

250 OLSEN BLVD
COKATO, MN 55321



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CUSTOMER PO	DRAWING #	DATE REQUIRED	PLACED BY	PAGE
2007657	12741,20129	JUN 22 2020		1

ORDER DATE	CUSTOMER	SLSM	SHIP VIA	INVOICE NO.	I.D.	BRANCH
JUN 22 2020	103300	998	**SEE ATTACHED**	236662	1	01

SOLD TO

DAKOTA RIGGERS AND TOOL SUPPLY
704 EAST BENSON
SIOUX FALLS, SD 57104

SHIP TO

EDINGER BROTHERS
25287 397TH AVE
ATTN: CHET
MOUNT VERNON, SD 57363

FILLED BY	DATE	BUNDLES	REELS	COILS	PIECES	CRATES	CARTONS	BAGS
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PRODUCT NUMBER	DESCRIPTION	QUANTITY			LOCATION	
		TO SHIP	UM	SHIPPED	WHSE	PGF CODE

20129	ADJUSTABLE SPREADER BEAM - HD 14-20 SPREAD 60,000 LB WLL ATTN: CHET	1	EACH	1	1	P C
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WEIGHT	DATE RECEIVED	RECEIVED BY	DRIVER
1835			

FILE COPY B



250 Olsen Boulevard, PO Box 970
Cokato, MN 55321
(P) 888-317-9016
Sales@MachiningAndWelding.com



Certificate of Conformance - Product Certification

& Inspection, Testing and Maintenance

BUILT TO MEET OR EXCEED ASME B30.20 / BTH-I / OSHA 1926.251

Jason
-Jasc

BTH-I Design Category	BTH-I Service Class	M&W Order Number
	2	236662
Proof Load Force Applied (Pounds US)		Working Load Limit / Rated Load (Pounds US)
75,000		60,000
Assembly Serial Number(s)		
236662.2.1		
Lifter Weight (if over 1001b)		Degree Angle from Horizontal
890		90
Description		
20129: ADJUSTABLE SPREADER BEAM -HD 14-20' SPREAD 60,000 LB WLL		

Date: _____

6/23/2020

Signature -

Printed Name -Ag:a.e-Jason Schmidt

DEFINITIONS AND WARNINGS COVERING
THE PURCHASE AND USE OF THIS PRODUCT

Working Load Limit (WLL) or Rated Load:
The load which a new, unused lift device may handle under given operating conditions

PROOF LOAD: A nondestructive test made by the manufacturer to verify construction and workmanship of the individual lift device

WARNING: DO not exceed the WLL of the lifter

WARNING: Lifter shall be operated by competent qualified personnel

WARNING: The end user bears the responsibility to ensure safe, normal operability by testing and inspecting the lifter per guidelines specified below

WARNING: Improper or careless use of this product might result in death or serious personal injuries sustained by the operator and bystanders

WARNING: Failure to read and understand this

Product Certification and inspection, testing, and maintenance document before using the lifter constitutes misuse. All persons who will install, use, or maintain the lifter must be familiar with this documented material.

Cautionary Notes:

Do not Exceed the lifters WLL

Do not use a damaged or malfunctioning lifter

Do not use a lifter with missing parts

Do not lift people

Do not reposition suspended loads over people

Do not leave suspended loads unattended

Do not remove or obscure warning labels

Do not stand in the fall path of the load being lifted

Do not lift loads higher than necessary

Do not make alterations to lifter

Do not grind, weld or modify the lifter in any way

Do not weld identification marks on the lifter WLL assumes a gentle load lift from stationary

WLL assumes a slow lift velocity

INSPECTION, TESTING, AND MAINTENANCE

The following inspection testing and maintenance procedures conform to ASME B30.20 industry standard recommendations.

Inspection Classification

General. All inspections should be performed by a designated person. Any deficiencies identified should be examined and a determination made by a qualified person as to whether they constitute a hazard.

Initial Inspection.

New and reinstalled lifters should be inspected prior to initial use to verify compliance with applicable provisions of ASME B30.20.

Altered or repaired lifters should be inspected. The inspection may be limited to the provisions affected by the alteration or repair, as determined by a qualified person

Inspection Intervals.

Inspection procedure for lifters in regular service is divided into three general classifications based upon the intervals at which inspection should be performed. The

intervals, in turn, are dependent upon the critical components of the lifters and the degree of their exposure to wear, deterioration, or malfunction. The three general classifications are designated as every lift, frequent, and periodic, with respective intervals between inspections as defined below

Every Lift Inspection. Visual examination by the operator before and during each lift made by the lifter
Frequent Inspection. Visual examination by the operator or other designated persons with records not required.

Normal Service. - Monthly.

Heavy service. - Weekly to Monthly.

Severe service . - Daily to weekly.

Special or infrequent Service. As recommended by a qualified person before and after each occurrence.

Periodic Inspection. Visual inspection making records of apparent external conditions to provide the basis for a continuing evaluation. An external code mark on the lifter is an acceptable identification in lieu of records Normal Service for equipment in place yearly.

Heavy Service - semiannually.

Severe Service — quarterly.

Special or infrequent service - as recommended by a qualified person before the first such occurrence and as directed by the qualified person for any subsequent occurrences.

Every Lift Inspection

Items such as the following should be inspected by the operator before and /or during every lift for any indication of damage as specifically indicated, including observations during operation for any damage that might occur during the lift:

- a) Surface of the load for debris
- b) Condition and operation of the controls
- c) Condition and operation of the indicators and meters when installed

Frequent Inspection

Items such as the following should be inspected for damage at intervals as defined under "Inspection Classification" including observations during operation for any indications of damage that might appear between inspections. A qualified person should determine whether any indications of damage constitute a hazard or will require more frequent inspection. For all lifters, inspect:

- a) Structural members for deformation, cracks, or excessive wear on any part of the lifter
- b) Loose or missing guards, fasteners, covers, stops or nameplates.
- c) All functional operating mechanisms and automatic hold-and-release mechanisms for maladjustments interfering with operation.
- d) Missing or illegible operating markings.

Periodic Inspections

Complete inspection of the lifter should be performed at intervals as defined under "Inspection Classification". Any deficiencies, such as listed below, should be examined and determination made as to whether they constitute a hazard. These inspections should include the requirements under "Frequent Inspection" and, in addition, items such as the following:

- a) Loose bolts or fasteners.
- b) Cracked or worn gears, pulleys, sheaves, sprockets, bearings, chains, and belts

- c) Excessive wear of friction pads, linkages, and other mechanical parts.
- d) Excessive wear of hoist hooking points and load support clevises or pins.
- e) Missing or illegible product safety labels.

Lifting Devices Not in Regular use

A lifter that has been idle for a period of 1 month to 1 year should be inspected in accordance with the requirements under "Frequent Inspection" before being placed in service. A lifter that has been idle for more than 1 year or more should be inspected in accordance with "Periodic Inspections" before being returned to service.

Inspection Records

For the sake of good inspection, testing and maintenance practices, records should be made on critical items as listed under "Periodic Inspections" and made available for each periodic inspection

Repairs

Any indications of damage disclosed by the inspection requirements shall be corrected before operation of the lifter is resumed.

M&W does not allow for refurbishment/repair outside of the original manufacturers plant

Testing

Operational Test

New and reinstalled lifting devices should be tested by a qualified person, or a designated person under the direction of a qualified person, prior to initial use to verify compliance with applicable provisions of ASME B30.20, including, but not limited to the following:

Moving parts. - Lifters with moving parts should be tested to determine that the lifter operates in accordance with the manufacturers instruction. 3 of 5 Latches. - Lifters with manually operated or automatic latches should be tested to determine that the latch operates in accordance with manufacturer's instructions. DO NOT remove latches. Altered or repaired lifters should be tested by a qualified person, or a designated person under the direction of a qualified person. This test may be limited to the provisions affected by the alteration or repair, as determined by a qualified person with guidance from the manufacturer.

All indicator lights, gages, horns, bells, alarms, pointers, and other warning devices should be tested.

For the sake of good order dated reports should be filed.

Load Test

a) Prior to initial use, all new, altered, or repaired lifting devices should be tested and inspected. If performed, tests should be done under the direction of a qualified person. For the sake of good order a written report should be furnished by such a person, confirming the WLL/Rated load of the lifter. The WLL/ rated load should not be more than 80% of the maximum load sustained during the test Test loads should not be more than 125% of the WLL/rated load

b) The load test, if made, should consist of the following operation as a minimum requirement:

1. Hoist the test load a sufficient distance to ensure the load is supported by the lifter, or apply the required load if the test is made using a test machine.

2. After the test load is released, visually inspect the lifter for deformations, cracks, or other defects.
- c) Tests of altered or repaired may be limited to the provisions affected by the alteration or repair, as determined by a qualified person.

Maintenance recommendation

- a) Maintenance Program. - The following maintenance recommendation program is complete for general purpose lifters. If a qualified person determines it is appropriate, the maintenance recommendation program should also include that individual's additional recommendations based on a review of the lifter application and operation.
- b) Maintenance Procedure
 1. The preferred maintenance procedure is to send the lifter to M&W for maintenance work to be carried out
 2. If maintenance work is to be done on site & approved by M&W then the following procedure is recommended.
 3. Before adjustment and repairs are started on a lifter, the following precaution should be taken.
 - i. All sources of power should be disconnected, locked out, and tagged "Out of Service".
 - ii. A lifter removed from service for repair should be tagged "Out of Service".
 4. Only qualified persons should perform adjustments and tests when required.
 5. Replacement parts should be only those provided by M&W
 6. After adjustments and repairs have been made, the lifter should not be returned to service until it has been inspected according to those recommendations made 4 Of S in the "Periodic Inspection" paragraph.
 7. For the sake of good order dated records of repairs and replacements should be made.
 8. Adjustment and repairs. - Any hazardous conditions disclosed by the inspection requirements in paragraph "Periodic Inspection" should be corrected before normal operation of the lifter is resumed. Adjustment or repairs should be done under the direction of, or by, a qualified person

MINIMUM INSPECTION REQUIREMENTS FOR BELOW THE HOOK LIFT DEVICES

ITEM	NORMAL SERVICE		HEAVY SERVICE		SEVERE SERVICE	
	VISUAL MONTHLY	RECORD ANNUALLY	VISUAL WEEKLY	RECORD SEMIANNUALLY	VISUAL DAILEY	RECORD QUARTERLY

				C	C	C
Frequent inspection - structural deformation, Crack, or excessive wear of any part of the lifter						
Loose or missing guards, fasteners, covers, stops or nameplates	XX		XX			
All functional operating mechanisms and automatic hold and release mechanisms for maladjustments interfering with operation						
periodic inspection - loose bolts or fasteners						
Cracked or worn gears, pulleys, sheaves, sprockets, bearings, chains or belts				XX		XX
Excessive wear of linkages and other mechanical parts						
Excessive wear at hoist hooking points and load support clevises or pins				XX		XX

A= By operator or designated person with records not required

B= visual inspection by designated person making records or apparent external conditions to provide the basis for continuing evaluation

C= as in note (B) unless external conditions indicate that disassembly should be done to permit detailed inspection

**** Machining and Welding Inc. assumes no responsibility for the misuse or missapplication of any of its products. Products are provided with the express understanding that the purchaser and user are thoroughly familiar with the correct and proper use of such products in lifting