



Ace Luggers Hoists

A Product of
Brother's Equipment, Inc.

Four Generations of Dedicated Service

www.TheAceAdvantage.com 800-578-8471



Ace 120-RC-50 Lugger Hoist

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Over 120 Dump Angle

Body Construction

- ½" A500 Steel Side Walls
- 3/8" One Piece Steel Floor
- 3/8" Steel Plate Crossmembers
- (2) ½" Wear Strips on bed floor
- Recessed License Plate Housing & 3-Bar Cluster Light
- NO LOAD SHAFT
 - Stub Shafts for better dump angle, weight distribution, & maintenance



Lifting Capacity

- 50,000 lbs.
- 6-30 Cubic Yard Containers
- 120" Arms
- 2500 PSI
- Cylinders –All Chrome Shafts
 - 9 ½" Bore Arm Cylinders
 - 4 ½" Bore 17" Stroke Fixed Jackleg Cylinders
 - 4" Bore 2 ½" 1045 Shaft Contact Cylinder



Loading of Containers

- Arm Hinge Pins are above the bed
- Greater lifting capacity
- Container 12" above the bed
- 6-30 cu yards, largest size range of Lugger Hoist
- Level Lifting Mechanism
- 100,000 lbs. yield lift chains



Dumping the Container

- Dumps Container load in a pile instead of a line
- Over 120 Degree Dump Angle
- Higher cylinder contact point gives you the most stability when dumping
- Dumps container at least 12" above the floor





Dumping the Container

Dumping the Container

- Dumps above Lift Lugs
- Provides more control over container
- Prevents damage that leads to leaking
- Dumps higher above bed
- Higher Dump Angle



Dump Keys

- Dump keys are integrated with chains and lift keys
- Dump Keys is always in correct position for dumping
- No repositioning of container to dump
 - No more slamming on brakes for proper position
- Contact cylinder do not slide on dump key
- Safe, stable, and reliable



Lugger Container Cargo Securement

- Only Lugger Body to comply with CVSA U.S. Title 49 Code of Federal Regulations (CFR) §393.134 WITHOUT ADDITIONAL STRAPS OR CHAIN
- Option 1 (As Seen CVSA Inspection Bulletin)
 - Less Hassle
 - Less Chance of Injury
 - D.O.T Compliant

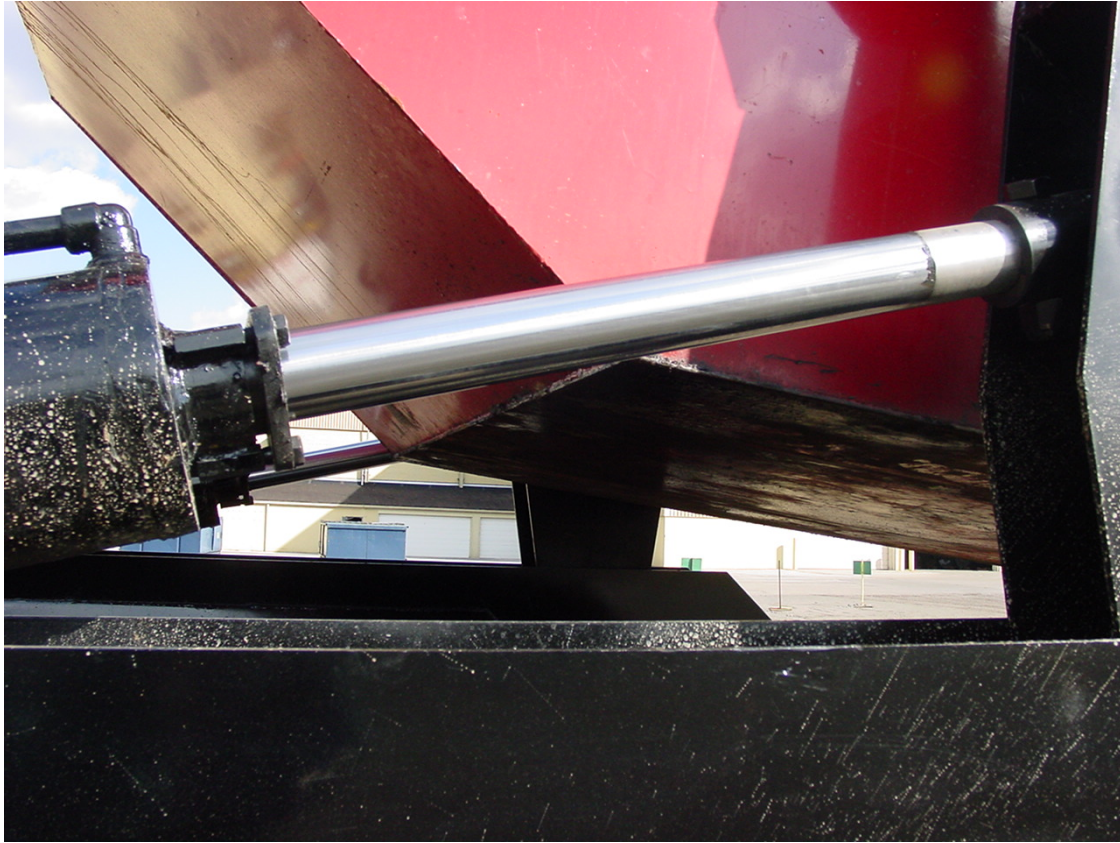


Outrigger Cylinders

- Fixed Outrigger Cylinders
- Fully Contained & Protected
- Reinforced Cylinder Sleeve Prevents Cylinder from moving
- Less chance of damage
- Easier for maintenance
- Access Panel for Easy Access



Arm Cylinders



Arm Cylinder

- All Welded Construction
- 100,000 lbs. Yield 3 ½" Chrome Shaft
- Heavy duty reusable packing box- External
- HD Drop pin crossheads- stronger than threaded head
- 3" Pins with grease fittings
- 9 ½" Bore, ½" wall
- 153,000 lbs. of lifting capacity per cylinder





Arm Construction

- One Piece ½” Plate Arms
 - Competition uses a two-piece arm. The seam separates over time.
- Square Top
 - Less likely to take damage
- All Hoses
 - Nylon Covered
 - Inside arm
 - Prevents Damage from usage and elements
- NO CAPS & SCREWS
 - Bottom Of Arm is solid welded construction. Drop Pin connection.
- Extends Parallel to Ground
 - More range of motion



- 67% gain of distribution of load over front axle
- Better weight distribution than any other Luger Hoist on the market
- Ace's Design brings the container farther forward on the body.

Container Distribution

Features

- Step Material on Driver & Passenger Side
- Truck Frame Mounted Oil Tank
 - Easier to see, fill & maintain
 - If hose breaks, oil will flow back to tank
- Heavy Duty Tie Downs
 - No Clamp Bolts
 - Steel Tie Down Plates Welded to Frame
 - Rear End Welded to truck frame



Cab Protector

- 4"x4"x3/8" Angle Iron
- Sunken Beneath Floor & welded to main frame
- 45 Degree Angle for preventative protection from container sliding into cab.



Maintenance

- Access Panels
 - Front- Valve Body Access
 - Rear- Hydraulic & Electrical Lines
 - Outriggers
- Dump Pins
 - Snap Ring for easy seal and shaft repair.
 - Half the cost of having rebuilt
- All Hoses
 - Nylon Covered to prevent injury
- All Hinges are 3" Greaseable Steel Pins



Longevity

- Nothing lasts longer than an Ace
- Ace has units still in service that are over 50 years old.
- This unit is a 1962 Ace Luger on the 8th Chassis





Thank You For Your Interest!

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