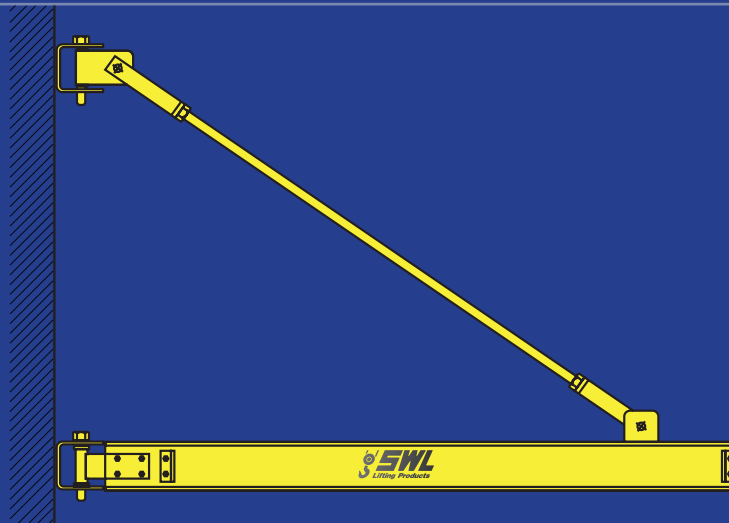




# Wall Bracket Jib Cranes

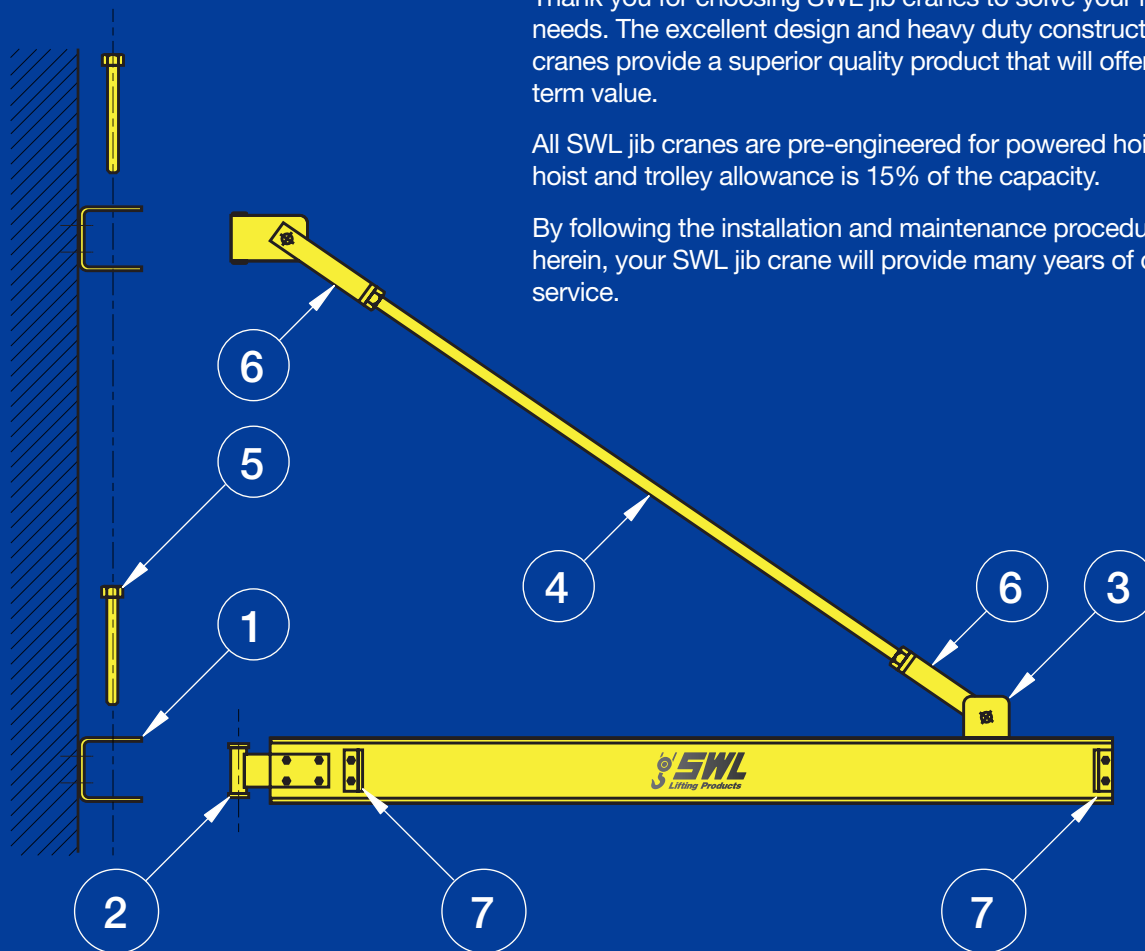
## Series WB-180



Thank you for choosing SWL jib cranes to solve your material handling needs. The excellent design and heavy duty construction of SWL jib cranes provide a superior quality product that will offer years of long term value.

All SWL jib cranes are pre-engineered for powered hoist operation. The hoist and trolley allowance is 15% of the capacity.

By following the installation and maintenance procedures described herein, your SWL jib crane will provide many years of dependable service.



1. Bolt brackets ① to structurally adequate wall or column (bolts by others - see page 3 for diameter), making sure brackets are in line and plumb through holes for bolts ⑤.

**NOTE**

Buyer and user warrants that the structure in which and to which this system or equipment is to be installed is adequate to sustain the loads that will be imposed on it by said system or equipment when it is operating as intended.

2. Bolt brackets ② and ③ to jib beam.
3. Attach tension rod ④ to clevises ⑥. Two nuts and one lock washer required for each end.
4. Raise boom assembly and attach to lower wall bracket ① using bolt ⑤ supplied.
5. Attach top end of tension rod assembly to top bracket ① and beam bracket ③ – bolts supplied.
6. Level beam by adjusting tension rod ⑦.

**NOTE**

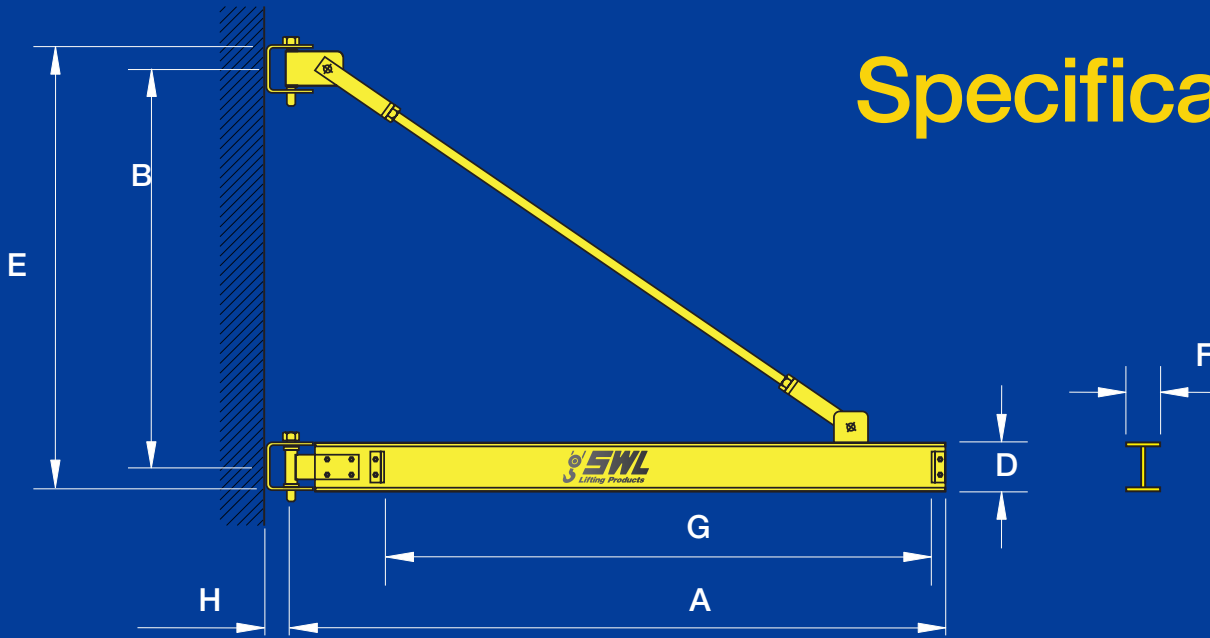
Hardware and tie rods are supplied with complete cranes or may be purchased with fitting kits (see page 2 and 3 for fitting kit, hardware kit, and tie rod Product Numbers).

**WARNING**

Equipment described herein is not designed for, and should not be used for lifting, supporting or transporting humans. Failure to comply with any one of the limitations noted herein can result in serious bodily injury and/or property damage.

# Wall Bracket Jib Cranes Model WB-180

## Specifications



Capacity [tons]	Span	Bracket Type	B Bracket Centers	D	E	F	G	H	Thrust and Pull (c) [lbs.]	Net Weight of Crane [Approx. lbs.]
1/2	8'	WB-1	2' - 9"	6"	3' - 4"	3 3/8"	6' - 10 1/2"	3 1/2"	3720	265
	10'		3' - 0"	6"	3' - 7"	3 3/8"	8' - 10 1/2"		4420	300
	12'		3' - 9"	8"	4' - 4 1/2"	4"	10' - 10 1/2"		4360	335
	14'		4' - 6"	8"	5' - 1 1/2"	4"	12' - 10 1/2"		4330	375
	16'		5' - 6"	8"	6' - 1 1/2"	4"	14' - 10 1/2"		4120	410
	18'		6' - 0"	8 1/8"	6' - 7 1/2"	5 1/4"	16' - 10 1/2"		4400	495
	20'		6' - 6"	8 1/8"	7' - 1 1/2"	5 1/4"	18' - 10 1/2"		4680	600
	22'		7' - 0"	10 1/8"	7' - 8 1/2"	5 3/4"	20' - 10 1/2"		5130	905
	24'		7' - 6"	10 3/8"	8' - 2 1/2"	5 3/4"	22' - 10 1/2"		5350	975
	26'		8' - 0"	10 3/8"	8' - 8 1/2"	5 3/4"	24' - 10 1/2"		5810	1230
	28'		9' - 0"	12 1/4"	9' - 9 1/2"	6 1/2"	26' - 10 1/2"		5680	1315
	30'		10' - 0"	12 3/8"	10' - 9 1/2"	6 1/2"	28' - 10 1/2"		6040	1710
1/2	8'	WB-1	2' - 9"	6"	3' - 4"	3 3/8"	6' - 10 1/2"	3 1/2"	7280	265
	10'		3' - 0"	8"	3' - 7 1/2"	4"	8' - 10 1/2"		8620	300
	12'		3' - 9"	8 1/8"	4' - 4 1/2"	5 1/4"	10' - 10 1/2"		8640	335
	14'		4' - 6"	8 1/8"	5' - 1 1/2"	5 1/4"	12' - 10 1/2"		8440	415
	16'		5' - 6"	8 1/8"	6' - 1 1/2"	5 1/4"	14' - 10 1/2"		8010	455
	18'		6' - 0"	10 1/8"	6' - 8 1/2"	5 3/4"	16' - 10 1/2"		8450	555
	20'		6' - 6"	10 3/8"	7' - 2 1/2"	5 3/4"	18' - 10 1/2"		8980	745
	22'		7' - 0"	10 1/2"	7' - 8 3/4"	5 3/4"	20' - 10 1/2"		9580	1065
	24'		7' - 6"	12 1/2"	8' - 3 3/4"	6 1/2"	22' - 10 1/2"		9890	1150
	26'		8' - 0"	14 1/8"	8' - 10 1/2"	6 3/4"	24' - 10 1/2"		10190	1230
	28'		9' - 0"	16"	9' - 11 1/2"	7"	26' - 10 1/2"		10320	1610
	30'		10' - 0"	16 1/8"	10' - 11 1/2"	7"	28' - 10 1/2"		10100	1710

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## Specifications (cont.)

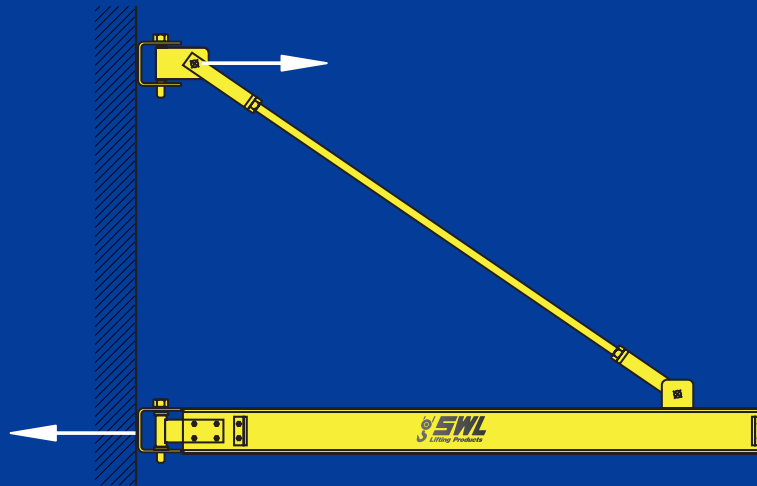
Capacity [tons]	Span	Bracket Type	B Bracket Centers	D	E	F	G	H	Thrust and Pull (c) [lbs.]	Net Weight of Crane [Approx. lbs.]
1½	8'	WB-2	2' - 9"	8"	3' - 5¼"	4"	6' - 10½"	4"	7280	265
	10'		3' - 0"	8¼"	3' - 8¼"	5¼"	8' - 10½"		8620	300
	12'		3' - 9"	8¼"	4' - 5¼"	5¼"	10' - 10½"		8640	335
	14'		4' - 6"	8¼"	5' - 2¼"	5¼"	12' - 10½"		8440	415
	16'		5' - 6"	10⅜"	6' - 3¼"	5¾"	14' - 10½"		8010	455
	18'		6' - 0"	10½"	6' - 9⅜"	5¾"	16' - 10½"		8450	555
	20'		6' - 6"	12⅜"	7' - 4¼"	6½"	18' - 10½"		8980	745
	22'		7' - 0"	12½"	7' - 10⅜"	6½"	20' - 10½"		9580	1065
	24'		7' - 6"	16⅞"	8' - 6¼"	7"	22' - 10½"		9890	1150
	26'		8' - 0"	18"	9' - 1⅞"	7½"	24' - 10½"		10190	1230
	28'		9' - 0"	18"	10' - 1⅞"	7½"	26' - 10½"		10320	1610
	30'		10' - 0"	20¾"	11' - 2½"	8¾"	28' - 10½"		10100	1710
2	8'	WB-2	2' - 9"	8"	3' - 5¼"	4"	6' - 10½"	4"	14480	375
	10'		3' - 0"	8¼"	3' - 8¼"	5¼"	8' - 10½"		17170	435
	12'		3' - 9"	8¼"	4' - 5¼"	5¼"	10' - 10½"		16790	495
	14'		4' - 6"	10⅜"	5' - 3¼"	5¾"	12' - 10½"		16590	550
	16'		5' - 6"	12⅜"	6' - 4¼"	6½"	14' - 10½"		16880	720
	18'		6' - 0"	12½"	6' - 10⅜"	6½"	16' - 10½"		16570	795
	20'		6' - 6"	14¼"	7' - 5⅞"	6¾"	18' - 10½"		17320	1000
	22'		7' - 0"	16⅞"	8' - 0⅞"	7"	20' - 10½"		18320	1420
	24'		7' - 6"	16¼"	8' - 6⅞"	7⅞"	22' - 10½"		18860	1535
	26'		8' - 0"	18¼"	8' - 1¼"	7½"	24' - 10½"		19360	1650
	28'		9' - 0"	21"	9' - 2⅝"	8¼"	26' - 10½"		18720	1760
	30'		10' - 0"	21⅞"	10' - 2⅝"	8¼"	28' - 10½"		18220	1895
3	8'	WB-3	2' - 9"	10"	3' - 6⅝"	4⅝"	6' - 10"	4"	21600	435
	10'		3' - 3"	10½"	4' - 0¾"	5¾"	8' - 10"		23550	490
	12'		4' - 0"	10½"	4' - 9⅞"	5¾"	10' - 10"		23570	630
	14'		4' - 9"	12½"	5' - 7⅞"	6½"	12' - 10"		23530	700
	16'		5' - 6"	12½"	6' - 5⅞"	6½"	14' - 10"		23510	765
	18'		6' - 3"	16"	7' - 3⅝"	7"	16' - 10"		23680	950
	20'		7' - 0"	16¼"	8' - 0¾"	7⅞"	18' - 10"		24060	340
	22'		7' - 9"	16⅞"	8' - 10¾"	7½"	20' - 10"		24140	450
	24'		8' - 6"	18¼"	9' - 7¾"	7½"	22' - 10"		24220	565
	26'		9' - 3"	21⅞"	10' - 6¼"	8¼"	24' - 10"		24310	940
	28'		10' - 0"	23¾"	11' - 4½"	9"	26' - 10"		24410	2065
	30'		11' - 0"	23⅞"	12' - 4⅝"	9"	28' - 10"		23950	2185

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# Wall Bracket Jib Cranes Model WB-180

## Specifications (cont.)

Capacity [tons]	Span	Bracket Type	B Bracket Centers	D	E	F	G	H	Thrust and Pull (c) [lbs.]	Net Weight of Crane [Approx. lbs.]
5	8'	WB-5	3' - 0"	10 1/8"	3' - 0"	5 3/4"	6' - 8 3/4"	6"	33000	780
	10'		3' - 3"	10 1/8"	4' - 3"	5 3/4"	8' - 8 3/4"		39260	860
	12'		4' - 0"	15 7/8"	5' - 3"	5 1/2"	10' - 8 3/4"		39070	940
	14'		4' - 9"	16 1/4"	6' - 0 1/8"	7 1/8"	12' - 8 3/4"		38970	1020
	16'		5' - 6"	16 1/4"	6' - 9 1/8"	7 1/8"	14' - 8 3/4"		39180	1280
	18'		6' - 3"	18 1/8"	7' - 7"	7 1/2"	16' - 8 3/4"		39150	1385
	20'		7' - 2"	21"	8' - 5 1/2"	8 1/4"	18' - 8 3/4"		39660	1755
	22'		7' - 9"	21 1/4"	9' - 2 5/8"	8 1/4"	20' - 8 3/4"		39740	1885
	24'		8' - 6"	21 3/8"	9' - 11 3/4"	8 3/8"	22' - 8 3/4"		39850	2015
	26'		9' - 3"	21 5/8"	10' - 8 3/4"	8 3/8"	24' - 8 3/4"		39960	2145
	28'		10' - 0"	21 5/8"	11' - 5 3/4"	8 3/8"	26' - 8 3/4"		40070	2690
	30'		11' - 0"	21 5/8"	12' - 5 3/4"	8 3/8"	28' - 8 3/4"		39280	2835

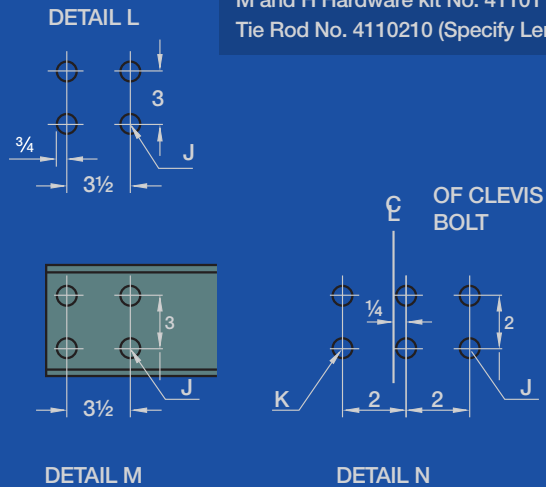


- Do not deviate from "B" dimension
- The "W" dimension indicates the size S-beam to be used. If a cap channel needs to be stitch welded to the top of the S-beam, the letter "C" will follow the S-beam size. The last number indicates the size of the cap channel.
- The diagram to the right, details the thrust and pull forces that this jib crane applies to the supporting structure when a load is lifted. The chart above details in pounds the thrust at point T and the pull at point P. It is essential that a structurally adequate wall, column or truss exist to support the jib crane.
- One tie rod required per crane. Tie rods threaded 6 inches on each end.

# Bolt Mounting Pattern

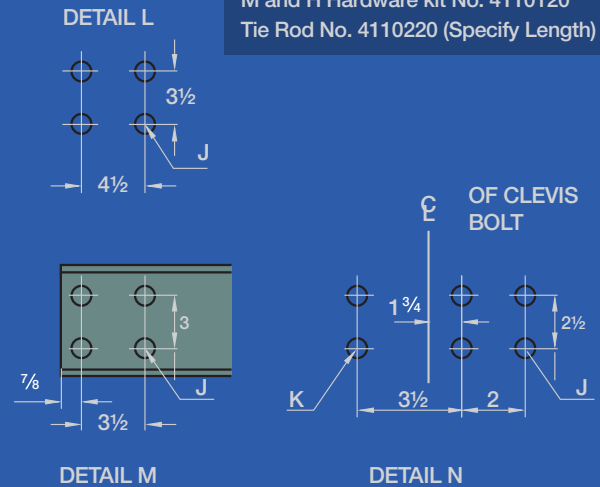
## WB-1

A = SPAN-16      E = 13½"  
 F = 3½"          G = 3½"  
 J = 5/8" bolts      K = 1/2" bolts  
 M and H Hardware kit No. 4110110  
 Tie Rod No. 4110210 (Specify Length)



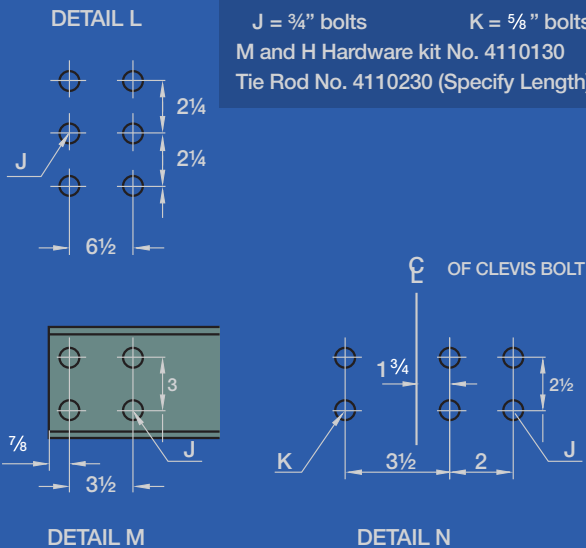
## WB-2

A = SPAN-16      E = 13½"  
 F = 4"            G = 4 1/8"  
 J = 3/4" bolts      K = 5/8" bolts  
 M and H Hardware kit No. 4110120  
 Tie Rod No. 4110220 (Specify Length)



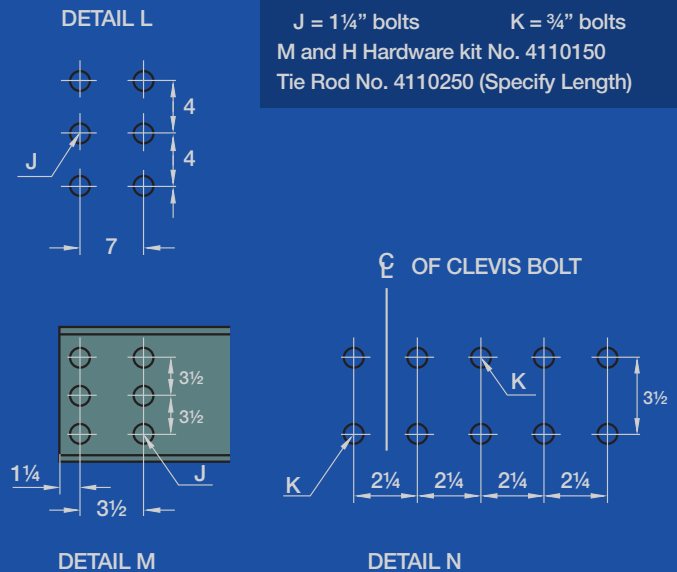
## WB-3

A = SPAN-16½"      E = 14"  
 F = 4"            G = 4 5/8"  
 J = 3/4" bolts      K = 5/8" bolts  
 M and H Hardware kit No. 4110130  
 Tie Rod No. 4110230 (Specify Length)



## WB-5

A = SPAN-17¾"      E = 15¼"  
 F = 6"            G = 7"  
 J = 1 1/4" bolts      K = 3/4" bolts  
 M and H Hardware kit No. 4110150  
 Tie Rod No. 4110250 (Specify Length)



# Suggested Maintenance

1. LUBRICATION	Renew grease in upper and lower pivot assemblies every six (6) months with Lubriplate no. 630-AA or equivalent.
2. ADJUSTMENTS	Check: Level of boom and tighten all hardware every three (3) months
3. INSPECTION	Every six (6) months perform general check



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