



ELECTRIC CHAIN HOISTS



SERIES 627 LODESTAR

Lodestar electric chain hoists offer power, flexibility and a number of important safety features. All capacities are available in either single speed or two speed models. Heavy duty motors are rated at thirty minutes. Workings are completely enclosed and compact for low headroom. Safety features include Lodestar Protector™, a friction clutch assembly designed to stop the hoist when overloading occurs. A dual braking system – heavy duty magnetic and regenerative, plus upper and lower limit switches are additional Lodestar safety features. Snap action control station carries only 115 volts and is completely sealed, weatherproofed and waterproofed. Gears receive lifetime lubrication at factory. Utilizes famous CM HoistaloY® load chain. Latchlok® hook available as optional equipment. Standard length of lift is 10 ft. with other variable lifts upon request. Available in power supplies of 115/1/60, 230-460/3/60, 575/3/60. Other power supplies available upon request.

	ITEM#	PRODUCT CODE# 115-1-60	ITEM#	PRODUCT CODE# 230/460 3-60	ITEM#	PRODUCT CODE# 575-3-60	MODEL	MAX. CAPACITY (TONS)	HOIST LIFTING SPEED (FPM)
	SINGLE SPEED 10' LIFT	CMI9350	9350	CMI9356	9356	CMI9358	9358	A	1/8
CMI9386		9386	CMI9392	9392	CMI9394	9394	B	1/4	16
CMI9404		9404	CMI9410	9410	CMI9412	9412	C	1/4	32
CMI9422		9422	CMI9428	9428	CMI9430	9430	E	1/2	8
CMI9440		9440	CMI9428	9446	CMI9448	9448	F	1/2	16
CMI9200		9200	CMI9210	9210	CMI9206	9206	J	1/2	32
CMI9458		9458	CMI9464	9464	CMI9236	9466	H	1	8
CMI9230		9230	CMI9240	9240	CMI9236	9236	L	1	16
		-	CMI9248	9248	CMI9250	9250	LL	1	32
CMI9260		9260	CMI9270	9270	CMI9266	9266	R	2	8
		-	CMI9278	9278	CMI9280	9280	RR	2	16
CMI9527		9527	CMI9544	9544	CMI9533	9533	RT	3	5.5
		-	CMI9546	9546	CMI9538	9538	RRT	3	11
	ITEM#	PRODUCT CODE# 230-3-60	ITEM#	PRODUCT CODE# 460-3-60	ITEM#	PRODUCT CODE# 575-3-60	MODEL	MAX. CAPACITY (TONS)	HOIST LIFTING SPEED (FPM)
SINGLE SPEED 10' LIFT	CMI9362	9362	CMI9364	9364	CMI9366	9366	A2	1/8	10/32
	CMI9398	9398	CMI9400	9400	CMI9402	9402	B2	1/4	5/16
	CMI9416	9416	CMI9418	9418	CMI9420	9420	C2	1/4	10/32
	CMI9434	9434	CMI9436	9436	CMI9438	9438	E2	1/2	2.5/8
	CMI9452	9452	CMI9454	9454	CMI9456	9456	F2	1/2	5/16
	CMI9212	9212	CMI9214	9214	CMI9216	9216	J2	1/2	10/32
	CMI9470	9470	CMI9472	9472	CMI9474	9474	H2	1	2.5/8
	CMI9242	9242	CMI9244	9244	CMI9246	9246	L2	1	5/16
	CMI9254	9254	CMI9256	9256	CMI9258	9258	LL2	1	10/32
	CMI9272	9272	CMI9274	9274	CMI9276	9276	R2	2	2.5/8
	CMI9284	9284	CMI9286	9286	CMI9288	9288	RR2	2	5/16
	CMI9548	9548	CMI9550	9550	CMI9536	9536	RT2	3	1.75/5.5
	CMI9555	9555	CMI9552	9552	CMI9542	9542	RRT2	3	3.5/11

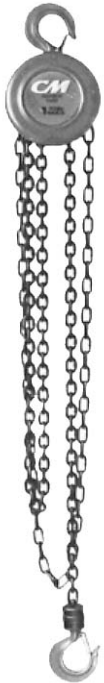


SERIES 627 CHAIN CONTAINER

Convenient chain containers are available for attachment to every Series 627 Hoist. Container stores slack chain and removes it from work area.

ITEM#	FOR 627 MODELS	LENGTH OF LIFT (FT.)
CMI2971	A-AA-B-C-F	10
CMI2972	E-H	10
	A-AA-B-C-F	15-20
CMI3541	J-JJ-L-LL	10
CMI3542	R-RR	10
	J-JJ-L-LL	15-20
CMI2973	E-H	15
CMI2974	E-H	20
CMI3543	R-RR	15
CMI3544	R-RR	20

HAND CHAIN HOISTS



SERIES 622 HAND CHAIN HOIST

The 622 comes equipped with hardened load chain for flexibility, strength and long wear. Guide slots in the wheel cover guard against chain slippage and jamming. Standard features include outdoor housing and a lubrication free Weston-type load brake. The compact design and low headroom make it simple to install in confined areas with no adjustments necessary. It is available in capacities from 1/2 through 10 tons. Rugged, lightweight and easy to handle. The Series 622 is an economical hand hoist offering outstanding value.

ITEM#	MAX. CAP. (TONS)	STD. LIFT (FT.)	NET WEIGHT (LBS.)	STRANDS OF CHAIN	CHAIN PULL TO LIFT FULL LOAD (LBS.)	SHORTEST DISTANCE BETWEEN HOOKS (IN.)
CMI2255	1/2	10	15	1	48	10
CMI2256	1	10	22	1	75	12
CMI2258	2	10	53	1	77	17
CMI2259	3	10	69	2	57	22
CMI2260	5	10	74	2	95	24
CMI2261	10	10	139	4	90	32

SERIES 640 LEVER TOOL (PULLER)

The Series 640 is a highly versatile tool that can be used to efficiently pull, lift, drag or stretch. A new, redesigned braking system is so reliable, the load is always under control and can be suspended at any point. Even under hostile conditions, the Series 640 resists malfunction due to dust, grit and water that can cause brake slippage. The Series 640 load chain is strong and durable CM Hoistloy®. The frame and handle are made of lightweight aluminum alloy. Latch type hooks are included on all capacities. Load Sentry Load Limiter® and Anchor Sling® are available as options. Load Sentry, available on new units or in kit form, is a special handle which deflects to give warning of an overload condition. Anchor Sling, available for 3/4 and 1 1/2 ton units, simplifies attachment when application or space limitations prevent a straight line pull from hook to hook. Latchlok hook available as optional equipment.



ITEM#	MAX. CAP. (TONS)	STD. LIFT (FT.)	PULL ON LEVER TO LIFT FULL LOAD (LBS.)	NET WEIGHT (LBS.)	SHIPPING WEIGHT (LBS.)	MINIMUM DISTANCE BETWEEN HOOKS (IN.)	STANDARD LEVER LENGTH (IN.)
CMI4113	3/4	5	58	14	16	10 3/4	21 1/4
CMI4115	1 1/2	5	83	24	26	14 1/4	21 1/4
CMI4117	3	5	95	34	37	17	21 1/4
CMI4120	6	5	96	65	74	21 3/8	21 1/4
CMI4190	3/4	LOAD LIMITER KIT – FACTORY INSTALLED ONLY					
CMI4191	1 1/2 - 6	LOAD LIMITER KIT – FACTORY INSTALLED ONLY					
CMI4096	3/4	PULLER LOAD SENTRY KIT ONLY					
CMI4098	1 1/2 - 6	PULLER LOAD SENTRY KIT ONLY					
CMI4071	3/4	ANCHOR SLING KIT ONLY					
CMI4072	1 1/2	ANCHOR SLING KIT ONLY					

SERIES 637 LEVER TOOL – SHORT HANDLE PULLER

CM Series 637 is an economical tool of high quality. Light weight and compact size make Series 637 highly portable and usable in tight spots. It is designed to handle rated capacity with realistic effort. Load chain is kink-resistant and flexible. Hooks are forged steel and heat treated. Both top and bottom hooks swivel easily through a full 360° and will accept standard CM latches.



ITEM#	MAX. CAP. (TONS)	STD. LIFT (FT.)	PULL ON STD. LEVER TO LIFT FULL LOAD (LBS.)	NET WEIGHT (LBS.)	HOOK THROAT OPENINGS (IN.)	MINIMUM DISTANCE BETWEEN HOOKS (IN.)	LEVER LENGTH (IN.)
CMI3733	3/4	5	35	18	15/16	11 3/8	11 1/2
CMI3735	1 1/2	5	40	27	1 1/16	13 5/8	16 1/4

HAND CHAIN HOISTS



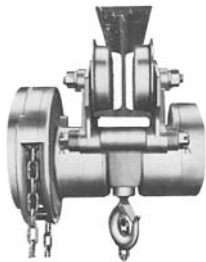
SERIES 646 (CYCLONE)

Series 646 is a high speed, spur geared hoist that delivers maximum efficiency and requires minimum maintenance. Corrosion-resistant aluminum alloy frame construction is lightweight, yet rugged. CM Hoistaloy® load chain-equipped for flexibility, strength and durability. Low headroom and compact design make Series 646 easy to install. Series 646 is equipped as standard with Load Limiter for automatic overload protection. When Series 646 is excessively overloaded, Load Limiter stops the lift.

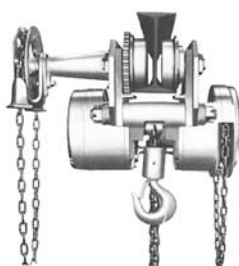
Series 646 has a fully enclosed brake requiring no lubrication. Neither extremes of temperature nor frequent stops will affect its positive load control. Latch type hooks are standard on all capacities. Lotchklok® hook is available as optional equipment. Exclusive 5 year guarantee.

ITEM#	MAX. CAP. (TONS)	STD. LIFT (FT.)	NET WEIGHT (LBS.)	SHIPPING WEIGHT (LBS.)	SHORTEST DISTANCE BETWEEN HOOKS (IN.)	CHAIN OVERHAULED TO LIFT LOAD ONE FOOT (FT.)	CHAIN PULL TO LIFT FULL LOAD (LBS.)
CMI5002	1/2	8	33	35	12 7/8	22 1/2	46
CMI5004CB	1	8	36	38	14	30	69
CMI5005	1 1/2	8	59	61	17 3/8	40 1/2	80
CMI5006	2	8	60	64	17 3/8	52	83
CMI5008	4	8	91	98	21 1/2	104	88
CMI5010	5	8	122	129	24 1/4	156	75
CMI5012	6	8	127	134	25 1/4	156	90
CMI5014	8	8	207	237	34 1/2	208	89
CMI5016	10	8	219	244	35 1/2	260	95

SERIES 648 (CYCLONE) LOW HEADROOM TROLLEY HOISTS



Plain



Geared

Series 648 Low Headroom Trolley Hoist is a Series 646 Hoist, built integral with a rugged trolley, resulting in better headroom than that obtained with the standard trolley and hoist. Load Limiter is standard. Trolley has crowned tread, flanged track wheels which minimize rolling friction. 1/2 and 1 ton models have malleable iron side frames and hardened pressed steel ball bearing wheels. Larger capacities have steel plate side frames and cast gray iron chilled tread wheels, equipped with two Timken bearings per wheel. Trolleys are adjustable for various American Standard I-Beam as listed below. Adjustment is accomplished by shifting separator washers.

* American Standard I-Beams

** In Geared type only, tread diameter of wheels is 4"

ITEM#	MAX. CAP. (TONS)	STD. LIFT (FT.)	STD. I-BEAM SIZES (IN.) **	NET WEIGHT (LBS.)		SHIPPING WEIGHT (LBS.)		CHAIN PULL TO LIFT FULL LOAD (LBS.)	CHAIN OVERHAULED TO LIFT LOAD ONE FT. (FT.)	MIN. HEADROOM (IN.)	MIN. RADIUS CURVE (IN.)
				PLAIN TROLLEY	GEARED TROLLEY	PLAIN TROLLEY	GEARED TROLLEY				
CMI5062	1/2	8	6-12*	75	-	86	-	46	22 1/2	8 7/8	36
CMI5064	1	8	6-12*	77	-	88	-	46	30	9 1/4	36
CMI5065	1 1/2	8	7-15*	163	190	186	212	80	40 1/2	12 1/2	48
CMI5066	2	8	7-15*	163	190	186	212	83	52	12 1/2	48
CMI5067	3	8	7-15	179	242	201	295	85	81	14 1/8	48
CMI5068	4	8	8-24	297	328	333	369	88	104	16 3/4	96
CMI5069	5	8	8-24	323	355	375	412	75	156	18 1/4	96
CMI5070	6	8	8-24	325	357	377	414	90	156	18 3/4	96

NYLON SLINGS

NYLON WEB SLINGS

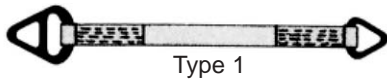
Nylon web slings are spark proof and lightweight. They will not dent or scratch and readily adapt to load contours. A 5 to 1 safety factor plus an early warning safety core provides an economical lifting device.

SLING SHOCK ABSORPTION: Nylon webbing slings will tend to stretch slightly when a load is applied. This stretch is desirable to cushion load against sudden shock. Stretching can be reduced by using slings with larger capacities.

NYLON RESISTANCE QUALITIES: Nylon slings are unaffected by alcohols, aldehydes, alkalis, dry cleaning solvents, ethers, greases, halogenated oils, soaps and detergents, water and seawater. Nylon slings are not recommended for use in or around sulfuric, hydrochloric, nitric and formic acids, and high temperature bleach solutions.

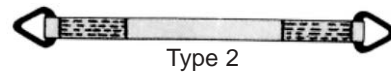
Please contact Guillevin Safety & Industrial for special lengths. Wear pads available. **Slings can be privately labeled at no extra cost.**
 * Choker capacities not applicable to Type 2 slings.

TYPE 1 – SINGLE PLY SLINGS TYPE 2



WIDTH (INCHES)	MODEL#	RATED CAPACITY IN LBS.		
		VERTICAL	*CHOCKER	BASKET
2	812	3200	2400	6400
3	813	4800	3600	9600
4	814	6400	4800	12800
5	815	8000	6000	16000
6	816	9600	7200	19200
8	818	12500	9500	25000
10	8110	16000	12000	32000
12	8112	19200	14400	38400

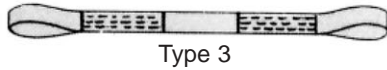
TYPE 1 – DOUBLE PLY SLINGS TYPE 2



WIDTH (INCHES)	MODEL#	RATED CAPACITY IN LBS.		
		VERTICAL	*CHOCKER	BASKET
2	822	4500	3800	9000
3	823	8400	6700	16800
4	824	11000	8800	22000
5	825	13500	10800	27000
6	826	16000	12000	32000

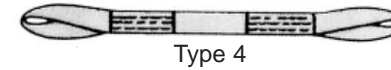
NOTE: Surety slings treated with PVC (polyvinyl chloride) are also available. PVC treated slings have increased chemical abrasion resistance and improved non-slipping characteristics. For treated slings add another "8" in front of Model#.

TYPE 3 – SINGLE PLY SLINGS TYPE 4



WIDTH (INCHES)	MODEL#	RATED CAPACITY IN LBS.		
		VERTICAL	*CHOCKER	BASKET
1	811	1600	1200	3200
2	812	3200	2400	6400
3	813	4800	3800	9600
4	814	6400	5100	12800
5	815	8000	6000	16000
6	816	9600	7200	19200
8	818	12500	9500	25000
10	8110	16000	12000	32000
12	8112	19200	14400	38400

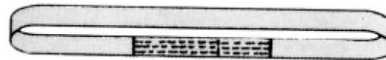
TYPE 3 – DOUBLE PLY SLINGS TYPE 4



WIDTH (INCHES)	MODEL#	RATED CAPACITY IN LBS.		
		VERTICAL	*CHOCKER	BASKET
1	821	3000	2400	6000
2	822	6000	4800	12000
3	823	8400	6700	16800
4	824	11000	8800	22000
5	825	13500	10800	27000
6	826	16000	12800	32000
8	828	21000	16000	42000
10	8210	25000	19000	50000
12	8211	30000	23000	60000

TYPE 5

SINGLE PLY SLINGS



DOUBLE PLY SLINGS

WIDTH (INCHES)	MODEL#	RATED CAPACITY IN LBS.		
		VERTICAL	*CHOCKER	BASKET
1	811	3100	2450	6200
2	812	6000	4800	12000
3	813	9400	7500	18800
4	814	10000	8000	20000
5	815	14000	11000	28000
6	816	18000	14000	36000
8	818	25000	19000	50000
10	8110	30000	23000	60000
12	8112	35000	27000	70000

WIDTH (INCHES)	MODEL#	RATED CAPACITY IN LBS.		
		VERTICAL	*CHOCKER	BASKET
1	821	6000	4800	12000
2	822	12000	9600	24000
3	823	17600	14000	35200
4	824	22000	17000	44000
5	825	27000	21000	54000
6	826	32000	25000	64000
8	828	40000	30000	80000
10	8210	50000	38000	100000
12	8212	60000	46000	120000

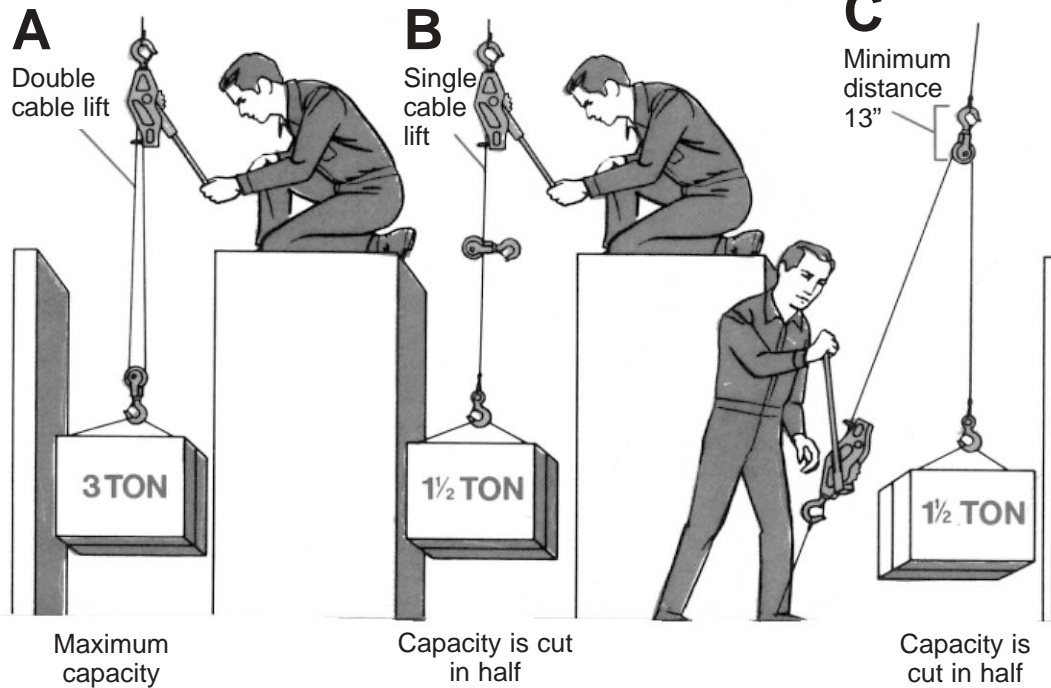


LUG-ALL[®] CORPORATION

CABLE HOIST WITH SAFETY HOOKS

- 1/2 to 3 ton capacities • Cable lengths to 50 ft. • Lightweight – from 7 lbs. • Completely portable (no chains to drag) • Operates smoothly right side up or upside down in most positions • Forged-steel safety hooks straighten if overstressed • Three workable hooks instead of two • Factory tested to 50% overload • Easily rigged and carried by one man • Interlocking pawl system will not slip even if wet or oily • Free release – works only when hoist is unloaded • Operates at two speeds • Adjusts for close control.

LUG-ALLS HAVE 3 BASIC RIGGING POSITIONS:



ITEM#	CAPACITY tons	"A" RIG				"B" RIG				"C" RIG				CABLE		Total Weight lbs.
		Capacity in lbs.	Handle pull for full load lbs.	Lifting distance	Min. distance between hooks	Capacity in lbs.	Handle pull for full load lbs.	Lifting distance	Min. distance between hooks	Capacity in lbs.	Handle pull for full load lbs.	Lifting distance	Min. distance between hooks	Diam.	Length	
Small Frame																
LUG100015SH	1/2	—	—	—	—	1000	77	15'	16"	—	—	—	—	3/16"	16'	7
LUG150025SH	3/4	1500	67	12 1/2'	21"	750	65	25'	16"	750	65	25'	10"	5/32"	26'	8 1/2
LUG225015SH	1 1/8	2250	86	7 1/2'	21"	1125	83	15'	16"	1125	83	15'	10"	3/16"	16'	8 3/4
LUG25020SH	1 1/8	2250	86	10'	21"	1125	83	20'	16"	1125	83	20'	10"	3/16"	21'	9 1/4
LUG300010SH	1 1/2	3000	100	5'	21"	1500	97	10'	16"	1500	97	10'	10"	7/32"	11'6"	9
Medium Frame																
LUG225038SH	1 1/8	2250	100	19'	23 1/2"	1125	83	38'	18"	1125	83	38'	10"	3/16"	39'6"	13 3/4
LUG300030SH	1 1/2	3000	100	15'	23 1/2"	1500	97	30'	18"	1500	97	30'	10"	7/32"	31'6"	13 3/4
LUG400020SH	2	4000	115	10'	26 1/2"	2000	110	20'	18 1/2"	2000	110	20'	13"	1/4"	22'	15 1/2
Medium Large Frame																
LUG600015SH	3	6000	110	7 1/2'	34"	3000	105	15'	26 1/2"	3000	105	15'	17"	5/16"	18'	34

TIRMASTER

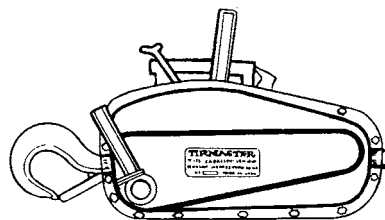


SPIDER STAGING CANADA

The Tirmaster is a light, powerful machine that is easy to move and to use. These features make it possible to solve numerous pulling and lifting problems in a practical and safe manner. The Tirmaster need not accompany a wire-drum for rolling up wire-rope, and is therefore small in size, light in weight. By moving the handle, left and right, the wire rope passes straight through the Tirmaster as if it were hauled hand over hand, by means of two jaw blocks inside the unit. The basic principle ensures maximum safety as the load is automatically held securely.

USES:

- Suspended Scaffolding
- Steel Erecting
- Cable Tensioning
- Demolition
- Plant Maintenance
- Loading/Unloading/Securing Loads
- Moving Heavy Machinery
- Pipe Laying
- Police & Fire Dept.
- Emergency Work
- Formwork Removal
- Moving Freight Cars
- Withdrawing Mine Props



FEATURES:

- Small and light
- Equipped with two safety devices, ensuring safe operation
- Wire rope is drawn out straight, regardless of length, ensuring distant operation
- Transmission speed is the fastest of all hand-driven hauling devices
- Wire rope can be used at any working degree
- Equipped with a safety hook
- Designed and manufactured for maximum efficiency & durability

SPECIFICATIONS

Lifting capacity	1,700 lbs.	3,300 lbs.	6,600 lbs.
Pulling capacity	2,800 lbs.	5,500 lbs.	11,000 lbs.
Test to	3,300 lbs.	6,600 lbs.	13,200 lbs.
Length of handle	30"	41"	45"
Steel wire cable diameter	5/16"	7/16"	5/8"
Net weight without cable	17 lbs.	48 lbs.	61 lbs.
External dimension in inches	19 1/2" x 9" x 4"	25" x 12" x 6"	28 1/4" x 12 1/2" x 5 1/2"
Material casing	SS40 (JIS)	SS40 (JIS)	Aluminum cast iron
Transmission speed per minute	16 feet	12 feet	10 feet
Breaking strength of wire cable	8,800 lbs.	17,200 lbs.	35,400 lbs.
Safety device	safety pins	safety pins	safety pins
* UL Listed – Rated Capacity	1,500 lbs.	3,000 lbs.	—