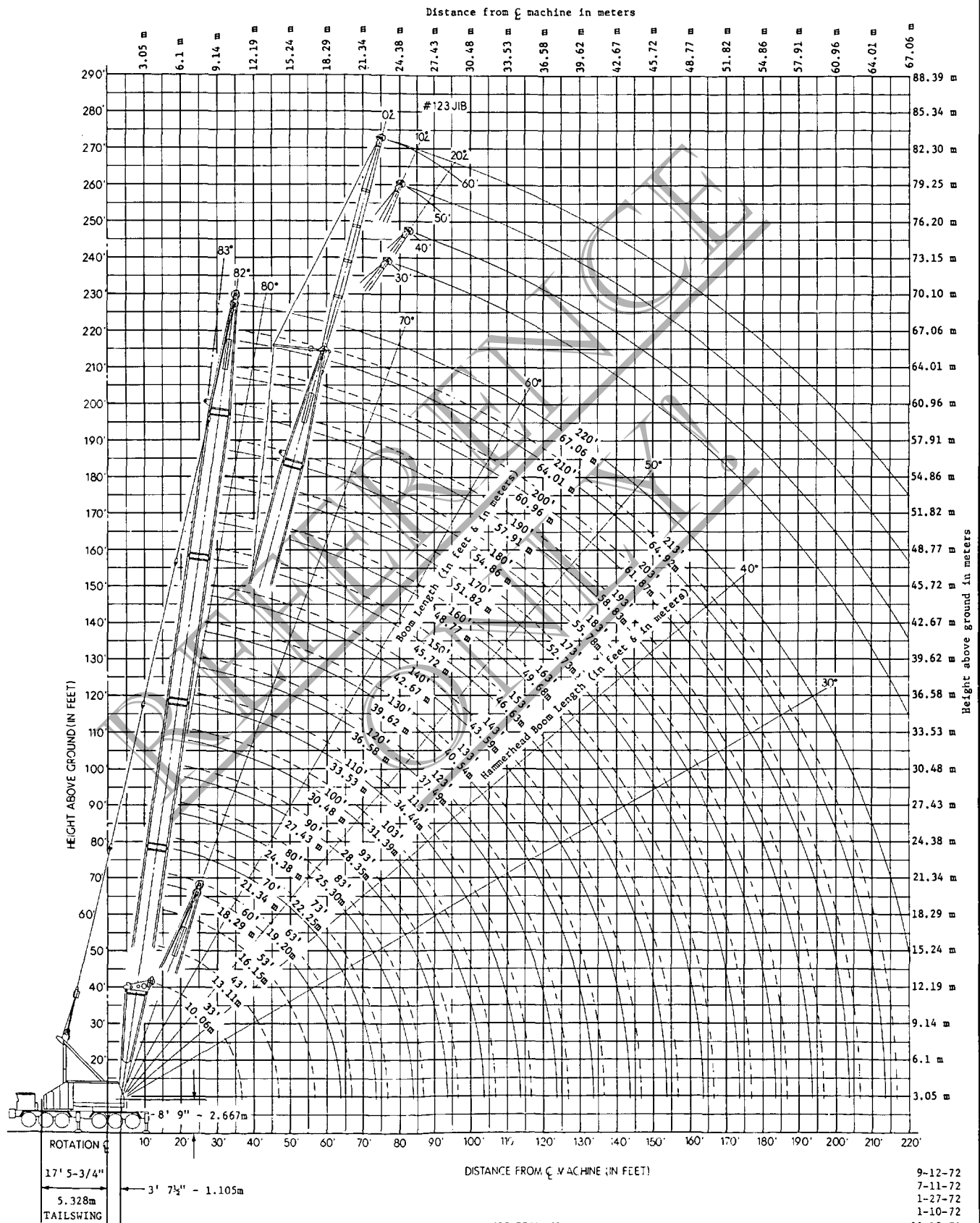


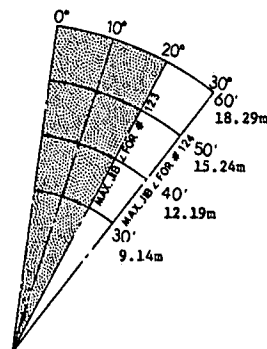
MANITOWOC ENGINEERING CO.

A Division of The Manitowoc Company, Inc.

Manitowoc, Wisconsin



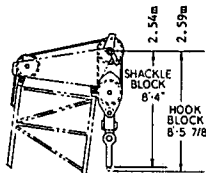
RANGE DIAGRAM -3900T-No. 9 or 9A BOOM



Jib offset chart shows the combinations of jib angle and lengths permissible with the no. 123 and 124 jibs.

PARTS OF LINE	FROM LOWER BOOM POINT TO -	DIMENSIONS	
		"A"	"B"
10	BOTTOM OF SHACKLE	3.02m	
	BOTTOM OF HOOK		3.10m
11	BOTTOM OF SHACKLE	4.32m	
	BOTTOM OF HOOK		4.37m

PARTS OF LINE	FROM LOWER BOOM POINT TO -	DIMENSIONS	
		"A"	"B"
10	BOTTOM OF SHACKLE	10'-0"	
	BOTTOM OF HOOK		10'-1 7/8"
11	BOTTOM OF SHACKLE	14'-2 1/4"	
	BOTTOM OF HOOK		14'-4 1/8"



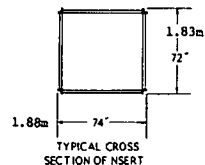
BLOCK TO BOOM POINT
MINIMUM DISTANCE
155 TON CAPACITY
9 OR 9A BOOM



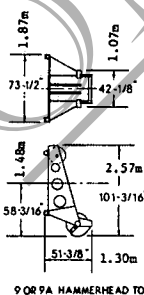
Open Throat Top
Offset 4-1/2 Degrees



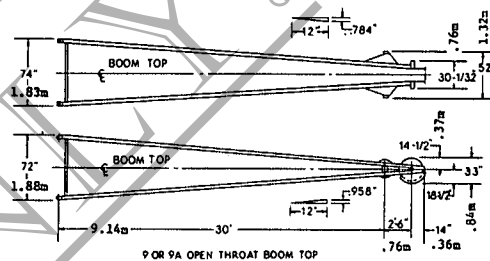
3 Ft. Deep Section
Hammerhead Top



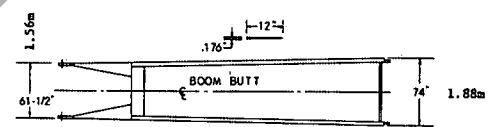
TYPICAL CROSS
SECTION OF INSERT



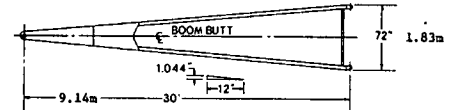
9 OR 9A HAMMERHEAD TOP



9 OR 9A OPEN THROAT BOOM TOP



9 OR 9A BOOM BUTT



NOTE 1: This drawing is intended only as a guide to assist in job planning.

NOTE 2: For planning a lift, this drawing is to be used in conjunction with appropriate-

- A. Capacity Charts.
- B. Range Chart.
- C. Load Line Specifications.
- D. Rigging Drawing.
- E. Outline Dimensions.

NOTE 3: For planning lifts where clearances are limited and accuracy is desired, a detailed layout should be prepared.

NOTE 4: Distance of MANITOWOC load block to boom point based on 3° fleet angle or physical limitations.

NOTE 5: When equipped with hoist line limit switch, contact factory for load block to boom point minimum distance.

MAXIMUM BOOM ANGLE

- 82° For No. 9 or 9A Boom W/Straight Open Throat Top
- 83° For No. 9 or 9A Boom W/4 1/2° Offset Open Throat Top
- 83° For No. 9 or 9A Boom W/Hammerhead Top

9-12-72
7-11-72
1-27-72
1-10-72
11-18-71

RANGE DIAGRAM -3900T- No.9or9A BOOM(Details)