PREMIUM CHAIN BLOCK HOIST

SUMNER MATERIAL LIFTS

AN SFE GROUP BRAND

OPERATOR'S MANUAL

www.SUMNER.com

INTRODUCING THE S.F.E. GROUP

The **Specialized Fabrication Equipment Group** (in short: **S.F.E. Group**) was founded in 2019 after the merger of three world leading OEM's in the field of pipe fabrication tooling and machinery: B&B Pipe and Industrial Tools LLC (USA), Mathey Dearman Inc. (USA) and TAG Pipe Equipment Specialists (UK). In a time span of 5 years, another 4 renowned and market leading companies were acquired and added to the **S.F.E. Group** portfolio: Axxair (France, 2022), Magnatech (USA, 2023), Climax (USA, 2023) and SUMNER (USA, 2025).

The vision and philosophy of the **S.F.E. Group** is to offer globally a comprehensive innovative and cost-effective range of specialized fabrication, welding and machining equipment and derived rental solutions, for a wide range of applications within all critical industries, while optimizing performance, efficiency and safety.

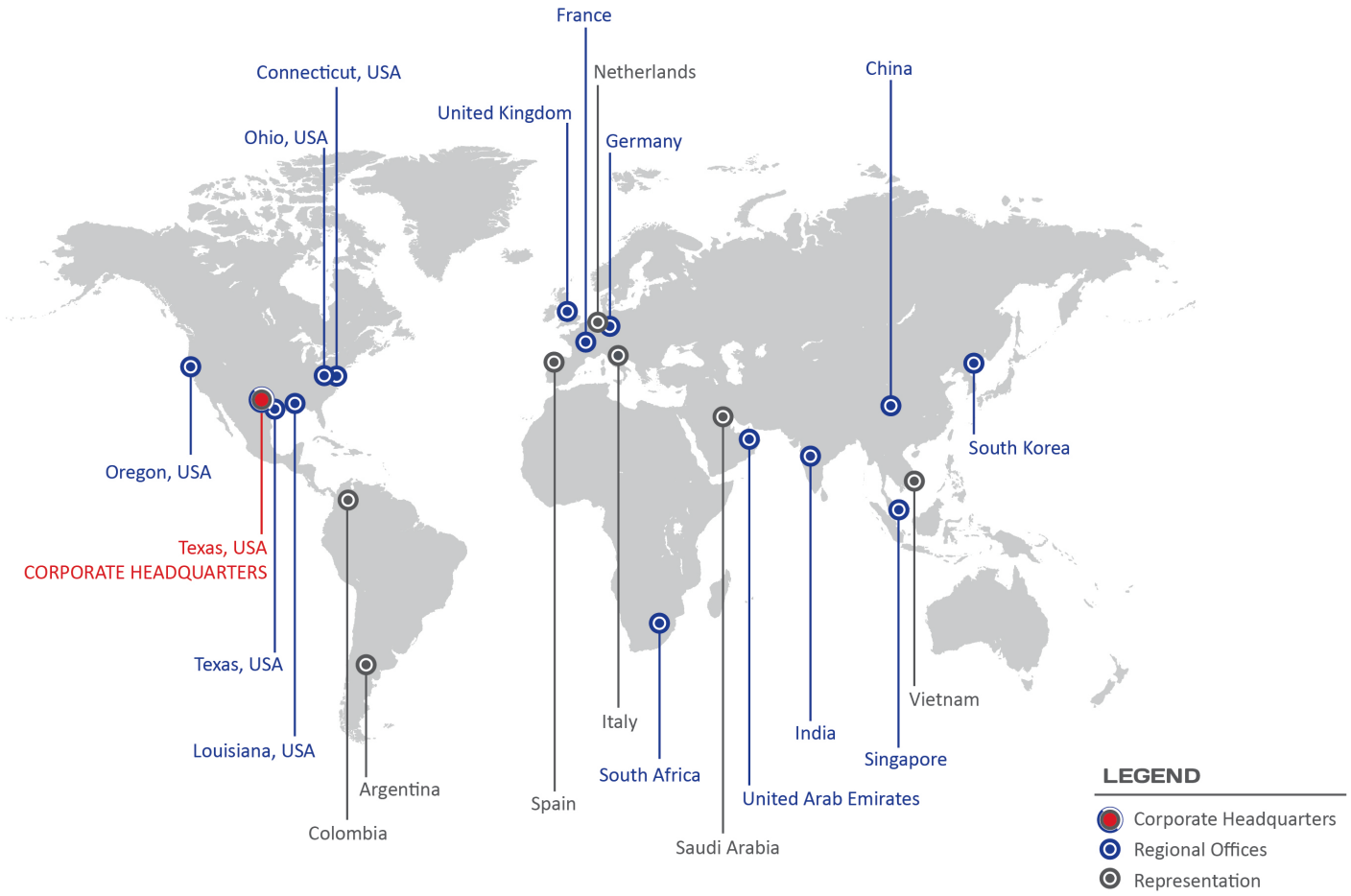
Leveraging over 200 years of combined experience in engineering, manufacturing, and field applications, the **S.F.E. Group** is committed to driving innovation. Through continuous product development and strategic acquisitions, the **S.F.E. Group** is actively growing its portfolio and expanding its global presence to meet the demands of industries around the world. Currently, the **S.F.E. Group** consists of 12 complimentary brands, each supporting the others in delivering cutting-edge solutions.

With offices and warehousing on 5 continents, 400+ employees and more than 500 partnerships and distributors worldwide, **S.F.E. Group** prides itself on consistently offering the highest standards of both product quality and service locally to all its customers.

S.F.E. Group looks forward to welcoming you into its global network as a partner, distributor or end user customer and remains at your disposal at any time.

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S.F.E. GROUP GLOBAL PRESENCE



INTRODUCING SUMNER MATERIAL LIFTS

SUMNER Material Lifts is a world leading brand in the material handling and construction industries, renowned for its innovative, durable, and user-friendly solutions. Founded in 1965 and now a part of the Specialized Fabrication Equipment Group (in short S.F.E. Group), **SUMNER Material Lifts** has built a global reputation for providing high-quality lifting equipment. Designed with safety and efficiency in mind, **SUMNER Material Lifts** products are widely used by professionals in mechanical contracting, plumbing, HVAC, welding, and electrical installation.

SUMNER Material Lifts' product line includes a broad range of lifting tools such as material lifts, duct lifts, Roust-A-Bouts, gantries, and heavy-duty hoists, all engineered to meet the demanding requirements of job sites around the world. All equipment is known for ease of use, robust construction, and industry-leading safety features, making it the preferred choice for both large-scale industrial projects and everyday construction needs.

With a long tradition of quality, reliability and value and a strong commitment to innovation and customer satisfaction, **SUMNER Material Lifts** continues to set the standard in lifting and material handling solutions.

In conjunction with all other S.F.E. Group portfolio's brands, **SUMNER Material Lifts** continues to lead the way in lifting and fabrication solutions, delivering tools that elevate the operator's standard of work.

SUMNER Material Lifts products are always nearby available within the S.F.E. Group global network and can be consulted on the dedicated website: www.SUMNER.com

INDUSTRIES SERVED

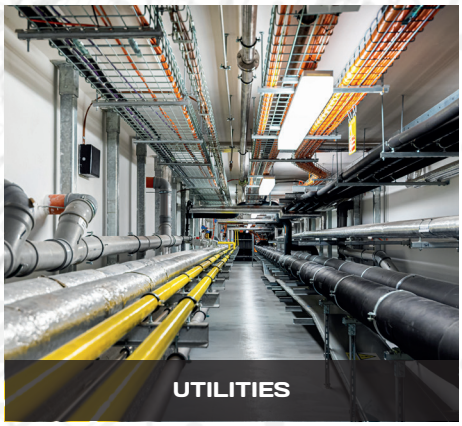

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OUR BRANDS

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Our group policy is one of continuous improvements and acquisitions. Products and data tables are subject to change and may vary from those illustrated. Copyright © 2025 Specialized Fabrication Equipment Group, All rights reserved.

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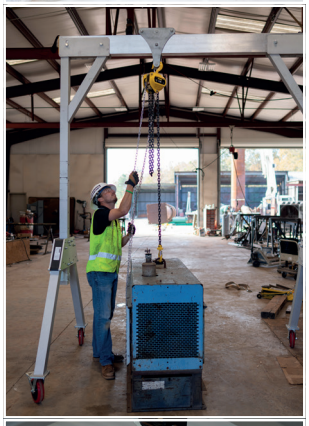
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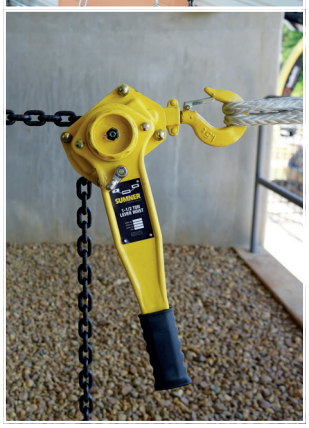
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PARTS LIST

SAFETY FIRST

Safety is essential in the use and maintenance of Sumner Equipment. This instruction manual and any markings on the tool provide information for avoiding hazards and unsafe practices related to the use of this tool. Observe all the safety information provided.

SAFETY ALERT SYMBOLS

These symbols are used to call attention to hazards or unsafe practices related that could result in injury or property damage. The three safety words defined below indicate the severity of the hazard. The message after the signal word provides information for preventing or avoiding the hazard.



DANGER - Immediate hazards that if not avoided **WILL** result in severe injury or death



WARNING - Hazards that if not avoided **COULD** result in severe injury or death



CAUTION - Hazards or unsafe practices that, if not avoided **MAY** result in severe injury or death

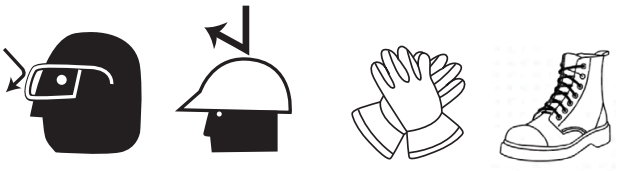
IMPORTANT SAFETY INFORMATION



⚠ WARNING

• Read and understand all instructions and safety information in this manual before operating or servicing this tool.

FAILURE TO OBSERVE THESE WARNINGS COULD RESULT IN SEVERE INJURY OR DEATH



⚠ WARNING - Personal Safety Hazards

• Only qualified persons should use the Sumner Premium Chain Block Series PCB Hoist.
• Wear eye protection, hard hat, cut resistant gloves and safety toe shoes when using this tool.
• Do not use tool while tired or under the influence of drugs, alcohol, or medication.
• **Keep body parts and loose clothing away from moving parts.**
• Always follow safety procedures as shown in this manual.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

⚠ DANGER : Electrical Shock Hazards



• This is not an insulated tool, contact with live circuits could result in severe injury or death.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

IMPORTANT SAFETY INFORMATION

⚠ WARNING: Entanglement Hazard



• Do not operate this tool while wearing loose fitting clothing. Retain long hair.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

⚠ WARNING: Tool Use Hazards

• Use this tool for the manufacturers intended purpose only. Use other than that described in this manual can result in injury or property damage.
• Only qualified personnel should configure and use the Sumner Premium Chain Block Hoist .
• This hoist is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safeoperation of a chain block hoist, do not use until proper training and knowledge has been obtained.
• Do not use to lift, support or transport people; or to lift or support loads over people.
• Do not exceed the rated capacity of the hoist.
• Do not use the chain as a sling. This may cause damage to the chain.
• Always inspect the hoist for damage prior to use. If hoist is damaged, do not use until it has been repaired or replaced.
• Do not use more than one hoist to lift or move a load. If this is unavoidable, each hoist must have the same capacity as the load to be moved.
• Never allow chain to “set” over sharp edges. All pulls or lifts must be made with straight chain that is free of obstacles.
• If the hoist is difficult to operate, then the load exceeds the capacity of the hoist. Reduce load or select a hoist of larger capacity.
• Do not use hoist if the chain is twisted, kinked or damaged.
• Do not operate hoist unless load is centered between top and bottom hooks.

INTRODUCTION

• On hoists with the overload warning lever, do not use this device to measure load weight.
• Always take time to study the job to be performed and choose the safest method. Do not place yourself or other people in an unsafe position.
•Always maintain your balance and firm footing when operating the Chain Block hoist.
•Leave all internal maintenance and inspections to a qualified Sumner Service Center.
•Do not attempt to lengthen or repair load chain. Replace chain with factory replacement chain only. Do not use any other type of chain.
• Be sure supporting structures and load-attaching devices use in conjunction with this hoist provide an adequate safety factor to handle the rated load plus the weight of the equipment. If in doubt, consult a qualified structural engineer.
• Keep visitors a safe distance from the work area. Keep children away.
• Stand to one side of the load being lifted and make sure no ne else is standing underneath when lifting a load. Should a load slip, it will descend at a high rate of speed and can cause serious injuries to anyone standing directly underneath.
• Understand and follow all procedures as set forth in America National Standards titled “Performance Standard for Hand Chain Manually Operated Chain Hoists.” ANSI/ASME HST-2; and “Overhead Hoists (Underhung),”ANSI/ASME B30.16. These standards are available through the American Society of Mechanical Engineers, www.ASME.org.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

⚠ CAUTION

• Do not use if any parts are damaged as this can cause an unsafe condition and lead to tool malfunction or failure.
• If tool is in disrepair, **DO NOT USE**. Have tool inspected and repaired prior to use.

FAILURE TO OBSERVE THESE CAUTIONS CAN RESULT IN INJURY OR PROPERTY DAMAGE

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to http://www.p65warnings.ca. gov.

PURPOSE OF THIS MANUAL

This manual is intended to familiarize all personnel with the safe installation and operation of the following:
Premium Chain Block Series Hoist.

Keep this manual available to all personnel. Replacement manuals are available upon request at no charge at www.sumner.com.

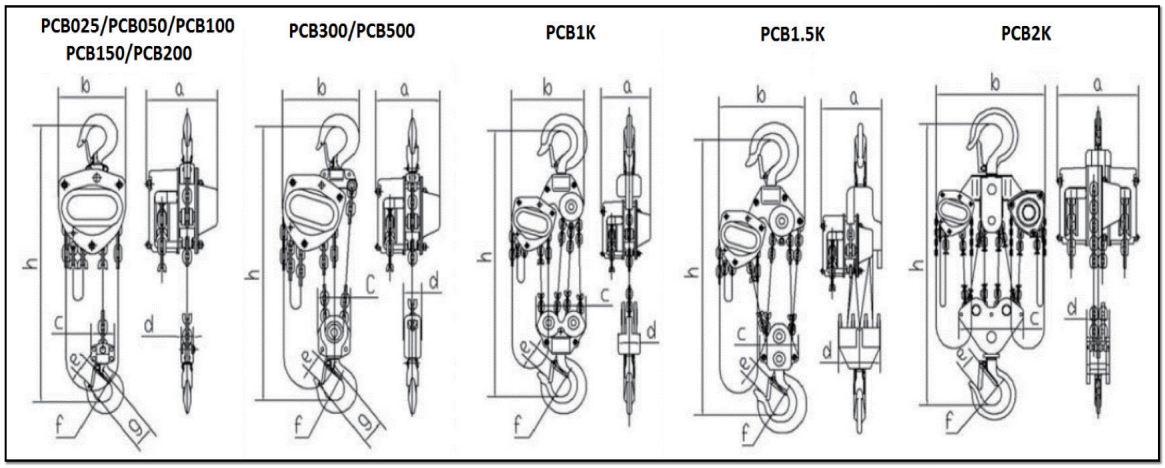
Description of Operation

This manual is provided by Sumner covering the safe operation and maintenance procedures for the Sumner Premium Chain Block Series Hoists . This manual contains instructions on installation, safety precautions, general operating procedures, maintenance instructions and parts breakdown. This tool has been designed and constructed to provide consistent, long-term operation if used in accordance with instructions set forth in this manual.
The Chain Block Series Hoists are all steel construction with a powder coat finish and have a completely enclosed Weston-type automatic brake system.

The Premium Chain Block Series Hoists are proof-tested and comply with OSHA, ANSI/ASME B30.21 and HST-3 standards.

If there are any questions or comments, please contact either your local supplier or Sumner Manufacturing. Sumner can also be reached at our web site: www.sumner.com.
The specifications in this manual were current at time of publication, but because of our policy of continuous improvement, Sumner reserves the right to change specifications at any time and without prior notice, without incurring obligations.

SPECIFICATIONS



Premium Chain Block Hoist .25 ton through 20 ton															
Stock Number	Model Number	Rated Capacity (tonnes)	Std. Lift (ft.)	Min. Distance between hooks (in.) "h"	No. of falls	Load Chain (mm)	Pull to Rated Load (lb)	Body Depth (in.) "a"	Body Width (in.) "b"	Bottom Hook Mount Width (in.) "c"	Bottom Hook Mount Depth (in.) "d"	Hook Throat Opening (in.) "e"	Base Hook Opening (in.) "f"	Hook Opening Center Point (in.) "g"	Net Weight (lbs)
787400	PCB025C10	0.25	10	10.23	1	4 x 12	49.45	3.93	4.25	1.77	1.02	1.06	1.25	1.39	8.58
787401	PCB025C15	0.25	15	10.23	1	4 x 12	49.45	3.93	4.25	1.77	1.02	1.06	1.25	1.39	11.36
787402	PCB025C20	0.25	20	10.23	1	4 x 12	49.45	3.93	4.25	1.77	1.02	1.06	1.25	1.39	14.14
787403	PCB025C30	0.25	30	10.23	1	4 x 12	49.45	3.93	4.25	1.77	1.02	1.06	1.25	1.39	19.7
787404	PCB050C10	0.50	10	11.22	1	5 x 15	49.23	5.43	5.47	2.08	0.98	1.06	1.25	1.36	23.76
787405	PCB050C15	0.50	15	11.22	1	5 x 15	49.23	5.43	5.47	2.08	0.98	1.06	1.25	1.36	29.26
787406	PCB050C20	0.50	20	11.22	1	5 x 15	49.23	5.43	5.47	2.08	0.98	1.06	1.25	1.36	34.76
787407	PCB050C30	0.50	30	11.22	1	5 x 15	49.23	5.43	5.47	2.08	0.98	1.06	1.25	1.36	45.76
787408	PCB100C10	1	10	13.38	1	6.3 x 19	69.24	6.73	6.33	1.98	1.18	1.29	1.57	1.77	27.28
787409	PCB100C15	1	15	13.38	1	6.3 x 19	69.24	6.73	6.33	1.98	1.18	1.29	1.57	1.77	33.88
787410	PCB100C20	1	20	13.38	1	6.3 x 19	69.24	6.73	6.33	1.98	1.18	1.29	1.57	1.77	40.48
787411	PCB100C30	1	30	13.38	1	6.3 x 19	69.24	6.73	6.33	1.98	1.18	1.29	1.57	1.77	47.68
787412	PCB150C10	1.50	10	14.76	1	7.1 x 21	73.96	7.00	7.16	2.49	1.33	1.31	1.65	1.86	34.32
787413	PCB150C15	1.50	15	14.76	1	7.1 x 21	73.96	7.00	7.16	2.49	1.33	1.31	1.65	1.86	42.02
787414	PCB150C20	1.50	20	14.76	1	7.1 x 21	73.96	7.00	7.16	2.49	1.33	1.31	1.65	1.86	49.72
787415	PCB150C30	1.50	30	14.76	1	7.1 x 21	73.96	7.00	7.16	2.49	1.33	1.31	1.65	1.86	65.12
787416	PCB200C10	2	10	16.33	1	8 x 24	84.30	7.55	7.95	2.49	1.33	1.45	1.81	2.05	44.00
787417	PCB200C15	2	15	16.33	1	8 x 24	84.30	7.55	7.95	2.49	1.33	1.45	1.81	2.05	52.43
787418	PCB200C20	2	20	16.33	1	8 x 24	84.30	7.55	7.95	2.49	1.33	1.45	1.81	2.05	60.86
787419	PCB200C30	2	30	16.33	1	8 x 24	84.30	7.55	7.95	2.49	1.33	1.45	1.81	2.05	77.72
787420	PCB300C10	3	10	20.27	2	7.1 x 21	76.65	7.08	9.25	4.13	2.08	1.71	2.04	2.45	52.80
787421	PCB300C15	3	15	20.27	2	7.1 x 21	76.65	7.08	9.25	4.13	2.08	1.71	2.04	2.45	64.53
787422	PCB300C20	3	20	20.27	2	7.1 x 21	76.65	7.08	9.25	4.13	2.08	1.71	2.04	2.45	76.26
787423	PCB300C30	3	30	20.27	2	7.1 x 21	76.65	7.08	9.25	4.13	2.08	1.71	2.04	2.45	99.72
787424	PCB500C10	5	10	26.37	2	9 x 27	75.31	7.87	11.10	5.18	2.51	2.00	2.36	3.06	90.20
787425	PCB500C15	5	15	26.37	2	9 x 27	75.31	7.87	11.10	5.18	2.51	2.00	2.36	3.06	106.33
787426	PCB500C20	5	20	26.37	2	9 x 27	75.31	7.87	11.10	5.18	2.51	2.00	2.36	3.06	122.46
787427	PCB500C30	5	30	26.37	2	9 x 27	75.31	7.87	11.10	5.18	2.51	2.00	2.36	3.06	154.72
												*			
787428	PCB1KC10	10	10	34.05	4	9 x 27	79.35	7.87	14.17	10.25	3.74	2.51	3.34		217.80
787429	PCB1KC15	10	15	34.05	4	9 x 27	79.35	7.87	14.17	10.25	3.74	2.51	3.34		246.76
787430	PCB1KC20	10	20	34.05	4	9 x 27	79.35	7.87	14.17	10.25	3.74	2.51	3.34		275.72
787431	PCB1KC30	10	30	34.05	4	9 x 27	79.35	7.87	14.17	10.25	3.74	2.51	3.34		333.64
787432	PCB1.5KC10	15	10	39.37	6	9 x 27	81.60	8.66	19.37	4.29	6.69	3.14	3.93		336.60
787433	PCB1.5KC15	15	15	39.37	6	9 x 27	81.60	8.66	19.37	4.29	6.69	3.14	3.93		378.40
787434	PCB1.5KC20	15	20	39.37	6	9 x 27	81.60	8.66	19.37	4.29	6.69	3.14	3.93		420.20
787435	PCB1.5KC30	15	30	39.37	6	9 x 27	81.60	8.66	19.37	4.29	6.69	3.14	3.93		503.80
787436	PCB2KC10	20	10	45.27	8	9 x 27	79.35	8.66	25.78	11.15	4.84	3.22	4.33		451.00
787437	PCB2KC15	20	15	45.27	8	9 x 27	79.35	8.66	25.78	11.15	4.84	3.22	4.33		508.93
787438	PCB2KC20	20	20	45.27	8	9 x 27	79.35	8.66	25.78	11.15	4.84	3.22	4.33		566.86
787439	PCB2KC30	20	30	45.27	8	9 x 27	79.35	8.66	25.78	11.15	4.84	3.22	4.33		682.72

OPERATION

1. Support for the hoist may be hook, clevis pin, trolley, or beam clamp. Whatever method of suspension is chosen, the support components must be rated equal to, or greater than the capacity of the chain hoist.
2. If the chain hoist has not been used for an extended period of time, check for proper operation before putting into service.
3. The brake mechanism must be kept clean and free from dirt, water, and oil. Never allow oil to penetrate the brake mechanism. Always keep your chain hoist clean and store in a clean, dry location.
4. Although oiling the chain is not mandatory, a light coat of 30W oil applied periodically to the chain will create easier operation and prolong the life of the chain.
5. Check the chain for damage and elongation. Replace damaged chain before using the chain hoist.

NOTE: The load chain supplied with your Sumner chain hoist is designed, manufactured, and tested for proper fit and durability. Over a period of time, the chain may need to be replaced. For your own safety, use factory replacement chain only.

> ⚠ **WARNING:** Use of other than factory replacement chain may cause serious injury and/or damage to the hoist.

6. The top and bottom hooks on your Sumner chain a space hoist are designed to open to warn of an overload. Both top and bottom hooks (1/4T to 5T models) have indicator points cast into the hook per FIG 1. The measurement between indicator points must fall below the limit shown in FIG 16. If it exceeds the limit, the hook must be replaced. Hooks for 15 and 20-ton hoists do not have indicator points. Measurements are made at the jaw opening.



FIG 1

OPERATION

7. It is important to check top and bottom hooks for proper opening. If the safety latch no longer contacts the hook opening, replace the hook.

> ⚠ **WARNING:** Never side load the top or bottom hook; this is dangerous and could lead to serious injury.

8. If the vertical angle at the neck of the bottom or top hook reaches 10° per FIG 2, replace the hook.

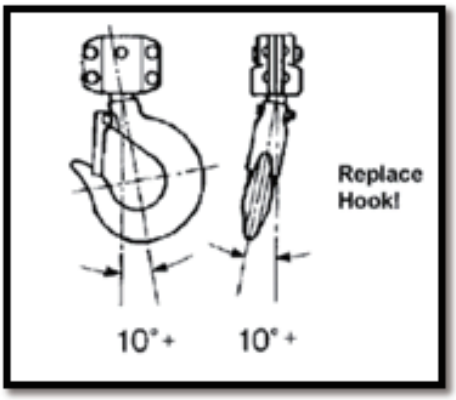


FIG 2

HOOK SECURING

1. Secure the upper hook.
2. Place the bottom hook securely into the object to be lifted.
3. Place ropes or chain in the center of the bottom hook, making sure the safety latch is secure. Never load the hook in front of the safety latch. See FIG 3.

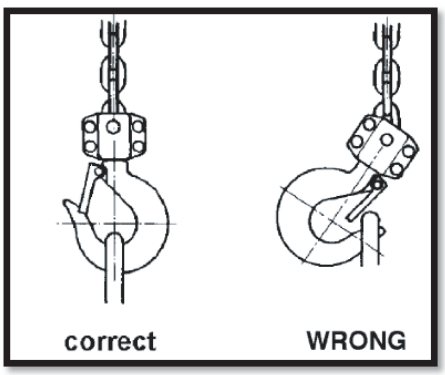


FIG 3

OPERATION

1. Avoid lifting one load with two hoists. If this is unavoidable, apply equal weight to both hoists and use hoists with the proper lift capacity. Capacity of each hoist must be equal to the total load to be lifted.
2. Check that the chain is not twisted at the bottom hook. All welds should face the same direction FIG 4.
3. For hoists with two or more falls of chain, make sure the bottom hook is not capsized (turned over). This may cause the chain to twist.

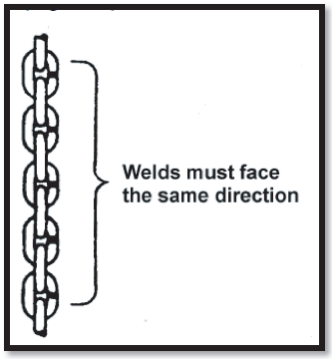


FIG 4

LOAD RAISING

To raise load, pull right side of hand chain (A, FIG 5) so that wheel turns clockwise. To lower load, pull left side of hand chain (B, FIG 5) so that wheel turns counterclockwise.

NOTE: Make sure hoist has an adequate length of load chain to raise or lower the load in a safe manner. Do not attempt to lower hoist beyond its limit.

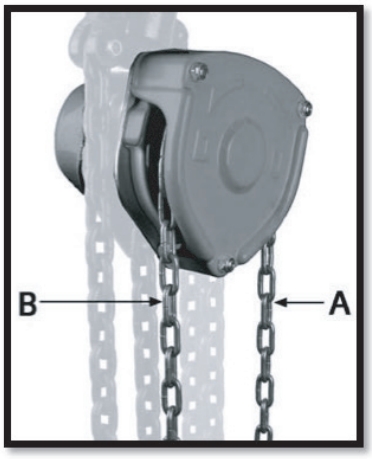


FIG 5

HAND CHAIN LENGTH ADJUSTMENT

To cut hand chain in order to lengthen or shorten:
1. Insert one link lengthwise into a vise (FIG 6). Be sure that the side opposite the weld lies completely below surface of vise jaw (about 1/3 of a link). This prevents nicking or cutting the lower part of the link.

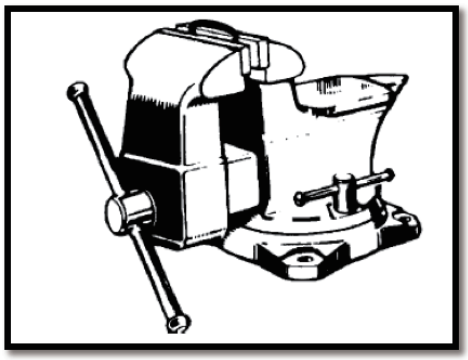


FIG 6

2. Using a hack saw, cut through upper part of link at the weld.
3. Loosen the link, reposition link vertically at edge of vise with the level of the cut above the vise jaw (FIG 7).

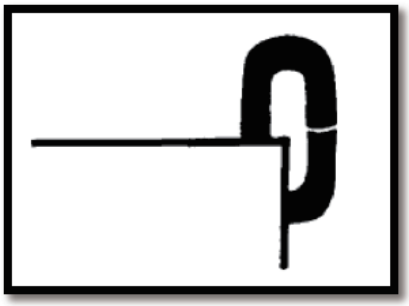


FIG 7

4. Tighten vise jaw.
5. Using an adjustable wrench, twist the link horizontally from front to back (FIG 8). Open just far enough to insert (or remove) a second chain link.

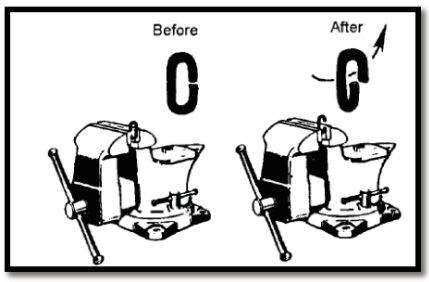


FIG 8

NOTE: Chain length is now ready to lengthen or shorten.
6. Insert (or remove) the second end link at the opening in the first end link.
7. Using an adjustable wrench, twist the link horizontally until the link is in the original closed position. See FIG 9.

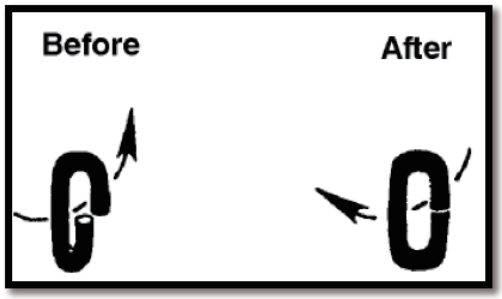


FIG 9

⚠CAUTION : Do not push the link inward from the curved ends. This will distort the link. Check that the link is closed and free of twist.

8. If installing entire new chain, insert end of hand chain into groove at top of hand chain wheel (see FIG 10). Rotate hand-wheel and pull chain through.
9. Re-weld the link at the cut.
10. Grind off excess on weld so that it is smooth.

⚠WARNING : Do not operate the hoist with a twisted, kinked or damaged load chain. Do not splice the load chain. Check the chain for excessive wear or stretch. Failure to comply may cause serious injury.

LOAD CHAIN INSPECTION

Over time, the load chain will wear or elongate. This can cause damage to the hoist, breakage, or non-engagement of the load sheave.

⚠WARNING : Do not operate the hoist with a twisted, kinked or damaged load chain. Do not splice load chain. Check the chain for excessive wear or stretch. Failure to comply may cause serious injury.

To inspect the load chain for wear:
1. Test the hoist under load in both the lifting and lowering directions, observing the operation of chain and sprockets. Chain should feed smoothly into and away from the sprockets.
2. If the chain binds, jumps, or is noisy, make sure it is clean and properly lubricated. If the trouble persists, inspect the chain and mating parts for wear, distortion, or other damage.
3. Clean the chain before inspection. Examine for gouges, nicks, weld splatter, corrosion, and distorted links. Slacken the chain and move adjacent links to one side, looking for wear at the contact points. If you see wear or suspect stretching, measure the chain as explained in FIG 15. If chain matches or exceeds the limit shown in the table, replace the load chain before using the hoist.
   - Select an unworn, unstretched length of chain (i.e. at the slack end).
   - Suspend the chain vertically under tension and, using a caliper type gauge, measure the outside length of several links about 12 to 24 inches.
   - Measure the same number of links in used sections and calculate the percentage of the increase in length.
4. If the length of used chain exceeds 2-1/2 percent of the unused chain, replace the chain. (See “Load Limits” on FIG 15 for specific link measurements.)

⚠WARNING : Do not add to the load chain. Replace entire chain. Failure to comply may cause serious injury.

LOAD CHAIN REMOVAL

Remove the old load chain as follows while referring to FIG 11
1. Remove the cotter pin (A) and the chain anchor pin (C) on the chain anchor (D), allowing the end of the chain to fall free.
2. Pull the hand chain (FIG 5) until load chain is completely removed from gear assembly.

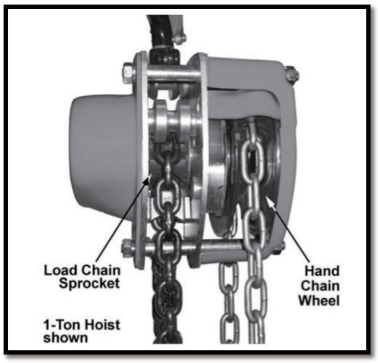


FIG 10

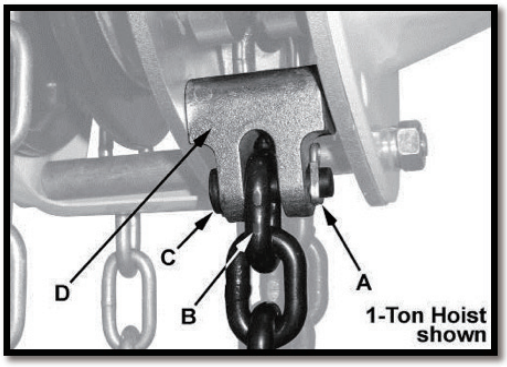


FIG 11

ATTACHING LOAD CHAIN TO LOAD CHAIN SPROCKET (ALL MODELS)

Install new load chain onto load chain sprocket as follows, referring to FIG 10:
1. Position the load chain sprocket (E) by rotating hand chain wheel (F) so that the wide and narrow grooves show.
2. Insert the load chain into the sprocket grooves so that chain will wind up and back over the sprocket. Welds must face away from the sprocket.
3. Rotate hand chain wheel so that load chain falls six to eight inches at back of sprocket.

Referring to FIG 11:
4. Insert one end of chain link (B) into chain anchor (D).
5. Insert the chain anchor pin (C) through the chain anchor (D) and chain link (B) and secure with the cotter pin (A). Continue to Chain Installation that applies to your hoist.

Continue with Load Chain and Bottom Hook Installation on the following page, proceeding to the section that applies to your hoist: 1/4 to 2-Ton hoists, 3 to 5-Ton hoists, or 10 to 20-Ton Hoists.

COMPLETING LOAD CHAIN INSTALLATION

The following procedure assumes that the load chain has been attached to the chain anchor and fed through the load chain sprocket as described in the previous section. This procedure will complete the load chain and bottom hook installation.

CHAIN INSTALLATION: 1/4T THRU 2T

Refer to FIG 12

1. Remove lock nut and bolt (D) from lower hook.
2. Insert the last chain link (C) into lower hook slot.
3. Re-insert bolt through lower hook slot and chain link.
4. Install lock nut onto bolt and tighten.

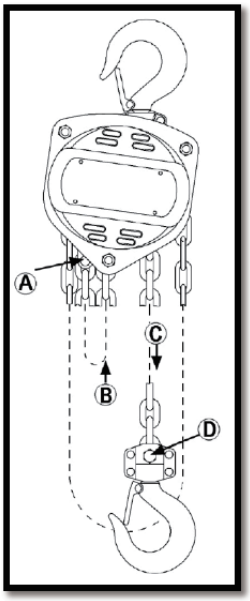


FIG 12

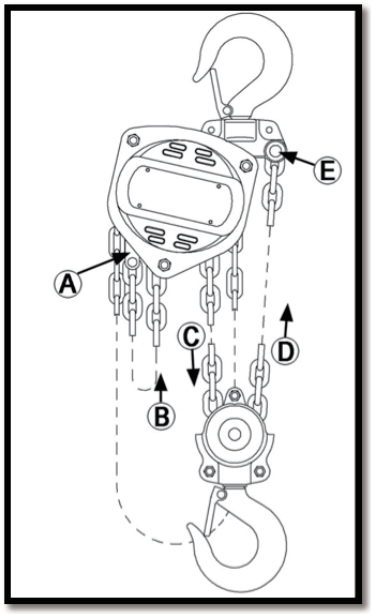


FIG 13

CHAIN INSTALLATION: 3T AND 5T

Refer to FIG 13

1. After installing the load chain into load chain sprocket (B), run the remaining chain through your hand to remove any twist. The last link of the chain must be in the same direction as the first. If not, cut off the last link.
2. Insert the last link into pulley of lower hook (C).
3. Pull load chain through and up from underside of pulley (C, D).
4. Remove lock nut and chain anchor pin in upper hook slot (E).
5. Insert the last link into upper hook slot.
6. Check that load chain is not twisted.
7. Reinstall chain anchor pin through upper hook slot and last chain link, and secure with the lock nut.

CHAIN INSTALLATION: 10T- 20T

Refer to FIG 14

1. After installing load chain into load chain sprocket (B), run the remaining chain through your hand to remove any twist. The last link of the chain must be in the same direction as the first. If not, cut off the last link.
2. Insert the last link into the left pulley of the lower hook (C).
3. Pull the load chain through and up from underside of the pulley (C, D).
4. Insert the last link into the right-hand pulley of the upper hook, moving the chain up, then around and down (D, E). Check that the load chain is not twisted, and welds face away from the pulley. To prevent the chain from free-wheeling, insert a screwdriver securely into a link at the base of the upper pulley (left side).
5. Insert the last link into the right-side pulley of the lower hook, pulling around, then up from the underside of the pulley (E, F). Check that the load chain is not twisted, and welds face away from the pulley.
6. Remove the cotter pin and chain anchor pin in the upper hook slot (G). Remove the lock nut and chain anchor pin in upper hook slot (G).
7. Insert the last link into the upper hook slot.
8. Check that load chain is not twisted.

Re-position the chain anchor pin back through the upper hook slot and the last chain link and secure with the cotter pin.

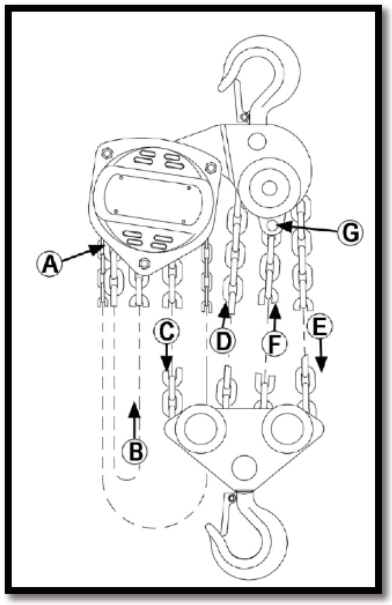


FIG 14

Read and follow ANSI Inspection and Maintenance Instructions. Know the meaning of Frequent Inspection, Periodic Inspection, Normal Service, Heavy Service, and Severe Service.
It is the customer's responsibility to understand and follow all ANSI and Sumner inspection and maintenance instructions.

⚠WARNING - All repairs and adjustments are to be performed by trained and experienced personnel using procedures that are approved for the hoist system being serviced.

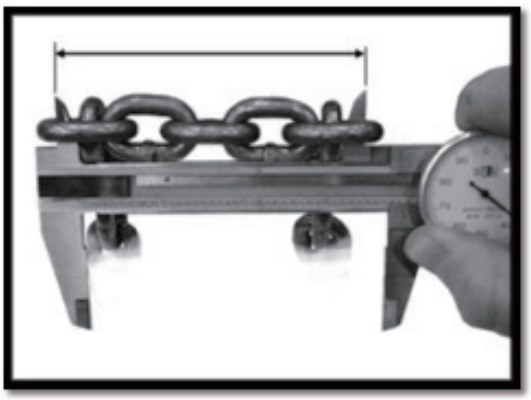
⚠WARNING - All safety related deficiencies discovered in the inspection are to be corrected before the hoist is placed back into service.

⚠WARNING - Check for internal damage whenever external damage has occurred. Failure to comply may cause serious injury.

1. Clean hoist after each use and oil lightly.
2. Do not drop or drag the hoist.
3. Store the hoist in a clean and dry environment.
4. Chain oiling is not mandatory but will increase the life of the chain.
5. Leave all repairs and adjustments of internal parts to qualified repair personnel.
6. Inspect the load chain and the lower hook after lifting a maximum weight load.
7. This hoist uses special alloy hoisting chain and does not interchange with any other manufacturer. All replacement chain must be purchased from your Sumner distributor or from Sumner directly by calling 1−281-999-6900.
8. Check and inspect the brake system frequently.
9. Annually, the hoist should be disassembled, inspected, and cleaned by trained and experienced personnel only. Contact a Sumner authorized service center by calling your dealer or visiting our web site at **www.sumner.com.**
10. After servicing, test the hoist with no load, then test the hoist with a load.

ALLOY STEEL CHAIN:

Carefully inspect entire load chain. As illustrated in FIG15 and table below, measure five consecutive links with calipers to measure the length. Check every three feet and especially where excessive wear is indicated. Any load chain that shows noticeable deformation or heat influence must be replaced with a new one. Never extend load chain by welding a second piece to the original.

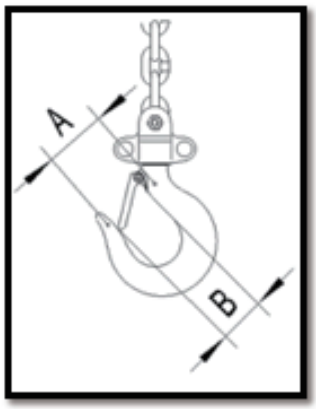


Capacity	5 Links Normal (in)	5 Links Limit (in)
1 ton	3.74”	3.85"
1.5 ton	4.13”	4.25"
2 ton	4.72”	4.86"
3 ton	4.13”	4.25"
5 ton	5.31”	5.47"
10 ton	5.31”	5.47"
15 ton	5.31”	5.47"
20 ton	5.31”	5.47"

FIG 15

HOOK WEAR LIMITS (TOP and BOTTOM)

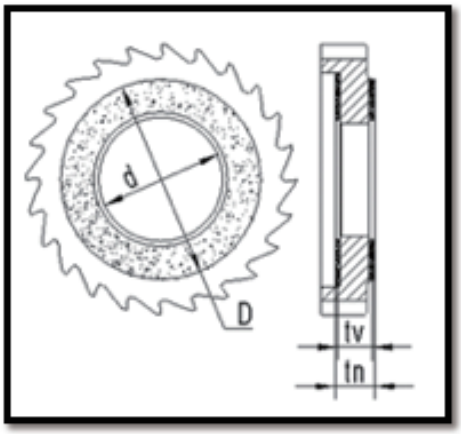
Replace hook when “A” measurement is equal to or greater than the “A” Limit in FIG 16 and the table below. Never heat treat the hook or attach anything to the hook by welding.



Capacity	“A” Norm	“A” Limit	“B” Norm	“B” Limit
1 ton	1.77"	1.95"	--	--
1.5 ton	1.86"	20.5"	--	--
2 ton	2.05"	2.26"	--	--
3 ton	2.45"	2.70"	--	--
5 ton	3.06"	3.37"	--	--
10 ton	3.54"	3.89"	2.51"	2.77"
15 ton	--	--	3.14"	3.34"
20 ton	--	--	3.22”	3.42”

BRAKE DISK

Refer to FIG 17 and chart below for Replacement limits of the disk brake.



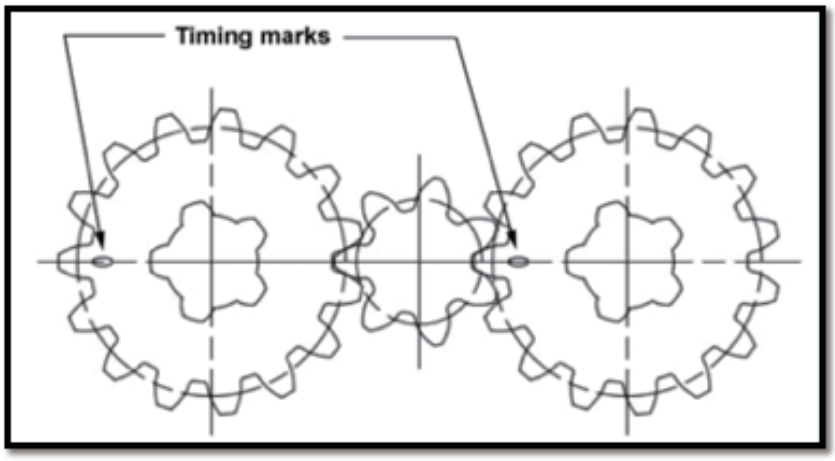
Capacity	D (in)	d (in)	tn (in)	tv (in)
1 ton	1.93”	1.26”	0.47”	0.43”
1.5 ton	1.93”	1.26”	0.47”	0.43”
2 ton	2.40”	1.42”	0.47”	0.43”
3 ton	1.93”	1.26”	0.47”	0.43”
5 ton	2.40”	1.42”	0.47”	0.43”
10 ton	2.40”	1.42”	0.47”	0.43”
15 ton	2.40”	1.42”	0.47”	0.43”
20 ton	2.40”	1.42”	0.47”	0.43”

d = inner diameter
D = outer diameter
tn = normal measurement
tv = replacement limit

FIG 17

TIMING MARKS FOR GEAR REPLACEMENT

If the gears on the Chain Block Hoist need replacement or removal for any reason, make sure they are re-installed correctly. (FIG 18) shows the proper orientation of the timing marks when meshing the gears.

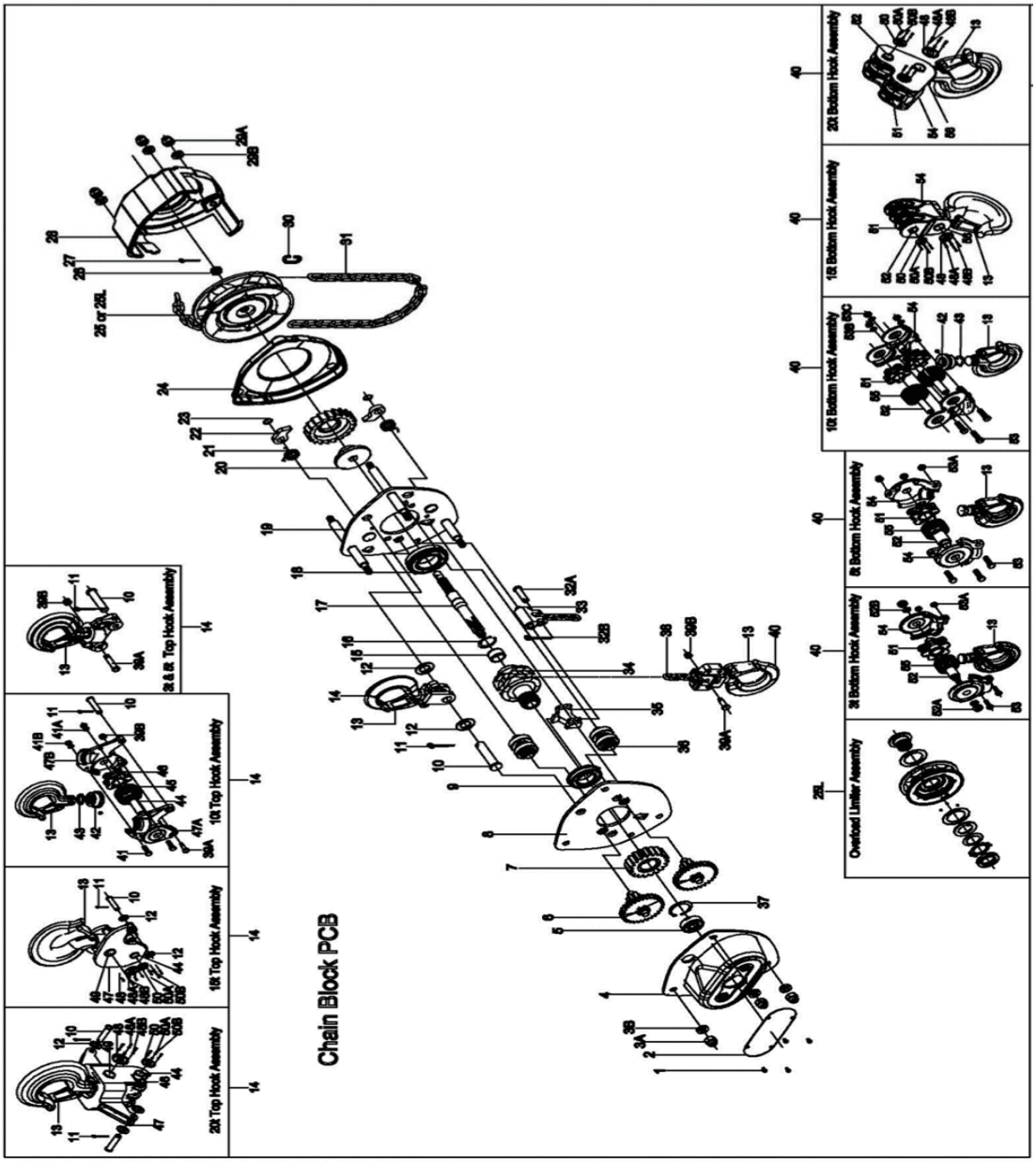


REPLACEMENT PARTS

Replacement parts are listed on the following pages. To order parts or reach our service department, call 1-281-999-6900 Monday through Friday (see our website for business hours, www.sumner.com). Having the Model Number and Serial Number of your hoist available when you call will allow us to serve you quickly and accurately.

Non-proprietary parts, such as fasteners, can be found at local hardware stores. McMaster- Carr reference numbers are provided for hardware specifications. Some parts are shown for reference only and may not be available individually.

PCB025 THROUGH PCB2K - EXPLODED VIEW



PARTS LIST

PCB025	Quantity	Stock #	Reference	MODEL	DESCRIPTION	UPC
1	4	788687	McMaster 97358A008	K025-1	Rivet = Low-Profile Flat Head Solid Rivets 0.088" Diameter, for 0.112" Maximum Material Thk.	661165886870
	0					
2	1	788688		K025-2	Name Plate	661165886887
	0					
3A	3	788689	McMaster 99164A101	K025-3A	Acorn Nut	661165886894
	0					
3B	3	788419	McMaster 93279A100	K025-3B	Lock Washer	661165884197
	0					
4	1	788690		K025-4	Gear Cover Assembly	661165886900
	0					
5	1	788691		Ø6xØ15x5	Seal Type Caged Ball Bearing	661165886917
	0					
6	2	788692		K025-6	Spur Gear Assembly	661165886924
	0					
7	1	788693		K025-7	Load Gear	661165886931
	0					
8	1	788694		K025-8	Gear Side Plate Assembly	661165886948
	0					
9	1	788695		Ø20xØ37x9	Seal Type Caged Ball Bearing	661165886955
	0					
10	1	788696		K025-10	Top Hook Shaft	661165886962
	0					
11	1	788680	McMaster 98350A160	K050-11	Split Pin = Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 20mm Long	661165886801
	0					
12	2	788697	McMaster 93413A160	Ø8.5XØ16X3	Washer = Black Ultra-Corrosion-Resistant Coated Steel Washer for M8 Screw Size, 8.4 mm ID, 16 mm OD	661165886979
	0					
13	2	788698		K025-13	Casting Safety Latch Assembly	661165886986
14	1	788699		K025-14	Top Hook Assembly	661165886993
15	1	788700		HK1208(Ø16)	Needle Bearing	661165887006
	0					
16	1	788701	McMaster 98541A122	K025-16	Snap Ring	661165887013
	0					
17	1	788702		K025-17	Drive Shaft	661165887020
	0					
18	1	788703		Ø25xØ42x9	Seal Type Caged Ball Bearing	661165887037
	0					
19	1	788704		K025-19	Wheel Side Plate Assembly	661165887044
	0					
20	1	788705		K025-20	Disc Hub	661165887051
	0					
21	2	788706		K025-21	Pawl Spring	661165887068
	0					
22	2	788707		K025-22	Pawl	661165887075
	0					
23	2	788708	McMaster 98541A113	K025-23	Snap Ring = External Retaining Ring for 5 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165887082
	0					
24	1	788709		K025-24	Dust Cover	661165887099
	0					
25	1	788710		K025-25	Hand Chain Wheel	661165887105
	0					
25L	0				Overload Limiter Assembly	
	0					
26	1	788349	McMaster 93760A222	K300-26	Pinion Nut - Castle Nut Steel Locknut for Use with Cotter Pins, Medium-Strength, Class 8, M8 x 1.25 mm	661165883497
	0					
27	1	788711	McMaster 98350A260	K500-27	Split Pin = Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0					
28	1	788712		K025-28	Hand Wheel Cover Assembly	661165887129
	0					
29A	3	788689	McMaster 99164A101	K025-3A	Acorn Nut	661165886894
	0					
29B	3	788419	McMaster 93279A100	K025-3B	Lock Washer	661165884197
	0					
30	1	788713		Ø3X15	Connecting Link	661165887136
	0					
31	As Req'd Per Foot	788713		Ø3X15	Hand Chain	661165887136
32A	1	788714		K025-32A	Anchor Pin	661165887143
	0					
32B	1	788715	McMaster 98350A150	K050-32B	Split Pin = Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 12mm Long	661165887150
	0					
33	1	788716		K025-33	Anchor Plate	661165887167
	0					
34	1	788717		K025-34	Load Sheave	661165887174
	0					
35	1	788718		K025-35	Stripper	661165887181
	0					
36	2	788719		K025-36	Guide Roller	661165887198
	0					
37	1	788665	McMaster 98541A122	K025-37	Snap Ring = External Retaining Ring for 18 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165886658
	0					
38	As Req'd Per Foot	788720		Ø4x12	Load Chain	661165887204
39A	1	788721		K025-39A	Load Pin	661165887211
39B	1	788722	McMaster 90576A104	M5	Lock Nut	661165887228
40	1	788723		K025-40	Bottom Hook Assembly	661165887235

PCB050	Quantity	Stock #	Reference	MODEL	DESCRIPTION	UPC
1	4	788687	McMaster 97358A008	K025-1	Rivet = Low-Profile Flat Head Solid Rivets 0.088" Diameter, for 0.112" Maximum Material Thk.	661165886870
	0					
2	1	788724		K050-2	Name Plate	661165887242
	0					
3A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut	661165884142
	0					
3B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
4	1	788725		K050-4	Gear Cover Assembly	661165887259
	0					
5	1	788726		Ø10xØ22x6	Seal Type Caged Ball Bearing	661165887266
	0					
6	2	788727		K050-6	Spur Gear Assembly	661165887273
	0					
7	1	788728		K050-7	Load Gear	661165887280
	0					
8	1	788729		K050-8	Gear Side Plate Assembly	661165887297
	0					
9	1	788730		Ø25xØ42x9	Seal Type Caged Ball Bearing	661165887303
	0					
10	1	788731		K050-10	Top Hook Shaft	661165887310
	0					
11	1	788680	McMaster 98350A160	K050-11	Split Pin = Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 20mm Long	661165886801
	0					
12	2		McMaster 93413A180		Washer = Black Ultra-Corrosion-Resistant Coated Steel Washer for M12 Screw Size, 13 mm ID, 24 mm OD	
	0					
13	2	788732		K050-13	Casting Safety Latch Assembly	661165887327
14	1	788733		K050-14	Top Hook Assembly	661165887334
15	1	788734		HK1412(Ø21)	Needle Bearing	661165887341
	0					
16	1	788735	McMaster 98541A463	K300-16	C-Clip	661165887358
	0					
17	1	788736		K050-17	Drive Shaft	661165887365
	0					
18	1	788737		Ø30xØ47x9	Seal Type Caged Ball Bearing	661165887372
	0					
19	1	788738		K050-19	Wheel Side Plate Assembly	661165887389
	0					
20	1	788739		K050-20	Disc Hub	661165887396
	0					
21	2	788740		K050-21	Pawl Spring	661165887402
	0					
22	2	788741		K050-22	Pawl	661165887419
	0					
23	2	788742	McMaster 98541A115	K050-23	Snap Ring = External Retaining Ring for 7 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165887426
	0					
24	1	788743		K050-24	Dust Cover	661165887433
	0					
25	1	788744		K050-25	Hand Chain Wheel	661165887440
	0					
25L	0				Overload Limiter Assembly	
	0					
26	1	788349	McMaster 93760A222	K300-26	Pinion Nut - Castle Nut Steel Locknut for Use with Cotter Pins, Medium-Strength, Class 8, M8 x 1.25 mm	661165883497
	0					
27	1	788711	McMaster 98350A260	K500-27	Split Pin = Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0					
28	1	788745		K050-28	Hand Wheel Cover Assembly	661165887457
	0					
29A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut	661165884142
	0					
29B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
30	1	788746		Ø5x25	Connecting Link	661165887464
	0					
31	As Req'd Per Foot	788746		Ø5x25	Hand Chain	661165887464
32A	1	788747		K050-32A	Anchor Pin	661165887471
	0					
32B	1	788715	McMaster 98350A150	K050-32B	Split Pin = Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 12mm Long	661165887150
	0					
33	1	788748		K050-33	Anchor Plate	661165887488
	0					
34	1	788749		K050-34	Load Sheave	661165887495
	0					
35	1	788750		K050-35	Stripper	661165887501
	0					
36	2	788751		K050-36	Guide Roller	661165887518
	0					
37	1	788752	McMaster 98541A463	K100-37	Snap Ring = External Retaining Ring for 22 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165887525
	0					
38	As Req'd Per Foot	788684		Ø5x15	Load Chain	661165886849
39A	1	788753		K050-39A	Load Pin	661165887532
39B	1	788754	McMaster 90576A115	M6	Lock Nut	661165887549
40	1	788755		K050-40	Bottom Hook Assembly	661165887556

PCB100	Quantity	Stock #	Reference	MODEL	DESCRIPTION	UPC
1	4	788310	McMaster 97358A101	K500-1	Rivet = Low-Profile Flat Head Solid Rivets, 0.119" Diameter, for 0.16" Maximum Material Thickness	661165883107
	0					
2	1	788756		K100-2	Name Plate	661165887563
	0					
3A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut = High-Strength Steel Cap Nut, Class 10, Zinc-Plated, M8 x 1.25 mm Thread	661165884142
	0					
3B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
4	1	788757		K100-4	Gear Cover Assembly	661165887570
	0					
5	1	788758		Ø10xØ30x9	Seal Type Caged Ball Bearing	661165887587
	0					
6	2	788759		K100-6	Spur Gear Assembly	661165887594
	0					
7	1	788760		K100-7	Load Gear	661165887600
	0					
8	1	788761		K100-8	Gear Side Plate Assembly	661165887617
	0					
9	1	788762		Ø25xØ47x12	Seal Type Caged Ball Bearing	661165887624
	0					
10	1	788763		K100-10	Top Hook Shaft	661165887631
	0					
11	1	788764	McMaster 98350A210	K300-11	Split Pin - Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 20mm Long	661165887648
	0					
12	2		McMaster 93413A180		Washer = Black Ultra-Corrosion-Resistant Coated Steel Washer for M12 Screw Size, 13 mm ID, 24 mm OD	
	0					
13	2	788765		K100-13	Casting Safety Latch Assembly	661165887655
14	1	788766		K100-14	Top Hook Assembly	661165887662
15	1	788767		HK1512(Ø21)	Needle Bearing	661165887679
	0					
16	1	788735	McMaster 98541A463	K300-16	C-Clip	661165887358
	0					
17	1	788768		K100-17	Drive Shaft	661165887686
	0					
18	1	788769		Ø30xØ55x13	Seal Type Caged Ball Bearing	661165887693
	0					
19	1	788770		K100-19	Wheel Side Plate Assembly	661165887709
	0					
20	1	788771		K100-20	Disc Hub	661165887716
	0					
21	2	788772		K300-21	Pawl Spring	661165887723
	0					
22	2	788773		K500-22	Pawl	661165887730
	0					
23	2	788774	McMaster 98541A118	K500-23	Snap Ring =External Retaining Ring for 10 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165887747
	0					
24	1	788775		K100-24	Dust Cover	661165887754
	0					
25	1	788776		K100-25	Hand Chain Wheel	661165887761
	0					
25L	0				Overload Limiter Assembly	
	0					
26	1	788349	McMaster 93760A222	K300-26	Pinion Nut - Castle Nut Steel Locknut for Use with Cotter Pins, Medium-Strength, Class 8, M8 x 1.25 mm	661165883497
	0					
27	1	788711	McMaster 98350A260	K500-27	Split Pin = Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0					
28	1	788777		K100-28	Hand Wheel Cover Assembly	661165887778
	0					
29A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut	661165884142
	0					
29B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
30	1	788746		ØSX25	Connecting Link	661165887464
	0					
31	As Req'd Per Foot	788746		ØSX25	Hand Chain	661165887464
32A	1	788778		K100-32A	Anchor Pin	661165887785
	0					
32B	1	788715	McMaster 98350A150	K050-32B	Split Pin = Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 12mm Long	661165887150
	0					
33	1	788779		K100-33	Anchor Plate	661165887792
	0					
34	1	788780		K100-34	Load Sheave	661165887808
	0					
35	1	788781		K100-35	Stripper	661165887815
	0					
36	2	788782		K100-36	Guide Roller	661165887822
	0					
37	1	788583	McMaster 98541A130	K300-37	Snap Ring = External Retaining Ring for 28 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165885835
	0					
38	As Req'd Per Foot	788783		Ø6.3x19	Load Chain	661165887839
39A	1	788784		K100-39A	Load Pin	661165887846
39B	1	788754	McMaster 90576A115	M6	Lock Nut	661165887549
40	1	788785		K100-40	Bottom Hook Assembly	661165887853

PCB150	Quantity	Stock #	Reference	MODEL	DESCRIPTION	UPC
1	4	788310	McMaster 97358A101	K500-1	Rivet = Low-Profile Flat Head Solid Rivets, 0.119" Diameter, for 0.16" Maximum Material Thickness	661165883107
	0					
2	1	788786		K150-2	Name Plate	661165887860
	0					
3A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut = High-Strength Steel Cap Nut, Class 10, Zinc-Plated, M8 x 1.25 mm Thread	661165884142
	0					
3B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
4	1	788787		K300-4	Gear Cover Assembly	661165887877
	0					
5	1	788758		Ø10xØ30x9	Seal Type Caged Ball Bearing	661165887587
	0					
6	2	788788		K300-6	Spur Gear Assembly	661165887884
	0					
7	1	788789		K300-7	Load Gear	661165887891
	0					
8	1	788790		K300-8	Gear Side Plate Assembly	661165887907
	0					
9	1	788791		Ø30xØ55x13	Seal Type Caged Ball Bearing	661165887914
	0					
10	1	788792		K150-10	Top Hook Shaft	661165887921
	0					
11	1	788764	McMaster 98350A210	K300-11	Split Pin - Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 20mm Long	661165887648
	0					
12	2	788793	McMaster 91455A170	Ø16.5XØ25X4	Washer = Class 10.9 Steel Washer, Zinc-Plated, M16 Screw Size, 17 mm ID, 30 mm OD	661165887938
	0					
13	2	788794		K150-13	Casting Safety Latch Assembly	661165887945
14	1	788795		K150-14	Top Hook Assembly	661165887952
15	1	788767		HK1512(Ø21)	Needle Bearing	661165887679
	0					
16	1	788735	McMaster 98541A463	K300-16	C-Clip	661165887358
	0					
17	1	788796		K300-17	Drive Shaft	661165887969
	0					
18	1	788769		Ø30xØ55x13	Seal Type Caged Ball Bearing	661165887693
	0					
19	1	788797		K300-19	Wheel Side Plate Assembly	661165887976
	0					
20	1	788771		K100-20	Disc Hub	661165887716
	0					
21	2	788772		K300-21	Pawl Spring	661165887723
	0					
22	2	788773		K500-22	Pawl	661165887730
	0					
23	2	788774	McMaster 98541A118	K500-23	Snap Ring =External Retaining Ring for 10 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165887747
	0					
24	1	788798		K300-24	Dust Cover	661165887983
	0					
25	1	788799		K300-25	Hand Chain Wheel	661165887990
	0					
25L	0				Overload Limiter Assembly	
	0					
26	1	788349	McMaster 93760A222	K300-26	Pinion Nut - Castle Nut Steel Locknut for Use with Cotter Pins, Medium-Strength, Class 8, M8 x 1.25 mm Thread	661165883497
	0					
27	1	788711	McMaster 98350A260	K500-27	Split Pin = Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0					
28	1	788800		K300-28	Hand Wheel Cover Assembly	661165888003
	0					
29A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut	661165884142
	0					
29B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
30	1	788746		Ø5X25	Connecting Link	661165887464
	0					
31	As Req'd Per Foot	788746		Ø5X25	Hand Chain	661165887464
32A	1	788801		K300-32A	Anchor Pin	661165888010
	0					
32B	1	788425	McMaster 98350A316	K300-32B	Split Pin = Cotter Pin, 18-8 Stainless Steel, 2mm Diameter, 16mm Long	661165884258
	0					
33	1	788802		K300-33	Anchor Plate	661165888027
	0					
34	1	788803		K300-34	Load Sheave	661165888034
	0					
35	1	788804		K300-35	Stripper	661165888041
	0					
36	2	788805		K300-36	Guide Roller	661165888058
	0					
37	1	788583	McMaster 98541A130	K300-37	Snap Ring = External Retaining Ring for 28 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165885835
	0					
38	As Req'd Per Foot	788806		Ø7.1x21	Load Chain	661165888065
39A	1	788807		K200-39A	Load Pin	661165888072
39B	1	788808	McMaster 90576A117	M8	Lock Nut	661165888089
40	1	788809		K150-40	Bottom Hook Assembly	661165888096

PCB200	Quantity	Stock #	Reference	MODEL	DESCRIPTION	UPC
1	4	788310	McMaster 97358A101	K500-1	Rivet = Low-Profile Flat Head Solid Rivets, 0.119" Diameter, for 0.16" Maximum Material Thickness	661165883107
	0					
2	1	788810		K200-2	Name Plate	661165888102
	0					
3A	3	788811	McMaster 99164A103	K200-3A	Acorn Nut	661165888119
	0					
3B	3	788812	McMaster 91202A242	K200-3B	Lock Washer = Zinc-Plated Steel Split Lock Washer for M10 Screw Size, 10.7 mm ID, 18.1 mm OD	661165888126
	0					
4	1	788813		K200-4	Gear Cover Assembly	661165888133
	0					
5	1	788814		Ø12xØ32x10	Seal Type Caged Ball Bearing	661165888140
	0					
6	2	788815		K200-6	Spur Gear Assembly	661165888157
	0					
7	1	788816		K200-7	Load Gear	661165888164
	0					
8	1	788817		K200-8	Gear Side Plate Assembly	661165888171
	0					
9	1	788818		Ø30xØ55x14	Seal Type Caged Ball Bearing	661165888188
	0					
10	1	788819		K200-10	Top Hook Shaft	661165888195
	0					
11	1	788764	McMaster 98350A210	K300-11	Split Pin - Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 20mm Long	661165887648
	0					
12	2	788793	McMaster 91455A170	Ø16.5XØ25X4	Washer = Class 10.9 Steel Washer, Zinc-Plated, M16 Screw Size, 17 mm ID, 30 mm OD	661165887938
	0					
13	2	788820		K200-13	Casting Safety Latch Assembly	661165888201
14	1	788821		K200-14	Top Hook Assembly	661165888218
15	1	788822		HK1715(Ø24)	Needle Bearing	661165888225
	0					
16	1	788823	McMaster 98541A130	K200-16	C-Clip	661165888232
	0					
17	1	788824		K200-17	Drive Shaft	661165888249
	0					
18	1	788825		Ø35xØ62x14	Seal Type Caged Ball Bearing	661165888256
	0					
19	1	788826		K200-19	Wheel Side Plate Assembly	661165888263
	0					
20	1	788827		K200-20	Disc Hub	661165888270
	0					
21	2	788772		K300-21	Pawl Spring	661165887723
	0					
22	2	788773		K500-22	Pawl	661165887730
	0					
23	2	788774	McMaster 98541A118	K500-23	Snap Ring =External Retaining Ring for 10 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165887747
	0					
24	1	788828		K200-24	Dust Cover	661165888287
	0					
25	1	788829		K200-25	Hand Chain Wheel	661165888294
	0					
25L	0				Overload Limiter Assembly	
	0					
26	1	788650	McMaster 93760A233	K500-26	Pinion Nut = Steel Locknut for Use with Cotter Pins, Medium-Strength, Class 8, M10 x 1.5 mm Thread	661165886504
	0					
27	1	788711	McMaster 98350A260	K500-27	Split Pin = Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0					
28	1	788830		K200-28	Hand Wheel Cover Assembly	661165888300
	0					
29A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut	661165884142
	0					
29B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
30	1	788746		Ø5X25	Connecting Link	661165887464
	0					
31	As Req'd Per Foot	788746		Ø5X25	Hand Chain	661165887464
32A	1	788831		K200-32A	Anchor Pin	661165888317
	0					
32B	1	788425	McMaster 98350A316	K300-32B	Split Pin = Cotter Pin, 18-8 Stainless Steel, 2mm Diameter, 16mm Long	661165884258
	0					
33	1	788832		K200-33	Anchor Plate	661165888324
	0					
34	1	788833		K200-34	Load Sheave	661165888331
	0					
35	1	788834		K200-35	Stripper	661165888348
	0					
36	2	788835		K200-36	Guide Roller	661165888355
	0					
37	1	788533	McMaster 98541A139	K500-37	Snap Ring = External Retaining Ring for 32 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165885330
	0					
38	As Req'd Per Foot	788604		Ø8x24	Load Chain	661165886047
39A	1	788807		K200-39A	Load Pin	661165888072
39B	1	788808	McMaster 90576A117	M8	Lock Nut	661165888089
40	1	788836		K200-40	Bottom Hook Assembly	661165888362

PCB300	Quantity	Stock #	Reference	MODEL	DESCRIPTION	UPC
1	4	788310	McMaster 97358A101	K500-1	Rivet = Low-Profile Flat Head Solid Rivets, 0.119" Diameter, for 0.16" Maximum Material Thickness	661165883107
	0					
2	1	788837		K300-2	Name Plate	661165888379
	0					
3A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut = High-Strength Steel Cap Nut, Class 10, Zinc-Plated, M8 x 1.25 mm Thread	661165884142
	0					
3B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
4	1	788787		K300-4	Gear Cover Assembly	661165887877
	0					
5	1	788814		Ø12xØ32x10	Seal Type Caged Ball Bearing	661165888140
	0					
6	2	788788		K300-6	Spur Gear Assembly	661165887884
	0					
7	1	788789		K300-7	Load Gear	661165887891
	0					
8	1	788790		K300-8	Gear Side Plate Assembly	661165887907
	0					
9	1	788838		Ø30xØ55x13	Seal Type Caged Ball Bearing	661165888386
	0					
10	1	788839		K300-10	Top Hook Shaft	661165888393
	0					
11	1	788764	McMaster 98350A210	K300-11	Split Pin - Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 20mm Long	661165887648
	0					
12	2	788793	McMaster 91455A170	Ø16.5XØ25X4	Washer = Class 10.9 Steel Washer, Zinc-Plated, M16 Screw Size, 17 mm ID, 30 mm OD	661165887938
	0					
13	2	788840		K300-13	Casting Safety Latch Assembly	661165888409
14	1	788841		K300-14	Top Hook Assembly	661165888416
15	1	788767		HK1512(Ø21)	Needle Bearing	661165887679
	0					
16	1	788735	McMaster 98541A463	K300-16	C-Clip	661165887358
	0					
17	1	788796		K300-17	Drive Shaft	661165887969
	0					
18	1	788842		Ø30xØ55x13	Seal Type Caged Ball Bearing	661165888423
	0					
19	1	788797		K300-19	Wheel Side Plate Assembly	661165887976
	0					
20	1	788771		K100-20	Disc Hub	661165887716
	0					
21	2	788772		K300-21	Pawl Spring	661165887723
	0					
22	2	788773		K500-22	Pawl	661165887730
	0					
23	2	788774	McMaster 98541A118	K500-23	Snap Ring =External Retaining Ring for 10 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165887747
	0					
24	1	788798		K300-24	Dust Cover	661165887983
	0					
25	1	788799		K300-25	Hand Chain Wheel	661165887990
	0					
25L	0				Overload Limiter Assembly	
	0					
26	1	788349	McMaster 93760A222	K300-26	Pinion Nut - Castle Nut Steel Locknut for Use with Cotter Pins, Medium-Strength, Class 8, M8 x 1.25 mm Thread	661165883497
	0					
27	1	788711	McMaster 98350A260	K500-27	Split Pin = Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0					
28	1	788800		K300-28	Hand Wheel Cover Assembly	661165888003
	0					
29A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut	661165884142
	0					
29B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
30	1	788746		Ø5X25	Connecting Link	661165887464
	0					
31	As Req'd Per Foot	788746		Ø5X25	Hand Chain	661165887464
32A	1	788801		K300-32A	Anchor Pin	661165888010
	0					
32B	1	788425	McMaster 98350A316	K300-32B	Split Pin = Cotter Pin, 18-8 Stainless Steel, 2mm Diameter, 16mm Long	661165884258
	0					
33	1	788802		K300-33	Anchor Plate	661165888027
	0					
34	1	788803		K300-34	Load Sheave	661165888034
	0					
35	1	788804		K300-35	Stripper	661165888041
	0					
36	2	788805		K300-36	Guide Roller	661165888058
	0					
37	1	788583	McMaster 98541A130	K300-37	Snap Ring = External Retaining Ring for 28 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165885835
	0					
38	As Req'd Per Foot	788806		Ø7.1x21	Load Chain	661165888065
39A	1	788843		K300-39A	Load Pin	661165888430
39B	1	788808	McMaster 90576A117	M8	Lock Nut	661165888089
40	1	788844		K300-40	Bottom Hook Assembly	661165888447
51	1	788845		K300-51	Bottom Idle Sheave	661165888454
	0					
	0					
52	1	788846		K300-52	Bottom Idle Shaft	661165888461
	0					
52A	2	788847	McMaster 90576A119	K300-52A	Lock Nut = Medium-Strength Steel Nylon-Insert Locknut, Class 8, Zinc-Plated, M12 x 1.75 mm Thread	661165888478
52B	2	788848	McMaster 91455A150	K300-52B	Washer = Class 10.9 Steel Washer, Zinc-Plated, M12 Screw Size, 13 mm ID, 24 mm OD	661165888485
53	2	788399	McMaster 91280A634	K500-53	Hex Head Cap Screw = Medium-Strength Class 8.8 Steel Hex Head Screw, Zinc-Plated, M10 x 1.5 mm Thread, 30 mm Long	661165883992
	0					
53A	2	788849	McMaster 90576A117	K300-53A	Lock Nut	661165888492
	0					
53B	0				Lock Washer	
53C	0				Hexagon Nut	
54	0				Bottom Hook Holder	
	2	788850		K300-54		661165888508
55	28	788851		Ø3X26	Roller Pin	661165888515
	0					
	0					
	0					
56	0				Bottom Hook Shaft	

PCB500	Quantity	Stock #	Reference	MODEL	DESCRIPTION	UPC
1	4	788310	McMaster 97358A101	K500-1	Rivet = Low-Profile Flat Head Solid Rivets, 0.119" Diameter, for 0.16" Maximum Material Thickness	661165883107
	0					
2	1	788852		K500-2	Name Plate	661165888522
	0					
3A	3	788853	McMaster 99164A104	K500-3A	Acorn Nut	661165888539
	0					
3B	3	788854	McMaster 93279A400	K500-3B	Lock Washer	661165888546
	0					
4	1	788855		K500-4	Gear Cover Assembly	661165888553
	0					
5	1	788814		Ø12xØ32x10	Seal Type Caged Ball Bearing	661165888140
	0					
6	2	788856		K500-6	Spur Gear Assembly	661165888560
	0					
7	1	788857		K500-7	Load Gear	661165888577
	0					
8	1	788858		K500-8	Gear Side Plate Assembly	661165888584
	0					
9	1	788859		Ø35xØ62x14	Seal Type Caged Ball Bearing	661165888591
	0					
10	1	788860		K500-10	Top Hook Shaft	661165888607
	0					
11	1	788764	McMaster 98350A210	K300-11	Split Pin - Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 20mm Long	661165887648
	0					
12	2	788793	McMaster 91455A170	Ø16.5XØ25X4	Washer = Class 10.9 Steel Washer, Zinc-Plated, M16 Screw Size, 17 mm ID, 30 mm OD	661165887938
	0					
13	2	788861		K500-13	Casting Safety Latch Assembly	661165888614
14	1	788862		K500-14	Top Hook Assembly	661165888621
15	1	788822		HK1715(Ø24)	Needle Bearing	661165888225
	0					
16	1	788863	McMaster 98541A125	K500-16	C-Clip = External Retaining Ring for 24 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165888638
	0					
17	1	788864		K500-17	Drive Shaft	661165888645
	0					
18	1	788865		Ø35xØ62x14	Seal Type Caged Ball Bearing	661165888652
	0					
19	1	788866		K500-19	Wheel Side Plate Assembly	661165888669
	0					
20	1	788827		K200-20	Disc Hub	661165888270
	0					
21	2	788867		K500-21	Pawl Spring	661165888676
	0					
22	2	788773		K500-22	Pawl	661165887730
	0					
23	2	788774	McMaster 98541A118	K500-23	Snap Ring =External Retaining Ring for 10 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165887747
	0					
24	1	788868		K500-24	Dust Cover	661165888683
	0					
25	1	788869		K500-25	Hand Chain Wheel	661165888690
	0					
25L	0				Overload Limiter Assembly	
	0					
26	1	788650	McMaster 93760A233	K500-26	Pinion Nut	661165886504
	0					
27	1	788711	McMaster 98350A260	K500-27	Split Pin = Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0					
28	1	788870		K500-28	Hand Wheel Cover Assembly	661165888706
	0					
29A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut	661165884142
	0					
29B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
30	1	788746		Ø5X25	Connecting Link	661165887464
	0					
31	As Req'd Per Foot	788746		Ø5X25	Hand Chain	661165887464
32A	1	788871		K500-32A	Anchor Pin	661165888713
	0					
32B	1	788308	McMaster 98350A160	K500-32B	Split Pin = Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 20mm Long	661165883084
	0					
33	1	788872		K500-33	Anchor Plate	661165888720
	0					
34	1	788873		K500-34	Load Sheave	661165888737
	0					
35	1	788874		K500-35	Stripper	661165888744
	0					
36	2	788875		K500-36	Guide Roller	661165888751
	0					
37	1	788533	McMaster 98541A139	K500-37	Snap Ring = External Retaining Ring for 32 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165885330
	0					
38	As Req'd Per Foot	788806		Ø7.1x21	Load Chain	661165888065
39A	1	788876		K500-39A	Load Pin	661165888768
39B	1	788877	McMaster 90576A118	M10	Lock Nut	661165888775
40	1	788878		K500-40	Bottom Hook Assembly	661165888782
51	1	788879		K500-51	Bottom Idle Sheave	661165888799
	0					
	0					
52	1	788880		K500-52	Bottom Idle Shaft	661165888805
	0					
52A	0				Lock Nut	
52B	0				Washer	
53	0				Hex Head Cap Screw = Medium-Strength Class 8.8 Steel Hex Head Screw, Zinc-Plated, M10 x 1.5 mm Thread, 30 mm Long	
	3	788399	McMaster 91280A634	K500-53		661165883992
53A	0				Lock Nut	
	3	788505	McMaster 90576A118	K500-53A		661165885057
53B	0				Lock Washer	
53C	0				Hexagon Nut	
54	0				Bottom Hook Holder	
	2	788881		K500-54		661165888812
55	0				Roller Pin	
	34	788882		Ø3X30		661165888829
	0					
	0					
56	0				Bottom Hook Shaft	

PCB1K	Quantity	Item #	Reference	MODEL	DESCRIPTION	UPC
1	4	788310	McMaster 97358A101	K500-1	Rivet = Low-Profile Flat Head Solid Rivets, 0.119" Diameter, for 0.16" Maximum Material Thickness	661165883107
	0					
2	1	788883		K1000-2	Name Plate	661165888836
	0					
3A	3	788853	McMaster 99164A104	K500-3A	Acorn Nut	661165888539
	0					
3B	3	788854	McMaster 93279A400	K500-3B	Lock Washer	661165888546
	0					
4	1	788855		K500-4	Gear Cover Assembly	661165888553
	0					
5	1	788814		Ø12xØ32x10	Seal Type Caged Ball Bearing	661165888140
	0					
6	2	788856		K500-6	Spur Gear Assembly	661165888560
	0					
7	1	788857		K500-7	Load Gear	661165888577
	0					
8	1	788858		K500-8	Gear Side Plate Assembly	661165888584
	0					
9	1	788859		Ø35xØ62x14	Seal Type Caged Ball Bearing	661165888591
	0					
10	1	788860		K500-10	Top Hook Shaft	661165888607
	0					
11	1	788884	McMaster 98350A215	K500-11	Split Pin = Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 25mm Long	661165888843
	0					
12	2	788793	McMaster 91455A170	Ø16.5XØ25X4	Washer = Class 10.9 Steel Washer, Zinc-Plated, M16 Screw Size, 17 mm ID, 30 mm OD	661165887938
	0					
13	2	788885		K1000-13	Casting Safety Latch Assembly	661165888850
14	1	788886		K1000-14	Top Hook Assembly	661165888867
15	1	788822		HK1715(Ø24)	Needle Bearing	661165888225
	0					
16	1	788863	McMaster 98541A125	K500-16	C-Clip = External Retaining Ring for 24 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165888638
	0					
17	1	788864		K500-17	Drive Shaft	661165888645
	0					
18	1	788865		Ø35xØ62x14	Seal Type Caged Ball Bearing	661165888652
	0					
19	1	788866		K500-19	Wheel Side Plate Assembly	661165888669
	0					
20	1	788827		K200-20	Disc Hub	661165888270
	0					
21	2	788867		K500-21	Pawl Spring	661165888676
	0					
22	2	788773		K500-22	Pawl	661165887730
	0					
23	2	788774	McMaster 98541A118	K500-23	Snap Ring =External Retaining Ring for 10 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165887747
	0					
24	1	788868		K500-24	Dust Cover	661165888683
	0					
25	0	788869		K500-25	Hand Chain Wheel	
	0					
25L	0				Overload Limiter Assembly	
	0					
26	1	788650	McMaster 93760A233	K500-26	Pinion Nut	661165886504
	0					
27	1	788711	McMaster 98350A260	K500-27	Split Pin = Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0					
28	1	788870		K500-28	Hand Wheel Cover Assembly	661165888706
	0					
29A	3	788414	McMaster 99164A102	K300-3A	Acorn Nut	661165884142
	0					
29B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
	0					
30	1	788746		Ø5X25	Connecting Link	661165887464
	0					
31	As Req'd Per Foot	788746		Ø5X25	Hand Chain	661165887464
32A	1	788871		K500-32A	Anchor Pin	661165888713
	0					
32B	1	788308	McMaster 98350A160	K500-32B	Split Pin = Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 20mm Long	661165883084
	0					
33	1	788872		K500-33	Anchor Plate	661165888720
	0					
34	1	788873		K500-34	Load Sheave	661165888737
	0					
35	1	788874		K500-35	Stripper	661165888744
	0					
36	2	788875		K500-36	Guide Roller	661165888751
	0					
37	1	788533	McMaster 98541A139	K500-37	Snap Ring = External Retaining Ring for 32 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165885330
	0					
38	As Req'd Per Foot	788887		Ø9X27	Load Chain	661165888874
39A	1	788888		K1000-39A	Load Pin	661165888881
39B	1	788877	McMaster 90576A118	M10	Lock Nut	661165888775
40	1	788889		K1000-40	Bottom Hook Assembly	661165888898
41	3	788890	McMaster 96364A217	K1000-41B	Hex Head Screw = Medium-Strength Class 8.8 Steel Hex Head Screw, Black Ultra-Corrosion-Resistant Coated, M12 X1.75 Thread, 40mm	661165888904
41A	3	788854	McMaster 93279A400	K500-3B	Lock Washer = Blue-Dyed Steel Split Lock Washer for M12 Screw Size, 12.3 mm ID, 21.7 mm OD	661165888546
41B	3	788890	McMaster 90592A028	K1000-41B	Hexagon Nut	661165888904
42	0				Hook Collar Assembly	
43	26	788891		K1000-43	Steel Ball	661165888911
44	1	788892		K1000-44	Top Idle Shaft	661165888928
45	34	788611		3x30	Roller Pin	661165886115
	0					
46	1	788893		K1000-46	Top Idle Sheave	661165888935
	0					
47	0				Top Hook Holder	
47A	1	788894		K1000-47A	Left Top Hook Holder	661165888942
47B	1	788895		K1000-47B	Right Top Hook Holder	661165888959
48	0				Slotted baffle	
48A	0				Hexagon Socket Head Cap Screw	
48B	0				Lock Washer	
49	0				Hook Shaft	
50	0				Slotted baffle	
50A	0				Hexagon Socket Head Cap Screw	
50B	0				Lock Washer	
51	0					
	2	788896		K1000-51	Bottom Idle Sheave	661165888966
	0					
52	0				Bottom Idle Shaft	
	2	788897		K1000-52		661165888973
52A	0				Lock Nut	
52B	0				Washer	
53	0				Hex Head Screw	
	3	788898	McMaster 96364A217	K1000-53		661165888980
53A	0				Lock Nut	
	0					
53B	3	788854	McMaster 93279A400	K500-3B	Lock Washer = Blue-Dyed Steel Split Lock Washer for M12 Screw Size, 12.3 mm ID, 21.7 mm OD	661165888546
53C	3	788890	McMaster 90592A028	K1000-41B	Hexagon Nut	661165888904
54	0				Bottom Hook Holder	
	2	788899		K1000-54		661165888997
55	0				Roller Pin	
	0					
	29	788900		Ø3X40		661165889000
	0					
56	0				Bottom Hook Shaft	

PCB1.5K	Quantity	Stock #	Reference	MODEL	DESCRIPTION	UPC
1	0				Rivet = Low-Profile Flat Head Solid Rivets, 0.119" Diameter, for 0.16" Maximum Material Thickness	
	8	788310	McMaster 97358A101	K500-1		661165883107
2	0				Name Plate	
	2	788901		K1500-2		661165889017
3A	0				Acorn Nut	
	6	788853	McMaster 99164A104	K500-3A		661165888539
3B	0				Lock Washer	
	6	788854	McMaster 93279A400	K500-3B		661165888546
4	0				Gear Cover Assembly	
	2	788855		K500-4		661165888553
5	0				Seal Type Caged Ball Bearing	
	2	788814		Ø12xØ32x10		661165888140
6	0				Spur Gear Assembly	
	4	788856		K500-6		661165888560
7	0				Load Gear	
	2	788857		K500-7		661165888577
8	0				Gear Side Plate Assembly	
	2	788858		K500-8		661165888584
9	0				Seal Type Caged Ball Bearing	
	2	788859		Ø35xØ62x14		661165888591
10	0				Top Hook Shaft	
	2	788860		K500-10		661165888607
11	0				Split Pin = Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 25mm Long	
	2	788884	McMaster 98350A215	K500-11		661165888843
12	0				Split Pin = Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 25mm Long	
	4	788884	McMaster 98350A215	K500-11		661165888843
13	2	788902		K2000-13	Casting Safety Latch Assembly	661165889024
14	1	788903		K2000-14	Top Hook Assembly	661165889031
15	0				Needle Bearing	
	2	788822		HK1715(Ø24)		661165888225
16	0				C-Clip = External Retaining Ring for 24 mm OD, Black-Phosphate 1060-1090 Spring Steel	
	2	788863	McMaster 98541A125	K500-16		661165888638
17	0				Drive Shaft	
	1	788864		K500-17		661165888645
18	1	788904		Ø35xØ62x14	Seal Type Caged Ball Bearing	661165889048
	2					#N/A
19	1	788866		K500-19	Wheel Side Plate Assembly	661165888669
	0					
20	1	788827		K200-20	Disc Hub	661165888270
	0					
21	2	788867		K500-21	Pawl Spring	661165888676
	0					
22	2	788773		K500-22	Pawl	661165887730
	0					
23	2	788774	McMaster 98541A118	K500-23	Snap Ring =External Retaining Ring for 10 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165887747
	0					
24	1	788868		K500-24	Dust Cover	661165888683
	0					
25	1	788869		K500-25	Hand Chain Wheel	661165888690
	0					
25L	0				Overload Limiter Assembly	
	0					
26	1	788650	McMaster 93760A233	K500-26	Pinion Nut	661165886504
	0					
27	1	788711	McMaster 98350A260	K500-27	Split Pin = Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0					
28	1	788870		K500-28	Hand Wheel Cover Assembly	661165888706
	0					
	6	788414	McMaster 99164A102	K300-3A		661165884142
	6	788413	McMaster 93279A200	K300-3B		661165884135
30	1	788746		Ø5x25	Connecting Link	661165887464
	0					
31	As Req'd Per Foot	788746		Ø5X25	Hand Chain	661165887464
32A	0				Anchor Pin	
	2	788871		K500-32A		661165888713
32B	0				Split Pin = Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 20mm Long	
	2	788308	McMaster 98350A160	K500-32B		661165883084
33	0				Anchor Plate	
	2	788872		K500-33		661165888720
34	0				Load Sheave	
	2	788873		K500-34		661165888737
35	0				Stripper	
	2	788874		K500-35		661165888744
36	0				Guide Roller	
	4	788875		K500-36		661165888751
37	1	788533	McMaster 98541A139	K500-37	Snap Ring = External Retaining Ring for 32 mm OD, Black-Phosphate 1060-1090 Spring Steel	661165885330
	0					
38	As Req'd Per Foot	788887		Ø9X27	Load Chain	661165888874
39A	1	788888		K1000-39A	Load Pin	661165888881
39B	0	788877	McMaster 90576A118	M10	Lock Nut	
40	1	788905		K1500-40	Bottom Hook Assembly	661165889055
41	0				Socket Head Cap Screw	
41A	0				Lock Washer	
41B	0				Hexagon Nut	
42	0				Hook Collar Assembly	
43	0				Steel Ball	
44	1	788906		K1500-44	Top Idle Shaft	661165889062
45	0				Roller Pin	
	0					
46	0				Top Idle Sheave	
	2	788907		K2000-46		661165889079
47	1	788908		K2000-47	Top Hook Holder	661165889086
47A	0				Left Top Hook Holder	
47B	0				Right Top Hook Holder	
48	2	788909		K2000-48	Slotted baffle	661165889093
48A	4	788910	McMaster 96144A111	K2000-48A	Socket Head Cap Screw = Fine-Thread Alloy Steel Socket Head Screw, M6 x 0.75 mm Thread, 12 mm Long	661165889109
48B	4	788419	McMaster 93279A100	K025-3B	Lock Washer	661165884197
49	1	788911		K21500-49	Hook Shaft	661165889116
50	3	788912		K2000-50	Slotted baffle	661165889123
50A	6	788910	McMaster 96144A111	K2000-48A	Socket Head Cap Screw = Fine-Thread Alloy Steel Socket Head Screw, M6 x 0.75 mm Thread, 12 mm Long	661165889109
50B	8	788419	McMaster 93279A100	K025-3B	Lock Washer	661165884197
51	0				Bottom Idle Sheave	
	0					
	4	788913		K2000-51		661165889130
52	0				Bottom Idle Shaft	
	2	788914		K1500-52		661165889147
52A	0				Lock Nut	
52B	0				Washer	
53	0				Socket Head Cap Screw	
	0					
53A	0				Lock Nut	
	0					
53B	0				Lock Washer	
53C	0				Hexagon Nut	
54	1	788915		K1500-54	Bottom Hook Holder	661165889154
	0					
55	0				Roller Pin	
	0					
	0					
	90	788916		Ø4X30		661165889161
56	1	788917		K2000-56	Bottom Hook Shaft	661165889178

PCB2K	Quantity	Item #	Reference	MODEL	DESCRIPTION	UPC
1	0				Rivet = Low-Profile Flat Head Solid Rivets, 0.119" Diameter, for 0.16" Maximum Material Thickness	
	8	788310	McMaster 97358A101	K500-1		661165883107
2	0				Name Plate	
	2	788918		K2000-2		661165889185
3A	0				Acorn Nut	
	6	788853	McMaster 99164A104	K500-3A		661165888539
3B	0				Lock Washer	
	6	788854	McMaster 93279A400	K500-3B		661165888546
4	0				Gear Cover Assembly	
	2	788855		K500-4		661165888553
5	0				Seal Type Caged Ball Bearing	
	2	788919		Ø12xØ32x11		661165889192
6	0				Spur Gear Assembly	
	4	788856		K500-6		661165888560
7	0				Load Gear	
	2	788857		K500-7		661165888577
8	0				Gear Side Plate Assembly	
	2	788858		K500-8		661165888584
9	0				Seal Type Caged Ball Bearing	
	2	788859		Ø35xØ62x14		661165888591
10	0				Top Hook Shaft	
	2	788860		K500-10		661165888607
11	0				Split Pin = Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 25mm Long	
	2	788884	McMaster 98350A215	K500-11		661165888843
12	0				Split Pin = Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 25mm Long	
	4	788884	McMaster 98350A215	K500-11		661165888843
13	2	788902		K2000-13	Casting Safety Latch Assembly	661165889024
14	1	788903		K2000-14	Top Hook Assembly	661165889031
15	0				Needle Bearing	
	2	788822		HK1715(Ø24)		661165888225
16	0				C-Clip = External Retaining Ring for 24 mm OD, Black-Phosphate 1060-1090 Spring Steel	
	2	788863	McMaster 98541A125	K500-16		661165888638
17	0				Drive Shaft	
	2	788864		K500-17		661165888645
18	0				Seal Type Caged Ball Bearing	
	2	788904		Ø35xØ62x14		661165889048
19	0				Wheel Side Plate Assembly	
	2	788866		K500-19		661165888669
20	0				Disc Hub	
	2	788827		K200-20		661165888270
21	0				Pawl Spring	
	4	788867		K500-21		661165888676
22	0				Pawl	
	4	788773		K500-22		661165887730
23	0				Snap Ring =External Retaining Ring for 10 mm OD, Black-Phosphate 1060-1090 Spring Steel	
	4	788774	McMaster 98541A118	K500-23		661165887747
24	0				Dust Cover	
	2	788868		K500-24		661165888683
25	0				Hand Chain Wheel	
	2	788869		K500-25		661165888690
25L	0				Overload Limiter Assembly	
	0					
26	0				Pinion Nut	
	2	788650	McMaster 93760A233	K500-26		661165886504
27	2	788711	McMaster 98350A260	K500-27	Split Pin = Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0					
	2	788870		K500-28		661165888706
	6	788414	McMaster 99164A102	K300-3A		661165884142
29B	0	#			Lock Washer	
	6	788413	McMaster 93279A200	K300-3B		661165884135
30	0				Connecting Link	
	2	788746		Ø5x25		661165887464
31	As Req'd Per Foot	788746		Ø5X25	Hand Chain	661165887464
32A	0				Anchor Pin	
	2	788871		K500-32A		661165888713
32B	0				Split Pin = Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 20mm Long	
	2	788308	McMaster 98350A160	K500-32B		661165883084
33	0				Anchor Plate	
	2	788872		K500-33		661165888720
34	0				Load Sheave	
	2	788873		K500-34		661165888737
35	0				Stripper	
	2	788874		K500-35		661165888744
36	0				Guide Roller	
	4	788875		K500-36		661165888751
37	0				Snap Ring = External Retaining Ring for 32 mm OD, Black-Phosphate 1060-1090 Spring Steel	
	2	788533	McMaster 98541A139	K500-37		661165885330
38	As Req'd Per Foot	788887		Ø9X27	Load Chain	661165888874
39A	0				Load Pin	
39B	0				Lock Nut	
40	1	788920		K2000-40	Bottom Hook Assembly	661165889208
41	0				Socket Head Cap Screw	
41A	0				Lock Washer	
41B	0				Hexagon Nut	
42	0				Hook Collar Assembly	
43	0				Steel Ball	
44	1	788921		K2000-44	Top Idle Shaft	661165889215
45	0				Roller Pin	
	90	788922		4x30		661165889222
46	0				Top Idle Sheave	
	3	788907		K2000-46		661165889079
47	1	788908		K2000-47	Top Hook Holder	661165889086
47A	0				Left Top Hook Holder	
47B	0				Right Top Hook Holder	
48	2	788909		K2000-48	Slotted baffle	661165889093
48A	4	788910	McMaster 96144A111	K2000-48A	Socket Head Cap Screw = Fine-Thread Alloy Steel Socket Head Screw, M6 x 0.75 mm Thread, 12 mm Long	661165889109
48B	4	788419	McMaster 93279A100	K025-3B	Lock Washer	661165884197
49	1	788923		K2000-49	Hook Shaft	661165889239
50	6	788912		K2000-50	Slotted baffle	661165889123
50A	6	788910	McMaster 96144A111	K2000-48A	Socket Head Cap Screw = Fine-Thread Alloy Steel Socket Head Screw, M6 x 0.75 mm Thread, 12 mm Long	661165889109
50B	6	788419	McMaster 93279A100	K025-3B	Lock Washer	661165884197
51	0				Bottom Idle Sheave	
	0					
	4	788913		K2000-51		661165889130
52	0				Bottom Idle Shaft	
	2	788924		K2000-52		661165889246
52A	0				Lock Nut	
52B	0				Washer	
53	0				Socket Head Cap Screw	
	0					
53A	0				Lock Nut	
	0					
53B	0				Lock Washer	
53C	0				Hexagon Nut	
54	1	788925		K2000-54	Bottom Hook Holder	661165889253
	0					
55	0				Roller Pin	
	0					
	0					
	120	788916		Ø4X30		661165889161
56	1	788917		K2000-56	Bottom Hook Shaft	661165889178



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