

OPERATORS MANUAL FOR MORSE 185 Series Kontrol-Karriers
Serial # 0285-0693 (MMYY)

Model 185A for 55 gallon standard steel drums (22½" diameter)

Model 185B for 30 gallon standard steel drums (19" diameter)

Model 185C for steel or fibre drums (21-23" diameter)

Model 185D for steel or fibre drums (19-20½" diameter)

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 model 185A, B, C, or D have a maximum capacity rating of 800 Lb. FULL drum and 500 Lb. HALF-FULL drum and are designed to lift, move and pour drums of size and type noted above. *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.
4. 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 the pictures in the sales brochure before operation.

B. OPERATING INSTRUCTIONS:

1. With Kontrol-Karrier standing on the floor, lower hoist and engage hoist hook into the lifting eye.
2. Raise hoist to lift Kontrol-Karrier clear of floor and move it to the drum.
3. Position Kontrol-Karrier at a height which aligns the saddle band with the center of the drum.
4. With the cinch chains hanging freely, push Kontrol-Karrier against the drum so that saddle will encircle the drum.
5. Drape the cinch chain across the front of the drum and insert one link into the slot on the ratchet handle. Turn the ratchet handle clockwise to tighten the cinch chain around the drum (see detail).
6. Raise hoist and position the drum at the pouring station.
7. Pour the drum by pulling on the pull chain and rotating the drum to a suitable pouring angle. For best control of drum pouring angle, pay out one side of the loop while pulling in the other side, thus being able to hold back the drum rotation after the load shifts.
8. After pouring is completed, rotate the drum back to vertical position and lower hoist to return drum to floor.
9. To remove drum: Pull ratchet handle to relieve pressure on ratchet teeth. Lift pawl handle 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.

CAUTION:

DO NOT exceed weight capacity of 800 Lb. for FULL drum, 500 Lb. for HALF-FULL drum.

C. MAINTENANCE:

1. Lubricate gear teeth and roller chain.
2. Clean and oil ratchet, pawl, saddle hinge, and other moving parts periodically. (Clean & lubricate more often in environments where dust, dirt or other foreign particles will effect the performance of moving parts.)
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

MORSE MODEL 185 SERIES KONTROL-KARRIERS

Serial Number 0285 - 0693 (MMYY)

MODELS 185A, 185B, 185C, 185D

ITEM #	LETTER SUFFIX see note#1	QUANTITY	PART #	DESCRIPTION
1		1	1-P	CHAIN WHEEL #1-1/2 W/ GUIDE
2		12	2-P	PULL CHAIN, 1/0, PER FT
3		1	2-185-P	PULL CHAIN, 1/0, 12' LENGTH
4		1	3-P	TRIANGLE & SHAFT W/ BOLTS
5		2	735-P	KEY, WOODRUFF, SIZE 9, ASA606
6		3	35-P	5/16 - 18 X 1 HHCS GR 2
7		1	19-P	BEARING, 3/4" ID X 2-1/2"
8		1	15-P	COLLAR, 3/4" ID
9		1	7-P	BEARING, 3/4" ID X 1-1/2"
10		1	16-P	COLLAR, 1" ID
11		1	18-P	BEARING, 1" ID X 2-1/2"
12		3	33-P	ALEMITE GREASE FIT
13		2	55-P	WASHER, 3/4 SAE FL 1-1/2 OD
14		1	11-P	SPROCKET, #35 12T, 3/4" BORE
15		1	12-P	CHAIN, ROLLER, #35 W/ M LINK
16		1	795-P	LINK, MASTER, #35 CHAIN
17		1	13-P	SPROCKET #35 36T, 3/4" BORE
18		1	14-P	GEAR, PINION, 7 TOOTH
19		1	29-P	SPACER, SPUR GEAR .15"
20		2	22-P	3/8 - 24 x 5/8" SHCS
21		1	23-P	GEAR, SPUR, 72T, 1" HOLE
22		1	47-P	OVERHEAD LIFT YOKE 185A W/BRG
23	A	1	112A-P	SADDLE ASM , 185A
23	B	1	112B-P	SADDLE ASM , 185B
23	C	1	112C-P	SADDLE ASM , 185C
23	D	1	112D-P	SADDLE ASM , 185D
24	A	1	113A-P	SADDLE WELD, 185A
24	B	1	113B-P	SADDLE WELD, 185B
24	C	1	113C-P	SADDLE WELD, 185C
24	D	1	113D-P	SADDLE WELD, 185D
25		1	155-P	3/8 - 16 X 2-1/2 HHCS GR 2
26	A,B	1	180-P	CHAIN, CINCH, 3/16 ALLOY 33 LK
27	C,D	1	E14	FIBRE DRUM STRAP 14"
28		1	64-P	ROLL PIN, 3/16 X 1-1/4
29		1	136-P	HANDLE GRIP, 7/8" X 4-3/4"
30		1	169-P	PAWL SPRING
31		1	170-P	3/8" DIA X 5/8" SHOULDER SCREW
32		1	168-P	PAWL, WITH DRILLED HOLE
33		1	710-P	RETAINER, RATCHET PUSH ON 3/4"
34		1	165-P	RATCHET, MALLEABLE, SADDLE
35		1	165KIT-P	KIT, RATCHET CHAIN TIGHTENER
36	B,D	1	720-P	HINGE BOLT & NUT, 1/4"
37	B,D	1	731-P	RATCHET HINGE PLATE ONLY 1/4 A
38	B,D	1	726-P	RATCHET HINGE PLATE CPT 1/4" A

Note #1: If no letter is shown, the part is for Models 185A, 185B, 185C, or 185D. If a letter is shown, the part is for the model with that letter suffix only.

Note #2: "Saddle Assembly" includes the saddle weld and appropriate attached moving parts, such as 25, 26 or 27, 35 or 36 and 38. "Saddle Weld" has no moving parts.

**PARTS DIAGRAM FOR
MORSE 185 Series Kontrol-Karriers
Serial # 0285-0693 (MMYY)**

**For replacement parts, please contact
your Morse dealer.**

When ordering parts, please specify:
 - Part number and description,
 - Model number
 - Serial number

**Find model number and serial number on
metal name plate attached to frame.**

