

TRAVELING CONDITIONS

SUPPLEMENT TO FOLIO 743

4100W RINGER SERIES 3

Traveling with a Ringer must be accomplished using caution to allow for dynamic effects of traveling. The traveling area should be a firm, level, uniform supporting surface.

Where ground conditions do not provide a smooth runway, timber matting should be used.

TRAVEL PREPARATION

1. Swing the upperworks to line up with the crawlers.

CAUTION: DO NOT SWING THE UPPERWORKS UNLESS THE RING AND SIDE BEAMS ARE SUPPORTED WITH BLOCKING OR SCREW JACKS.

2. Raise boom to specified angle and radius according to table.

CAUTION: POSITION BOOM BEFORE MACHINE IS RAISED AND SCREW JACK OR BLOCKING SUPPORTS ARE REMOVED.

3. Tie off load block to boom carrier.

NOTE: For 300 ft. boom length - load block and hoist lines must be removed.

4. Remove Ringer counterweight per table.

CAUTION: DO NOT UNLOAD ALL THE COUNTERWEIGHTS FROM ONE SIDE OF THE CARRIER AND THEN ALL FROM THE OTHER SIDE. REMOVE THE COUNTERWEIGHTS ONE AT A TIME, ALTERNATING FROM SIDE TO SIDE.

5. Raise machine and ring with hydraulic jacking system and remove screw jack or blocking support. Use steel plates under the jacks to provide adequate footing. Position plates to avoid contact with crawler treads when machine is lowered.

6. Lower machine and ring with hydraulic jacking system.

7. If ring side segments are removed, they must be removed with machine and ring lowered onto temporary supports under front and rear end segments. End stops must be installed between end segments and ring side

beams before the temporary supports can be removed under the front and rear end segments.

TRAVELING THE RINGER

1. It is recommended to travel in the forward direction with crawler drive sprocket at the rear of the machine.

NOTE: Maximum allowable grade for travel is 5%. Side to side grade should be held to $0\% \pm \frac{1}{4}\%$.

2. When cutting the machine steel plates may be needed under the crawlers (especially the crawler with the steering lock engaged) to prevent ground build-up next to the crawlers.

NOTE: For some ground conditions wetting the ground where cutting will occur may help reduce ground build up and eliminate the need for steel plates.

NOTE: The ring bolts should be tightened after each time the Ringer is moved.

The following table contains conditions for travel for the specific boom lengths listed:

BOOM LENGTH (FT.)	BOOM ANGLE (DEG.)	RADIUS (FT.)	RINGER CTWT. REQ. (LBS.)	NO. OF RINGER CTWT. BOXES*
140	50	107	0	0
160	57	104	0	0
180	65	94	0	0
200	70	87	0	0
220	62	121	46,000	1
240	67	112	46,000	1
260	70	104	46,000	1
280	67	125	92,000	2
300	70	120	92,000	2

*Each Manitowoc ctwt. box weights 46,000 lbs. If ctwt. boxes are not used, material of equivalent weight must be substituted. ■