

**Operator's Manual for Morse Model 185A-HDPS  
HEAVY DUTY KONTROL-KARRIER FOR PLASTIC OR STEEL DRUM  
Serial Number 0793 to 0209 (MMYY)**

**A. IMPORTANT:**

1. 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.
2. Please read all instructions *thoroughly* before attempting to operate your new MORSE drum handler.
3. The 185A-HDPS series has a maximum capacity rating of 900 Lb. FULL drum, and 450 Lb. HALF-FULL drum, and is intended for lifting, moving and pouring *55 gallon steel or plastic drum*. Model 185A-HDPS can handle a fibre drum if the appropriate saddle adaptor, 55/30 series, is installed. *DO NOT* exceed these ratings as an unsafe condition may result which could cause damage or excessive wear, or make the unit awkward to handle.
4. When loading, unloading, operating, or maintaining your MORSE drum handler, always use care and good judgment, have good footing and a firm hold. Keep hands and loose clothing, etc. 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 the pictures in the sales brochure before operation.
5. The 185A-HDPS is a "Group 1 - Structural and Mechanical" Below-the-Hook Lifting Device which is covered by the American National Standard ANSI/ASME B30.20. The user should comply with all aspects of this standard.

**B. OPERATING INSTRUCTIONS:**

1. Start with Kontrol-Karrier on the floor. Lower hoist and engage hoist hook to off-center lift point. Empty Kontrol-Karrier will hang plumb from off-center lift point.
2. Raise hoist to lift Kontrol-Karrier clear of floor and transport it next to the drum.
3. Suspend Kontrol-Karrier at a height which aligns drum saddle with center of drum.
4. With binder chain (item 37) hanging freely, swing the ratchet hinge plate (item 28) to the open position.
5. Push Kontrol-Karrier to position saddle band around the middle of drum between the ribs.
6. Using a drum hand truck, move the drum onto the foot of the bottom bracket weldment (item 41) so that the drum rests into the saddle band.
7. Adjust top bracket weldment (item 44) to meet the top of the drum and tighten with Tee handle (item 43).
8. Drape the cinch chain across the front of the drum and insert one link into the slot on the ratchet handle (item 33). Turn the ratchet handle clockwise to tighten the cinch chain around the drum (see assembly detail).
9. Move hoist hook to lift point which is centered over the drum.
10. Raise hoist and position drum at pouring station.
11. To pour drum: Pull on control chain (item 3) rotating drum to angle required for emptying. For best control of drum pouring angle, pay out one side of the loop while pulling in the other, thus being able to hold back the drum rotation after the load shifts.
12. After emptying, rotate drum back to vertical position and lower hoist to return empty drum.
13. To remove drum: Pull ratchet handle to relieve pressure on ratchet teeth. Lift pawl handle (item 29) to release teeth engagement and rotate ratchet to loosen chain and allow its removal from notch.

**CAUTION:** DO NOT allow drum to impact on floor, ground, or dumping station, etc. or there may be damage.

**CAUTION:** DO NOT exceed weight capacity of 900 Lb. for FULL drum, 450 Lb. for HALF-FULL drum.

**C. MAINTENANCE:**

1. Lubricate gear teeth and roller chain.
2. Oil ratchet, pawl, saddle hinge and other moving parts periodically.
3. Periodically inspect all moving parts, framework, and contact areas for signs of wear, fatigue, or loosening. Tighten, adjust or replace parts as necessary to prevent failure and maintain proper function.

## Parts List

ITEM	QTY.	PART #	DESCRIPTION
1 *	1	1303-P	POCKET CHAIN WHEEL, 3/4 BORE
2	1	1304-P	GUIDE, POCKET CHAIN WHEEL
3 *	2	3-185-P	PULL CHAIN, POCKET, 12' LENGTH
4 *	1	19-P	BEARING, 3/4" ID X 2-1/2"
5	2	55-P	WASHER, 3/4 SAE FL 1-1/2 OD
6	2	64-P	ROLL PIN, 3/16 X 1-1/4
7 *	1	1302-P	SHAFT W/ 12T SPROCKET, POCKET
8 *	1	12-P	CHAIN, ROLLER, #35 W/ M LINK
9	1	795-P	LINK, MASTER, #35 CHAIN
10 *	1	13-P	SPROCKET #35 36T, 3/4" BORE
11 *	1	735-P	KEY, WOODRUFF, SIZE 9, ASA606
12 *	1	14-P	GEAR, PINION, 7 TOOTH
13 *	1	27-P	SPUR GEAR W/ 1" SHAFT, HD TYPE
14 *	2	736-P	KEY, WOODRUFF, SIZE 15, ASA808
15	1	29-P	SPACER, SPUR GEAR .15"
16 *	2	18-P	BEARING, 1" ID X 2-1/2"
17 *	1	7-P	BEARING, 3/4" ID X 1-1/2"
18	1	15-P	COLLAR, 3/4" ID
19 *	1	30-P	SPROCKET #40D 16T, 1" BORE
20 *	1	31-P	CHAIN, ROLLER, #40D W/ M. LINK
21	1	796-P	LINK, MASTER, FOR #40D CHAIN
22 *	1	32-P	SPROCKET #40D 32T, 1" BORE
23	1	745APS-P	HDPS SADDLE CPT W/ BRACKET
25	1	48-P	LIFT YOKE W/ BRGS, 185HD, A, C
26	1	1296-P	1/4 - 20 X 7-1/2 HHCS GR 5 STL
27	1	1297-P	1/4 - 20 REV HEX LOC NUT
28	1	731-P	RATCHET HINGE PLATE ONLY 1/4 A
29	1	168-P	PAWL, WITH DRILLED HOLE
30	1	169-P	PAWL SPRING
31	1	170-P	3/8" DIA X 5/8" SHOULDER SCREW
32	1	710-P	RETAINER, RATCHET PUSH ON 3/4"
33	1	165-P	RATCHET, MALLEABLE, FOR SADDLE
34	1	136-P	HANDLE GRIP, 7/8" X 4-3/4"
35	1	165KIT-P	KIT, RATCHET CHAIN TIGHTENER
36 *	1	726-P	RATCHET HINGE PLATE CPT 1/4" A
37 *	1	180-P	CHAIN, CINCH, 3/16 ALLOY 33 LK
38	1	82-P	3/8 - 16 X 2-1/4 HHCS GR 2 STL
39	4	1169-P	3/8 - 16 REV HEX LOC NUT
40	1	1465-P	BRACKET ASM, HDPS
41	1	1370-P	BOTTOM BRACKET WELD, HDPS
42	2	1315-P	3/8 - 16 X 2-3/4 HHCS GR 2 STL
43	1	1372-P	TEE HANDLE, HDPS BRACKET, 1-1/4"
44	1	1371-P	TOP HOOK WELD, APS, HDPS

\* Recommended spare parts.

**Parts Diagram**

