



**CZ Engineering, Inc.**  
*Craftsmanship and Innovation*

# *Pole Trailers*

*The World's Safest Pole Trailers.*

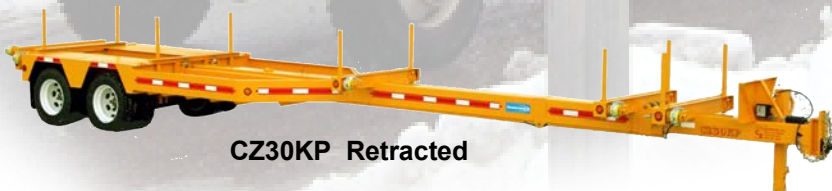
*White is now the standard color.*



**CZ12KP & CZ15KP Retracted**



**CZ12KP & CZ15KP Extended**



**CZ30KP Retracted**

Shown with extra length, additional  
bolster, Rear Extender, V-Storage  
Options



**CZ30KP Extended**

Manufactured by:  
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# 10 Things You Should Know About CZ Pole Trailers.

## #1

Our **massive telescopic tongue** is made of an 8" x 8" x 1/4" sq. tube inside of an 10" x 10 x 1/4" sq. tube. That makes the tongue much stronger than that of the average pole trailer.

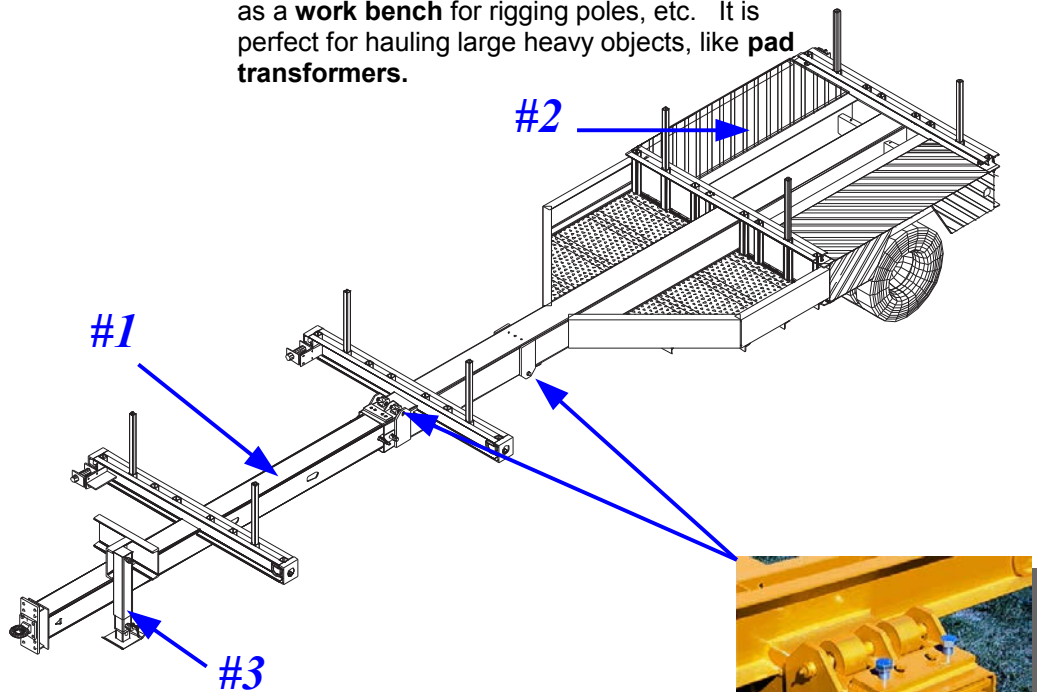
This strength is paramount in meeting one of our primary design objectives: **proper weight distribution** for safe, sway-free towing. *A properly designed pole trailer does not balance the poles over the axle!* A minimum of 10 to 15% of any trailer's gross weight should be carried on the hitch in order to maintain proper towing characteristics. Our massive tongue provides the backbone to do just that without relying on the poles as structural elements.

Not only are the large 8" and 10" tubes **less likely** to get bent, our system also provides some room for error in the event they do get a little bent. Most pole trailers have relatively tight fitting tubes, and if the tongue is bent even a little bit it becomes impossible to telescope it any longer.

Because our design results in a 3/4" air gap between the inner and outer tubes, the tongue will remain easy to telescope even if it does get bent.

## #2

The **platform** functions as fenders as well as a **work bench** for rigging poles, etc. It is perfect for hauling large heavy objects, like **pad transformers**.



## #3

Our **Heavy Duty 10,000 lb. Jack** has a drop foot section that retracts vertically. This system is more stable and durable than a swing up jack, so maintenance is reduced. Since the foot retracts to within just a few inches of the bottom of the tongue, clearance is optimized.



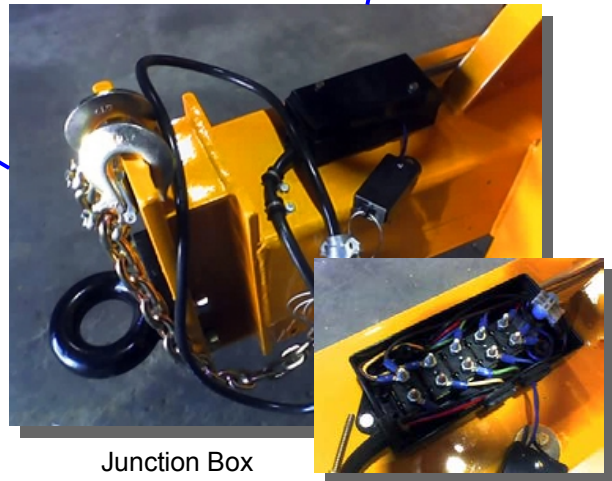
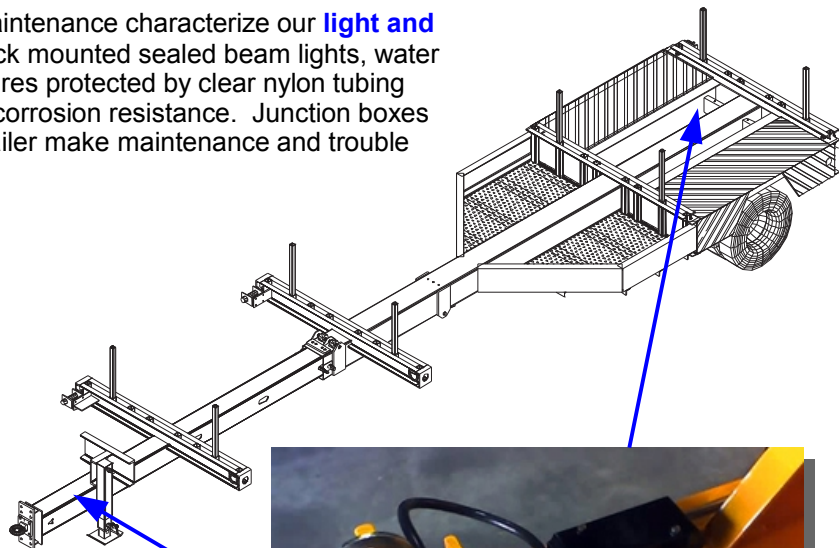
Two sets of bronze bushed steel rollers ensure easy, smooth length adjustment.

**#4** CZ trailers start with **Dexter axles** – the hands-down leader in the medium axle industry. Parts for Dexter axles are readily available all over the country.

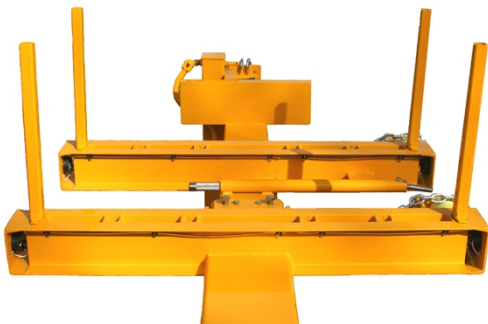


Heavy duty self adjusting electric brakes are standard. The optional **electric over hydraulic brakes** let you use your truck's existing electric brake controller and still have the advantage of smooth actuating, low maintenance hydraulic brakes. The 12,000 lb. axle is even available with **disc brakes**.

**#5** Reliability and low maintenance characterize our **light and wiring system**. Rubber shock mounted sealed beam lights, water proof wire connectors, and wires protected by clear nylon tubing provide superior fatigue and corrosion resistance. Junction boxes at the front and rear of the trailer make maintenance and trouble shooting even easier.



Junction Box



**#6** **Width:** CZ pole trailers are narrower than most pole trailers. Since its overall width is only 81 inches, it is more maneuverable and safer than other pole trailers. This is particularly important when you consider a CZ pole trailer's ability to haul the really long poles.

Each **bolster** location allows for a 4 foot wide surface for the poles. (6' 8" wide bolsters are also available.) Many other pole trailers give you only a saddle for the center pole, requiring you to lash other poles to the center one.

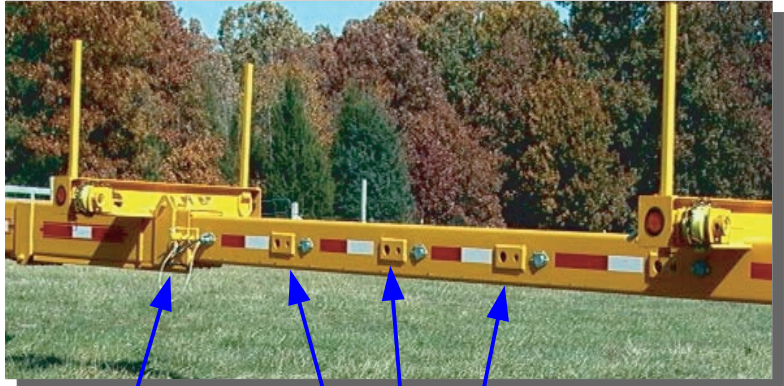


## #7

**Adjustment:** The length of a CZ Pole Trailer can be adjusted in about 30 inch increments. At each length interval, there is an electrical socket that connects the trailer wire harness from the front section to the rear section of the trailer. This novel system eliminates the need for a troublesome cable reel or coil of wire. Down time and maintenance is thus reduced.

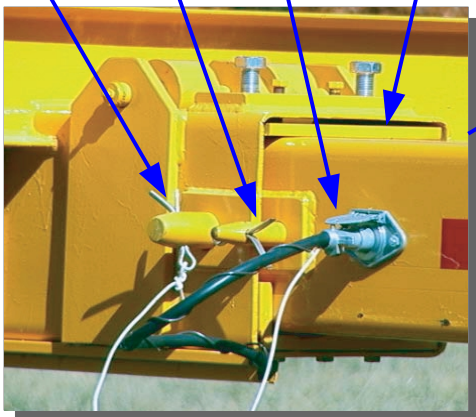
At each interval, there is both a large locking pin hole and a smaller locating pin hole. Using the locating pin ensures fast one man trailer length adjustment.

A plug on the rear half of the trailer and sockets at each length interval means there is no need for loose cable or a troublesome reel for the wire harness. The wire harness is contained and protected inside the trailer tongue.



Standard length trailers have 7 length intervals.

Large Pin      Plug & Socket  
Small Pin      Jam Plate



### Adjusting a CZ Pole Trailer's Length

- 1) Loosen the jam plates and pull the plug and locking pin.
- 2) Extend the trailer a little longer than the desired length.
- 3) Place the locating pin at the desired setting and back up until it bottoms out. The locking pin holes will be automatically aligned. Replace the locking pin and plug, then tighten the jam plates.

(Note: Use of the jam plates is optional, but they will eliminate rattle.)

## #8

**Secure Loads:** Three sets of heavy duty winches use 3" wide nylon straps with about a foot of chain on the end, where the most wear occurs. D-rings are provided on the side opposite the winches; the chain ends are hooked there.

A winch bar is always available from the integral storage tube.



# #9

**Capacity:** The CZ12KP is built to carry a LOT of poles at a time – and do so safely. The 16,000 G.V.W.R. combined with the industry's strongest tongue allows you to make the most use of your line truck's abilities. (e.g. You can transfer 3,000 to 4,000 lbs to the truck through the trailer hitch.) The CZ15KP will give you even more capacity with its 19,000 lb. G.V.W.R., and the tandem axle CZ30KP boasts a 34,000 G.V.W.R.

| The CZ Advantage – Vertical Strength |                 |                       | The CZ Advantage – Horizontal Strength |                 |                       |
|--------------------------------------|-----------------|-----------------------|--|-----------------|-----------------------|
| Tongue Tube Size                     | Section Modulus | CZ Strength Advantage | Tongue Tube Size                       | Section Modulus | CZ Strength Advantage |
| CZ Standard: 8 x 8 x 1/4"            | 17.70           | (CZ Standard)         | CZ Standard: 8 x 8 x 1/4"              | 17.70           | (CZ Standard)         |
| Competitor 1: 7 x 3 x 1/4"           | 7.19            | 246%                  | Competitor 1: 7 x 3 x 1/4"             | 4.40            | 402%                  |
| Competitor 2: 5 x 5 x 3/8"           | 8.67            | 204%                  | Competitor 2: 5 x 5 x 3/8"             | 8.67            | 204%                  |
| Competitor 3: 8 x 4 x 1/4"           | 10.60           | 167%                  | Competitor 3: 8 x 4 x 1/4"             | 7.21            | 245%                  |

# #10

For **shiny long lasting paint jobs**, CZ trailers are painted with DuPont automotive paint. Corlar epoxy primer covered by Centari acrylic enamel would be better than the vast majority of trailer paint systems, but CZ trailers get an additional coat of DuPont **Clear Coat** for the toughest paint system available.



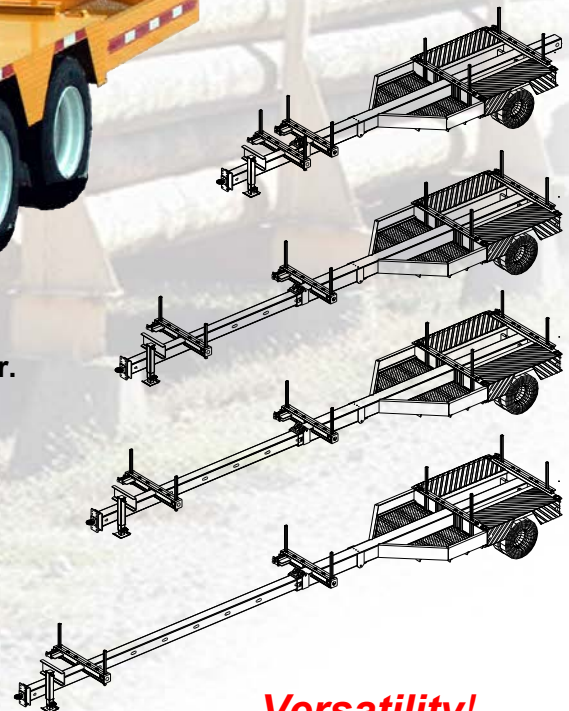
Got long poles?



For even more length, the optional telescopic Extender adds up to 8 feet to the rear of the trailer.

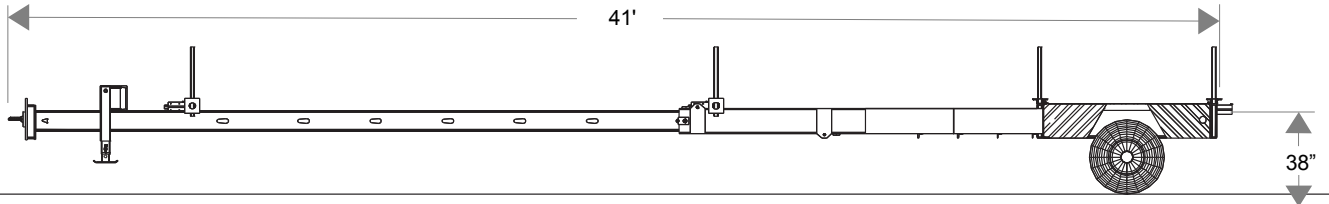
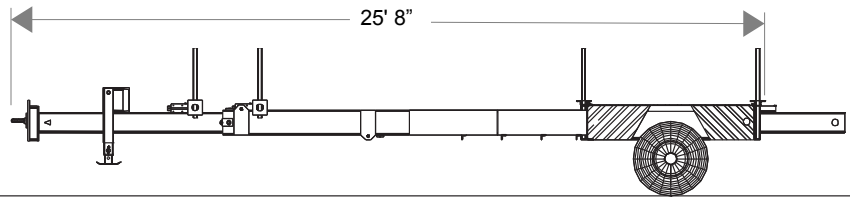


Available w/ Galvanized Finish



**Versatility!**

# Model CZ12KP Pole Trailer



## Specifications

|                       |  |
|-----------------------|--|
| Length .....          | Extendable length from 24' 2" to 39' 6"<br>(Additional length available) |
| Width .....           | 6' 9" OAL, with 4 foot wide (standard) or 6' wide bolsters               |
| Running Gear .....    | One 12,000 lb. dual wheel axle with oil seal hubs                        |
| Brakes .....          | 12 1/4" electric with self-charging break-away system                    |
| Landing Gear .....    | 10,000 lb. drop leg jack   |
| Wheels .....          | 16" 8 hole disc  |
| Tires .....           | 235/80R 16" LRE  |
| Tongue .....          | 8" x 1/4" and 10 x 1/4" square tube; telescopes on rollers               |
| Frame .....           | 14" WF beam and 10" channel  |
| Coupling System ..... | 2 1/2" adjustable pintle eye   |
| Lights .....          | Sealed beam with waterproof wiring in nylon tubing                       |
| G.V.W.R. ....         | 16,000 lbs.  |
| Empty Weight .....    | 4000 lbs.  |
| Payload .....         | Approximately 12,000 lbs.  |

### APPROXIMATE POLE CARRYING CAPACITY

|     |         |          |
|-----|---------|----------|
| 30' | Class 2 | 14 poles |
| 35' | Class 3 | 13 poles |
| 40' | Class 3 | 10 poles |
| 40' | Class 2 | 9 poles  |
| 45' | Class 4 | 9 poles  |
| 45' | Class 3 | 8 poles  |
| 50' | Class 3 | 7 poles  |
| 50' | Class 2 | 6 poles  |
| 60' | Class 3 | 5 poles  |
| 65' | Class 2 | 4 poles  |

NOTE: Pole capacity is based on weight. You may run out of room before reaching the weight capacity.

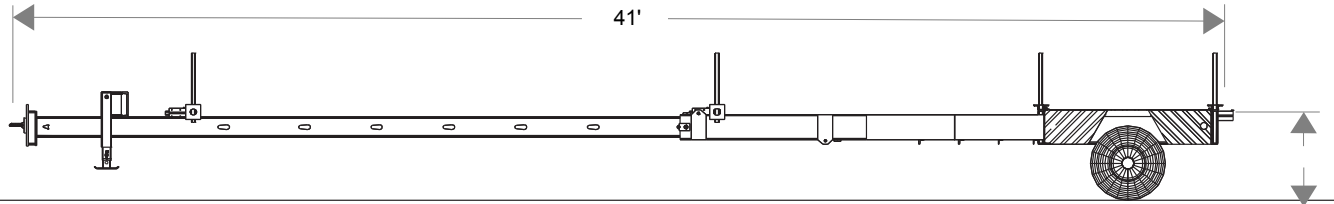
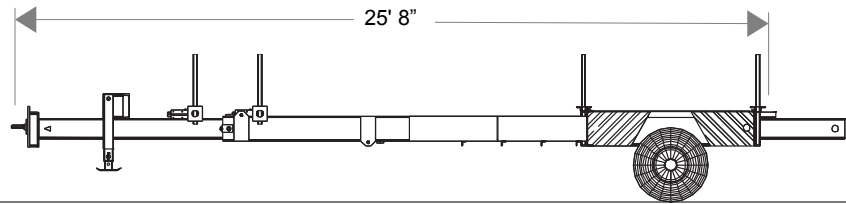
## Options

- Built-in strap winches \*
- Extended storage area \*
- Raised bolsters for sliding stanchions \*
- V-Storage – either 3' \* or 6'
- Electric over hydraulic disc brakes
- Rear telescopic 8' extender
- Additional length for up to 80' poles
- Additional bolster \*
- Portable aluminum light bar

\* Options shown on drawing



# Model CZ15KP Pole Trailer



## Specifications

|                       |  |
|-----------------------|--|
| Length .....          | Extendable length from 24' 2" to 39' 6"                    |
|                       | (Other configurations available)                           |
| Width .....           | 6' 9" OAL, with 4 foot wide (standard) or 6' wide bolsters |
| Running Gear .....    | One 15,000 lb. dual wheel axle with oil seal hubs          |
| Brakes .....          | 12 1/4" electric with self-charging break-away system      |
| Landing Gear .....    | 10,000 lb. drop leg jack                                   |
| Wheels .....          | 17.5 8 hole on 275mm bolt circle; disc                     |
| Tires .....           | 215/75R 17.5 16-ply rating                                 |
| Tongue .....          | 8" x 1/4" and 10 x 1/4" square tube; telescopes on rollers |
| Frame .....           | 14" WF beam and 10" channel                                |
| Coupling System ..... | 2 1/2" adjustable pintle eye                               |
| Lights .....          | Sealed beam with waterproof wiring in nylon tubing         |
| G.V.W.R. ....         | 18,800 lbs. at 65 mph                                      |
| Empty Weight .....    | 4050 lbs.  |
| Payload .....         | Approximately 15,000 lbs.                                  |

### APPROXIMATE POLE CARRYING CAPACITY

|     |         |          |
|-----|---------|----------|
| 30' | Class 1 | 14 poles |
| 35' | Class 2 | 14 poles |
| 40' | Class 3 | 12 poles |
| 40' | Class 2 | 11 poles |
| 45' | Class 4 | 12 poles |
| 45' | Class 3 | 10 poles |
| 50' | Class 3 | 9 poles  |
| 50' | Class 2 | 8 poles  |
| 60' | Class 3 | 7 poles  |
| 65' | Class 2 | 5 poles  |

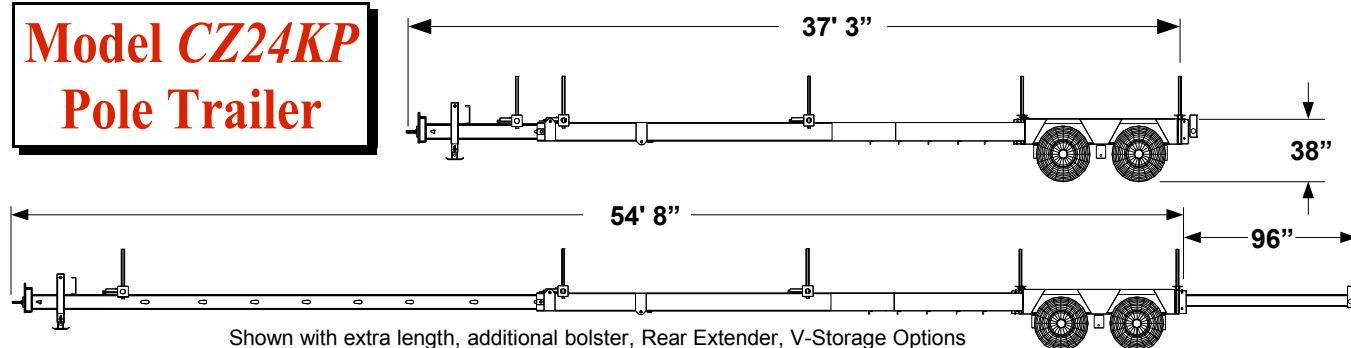
NOTE: Pole capacity is based on weight. You may run out of room before reaching the weight capacity.

## Options

- Built-in strap winches \*
- Extended storage area \*
- Raised bolsters for sliding stanchions \*
- V-Storage – either 3' \* or 6'
- Electric over hydraulic disc brakes
- Rear telescopic 8' extender
- Additional length for up to 80' poles
- Additional bolster \*
- Portable aluminum light bar

\* Options shown on drawing

# Model CZ24KP Pole Trailer



## Specifications

|                              |  |
|------------------------------|--|
| <b>Length</b> .....          | <b>Extendable length from 37' 3" to 54' 8"</b><br>(Rear extension can add 8' to length.) |
| <b>Width</b> .....           | <b>6' 9" OAL, with 6 foot wide bolsters</b>  |
| <b>Running Gear</b> .....    | <b>Two 12,000 lb. dual wheel axles with oil seal hubs</b>                                |
| <b>Brakes</b> .....          | <b>12 1/4" electric with self-charging break-away system</b>                             |
| <b>Landing Gear</b> .....    | <b>10,000 lb. drop leg jack</b>  |
| <b>Wheels</b> .....          | <b>16" 8 hole disc</b>   |
| <b>Tires</b> .....           | <b>235/80R 16" LRE</b>   |
| <b>Tongue</b> .....          | <b>8" x 1/4" and 10 x 1/4" square tube; telescopes on rollers</b>                        |
| <b>Frame</b> .....           | <b>14" WF beam and 10" channel</b>   |
| <b>Coupling System</b> ..... | <b>2 1/2" adjustable pintle eye</b>  |
| <b>Lights</b> .....          | <b>Sealed beam with waterproof wiring in nylon tubing</b>                                |
| <b>G.V.W.R.</b> .....        | <b>26,000 lbs. (24,000 lbs for CZ20KP w/ 10,000 axles)</b>                               |
| <b>Empty Weight</b> .....    | <b>5,500 lbs. Approx.</b>  |
| <b>Payload</b> .....         | <b>Approximately 20,500 lbs.</b>   |

| APPROXIMATE POLE CARRYING CAPACITY |         |         |
|------------------------------------|---------|---------|
| 45'                                | Class 1 | 9 poles |
| 50'                                | Class 1 | 8 poles |
| 55'                                | Class 1 | 7 poles |
| 60'                                | Class 1 | 6 poles |
| 65'                                | Class 1 | 6 poles |
| 70'                                | Class 1 | 5 poles |
| 75'                                | Class 1 | 4 poles |
| 80'                                | Class 1 | 4 poles |

NOTE: Pole capacity is based on weight. You may run out of room before reaching the weight capacity.

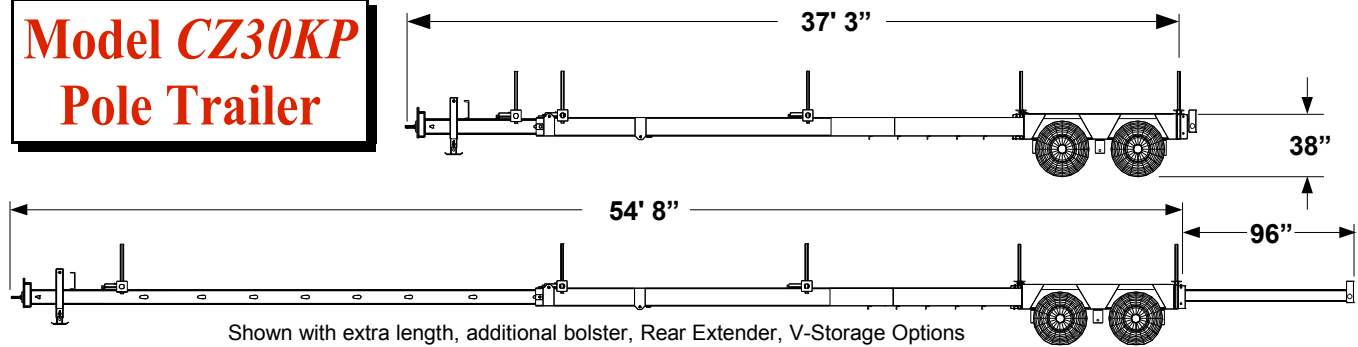
## Options

- Built-in strap winches \*
- Extended storage area \*
- Raised bolsters for sliding stanchions \*
- V-Storage – either 3' or 6' \*
- Electric over hydraulic disc brakes
- Rear telescopic 8' extender \*
- Additional length for up to 80' poles \*
- Additional bolster \*
- Portable aluminum light bar

\* Options shown on drawing



## Model CZ30KP Pole Trailer



### Specifications

|                              |  |
|------------------------------|--|
| <b>Length</b> .....          | <b>Extendable length from 37' 3" to 54' 8"</b><br>(Rear extension can add 8' to length.) |
| <b>Width</b> .....           | <b>6' 9" OAL, with 6 foot wide bolsters</b>  |
| <b>Running Gear</b> .....    | <b>Two 15,000 lb. dual wheel axles with oil seal hubs</b>                                |
| <b>Brakes</b> .....          | <b>12 1/4" electric with self-charging break-away system</b>                             |
| <b>Landing Gear</b> .....    | <b>10,000 lb. drop leg jack</b>  |
| <b>Wheels</b> .....          | <b>17.5 8 hole on 275mm bolt circle; disc</b>  |
| <b>Tires</b> .....           | <b>215/75R 17.5 16-ply rating</b>  |
| <b>Tongue</b> .....          | <b>8" x 1/4" and 10 x 1/4" square tube; telescopes on rollers</b>                        |
| <b>Frame</b> .....           | <b>14" WF beam and 10" channel</b>   |
| <b>Coupling System</b> ..... | <b>2 1/2" adjustable pintle eye</b>  |
| <b>Lights</b> .....          | <b>Sealed beam with waterproof wiring in nylon tubing</b>                                |
| <b>G.V.W.R.</b> .....        | <b>34,000 lbs.</b>   |
| <b>Empty Weight</b> .....    | <b>5,500 lbs.</b>  |
| <b>Payload</b> .....         | <b>Approximately 28,500 lbs.</b>   |

#### APPROXIMATE POLE CARRYING CAPACITY

|     |         |          |
|-----|---------|----------|
| 45' | Class 1 | 15 poles |
| 50' | Class 1 | 13 poles |
| 55' | Class 1 | 12 poles |
| 60' | Class 1 | 11 poles |
| 65' | Class 1 | 9 poles  |
| 70' | Class 1 | 8 poles  |
| 75' | Class 1 | 7 poles  |
| 80' | Class 1 | 6 poles  |

NOTE: Pole capacity is based on weight. You may run out of room before reaching the weight capacity.

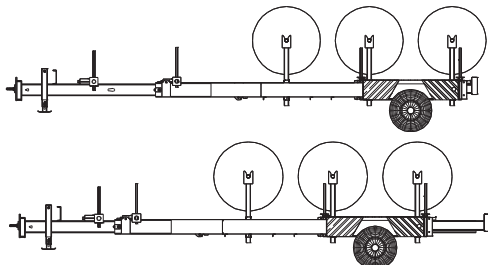
### Options

- Built-in strap winches \*
- Extended storage area \*
- Raised bolsters for sliding stanchions \*
- V-Storage – either 3' or 6' \*
- Electric over hydraulic disc brakes
- Rear telescopic 8' extender \*
- Additional length for up to 80' poles \*
- Additional bolster \*
- Portable aluminum light bar

\* Options shown on drawing

# *Integral Reel Rack*

*From the builders of the World's Safest Pole Trailers.*



Shown Fully Retracted, below.



Funnel shaped  
Spindle Catch.

## **Special Features**

- Rugged, 3" square tube uprights are easily removed from their stake pockets and do not interfere with transporting poles.
- Uprights can be stored on the trailer when not in use.
- 2" schedule 80 pipe spindles (2.38" O.D.)
- Clamshell collars lock the spool in place but don't mar the spindle
- Large funnel shaped spindle catch for easy loading.
- Enhances the utility of the trailer.

Easily field configurable to carry spools in three rows (3 50" spools or up to 6 36" spools) as shown above.

Swap the position of the uprights to carry a spool on the curb side. (Right photo)



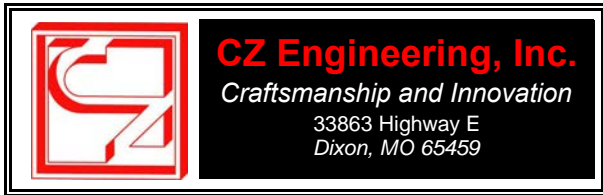
## **Options on this trailer:**

- Wide Bolsters
- Rear Extender
- Extra Long Storage Area
- Integral Reel Racks
- Raised Bolsters
- Winches & Straps
- White Paint



Optional Rear Extender





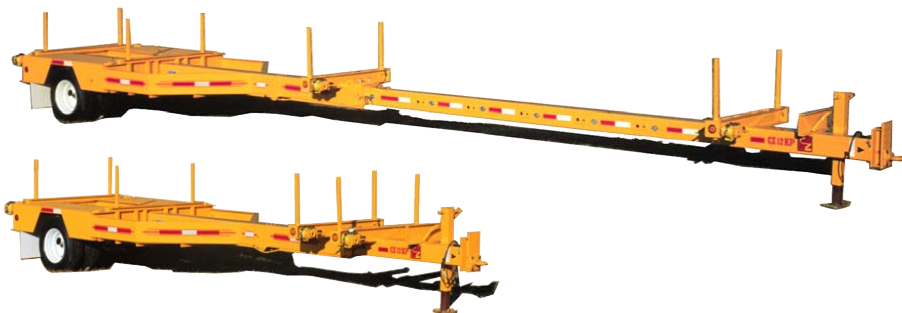
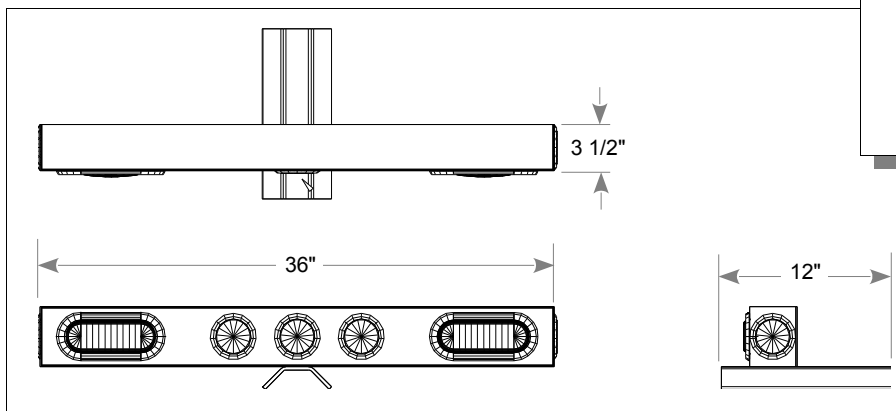
# Pole End Lightbar

*From the builders of the World's Safest Pole Trailers.*



## Special Features

- Rugged, but lightweight, all aluminum construction. (About 17 lbs.)
- Extends all the legally required lights to the end of your poles.
- 2" wide 5000 lb test ratchet and nylon strap for secure and flexible mounting.
- Sealed, shock resistant, LED lights.



CZ Pole Trailers feature tongues that are *TWICE* as strong as our competition!

Easy adjustment on bronze bushed steel rollers!

For the longest lasting, safest, and best investment in Pole Trailers, give us a call or browse

[www.cze.com](http://www.cze.com).

Manufactured by:  
**CZ Engineering, Inc.**

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