



Truck Accessories

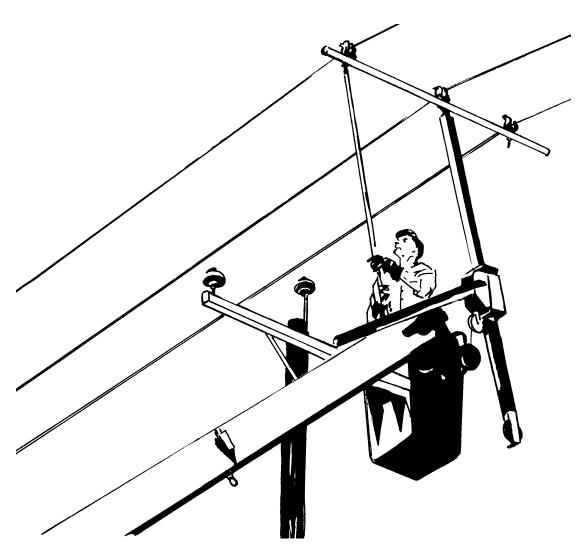
Warranty - Material

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4152 CHANC



Three-Phase Boom Lifts

- Jib-mounted
 Winch-driven
- Constant-load monitor
 1,200-lb. rating*

Hot-line tool set enables a material-handler boom truck to lift single- or three-phase system conductors. Operator remains in the bucket, positioned to perform such routine jobs as replacing insulators, crossarm or pole

Available in eight sleeve sizes to fit on boom truck jibs listed on page 4153, each complete unit includes:

> 10' Vertical orange Epoxiglas® mast (4" x 4") and

10' Horizontal gray Epoxirod® support arm (2½' dia.) with four Heavy-Duty Roller-type Wireholders

for conventional crossarm construction and

6' Horizontal gray Epoxirod support arm (2½" dia.) with one additional Wireholder for center mast

for armless construction and

Storage bags for all components above.





Wireholders latch easily from bucket with hookstick. 12" Epoxirod link insulates each latch-release lanyard.





For crossarm construction: 10-foot arm attaches at mast top. Fourth wireholder furnished for crossarm-mounted neutral, not shown.

For armless construction: 6-foot arm attaches at proper level on series of mounting holes on mast.

Maximum Ratings, all units

Vertical load per wireholder: 300 lb. *Balanced vertical load: 1,200 lb., includes tool itself



Center wireholder, used alone, permits single-phase lifts.

> See the next page for Ordering Information.

Jib Sleeve, available separate and in other sizes

Truck Accessories – 4150



Winch line connects to mast base to raise conductors and provide working clearances for operator.



Boom adapter can pin at various angles. Built-in scale continuously monitors load uplift. Nylon rollers ensure smooth mast travel.





Three-Phase Boom Lifts

Complete Units

Each complete unit includes a jib sleeve in size listed in addition to:

> 10' Vertical orange Epoxiglas® mast (4" x 4") and

10' Horizontal gray Epoxirod® support arm (2½'' dia.) with four Heavy-Duty Roller-type Wireholders for conventional crossarm construction

6' Horizontal gray Epoxirod support arm (2½" dia.) with one additional Wireholder for center mast for armless construction

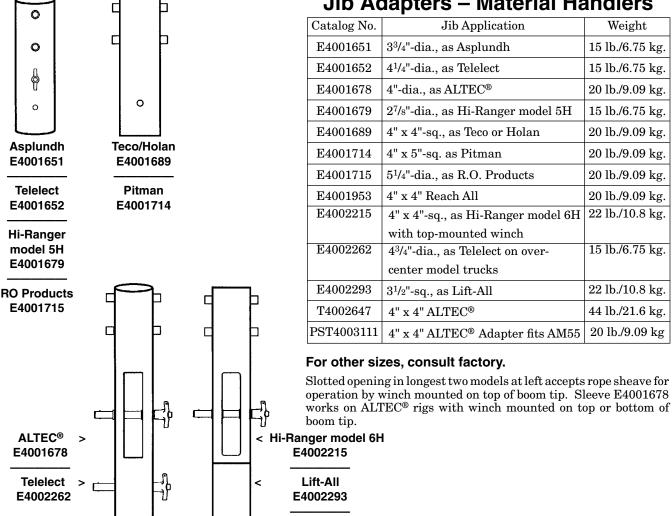
and Storage bags for all components above. Weight each: 225 lb. / 102 kg.

Catalog No.	Truck Application
C4001612	Asplundh: 3³/₄"-dia. jib
C4001613	Telelect: 4¹/₄"-dia. jib
C4001664	ALTEC®: 4"-dia. jib
C4001677	Hi-Ranger model 5H*: 2 ⁷ /s"-dia. jib
C4001709	Teco or Holan: 4" x 4"-sq. jib
C4001710	Pitman: 4" x 5"-sq. jib
C4001711	R.O. Products: 51/4"-dia. jib
C4002719	No Jib Sleeves included. See below for correct size.

^{*}For Hi-Ranger model 6H with top-mounted winch, order E4002215 Jib Sleeve, listed below.

Jib Sleeves ONLY-

Jib Adapters - Material Handlers



Reach-All E4001953



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Boom Mounted Auxiliary Arm Square Mast

The 4" x 4" mast is fitted with a quick mounting assembly which attaches to booms from $5^7/_8$ " x $7^3/_8$ " to 12" x 12", both square and rectangular. The working end of the mast will accept several accessories such as an Epoxiglas® Auxiliary Arm, single lifting wire holder or a sheave for gin work.

The Auxiliary Arm may be swiveled to and locked into any desired position. The single lifting wire holder may also be swiveled to maintain conductor alignment.

The gin sheave will not swivel and is pinned stationary to keep the plane of the sheave in the vertical position at

For use above 15kV, add M48057 insulator to each wireholder; see Page 4155.



For three phase applications. The auxiliary arm may be rotated to align the wire holders with the conductors, then locked in position.



Easy mounting with our two intermeshing castings with single pivot stud.



C4000747 Wireholder

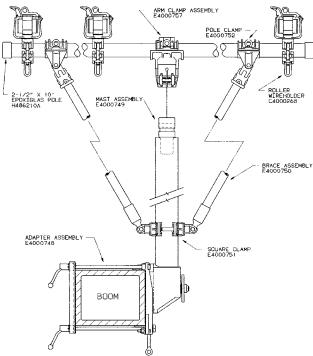
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The single lifting wire holder may be rotated for alignment with the conductor.

Max. Side load per Wireholder: 100 lb. Max. Vertical Load per Wireholder C4000268: Arm Length With Braces 10' 200 lb.

Mechanical Rating **Balanced Vertical Load** Unbalanced Vertical Load 1000 lb. 800 lb.





OPTIONAL ADAPTER for Round Booms, see pages 4163 & 4164



Sheave The sheave will take a 3/4-



inch diameter rope. The maximum load for the gin is 800 lb.

T4001658 **Conductor Hook**

Jib-mount hook accepts conductor through 11/4" diameter.

Catalog		
No.	Description	Weight
C4000744	Mast Assy., 10' Arm & Braces	130 lb./58.5 kg.
	for Booms 5 ⁷ / ₈ " x 7 ³ / ₈ " to 12" x 12"	
C4000745	Mast Assembly without Arm	90 lb./41 kg.
C4000746	Rope Sheave Assembly	8 lb./ 3.6 kg.
C4000747	Single Wire Holder	13 lb./ 5.9 kg.
T4001658	Conductor Hook for 3" jib (Altec®)	3 lb./1.35 kg.
C4001469	9"-dia. Boom Adapter (Altec®)	40 lb./18 kg.
C4001877	8"-dia. Boom Adapter (Altec®)	40 lb./18 kg.



C4000351

H486310 with Braces

Boom Auxiliary Arm

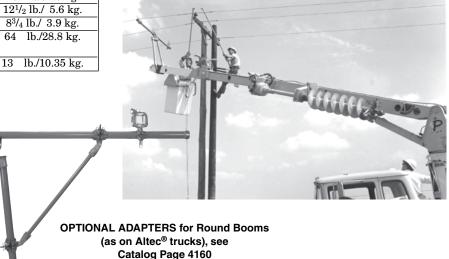


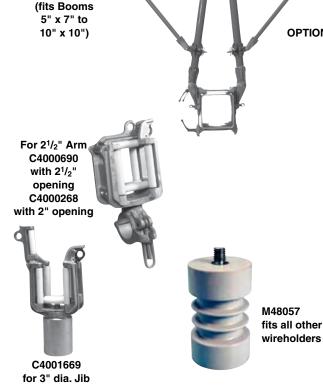
The Auxiliary Arm consists of a boom mast and arm of Epoxiglas® construction for mounting on an insulated boom such as the Pitman Polecat®. The arm is designed for use on light construction when handling multiple conductors. The two-legged mast can be mounted on square or rectangular shaped booms designed to handle 2,000 pounds or more. If boom units of lesser ratings are employed, the lifting and maneuvering application of this unit must be reduced accordingly.

2¹/₂" x 10' Horizontal Arm

Mechanical rating for a balanced vertical load is 1,000 pounds maximum or a limit of the boom arm in the position used, whichever is the least. The 10' arm, recommended for use with braces only, is rated at 200 pounds per conductor holder

Chance C4000268 roller wireholders are used on the Boom Auxiliary Arm and Mast. Each wireholer is rated for 100 lb. max. side load.











AUXILIARY ARM ATTACHMENTS

Fork type wireholders — with 1" or $1^{1}/2$ " opening, counter balanced latch which closes automatically behind the conductor to hold it in the wireholder. Complete with $2^{1}/2$ " pole clamp.

C-Type Wireholder — For rubber glove work, the Chance "C"-type Wireholder is suspended for a $2^{1/2}$ " diameter temporary crossarm above the conductor as a hook to receive the conductor after it is untied.

Roller Wireholder — Seven Delrin plastic rollers offer protection to conductors while raising the conductor above the work area. Accommodates conductors up to and including $1^{1}/2$ inches in diameter. The gate is held closed by a spring-loaded latch which must be manually opened.

Insulators— Epoxy based, available as separate items or can be added to existing auxiliary arm wireholders to upgrade for 34.5 kV use.

Catalog		
No.	Description	Weight
E4000008P	1 ¹ / ₂ " Fork Wireholder, no Insulator	2 ¹ / ₂ lb./1.1 kg.
M480515	1" Fork Wireholder, with Insulator	$5^{1}/_{2}$ lb./2.5 kg.
M480517	1" Fork Wireholder, no Insulator	2 lb./ .9 kg.
M480516	C-Type Wireholder, no Insulator	2 ¹ / ₂ lb/1.1 kg.
C4000690	Roller Wireholder, no Insulator	$4^{1}/_{2}$ lb/2.0 kg.
C4000268	Roller Wireholder, no Insulator	4 ¹ / ₂ lb/2.0 kg.
M48057	Epoxy Insulator, 7/16" threads	1 ¹ / ₄ lb./0.55 kg.



M480516

Catalog No.

4156 CHANCE®

Boom-Mounted Auxiliary Armwith Load-Monitor System



Continuous load readout, audible alarm

Load-Monitor System built into lower end of the mast measures and displays the weight of load being lifted, including the Auxiliary-Arm assembly itself. An audible alarm warns truck operator and others nearby should a preset working load be exceeded. Complete operating and maintenance instructions are furnished with each unit.

Typical application enables lifting a three-phase set of conductors out of the way while a pole, crossarm or other equipment is replaced or repaired. Meter permits operator to check the actual load throughout operation. This can be of extreme importance since these conductor loads are difficult to estimate and vary with conductor sizes and tensions, pole spans and terrain geometry. By helping to alert operators to potential overloads, the load-monitor system can help avoid damage to trucks and other equipment while also adding to personnel safety.

Note that mast base casting has "teeth" on both sides so it can be mounted either way around on the boom for optimum visibility of the meter by the operator.

Choice of boom adapters, scales, options

Available to fit either round or rectangular booms, both come with hydraulic load gauge scale graduated in either English pounds or metric kilograms.

Optional accessories include a single wireholder and a conductor hook for use on the end of the mast. A rope-sheave assembly also fits the mast for use as a gin. Single wireholder may be swiveled as needed. Hook swivels, but its base pins for control. Sheave pins to keep it aligned in a vertical-plane.

Load Ratings (mast unit only)
Max. balanced vertical load: 1,000 lb. (454 kg.)
Max. side load: 100 lb. (45 kg.) or 30% of actual vertical load if less

Ordering Information

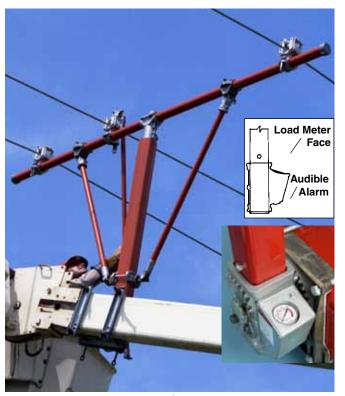
Each Auxiliary Arm listed below comes complete with: Appropriate boom adapter, 70" mast assembly, braces, 10' arm and three wireholders with 2" opening.

Weight

Description

	*	
For Square/Rectangular Booms 5 ⁷ / ₈ " x 7 ³ / ₈ " to 12" x 12":		
C4001821E	English scale Auxiliary Arm	135 lb./60.75 kg.
C4001821M	Metric scale Auxiliary Arm	135 lb./60.75 kg.
For Round Booms 9" in Diameter (as Altec):		
For R	ound Booms 9" in Diameter ((as Altec):
	ound Booms 9" in Diameter (English scale Auxiliary Arm	,
C4001950E		135 lb./60.75 kg.

C4000746	Rope Sheave Assembly	8 lb./3.6 kg.
C4000747	Single Wireholder	13 lb./5.9 kg.
T4001658	Conductor Hook for 3" jib	3 lb./1.35 kg.
E4000748	Sq./Rect. Boom Adapter only	40 lb./18 kg.
C4001469	9"-dia. Boom Adapter only	40 lb./18 kg.



Insulated 4" x 4" vertical mast, 21/2"-diameter horizontal arm and braces are of foam-center Epoxiglas® construction. Auxiliary arm may be swiveled and locked at any position. Test button near the meter face checks the alarm and its 9-volt battery's condition.





Square/rectangular and round boom adapter attachments.



Sheave for ³/₄" rope; 800 lb. max. load



Single wireholder, 2¹/₂" opening



Hook accepts 11/4"-dia. max. conductor; also fits on 3" jib







Swivel-Base Truck Mount

for 12V, 115V, 230V & Hydraulic 1,000-lb. Series 90 Capstan Hoists

NOTE: For Hitch-Receiver Mount, see Catalog Section 1150

Sets at angles needed for variety of jobs

Turntable design permits proper alignment without repositioning service vehicle. Heavy-gauge steel base bolts direct to truck body wherever convenient.

Bracket can be pinned at every 15° interval around circular base for stringing, tensioning, sagging conductors; pulling in cable; hoisting equipment; setting poles; pulling vehicles.

WARNING

This is not a personnel lifting device. A label on the unit warns against lifting people or loads directly above people.

To store hoist on C-bracket, simply remove four bolts. The C-bracket also can be bolted down for fixed-angle.

Utilize truck as portable power source

Only 12V, 115V, 230V and Hydraulic 1,000-lb.-rated hoists are recommended for truck mounting. See page 1153 to order.

For transport,





Swivel Bracket C3080903

Swivel Bracket only

C-Bracket C3080890

Catalog No.	Weight, each
C3080903	18 lb. (8.1 kg.)

C-Bracket only — o	complete with mounting bolts
C3080890	5 lb. (2.25 kg.)





hoist can remain mounted.



Weather Shield for 12-Volt DC hoist only complete with band clamp

C3080909	1 lb. (0.45 kg.)

Truck Visual Barrier





T3060006

This kit serves as a visual barrier to alert workers and onlookers to stay away from the truck when the truck is being used in proximity of energized conductors. Six rods, made of bright-orange Epoxirod®, provide a 6-foot air space around the entire perimeter of the truck. The kit also includes six pieces of 3-inch long steel tubing (to be welded to truck by the customer) to hold the barricade rods, 150 feet of yellow rope, and a canvas storage bag. The entire kit requires less storage than traffic cones and can be quickly installed and removed at each job site.

Catalog No.	Description	Weight
T3060006	Truck Visual Barrier	21 lb./9.5 kg.



Truck Grounding Set

Convenient set provides means to drain off capacitance or static charges from winch trucks and aerial devices. This grounding method should not be considered adequate protection to personnel against conductor contact. Complete set comprises components selected for their task-specific designs:

Screw Ground Rod

(Catalog No. G3370)

When installed 6-ft. copper-clad rod develops less resistance than straight ground rods. Helix (spiral section), T-handle and wingnut are bronze for high conductivity.

Flat Face Ground Clamp

(Catalog No. T6001798)

For secure attachment to the truck bed at an area cleaned for electrical contact, clamp features bronze T-handle, aluminum body and serrated jaws with range for 1/8" to 11/2" angles or flats. Ratings: 400 amps continuous current; 25,000 amps fault current for 15 cycles and 30 cycles.

C-Type Ground Clamp

(Catalog No. C6001754)

For connection to vertical shaft of ground rod, clamp features smooth jaws and bronze eyescrew. Ratings: 350 amps continuous current; 28,000 amps fault current for 15 cycles and 20,000 amps fault current for 30 cycles.

Grounding Cable and Ferrules

(Catalog No. S6116 & C6002618)

For easy handling, extra-flexible #2 copper cable features fine stranding and tough yellow T-prene rubber compound jacket for all-temperature uses down to -20°F. Cable length is 50 feet. Two shrouded aluminum ferrules come factoryinstalled on the cable to secure the threaded studs in the clamp terminals.

Storage Reel

(Catalog No. C4176086)

To help keep ground set clean and ready for use, reel features tubular-steel frame which can be bolted to deck. Reel is for storage only. Cable and clamps must be removed completely from reel before use. Failure to do so could result in a dangerous voltage drop and violent mechanical reactions. A label on the unit gives this warning.



ORDERING INFORMATION

Catalog No.	Description	Weight
T6001971	Truck Grounding Set	35 lb./15.75 kg.

Swivel Wireholder Jib Extensions for Telelect trucks*

Feature a Large Swivel-Type Roller Wireholder with 2½" x 3\%" opening mounted on 3" diameter orange Epoxiglas® jib extension.

Tested per ASTM F711 and OSHA.

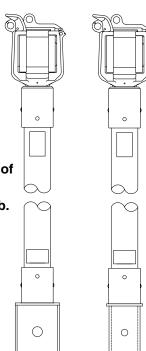
3" Heavy Wall Epoxiglas® Pole with 31" of clear glass (minimum).

Jib Extension Rated Working Load: 300 lb.

ORDERING INFORMATION

Catalog No.	Fits Jib Size	Weight
PST4002818	4" x 4"	28 lb. / 12.72 kg.
PST4002819	3 ³ / ₈ " x 5"	29 lb. / 13.2 kg.
PST4002820	3" Round	27 lb. / 12.3 kg.
PST4002821	41/2" Round	28 lb. / 12.72 kg.

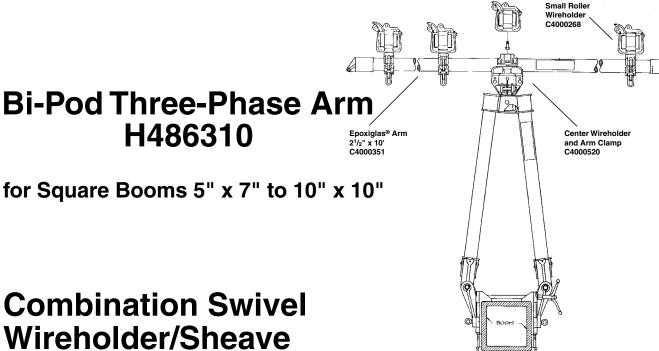
*To fit other brands of trucks, contact Hubbell Power Systems with detailed specifications.



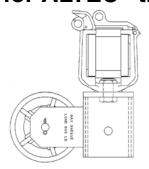


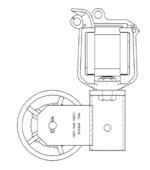


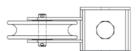




Combination Swivel Wireholder/Sheave for ALTEC® trucks*







for ALTEC® trucks* with 4" x 4" square jib Cat. No. T4002530 (23 lb. / 10.43 kg.)

for ALTEC® trucks* with 3" diameter jib Cat. No. T4002529 (23 lb. / 10.43 kg.)

By design, each unit eliminates changeovers from Wireholder (for picking up a phase conductor) to Rope Sheave (for lifting items). Each combination unit attaches directly to the jib.

WARNING: ELECTRIC SHOCK HAZARD. Winch rope can conduct electricity from this device to metal parts on the bucket support. Can cause electrocution death or severe injury. Always remove winch rope from this device when the wireholder is used to support an energized conductor.

Rated Working Load: 800 lb.

Both units feature a Large Swivel-Type Roller Wireholder with $2\frac{1}{2}$ " x $3\frac{3}{8}$ " opening and a 7"-diameter Sheave to accept up to 3/4"-diameter rope.

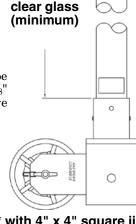
Combination Swivel Wireholder/Sheave Jib Extension

for ALTEC® trucks*

By design, unit eliminates changeovers from Wireholder (for picking up a phase conductor) to Rope Sheave (for lifting items). Includes 3"-diameter heavy-wall jib.

Rated Working Load: 800 lb.

Features a Large Swivel-Type Roller Wireholder with 2½" x 3¾" opening and a 7"-diameter Sheave to accept up to 3/4"-diameter rope.



31"

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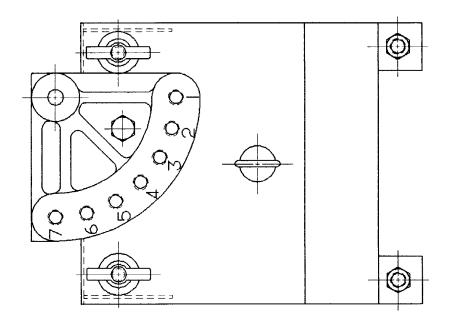
for ALTEC® trucks* with 4" x 4" square jib Cat. No. PST4003059 39 lb. / 17.7 kg.)

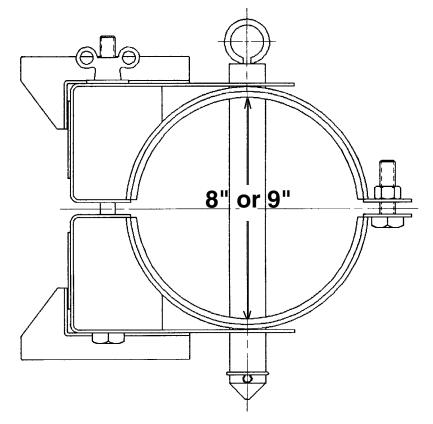
*To fit other brands of trucks, contact Hubbell Power Systems with detailed specifications.



Boom Adapters for ALTEC® trucks C4001467 for 9"-diameter booms C4001878 for 8"-diameter booms

(for use with Bi-Pod assembly in H486310 Three-Phase Arm)







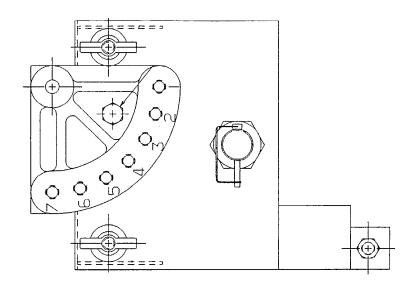


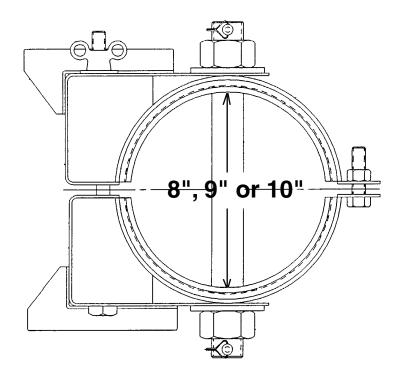
Boom Adapters for ALTEC® trucks

with 8" slide pad on reinforcement collar

T4002486BI for 10"-diameter booms C4002393 for 9"-diameter booms C4002392 for 8"-diameter booms

(for use with Bi-Pod assembly in H486310 Three-Phase Arm)

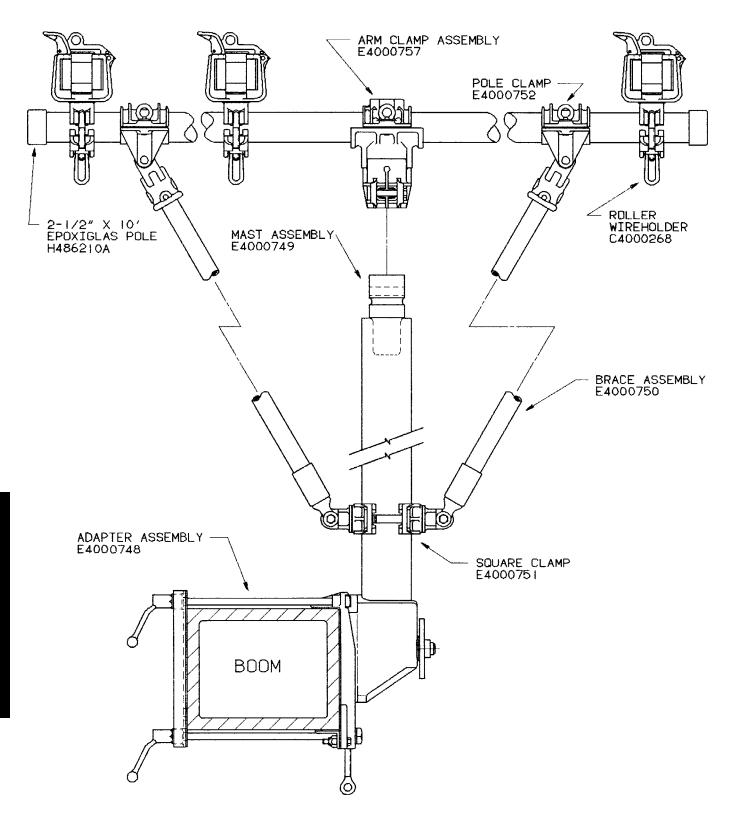






Three-Phase Boom Assembly C4000744

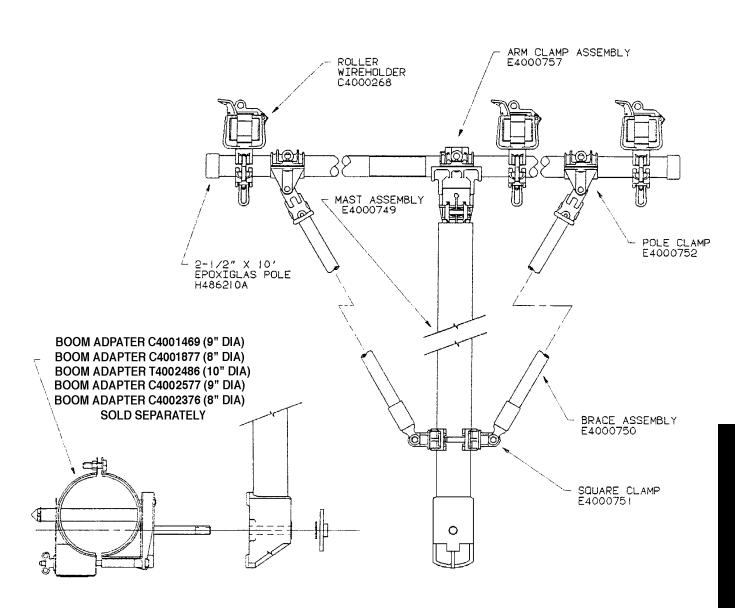
(for Square Booms 5" x 7" to 10" x 10")







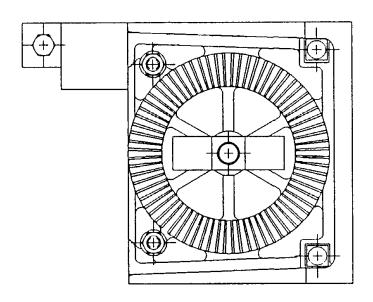
Three-Phase Boom Assemblies for ALTEC® trucks T4001753 w/o Boom Adapter

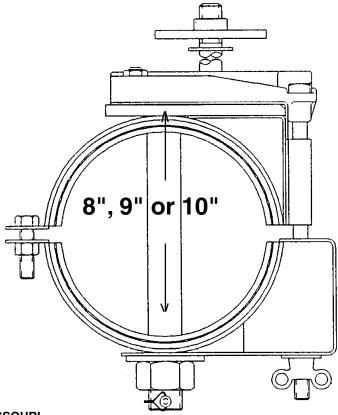




Boom Adapters for ALTEC® trucks with 8" slide pad on reinforcement collar T4002486 for 10"-diameter booms C4002377 for 9"-diameter booms C4002376 for 8"-diameter booms

(for 4" x 4" mast in T4001753 Three-Phase Boom Assembly)



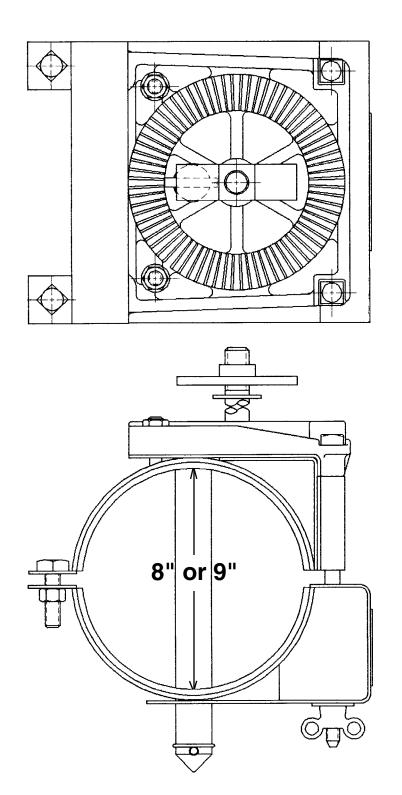






Boom Adapters for ALTEC® trucks C4001469 for 9"-diameter booms

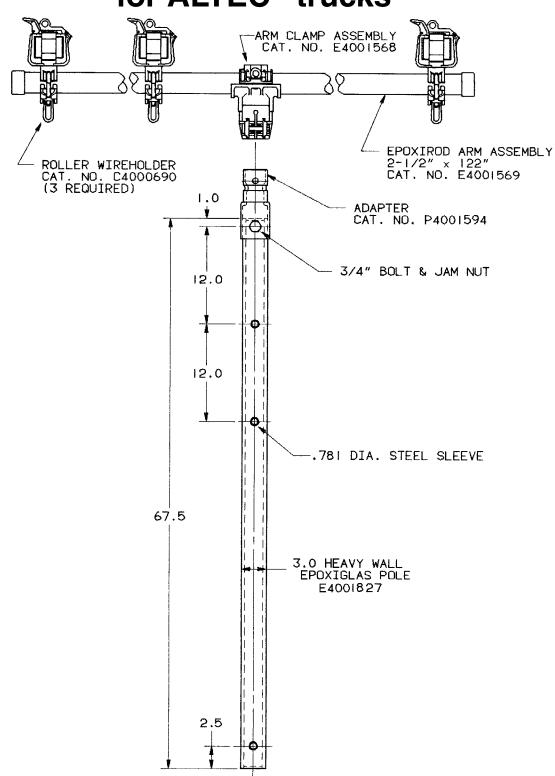
C4001877 for 8"-diameter booms (for 4" x 4" mast in T4001753 Three-Phase Boom Assembly)







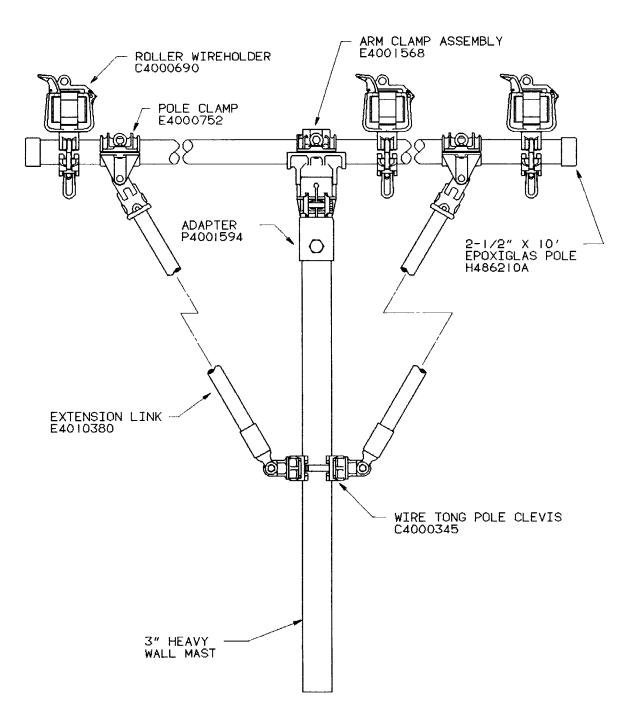
Auxiliary Arm T4001824 with 3"-diameter mast for ALTEC® trucks





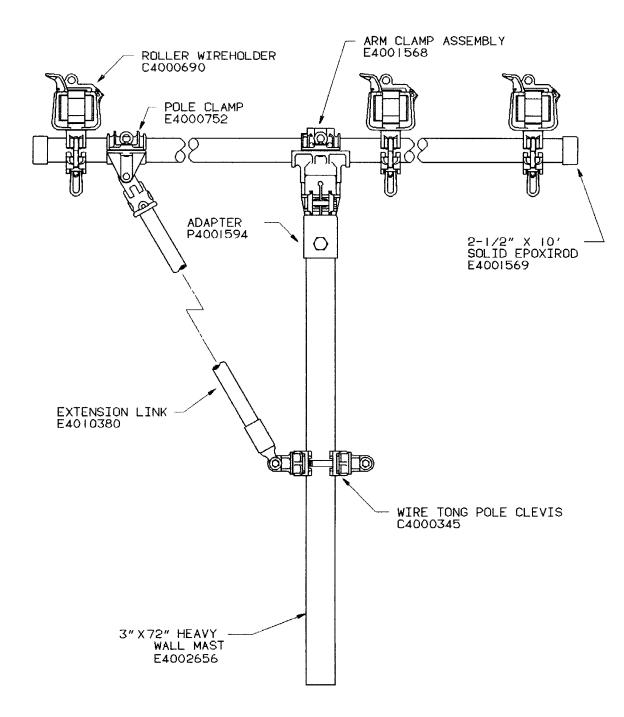


Auxiliary Arm T4001854 with 3"-diameter mast & Epoxiglas® pole for ALTEC® trucks





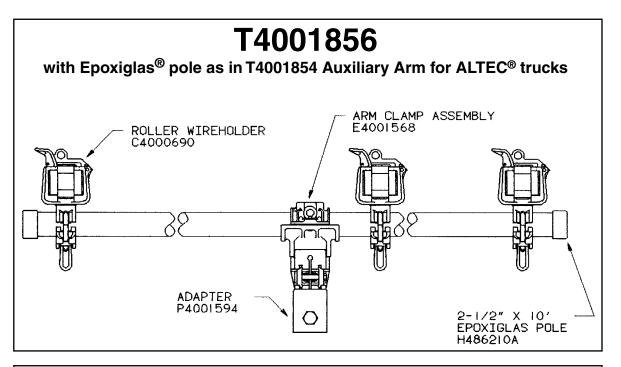
Auxiliary Arm T4001855 with 3"-diameter mast & solid Epoxirod® pole for ALTEC® trucks

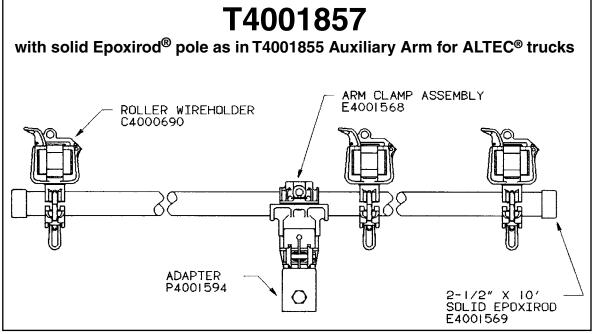






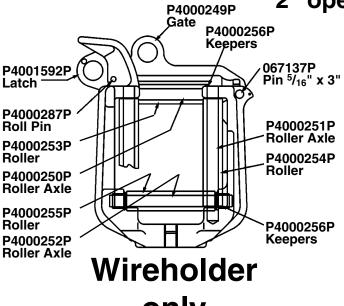
Support Armswith fitting for 3"-diameter mast



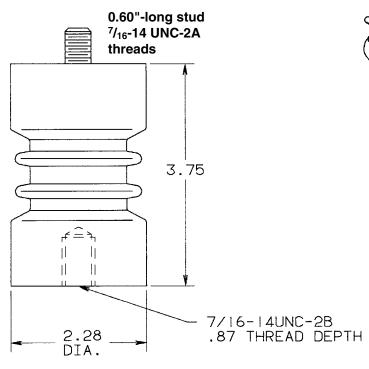




Small Roller Wireholder 2" opening

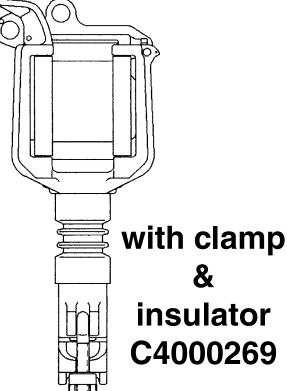


only C4000270



Epoxy insulator M48057



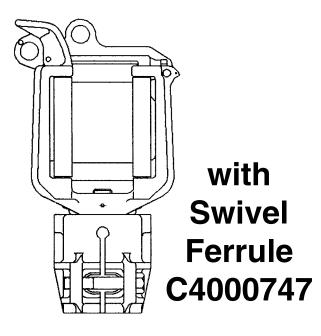


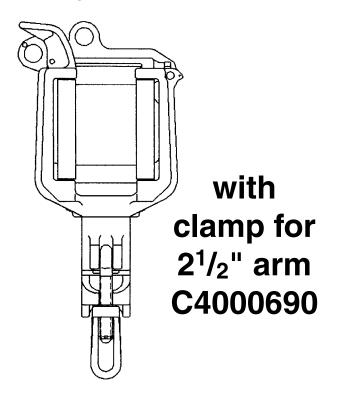
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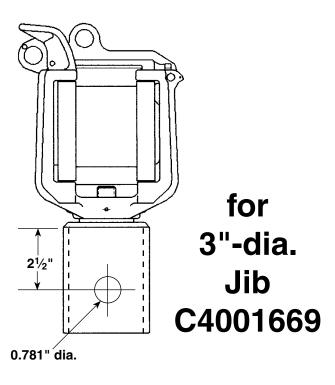


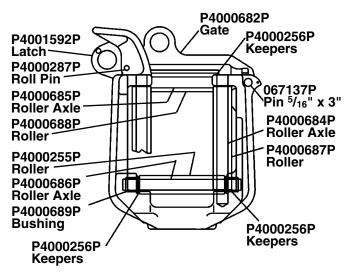


Large Roller Wireholder 21/2" opening





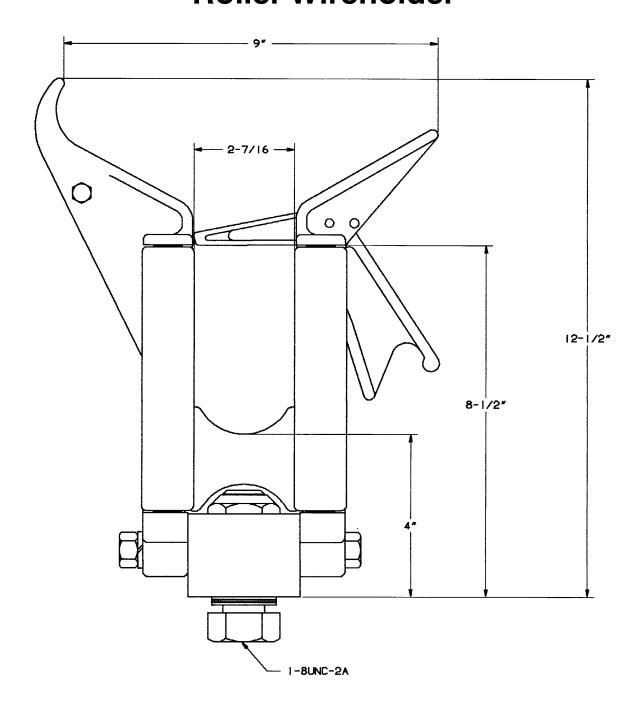




Wireholder only C4000691



Heavy-Duty Roller Wireholder

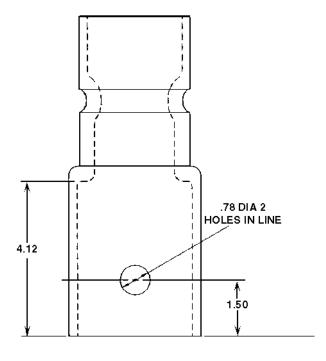


M48061

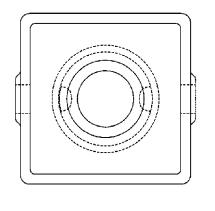


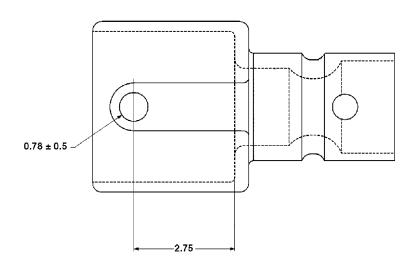


ALTEC® Jib Adapter: 3" Round — P4001594P



ALTEC® Jib Adapter: 4" x 4" Square — P4002536P

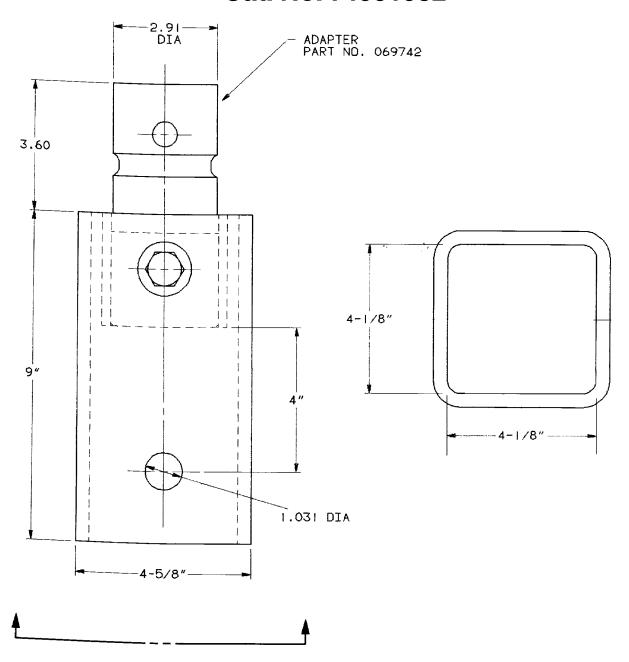








Hi-Ranger Jib Adapter Cat. No. T4001932



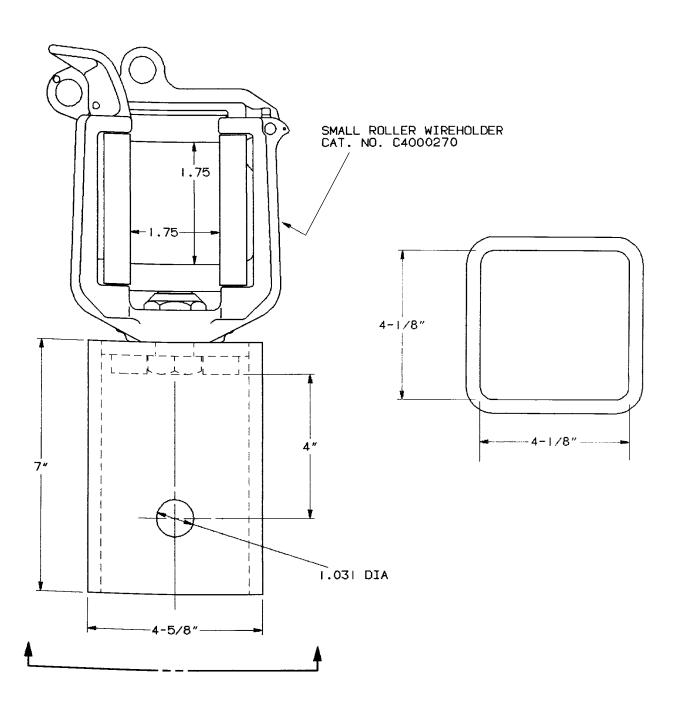
FOR USE WITH CHANCE

T4001856	Support Arm	OEM 3.9
T4001857	Support Arm	OEM 3.9
C4000746	Rope Sheave Assembly	OEM 4.2
T4001658	Conductor	OEM 4.3
C4000747	Large Roller Wireholder	OEM 4.8





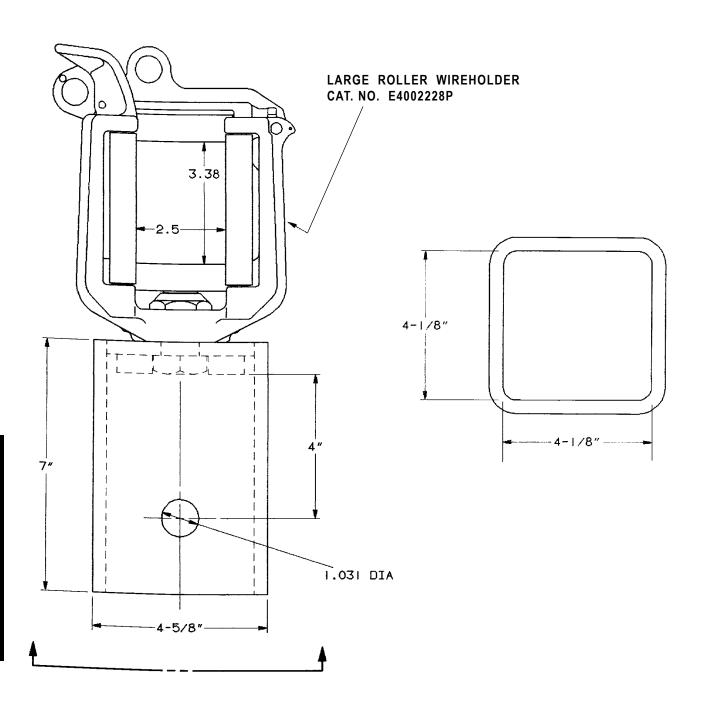
Small Roller Wireholder with Hi-Ranger Adapter Cat. No. T4001931







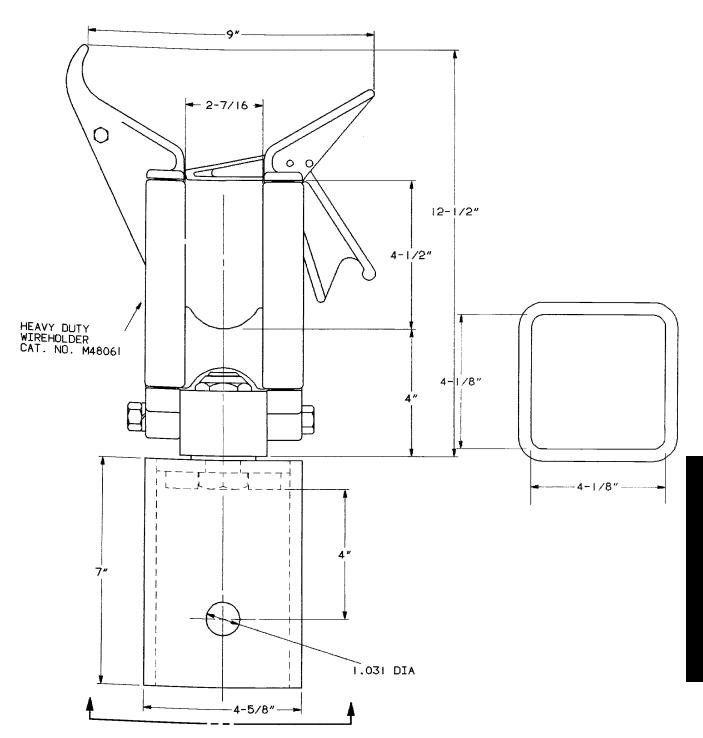
Large Roller Wireholder with Hi-Ranger Adapter Cat. No. T4001929







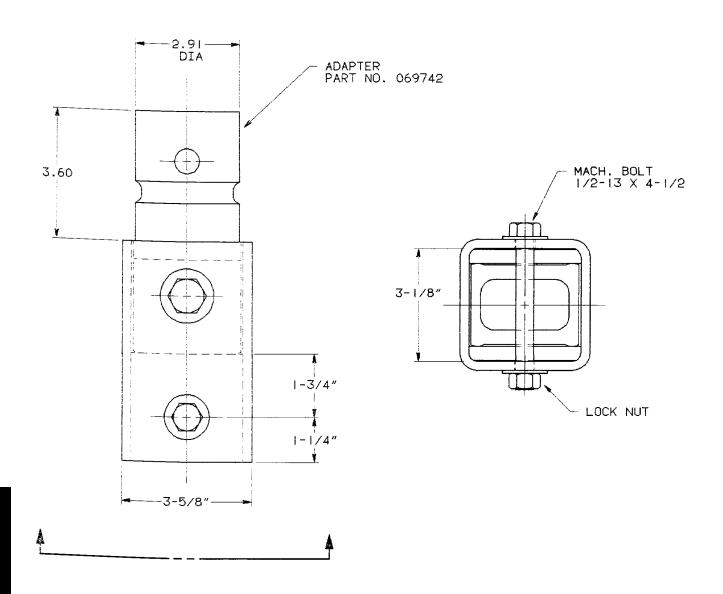
Heavy-Duty Roller Wireholder with Hi-Ranger Adapter Cat. No. T4001930







Holan Jib Adapter Cat. No. T4001927



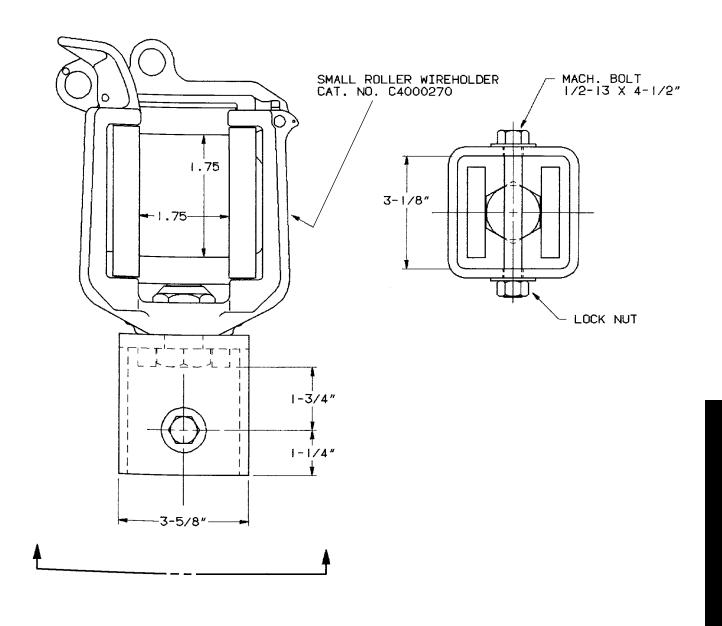
FOR USE WITH CHANCE

T4001856	Support Arm	OEM 3.9
T4001857	Support Arm	OEM 3.9
C4000746	Rope Sheave Assembly	OEM 4.2
T4001658	Conductor	OEM 4.3
C4000747	Large Roller Wireholder	OEM 4.8





Small Roller Wireholder with Holan Adapter Cat. No. T4001945

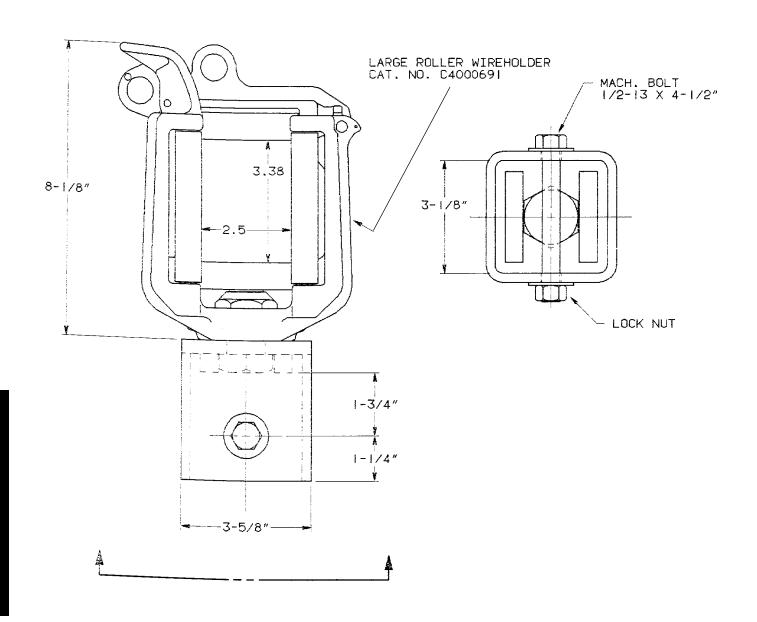








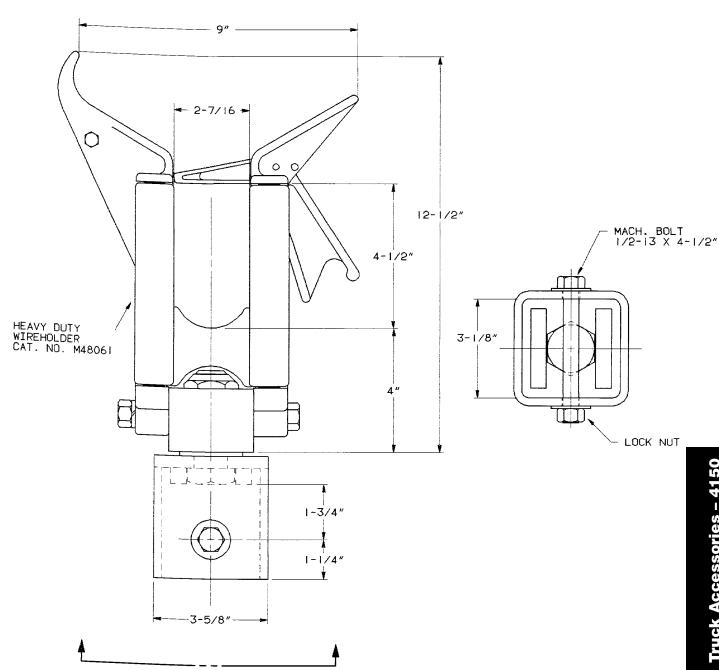
Large Roller Wireholder with Holan Adapter Cat. No. T4001926





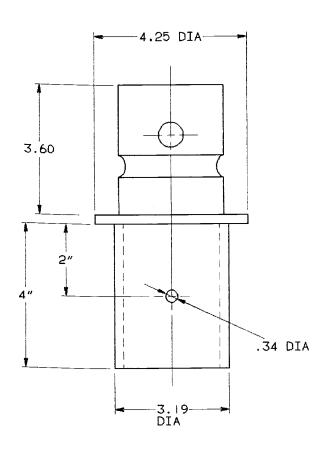


Heavy-Duty Wireholder with Holan Adapter Cat. No. T4001912





Telelect Jib Adapter Cat. No. T4001946



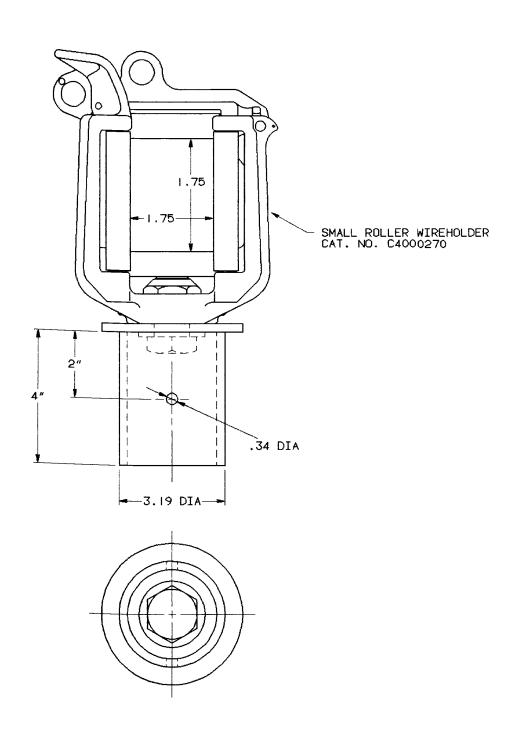
FOR USE WITH CHANCE

T4001856	Support Arm	OEM 3.9
T4001857	Support Arm	OEM 3.9
C4000746	Rope Sheave Assembly	OEM 4.2
T4001658	Conductor Hook	OEM 4.3
C4000747	Large Roller Wireholder	OEM 4.8





Small Roller Wireholder for Telelect Jib Cat. No. T4001941

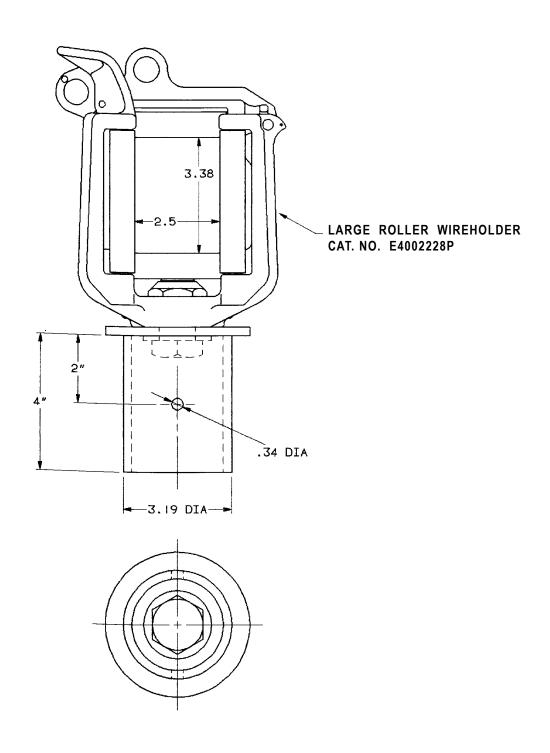








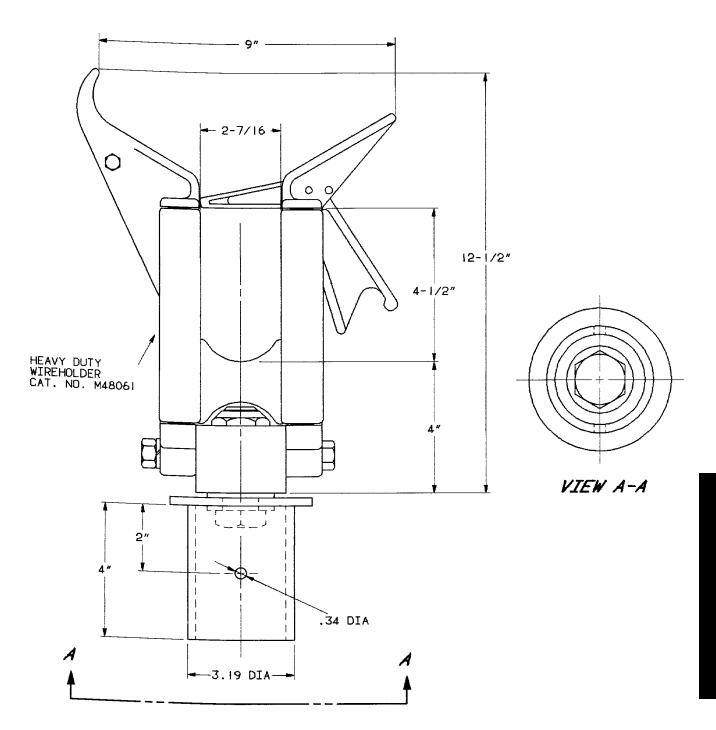
Large Roller Wireholder for Telelect Jib Cat. No. T4001942





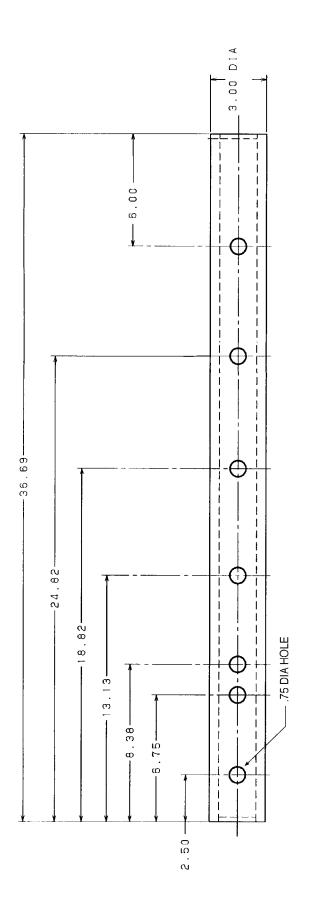


Heavy-Duty Wireholder for Telelect Jib Cat. No. T4001943

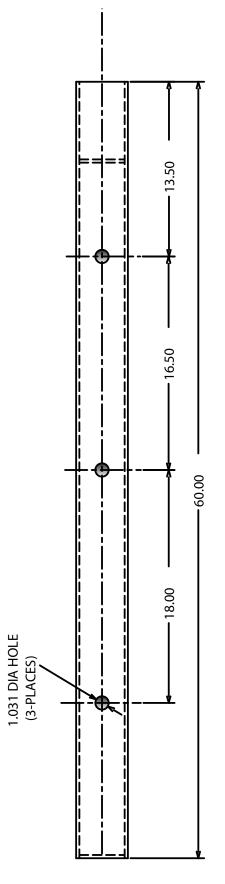




3"-diameter Jib T4001525 for ALTEC® trucks



4" x 4" Jib T4001764 for HOLAN trucks





4" x 4" Jib T4001933 for Reach-All trucks

