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Operator’s Manual
for Morse
Extra Heavy-Duty Kontrol-Karrier

Model 185A-GR
Serial Number 414504 to _____

Receiving Procedures

Every Morse drum handler is inspected prior to shipping. However, damage may be incurred during transit.

- Check for visible damage. If you choose to accept damaged freight, always sign noting the damage on the **Bill of Lading**.
- Document the damage and have the truck driver sign. We recommend keeping a digital camera at your receiving dock for this purpose.
- Open packages expeditiously to check the condition of the goods. There is only a 24 hour window to notify the carrier of any concealed damage.
- Immediately **report all damage to the shipping company!** Then you may contact Morse for assistance with your freight claim.
- Morse Manufacturing will not be held responsible for any damaged freight that is not signed for as damaged.

Limited 2 Year Warranty

Morse drum handling equipment is guaranteed against defects in workmanship or materials for two years when used properly within its rated capacity. Warranty does not cover wear from normal use or damage from accident or abuse. Motors and other purchased parts carry the warranties of their manufacturers.

For warranty claims, contact your Morse Dealer to obtain a return authorization number, and for return freight advice. Return freight must be prepaid.

In all instances, liability is limited to the purchase price paid or to repairing or replacing the product. Customer assumes liability for any modifications, unauthorized repairs or parts substitution.



Safety Information

While Morse Manufacturing Co. drum handling equipment is engineered for safety and efficiency, a high degree of responsibility must be placed upon the machine operator to follow safe practices, based primarily on common sense, upon which true safety depends.

Failure to follow the safety precautions in this manual can result in personal injury or property damage. Observe the same precautions as with similar machinery where carelessness in operating or maintenance is hazardous to personnel. Carefully read the safety precautions below and throughout this manual.

Review the Material Safety Data Sheet(s) for the material(s) in the drum(s) and take all necessary precautions. Safety shoes, work gloves, hard hat and other personal protective devices are recommended.

Prior to initial use, inspect all moving parts and test rotation of chain wheel and drum holder assembly. Inspect drum holder assembly for proper operation. Perform necessary load test, inspections, operator training, etc.

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Safety Information (continued)

	DANGER: Indicates a situation which, if not avoided, will result in serious injury or death. This signal word is limited to the most extreme situations.
	WARNING: Indicates a situation which, if not avoided, could result in serious injury or death.
	CAUTION: Indicates a situation which, if not avoided, can result in damage to the machine.



WARNING: Kontrol-Karriers are designed to handle one drum of the types listed at the top of page 3. Machine Description. DO NOT attempt to handle any other type of drum or object.



WARNING: DO NOT exceed the weight capacity of 2000 Lb. (907 kg) for FULL drum. 1000 Lb. (454 kg) for HALF-FULL drum.



WARNING: DO NOT operate damaged or malfunctioning unit, or a unit with missing parts.



WARNING: DO NOT lift people or suspend loads over people. Stay clear of suspended loads.



WARNING: DO NOT lift loads higher than necessary.



WARNING: DO NOT leave suspended loads unattended.



WARNING: DO NOT remove or obscure warning labels.



WARNING: DO NOT operate without first having read and understood operating manual.



WARNING: DO NOT make alterations or modify the unit. Under no circumstances should any modifications be made to the Morse machinery without factory authorization. Any modifications may void the warranty. This machine was designed to perform a specific job and alterations may result in injury to operator or machine.



WARNING: Wear safety shoes with non-slip soles and hard toe protection.



CAUTION: DO NOT allow drum to impact on floor, ground, etc.



WARNING: This product can expose you to chemicals including barium sulfate, cobalt, titanium dioxide, and 2-methylimidazole, which are known to the State of California to cause cancer, and bisphenol-A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

**Operator's Manual for Morse Model 185A-GR Extra Heavy-Duty Kontrol-Karrier
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Machine Description

Model 185A-GR Extra Heavy-Duty Kontrol-Karrier is designed to lift, transport, and dispense a ribbed 55-gallon (210 liter) steel drum 22.5" (57.2 cm) in diameter.

Maximum full-drum capacity is 2000 Lb. (907 kg). Capacity is derated to 1000 Lb. (454 kg) for half-full drum. Half-full rating is based on tilt mechanism's capacity for handling unbalanced, bottom-heavy drum.

MORSE
Mfg. Co., Inc.
E. Syracuse, NY

2000 Lb.
(907 kg)

Max. Capacity

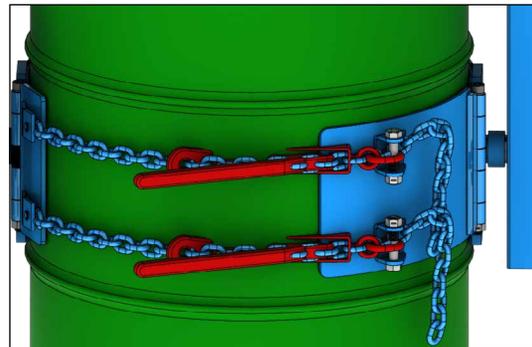
The Specialist In Drum Handling Equipment

Made In U.S.A.

ACCESSORIES
to Install on EXISTING Manual Tilt Drum Handler



Model # 55/30-19GR
Diameter Adapter
for 30-gallon (114 liter) drum. Insert Diameter Adapter into drum holder to handle a 19" (48.3 cm) diameter steel drum.



Kit # 6214KIT-P
Two Chains & Load Binders
Secure drum in holder with two chains and load binders. Replaces standard web straps and ratchets.



Kit # 2690GR-P
Hand Wheel
10" (25.4 cm) diameter Hand Wheel with speed knob. Replaces standard pull chain to turn drum.



Kit # 1460-P
Hand Crank
9" (22.9 cm) Hand Crank. Replaces standard pull chain to turn drum.



Kit # 6333-P
Fork Pockets
Add fork pockets to below-hook drum handler.

**Operator's Manual for Morse Model 185A-GR Extra Heavy-Duty Kontrol-Karrier
with Serial Number 414504 to _____**

Important

1. Please read all instructions thoroughly before attempting to operate your new Morse drum handler.
2. Prior to initial use, inspect all moving parts and test rotation of chain wheel and saddle assembly. Inspect Drum holder (saddle) assembly for proper operation. Perform necessary load test, inspections, operator training, etc.
3. When loading, unloading, operating, or maintaining your MORSE drum handler, always use care and good judgment. Maintain secure footing and a firm hold. Keep hands and loose clothing away from all moving parts. Never allow anyone to be below any part of a raised drum handler or drum. Read operating instructions and review pictures in sales brochure before operation.
4. Kontrol-Karrier is a "Group 1 structural and mechanical" below-the-hook lifting device which is covered by the American National Standard ASME B30.20. The user should comply with all aspects of this standard.
5. Model 185A-GR has a maximum capacity rating of 2000 Lb. (907 kg) full drum and 1000 Lb. (454 kg) half-full drum and is designed to lift, move and pour a 55-gallon (208 liter) steel drum. DO NOT exceed these ratings. Exceeding these ratings or handling drums other than those mentioned above is unsafe and could result in equipment damage, excessive wear or awkward handling.
6. Review Material Safety Data Sheet(s) for material(s) in drum(s) and take all necessary precautions. Safety shoes, work gloves, hard hat and other personal protective devices are recommended.

Assembly Instructions

1. Remove chain wheel from the box.
2. Slide chain wheel onto speed reducer input shaft with the chain guide facing outward.
3. Insert roll pin to retain chain wheel on the speed reducer input shaft.
4. Prior to initial use, inspect all moving parts and test rotation of chain wheel and saddle assembly. Inspect straps and ratchets for proper operation. Perform necessary load test, inspections, operator training, etc. as prescribed in the ANSI/ASME B30.20 standard.

Operating Instructions

1. With Kontrol-Karrier standing on the floor, lower hoist and engage hoist hook into lifting eye.
2. Raise hoist to lift Kontrol-Karrier clear of floor and move it to drum.
3. Position Kontrol-Karrier at a height which aligns drum holder (saddle) band with center of drum. Swing open ratchet hinge plate and strap hinge plate.
4. Secure drum into drum holder. Thread each strap through notch in ratchet. Operate ratchets to tighten straps against the drum.
5. Raise hoist and position drum at pouring station. While transporting, ensure that drum is raised away from floor to prevent drum bottom from interfering with a pallet or other obstacle.
6. Pour drum by pulling on pull chain and rotating drum to suitable pouring angle.
7. After pouring is completed, rotate drum back to vertical position and lower hoist to return drum to floor.
8. Remove drum by operating ratchet to loosen each web strap around drum. Release straps from ratchets and swing open hinge plates. Push Kontrol-Karrier away from drum.



CAUTION: DO NOT allow drum to impact on floor, ground, or dumping station, etc.



CAUTION: DO NOT exceed weight capacity of 2,000 Lb. (907 kg) for FULL drum, 1,000 Lb. (454 kg) for HALF-FULL drum.



WARNING: Watch out for pinch points - Stay clear of moving parts.

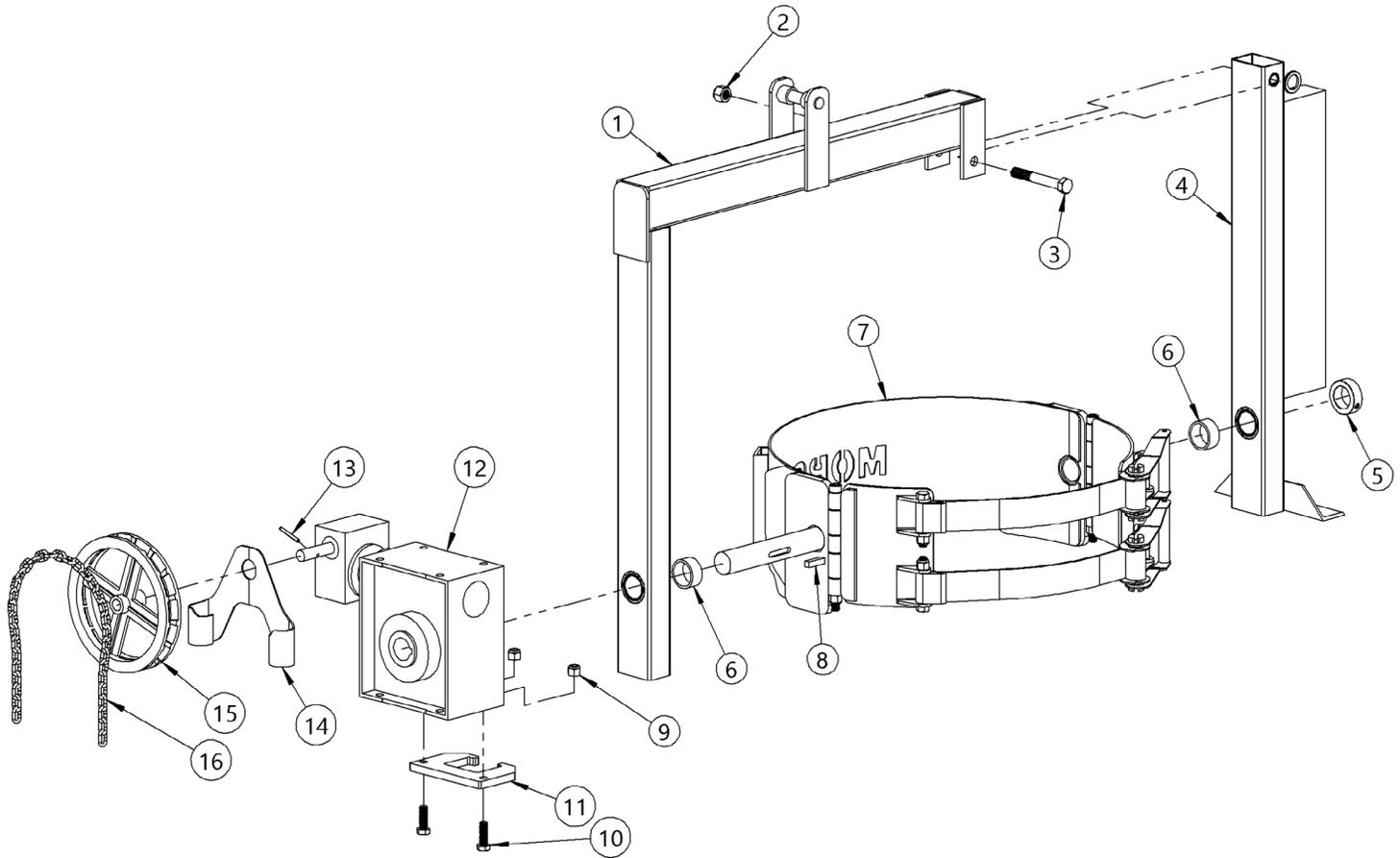


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Maintenance

1. Periodically inspect all moving parts, framework, ratchet straps, and contact areas for signs of wear, fatigue, or loosening. Perform all inspections, load tests, and maintenance according to the ANSI/ASME B30.20 standard.
2. Worn or damaged parts must be properly replaced with the correct, genuine Morse parts.
3. Ensure all labels are in place. Product labels should be inspected periodically and cleaned as necessary to maintain good legibility. Please contact Morse Mfg. Co. for replacement labels.
4. Periodically inspect all moving parts, framework, ratchet, straps, fasteners and contact areas for signs of wear, fatigue, or loosening. The web strap should be removed from service and replaced if any of the following are visible:
 - Acid or caustic burns
 - Melting or charring of any part of the strap
 - Holes, tears, cuts, snags or embedded articles
 - Broken or worn stitching in load bearing splices
 - Excessive abrasive wear
5. Speed reducer has been filled with grease and tested prior to shipment. No maintenance is required.

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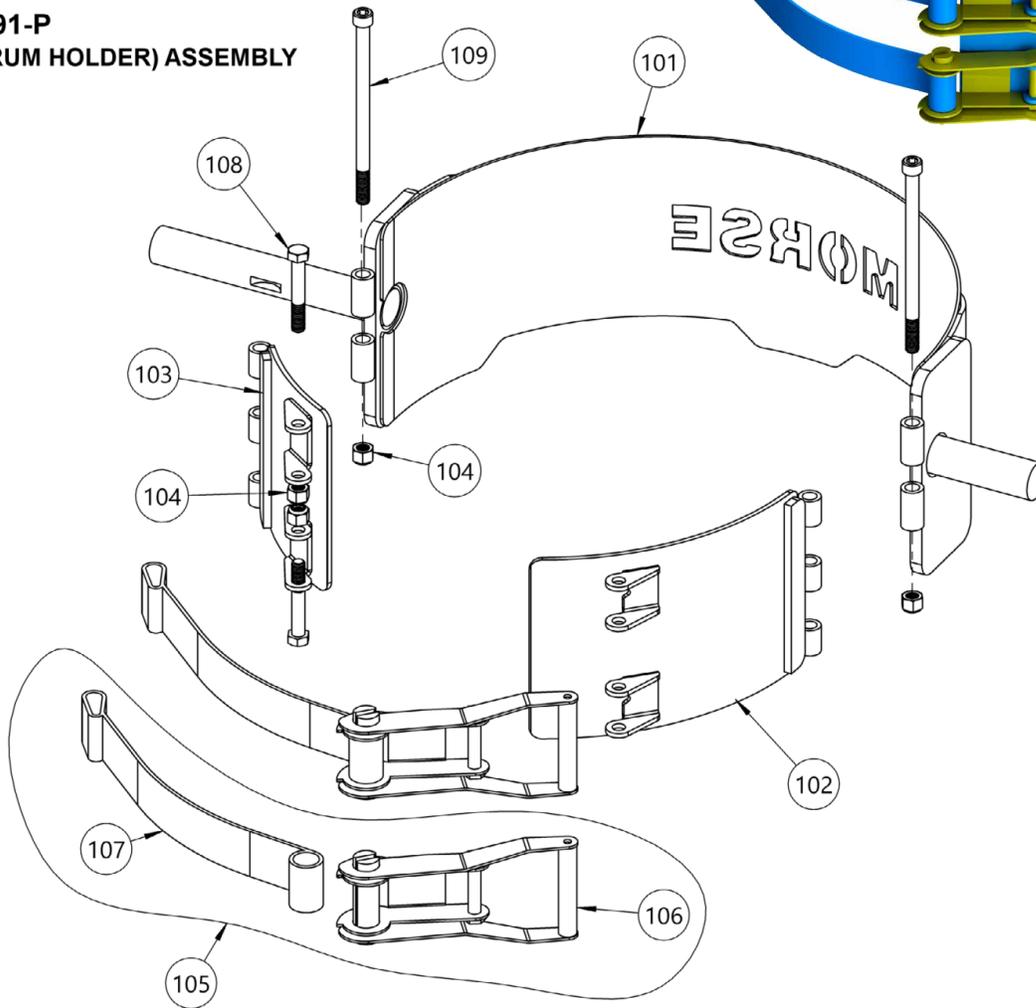


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	6374-P	OVERHEAD WELD, GR, XGR, 195	1
2	6265-P	NUT, 5/8-11 NYLON LOCK	1
3	565-P	HHCS, 5/8-11 X 4-1/2 GR5	1
4	6375-P	IDLER ARM W/ BRG, 185A-GR	1
5	570-P	COLLAR, 1-1/2" ID	1
6	5184-P	SPACER, GR SADDLE, PIPE	2
7	5991-P	SADDLE ASM, GR, 195 STRAP	1
8	6812-P	KEY, 3/8" X 1.5", GR XGR	1
9	6266-P	NUT, 1/2-13 NYLON LOCK	2
10	2172-P	HHCS, 1/2-13 X 1-1/2 GR5	2
11	5940e-P	TORQUE PLATE, 185A-GR XGR	1
12	6287-P	SPEED REDUCER, A-GR, 150:1	1
13	5269-P	ROLL PIN, 3/16 X 1-3/4	1
14	5245-P	GUIDE, POCKET CHAIN WHEEL	1
15	1303-P	POCKET CHAIN WHEEL, 3/4 BORE	1
16	3-185-P	PULL CHAIN, POCKET, 12' LENGTH	1

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PART # 5991-P
SADDLE (DRUM HOLDER) ASSEMBLY



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
101	5991W-P	SADDLE WELD, GR, 195, STRAP	1
102	5187-P	HINGE PLATE, GR, RATCHET	1
103	6006-P	HINGE PLATE, GR, DRIVE	1
104	6266-P	NUT, 1/2-13 NYLON LOCK	4
105	4449-P	STRAP ASM W/ RATCHET	2
106	5498-P	RATCHET ONLY, 4449-P	1
107	5497-P	WEB STRAP ONLY, 4449-P	1
108	6272-P	HHCS, 1/2-13 X 3-1/4"	2
109	6294-P	SHCS, 1/2-13 X 8"	2