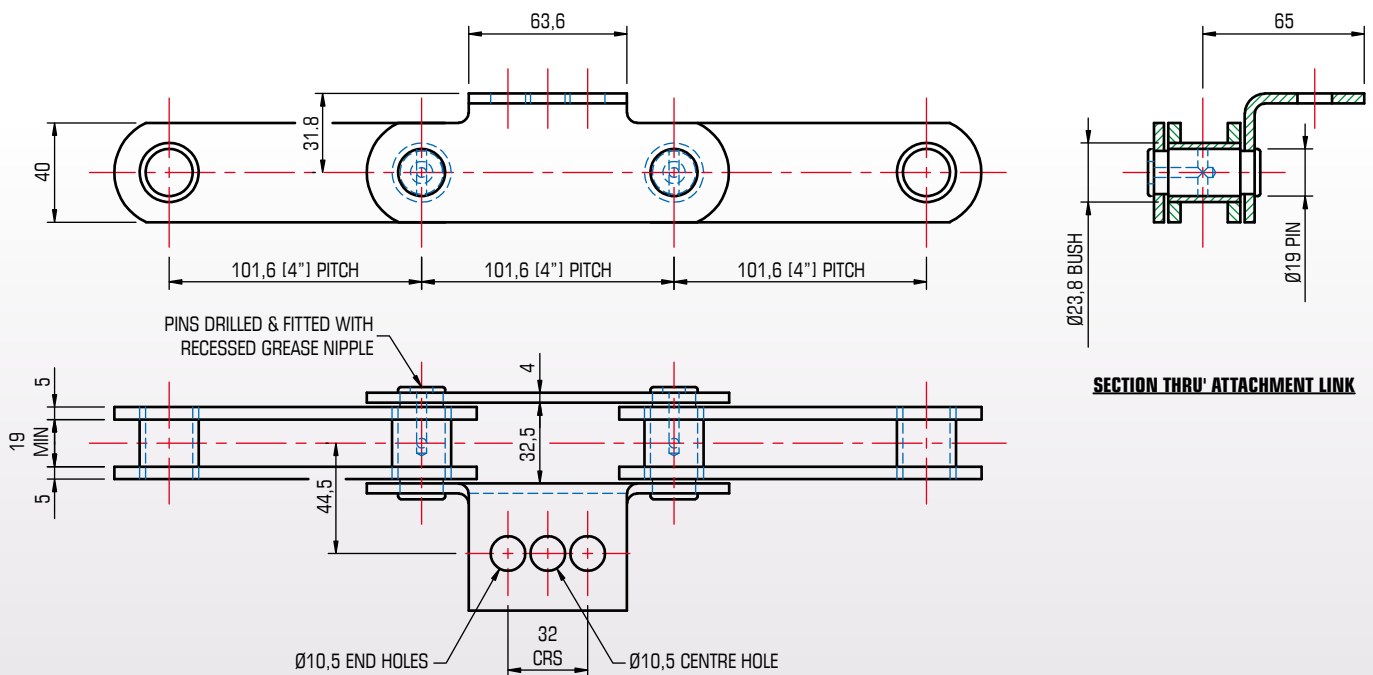
Steel Bushed Water Ride Chains



Steel Bushed Water Ride Chains

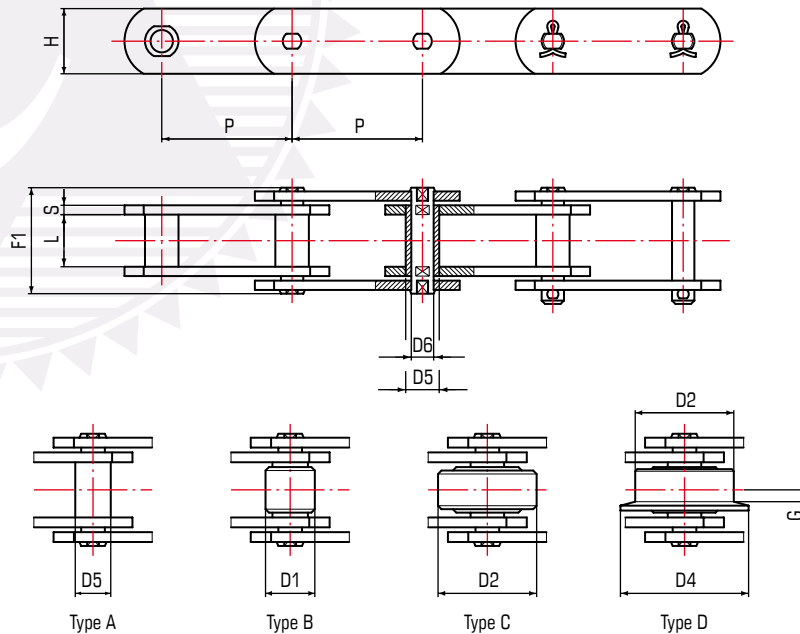
Chain Number	P	Working Load	Average Tensile Strength	Average Weight	Bushing	Between Sidebars	Sidebars			Pins		B	K	S	D	A	F	C
					Outside Diameter		Thickness		Height	Diameter	Length							
							D5	L	S1	S2	H							
	inches	lbs	lbs/ft	inches														
D2590	4.000	3,400	16,000	4.800	0.940	0.830	0.190	0.190	1.500	0.750	2.330	1.750	0.730	0.190	0.420	1.250	1.250	2.620
D2593	6.000	8,350	55,000	12.100	1.500	1.500	0.375	0.375	2.500	1.000	4.280	2.870	0.730	0.375	0.546	2.000	1.500	2.750
D4525	6.000	9,200	116,000	14.200	1.500	1.500	0.500	0.375	2.500	1.000	4.172	3.375	1.328	0.375	0.781	2.250	1.750	3.500
D4665	6.300	13,700	137,000	21.000	1.732	2.795	0.472	0.472	2.756	1.260	6.378	3.700	1.831	0.394	0.512	2.560	6.378	4.331

D-2590 with Grease Lubrication and Zinc Plating with Yellow Passivation



Please note sizes detailed from standard series theme park haulage and lift chains used in the industry. This is by no means executive and any sizes outside those details can be quoted.

European Standard Lift Chains ISO1977 (M series) Din 8167



European Standard Lift Chains ISO1977 (M series) Din 8167

Chain Number	P	Working Load		Average Weight	Rollers				Pins	Over All Pin & Cotter	Bushings	Between Sidebars	Sidebars	
					Style			Flange thicknes	Diameter		Diameter		Thickness	Height
				Bush Type	D1	D2	D4	G	D6	F1	D5	L	S	H
	mm	kN	kN*	kg/m	mm									
M112	80	112	175	6.30	30	60	75	7.5	15	63	21	32	6	40
M112	100	112	175	5.60	30	60	75	7.5	15	63	21	32	6	40
M112	125	112	175	5.80	30	60	75	7.5	15	63	21	32	6	40
M112	160	112	175	5.37	30	60	75	7.5	15	63	21	32	6	40
M112	200	112	175	4.63	30	60	75	7.5	15	63	21	32	6	40
M160	100	160	260	9.80	36	70	90	8.5	18	72	25	37	7	50
M160	125	160	260	8.50	36	70	90	8.5	18	72	25	37	7	50
M160	160	160	260	7.80	36	70	90	8.5	18	72	25	37	7	50
M160	200	160	260	7.30	36	70	90	8.5	18	72	25	37	7	50
M160	250	160	260	6.90	36	70	90	8.5	18	72	25	37	7	50
M224	125	224	340	12.30	42	85	105	10	21	84	43	43	8	60
M224	160	224	340	11.10	42	85	105	10	21	84	43	43	8	60
M224	200	224	340	10.20	42	85	105	10	21	84	43	43	8	60
M224	250	224	340	6.90	42	85	105	10	21	84	43	43	8	60
M224	315	224	340	8.98	42	85	105	10	21	84	43	43	8	60
M315	160	315	520	19.20	50	100	124	10.5	25	97	48	48	10	70
M315	200	315	520	16.70	50	100	124	10.5	25	97	48	48	10	70
M135	250	315	520	15.60	50	100	124	10.5	25	97	48	48	10	70
M315	315	315	520	14.70	50	100	124	10.5	25	97	48	48	10	70
M315	400	315	520	13.80	50	100	124	10.5	25	97	48	48	10	70

* Breaking Load With heat treated Plates

This is for guidance Only. Additional sizes according to FV standard Din8165 and variations on both series are available. Contact John King Technical for further clarification.



PLEASE NOTE THIS CATALOGUE DETAILS TYPICAL STANDARDS. JOHN KING SPECIALISE IN BESPOKE MANUFACTURE SO CAN SATISFY MOST THEME PARK CHAIN REQUIREMENTS ENCOUNTERED.

WITH JOHN KING CHAINS YOU CAN BE SURE TO RECIEVE:

- High Quality to a consistent standard
 - Superior performance under high shock loading
 - Excellent fatigue life with proven reliability
 - Attachment options where appropriate
 - Full Technical support
- Manufacturing to ISO 9000 Certificate No. FM77342

ENHANCED PRODUCTION FEATURES:

- Straight or Crank Link design
- Breaking loads up to 180,000 lbs (80,000 kg)
- Case or induction hardened round components
 - High interference fits
- Grease Lubrication optional
 - Shot peened plates
 - Individual inspection and identification
- Quality management in accordance with ISO 9000 certificate No. FM77342



By Royal Charter



Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

John King Chains Ltd
New Climax Works
Lancaster Way
Sherburn in Elmet
Leeds
LS25 6NS
United Kingdom

Holds Certificate Number: FM 77342

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

The manufacture, procurement and supply of conveying chains, sprockets and ancillary components including engineered steel, cast link, forged link and Acetal chains including related processes of machining, laser profiling, forming and general fabrication.



Andrew Launn, EMEA Systems Certification Director

For and on behalf of BSI:

Original Registration Date: 2003-11-15
Latest Revision Date: 2018-06-29

Effective Date: 2018-07-25
Expiry Date: 2021-07-24

Page: 1 of 1





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