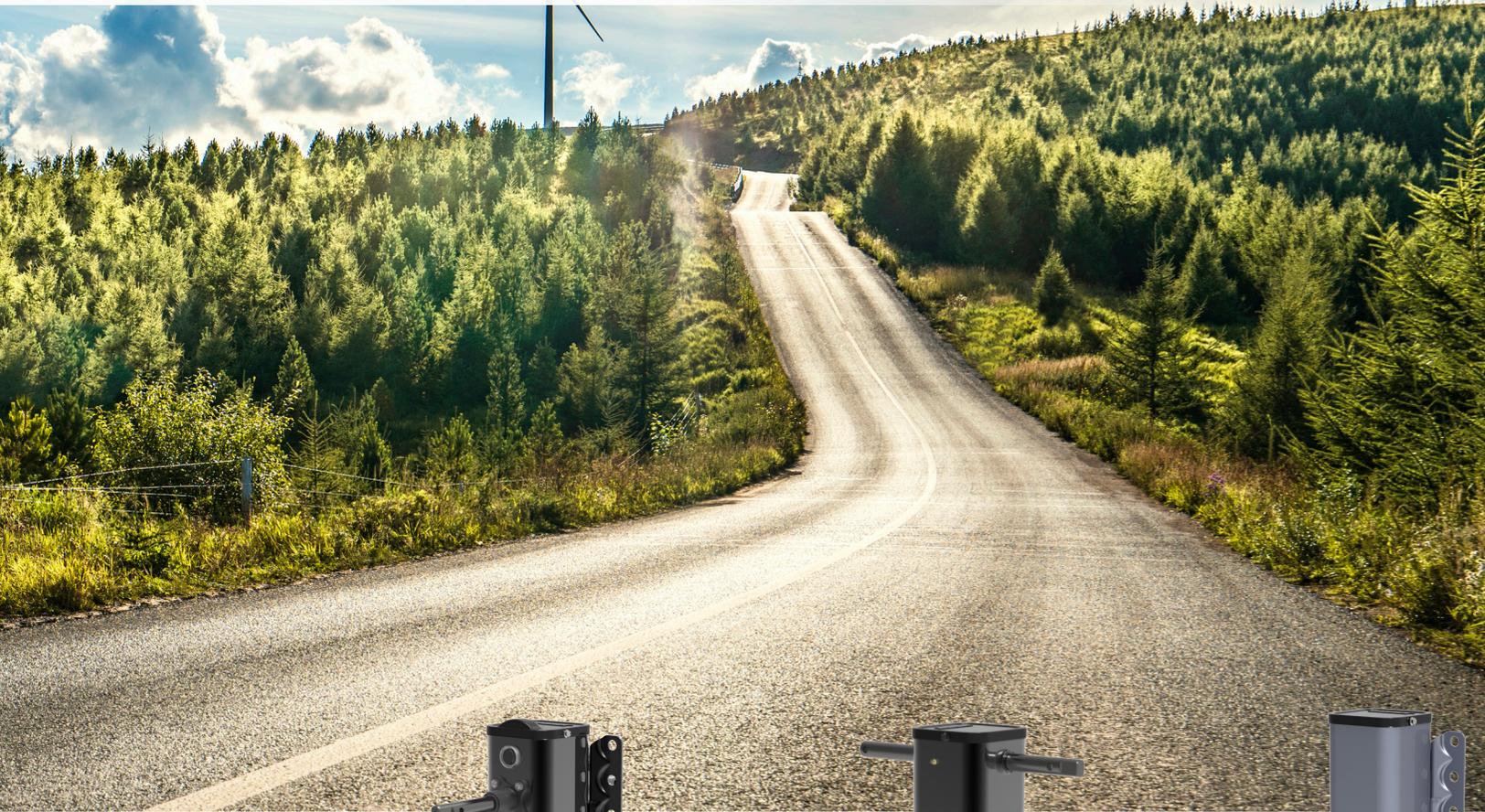


# JOIST

## Drop Leg Catalog

Capacities from 12,000 lbs to 35,000 lbs



AD Series

K4 Series

KX Series

A4 Series

AX Series





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# Drop Leg Product Line



**AD Series**  
Drop Leg



**K4 Series**  
One-Speed  
Spring Return  
Cranking Drop Leg



**KX Series**  
One-Speed  
Aluminum  
Spring Return  
Cranking Drop Leg



**A4 Series**  
Two-Speed  
Spring Return  
Cranking Drop Leg



**AX Series**  
Two-Speed  
Aluminum  
Spring Return  
Cranking Drop Leg

## A LOOK INSIDE

All JOST Drop Legs utilize a spring loaded lower tube. The drop handle must be turned 90 degrees to disengage. The internal spring keeps the drop leg retracted until force is applied (see page 2 for instructions). A smaller spring located on the drop handle forces it inward, allowing the drop handle to align with the next hole location as the lower tube is retracted by the internal spring.

\*Does not apply to AD Series\*



# Application Overview

## AD Series

The AD series drop leg is designed for applications requiring a simple solution. This series has a lower tube that can be manually adjusted to a desired height. The leg can be adjusted by increments of 1", ranging from 0" to 25". The AD can also accommodate various mounting styles as it can be ordered with a mounting plate (shown) or without, allowing it to be welded directly to the application.

## K4 & KX Series

The K series cranking drop leg is available in both an aluminum or steel model. The K series provides a single-speed cranking leg that pairs with a spring-assisted drop leg. The drop leg has up to 11" extension, can be positioned every 2.75" and then cranked up or down with an additional 14" of travel to adjust the trailer with precision. The K series is available with an output shaft to allow the leg to be installed as a set. Additionally, the drop handle can be ordered in 4 different positions to accommodate your application.

## A4 Series

The A4 series takes all the features of the K series one step further. This series is based on the original and time-proven landing gear design JOST brought to the heavy-duty trailer market in 1990. The A4 series drop leg has a two-speed internal gearbox providing the easiest cranking anywhere, with power to spare. It also has a spring-assisted drop leg with an 11" extension, position adjustments available every 2.75", and an additional 14" of travel. The gearbox stands up against the elements as it is fully sealed and filled with grease. It is also available with or without the 10-bolt mounting flange for quick installation.

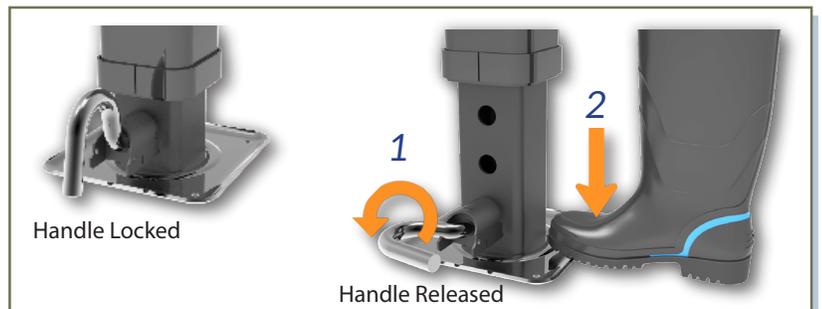
## AX Series

The AX series two-speed cranking drop leg is a light-weight corrosion-resistant model. Based off the A4 series, the AX series carries all the same features. Additionally, the AX series comes install-ready with the flange plate integrated into the upper housing. To accommodate various mounting styles, the AX series can be ordered with the mounting flange parallel or perpendicular to the crank handle.

## Spring Return Drop Leg Operation

1. Rotate the handle to the released position.
2. Place foot on base plate and push to desired location.
3. Rotate the handle back to the locked position.
4. Lift foot slowly from the base plate until it automatically locks into the next hole position.

\*For complete operation procedures please request user's manual LT-LG01-14.\*

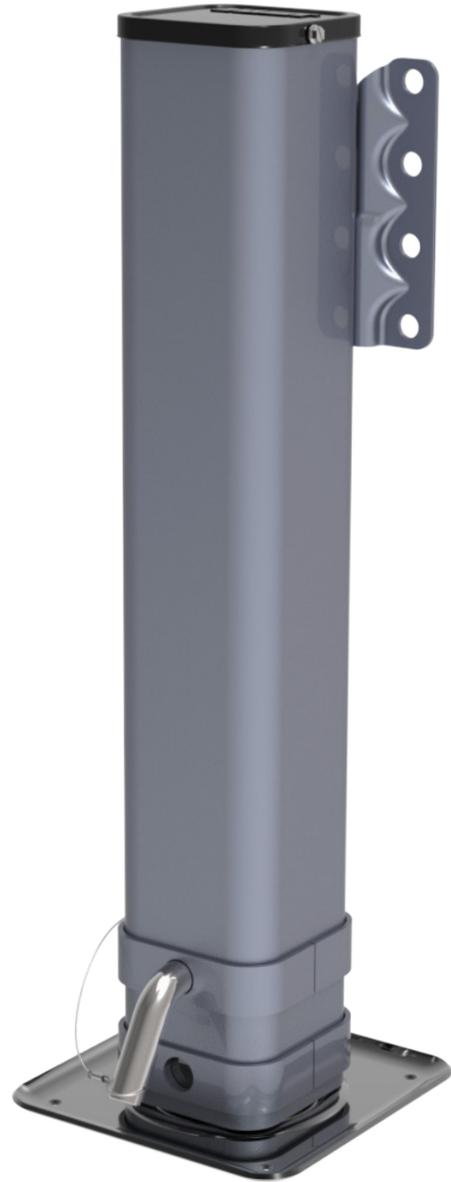


# AD SERIES

## DROP LEG

### DESIGN FEATURES

- *25" Max drop extension*
- *Hole spacing allows for adjustments of 1" increments.*
- *8 bolt formed mounting flange adds rigidity.*
- *60,000 PSI, high strength low alloy steel.*
- *Double reinforcing straps prevent pin from elongating holes.*
- *Individual leg weighs only 62 lbs.*
- *Factory welded custom bracing is available*



### INSTALLATION

The AD Series can be ordered with or without an 8-bolt mounting flange for the trailer. Refer to the part diagram for the bolt-hole pattern and standard placement.

### CAPACITY

Static Capacity: 20,000 lbs per leg

*When properly braced on a trailer.*

### MAINTENANCE

Maintenance should be performed as needed depending on the application, but no less than every three months. The leg(s) should be inspected for damage and material integrity.

### WARRANTY

JOST provides a 5-year warranty on workmanship and material. For complete details, visit our website at [www.jostinternational.com/warranty](http://www.jostinternational.com/warranty) or call customer service at 800-253-5105.

## PART NUMBER

Single Leg: **AD500.E.25**

\*For ordering a set, order two of the above part number.\*

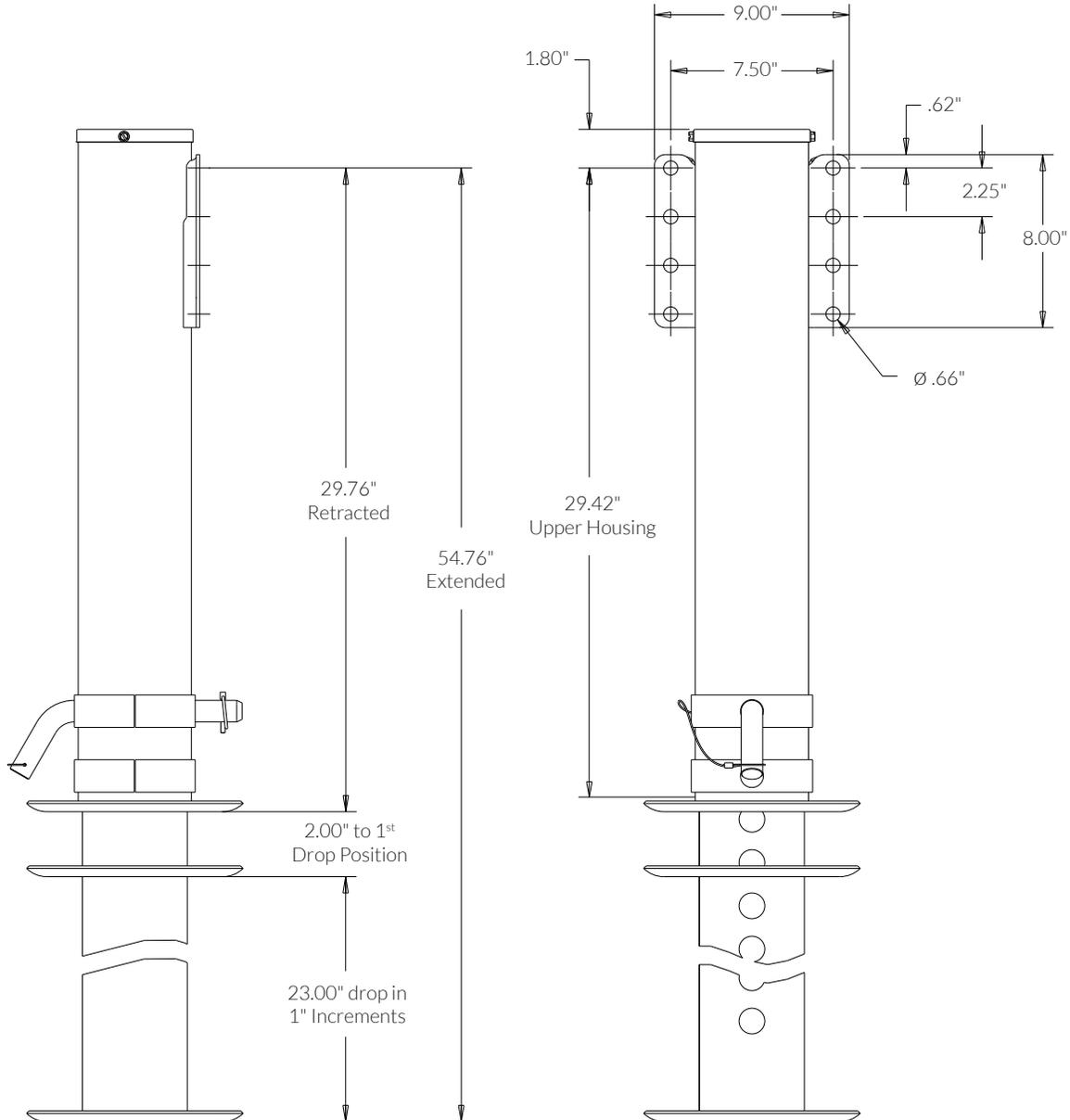
## ORDERING OPTIONS

Customers can order the leg with:

- Custom bracing welded on by JOST
- With or without a mounting flange
- Custom mounting flange positioning
- Custom color powder coat finish
- Galvanized finish

\*For complete details on available options, please see page 13.\*

## STANDARD DIMENSIONS



# K4 SERIES

## STEEL DROP LEG

### DESIGN FEATURES

- *Spring assisted drop leg retraction for easy use.*
- *Convenient down stop prevents over extension.*
- *Drop handle allows for quick adjustment of the drop leg.*
- *Cover and shafts are sealed to keep moisture out.*
- *Austempered ductile iron gears will not wear out.*
- *Double "D" style shaft allows crank force to go directly into the gearbox, not torquing the bolt.*
- *Optional 10-bolt mounting flange adds rigidity. (not shown)*

**Gear Ratio: 5.3 turns = 1" Travel**



### INSTALLATION

The K4 series drop leg can be used in a wide range of applications. When using a mounting flange, mounting bolts should be Grade 5 or equivalent. The leg should always be mounted square to the trailer frame with a minimum ground clearance of 10-12 inches when the leg is fully retracted. For the complete mounting guide, refer to JOST literature number LT-LG01-22.

### CAPACITY

	<i>Individual Leg</i>	<i>Set of Legs</i>
<i>Max. Static Load Rating</i>	12,500 lbs	25,000 lbs
<i>Rated Lift Capacity</i>	12,000 lbs	12,000 lbs

**When properly braced on a trailer.**

### MAINTENANCE

Maintenance should be performed as needed depending on the application, but no less than every three months. Grease should be added to the leg(s) in both grease zerks and the leg(s) should be inspected for damage and material integrity. For the complete maintenance guide, refer to JOST literature number LT-LG01-22.

### WARRANTY

JOST provides a 5-year warranty on workmanship and material. For complete details, visit our website at [www.jostinternational.com/warranty](http://www.jostinternational.com/warranty) or call customer service at 800-253-5105.

## PART NUMBERS

Set of legs:	<b>K405.DD.14</b>
Crank side leg:	<b>K405R.DD.14</b>
Non-crank side leg:	<b>K405L.DD.14</b>
Single crank leg:	<b>K405M.DD.14</b>

A set of legs will come with two single-speed legs with shafts for connecting them. For additional accessories such as cross shafts and crank handles see pages 14-16.

**K405M.DD.14** - The M designates this leg as a MONO leg. This leg operates only as a single leg and cannot be part of a set because it does not include an output shaft for cross shaft connection.

## ORDERING OPTIONS

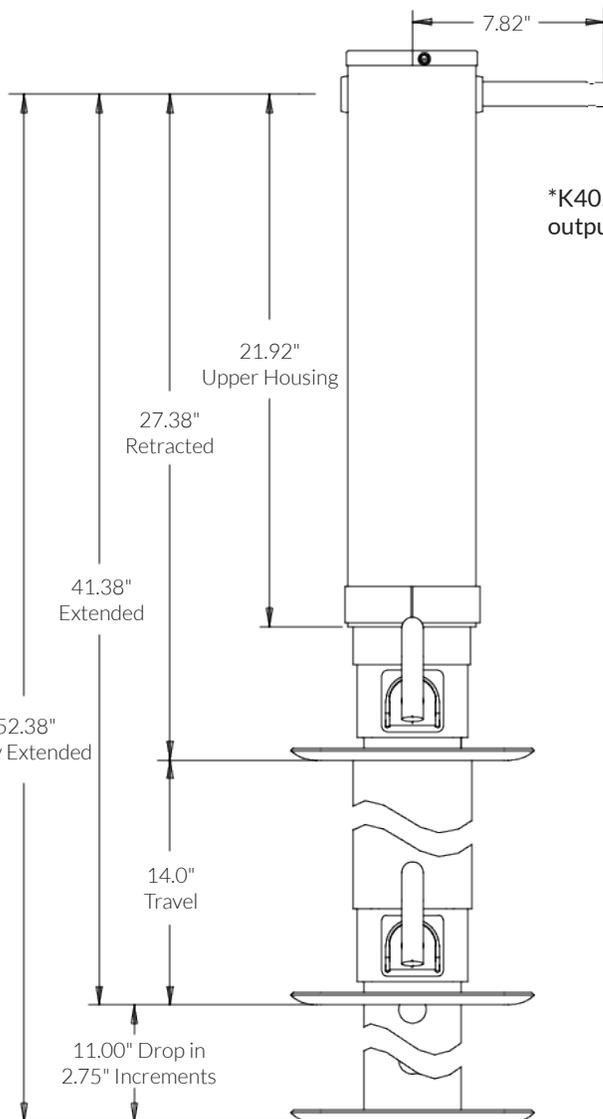
Customers can order the leg with:

- Custom bracing welded on by JOST
- With or without a mounting flange
- Inside or outside mounting configuration
- Multiple drop handle orientations available
- Custom color powder coat finish
- Galvanized finish

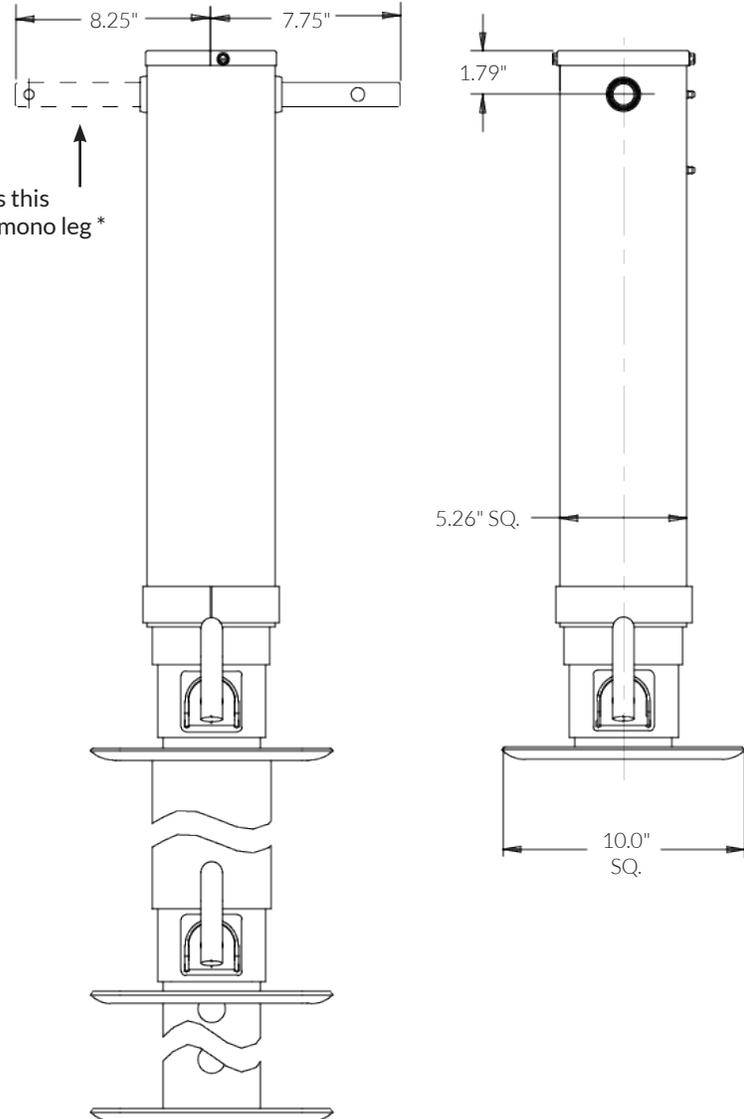
*\*For complete details on available options, please see page 13.\**

## STANDARD DIMENSIONS

**Non-Crank Side**



**Crank Side**



\*K405M.DD.14 Removes this output shaft for use as a mono leg \*

# KX SERIES

## ALUMINUM DROP LEG

### DESIGN FEATURES

- *Aluminum upper leg for weight savings.*
- *Polyester coated high strength low alloy steel lower leg*
- *Spring assisted drop leg retraction for easy use.*
- *Convenient down stop prevents over extension.*
- *Drop handle allows for quick drop leg adjustment.*
- *A 3/8" reinforcing strap for superior side load strength.*
- *Cover and shafts are sealed to keep moisture out.*
- *Austempered ductile iron gears will not wear out.*
- *Double "D" style shaft allows crank force to go directly into the gearbox, not torquing the bolt.*

**Gear Ratio: 5.3 turns = 1" Travel**



### INSTALLATION

The KX series drop leg can be used in a wide range of applications. When using a mounting flange, mounting bolts should be Grade 5 or equivalent. The leg should always be mounted square to the trailer frame with a minimum ground clearance of 10-12 inches when the leg is fully retracted. For the complete mounting guide, refer to JOST literature number LT-LG01-22.

### CAPACITY

	Individual Leg	Set of Legs
Max. Static Load Rating	12,500 lbs	25,000 lbs
Rated Lift Capacity	12,000 lbs	12,000 lbs

**When properly braced on a trailer.**

### MAINTENANCE

Maintenance should be performed as needed depending on the application, but no less than every three months. Grease should be added to the leg(s) in both grease zerks and the leg(s) should be inspected for damage and material integrity. For the complete maintenance guide, refer to JOST literature number LT-LG01-22.

### WARRANTY

JOST provides a 5-year warranty on workmanship and material. For complete details, visit our website at [www.jostinternational.com/warranty](http://www.jostinternational.com/warranty) or call customer service at 800-253-5105.

## PART NUMBERS

Set of legs:	<b>KX103.DD.14</b>
Crank side leg:	<b>KX103R.DD.14</b>
Non-crank side leg:	<b>KX103L.DD.14</b>
Single crank leg:	<b>KX103M.DD.14</b>

A set of legs will come with two single-speed legs with shafts for connecting them. For additional accessories such as cross shafts and crank handles see pages 14-16.

**KX103M.DD.14** - The M designates this leg as a MONO leg. This leg operates only as a single leg and cannot be part of a set because it does not have an output shaft for the cross shaft to connect to.

## ORDERING OPTIONS

Customers can order the leg with:

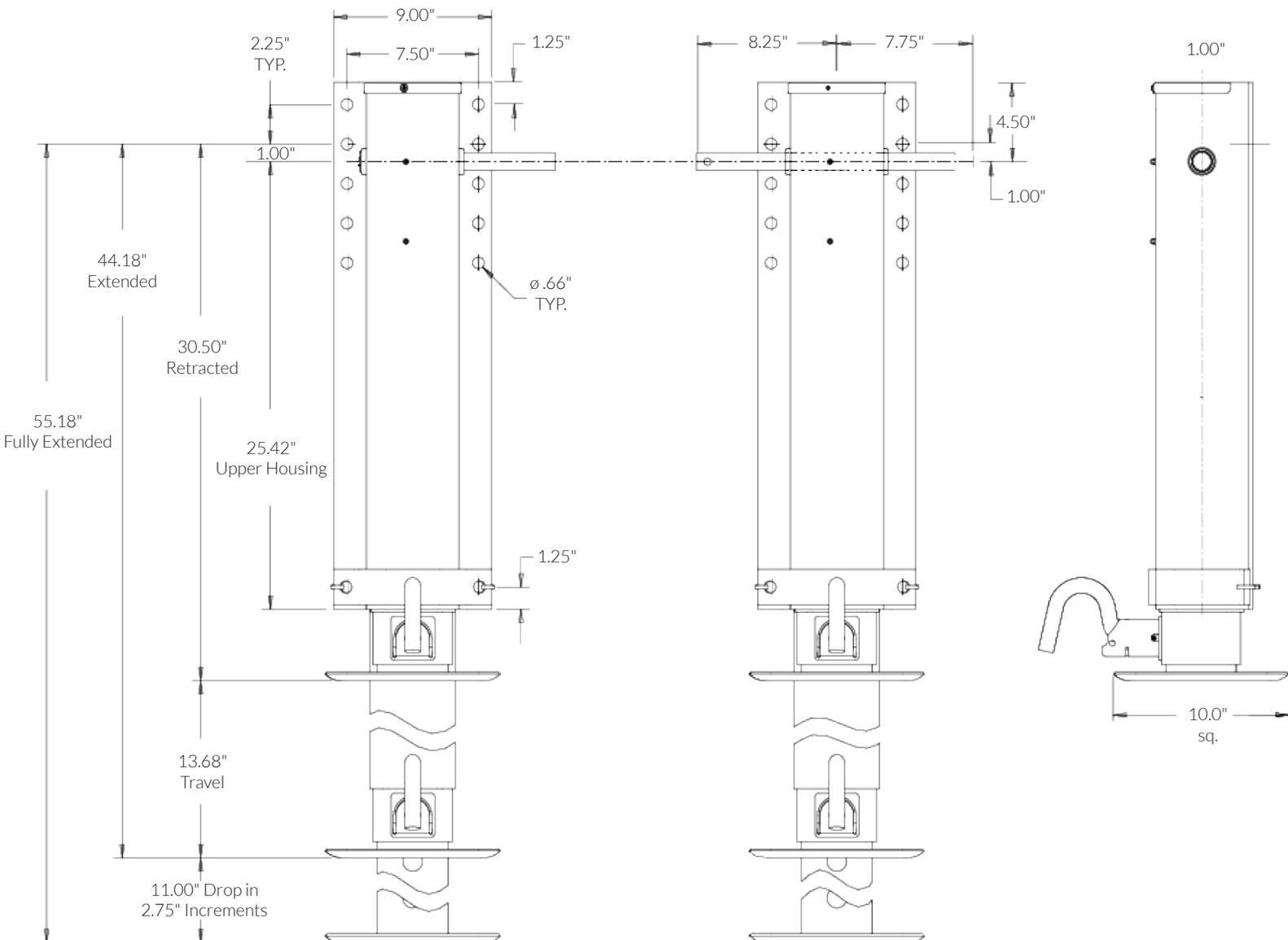
- Custom bolt hole pattern on flange
- Custom bracing welded on by JOST
- Multiple mounting configurations
- Multiple drop handle orientations available
- Custom color anodizing

*\*For complete details on available options, please see page 13.\**

## STANDARD DIMENSIONS

**Non-Crank Side**

**Crank Side**



# A4 SERIES

## TWO-SPEED DROP LEG

### DESIGN FEATURES

- *Spring assisted drop leg retraction for easy use.*
- *Convenient down stop prevents over extension.*
- *Drop handle allows for quick drop leg adjustment.*
- *Two speed gearbox allows for easy load height adjustment.*
- *Internal gearbox protects the gear train.*
- *Cover and shafts are sealed to keep moisture out.*
- *Austempered ductile iron gears will not wear out.*
- *10-bolt formed mounting flange adds rigidity.*
- *Double "D" style shaft allows crank force to go directly into the gearbox, not torquing the bolt.*

#### Gear Turn Ratios:

Low Gear - 32 turns = 1" travel

High Gear - 3.5 turns = 1" travel



### INSTALLATION

The A4 series drop leg can be used in a wide range of applications. Mounting bolts should be Grade 5 or equivalent and the leg should be mounted square to the trailer frame with a minimum ground clearance of 10-12 inches when the leg is fully retracted. For the complete mounting guide, refer to JOST literature number LT-LG01-14.

### CAPACITY

	Two-Speed Leg Only	Set of Legs
Max. Static Load Rating	17,500 lbs	35,000 lbs
Rated Lift Capacity	17,500 lbs	35,000 lbs

When properly braced on a trailer.

### MAINTENANCE

Maintenance should be performed as needed depending on the application, but no less than every three months. Grease should be added to the leg(s) in both grease zerks and the leg(s) should be inspected for damage and material integrity. For the complete maintenance guide, refer to JOST literature number LT-LG01-14.

### WARRANTY

JOST provides a 5-year warranty on workmanship and material. For complete details, visit our website at [www.jostinternational.com/warranty](http://www.jostinternational.com/warranty) or call customer service at 800-253-5105.

## PART NUMBERS

- Set of legs: **A400.DD.14**
- Crank Side Leg: **A400R.DD.14**
- Non-Crank Side Leg: **A400L.DD.14**

A set will come with one two-speed (crank side) and one single-speed (non-crank side) leg, for additional accessories such as cross shafts and crank handles see pages 14-16.

## ORDERING OPTIONS

Customers can order the leg with:

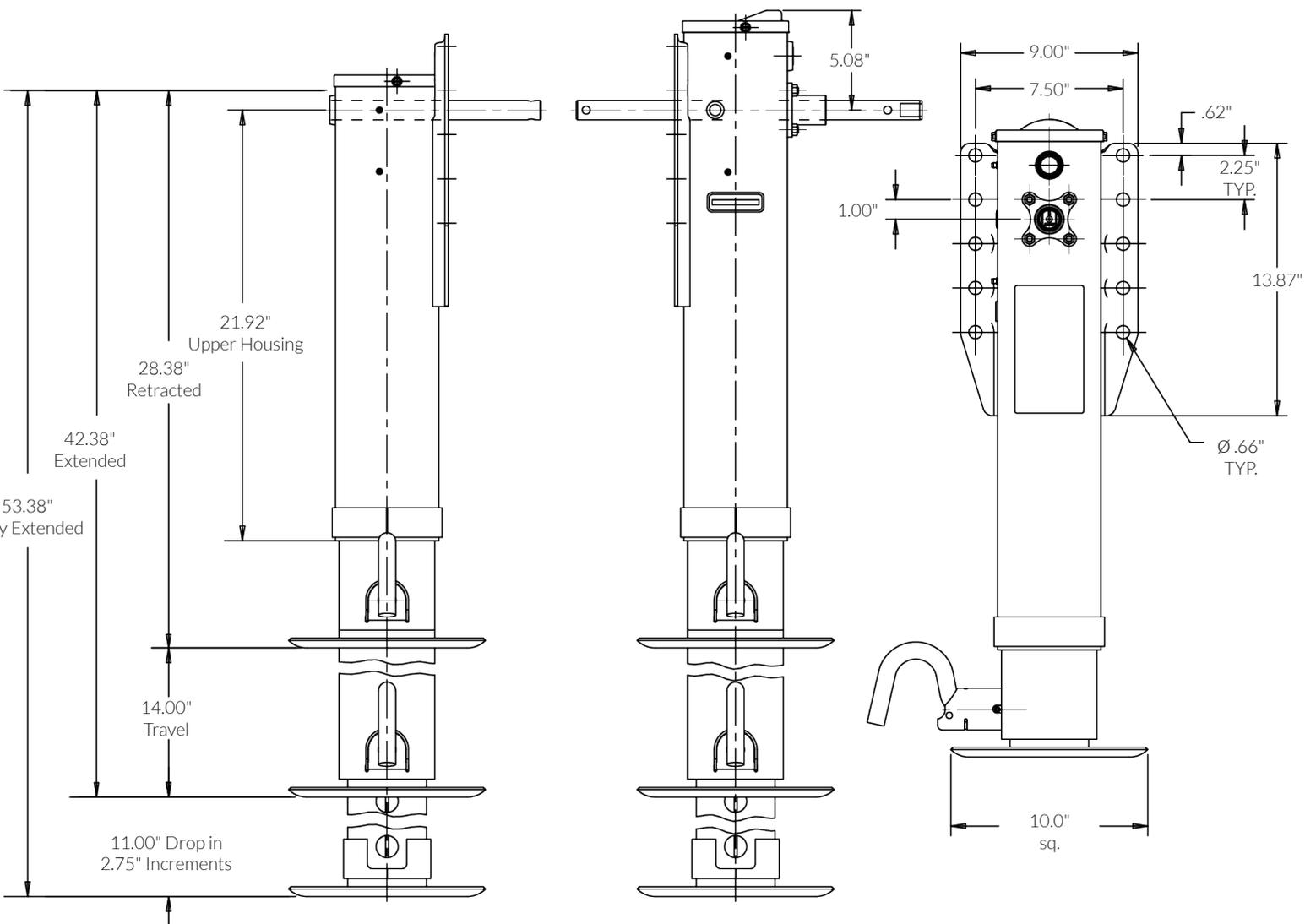
- Custom bracing welded on by JOST
- With or without a mounting plate
- Multiple drop handle orientations available
- Custom color powder coat finish
- Galvanized finish

**\*For complete details on available options, please see page 13.\***

## STANDARD DIMENSIONS

**Non-crank Side**

**Crank Side**



# AX SERIES

## ALUMINUM TWO-SPEED DROP LEG

### DESIGN FEATURES

- *Lightweight and corrosion resistant.*
- *6061-T6 extruded aluminum upper leg and polyester coated high strength low alloy steel lower leg.*
- *Spring assisted drop leg retraction for easy use.*
- *Convenient down stop prevents over extension.*
- *Drop handle allows for quick adjustment of the drop leg.*
- *Two speed gearbox allows for easy load height adjustment.*
- *Internal gearbox protects the gear train.*
- *Cover and shafts are sealed to keep moisture out.*
- *Austempered ductile iron gears will not wear out.*
- *Double "D" style shaft allows crank force to go directly into the gearbox, not torquing the bolt.*

#### Gear Turn Ratios:

Low Gear - 32 turns = 1" travel

High Gear - 3.5 turns = 1" travel



### INSTALLATION

The AX series drop leg can be used in a wide range of applications. Mounting bolts should be Grade 5 or equivalent and the leg should be mounted square to the trailer frame with a minimum ground clearance of 10-12 inches when the leg is fully retracted. For the complete mounting guide, refer to JOST literature number LT-LG01-14.

### CAPACITY

	Two-Speed Leg	Set of Legs
Max. Static Load Rating	17,500 lbs	35,000 lbs
Rated Lift Capacity	17,500 lbs	35,000 lbs

When properly braced on a trailer.

### MAINTENANCE

Maintenance should be performed as needed depending on the application, but no less than every three months. Grease should be added to the leg(s) in both grease zerks and the leg(s) should be inspected for damage and material integrity. For the complete maintenance guide, refer to JOST literature number LT-LG01-14.

### WARRANTY

JOST provides a 5-year warranty on workmanship and material. For complete details, visit our website at [www.jostinternational.com/warranty](http://www.jostinternational.com/warranty) or call customer service at 800-253-5105.

## PART NUMBERS

Set of legs: **AX103.DD.14**  
 Crank Side Leg: **AX103R.DD.14**  
 Non-Crank Side Leg: **AX103L.DD.14**

A set will come with one two-speed (crank side) and one single-speed (non-crank side) leg, for additional accessories such as cross shafts and crank handles see pages 14-16.

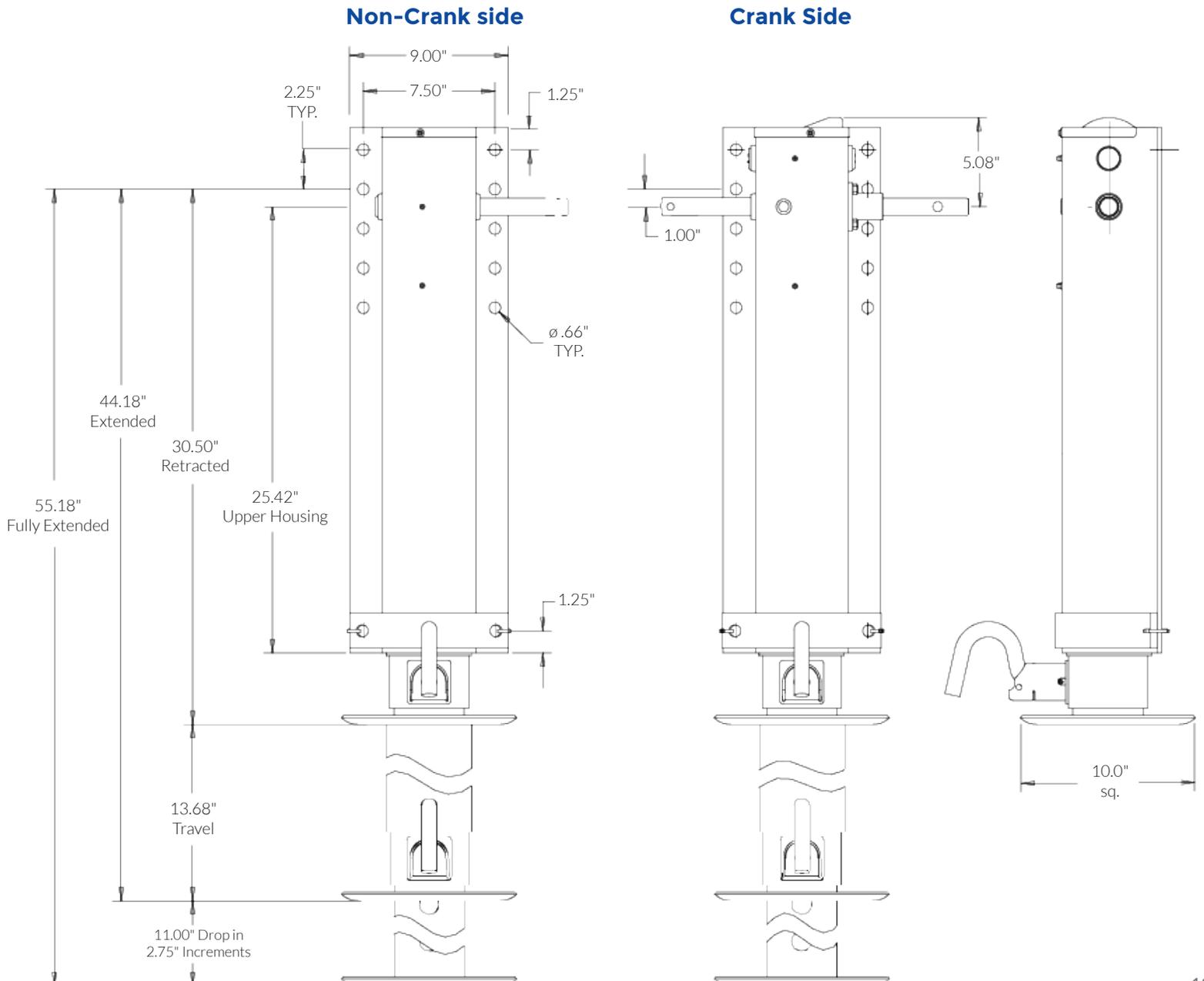
## ORDERING OPTIONS

Customers can order the leg with:

- Custom bolt hole pattern on flange
- Custom bracing welded on by JOST
- Inside or outside mounting configuration
- Lower leg rotated 90° or 180°
- Custom color anodizing

\*For complete details on available options, please see page 13.\*

## STANDARD DIMENSIONS



# ORDERING OPTIONS

## MOUNTING CONFIGURATIONS FOR STEEL LEGS

### Outside Mount



The mounting flange is positioned so the legs are outside of the trailer frame.

### Inside Mount



The mounting flange is positioned so that the legs are inside of the trailer frame. This does require the frame to have a cutout to accommodate the crank shaft.

### No Mounting Plate



For this option there is no mounting flange on the legs. The customer will be responsible for attaching the legs to the trailer. This option is ideal when the legs are mounted to the front of the trailer instead of the sides.

## MOUNTING CONFIGURATIONS FOR ALUMINUM LEGS

### Gearbox Rotated 90°



The mounting flange being parallel to the crank shaft allows ideal mounting to the front of a trailer.

### Outside Mount



The mounting flange is positioned so the legs are outside of the trailer frame.

### Inside Mount



The mounting flange is positioned so that the legs are inside of the trailer frame. This does require the frame to have a cutout to accommodate the crank shaft.

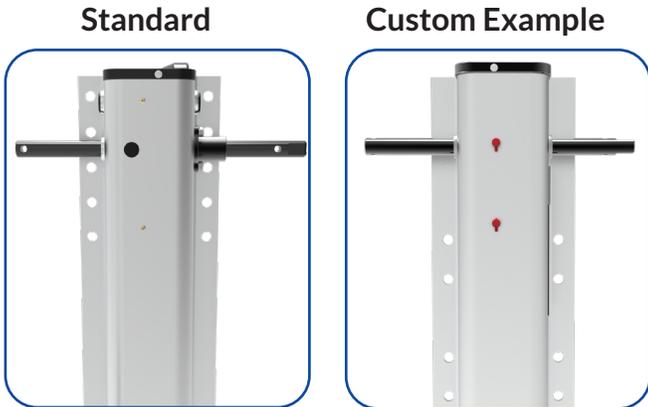
CALL SALES FOR CUSTOMIZED PART NUMBERS: 800-253-5105

## CUSTOM BOLT HOLE PATTERN

JOST International will work with the OEM to determine the necessary bolt hole pattern along the mounting flange. The customer may omit the holes for on-site customization.

### Available On:

KX Aluminum Series  
AX Aluminum Series



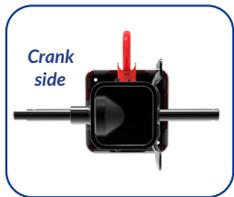
## DROP LEG ORIENTATION

The upper portion of the leg stays fixed while the drop handle for the lower leg can be oriented in 1 of 4 positions. The handle is highlighted in red below.

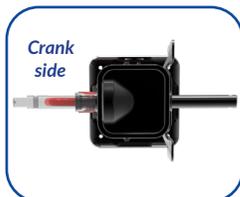
**Ex:** A400.\_\_\_.14 → A400.DDA.14

\*Leave third space blank for standard orientation\*

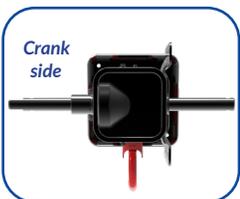
### Standard: DD



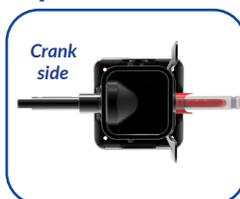
### Option A: DDA



### Option B: DDB



### Option C: DDC



### Available On:

All Series except AD

## CUSTOM BRACING

JOST International will work with the OEM to determine the necessary bracing that will be OEM specific. That bracing will then be welded on at our factory. The leg will then receive any coating options required. This option allows for a custom, install-ready product delivered to the customer.

### Available On:

Every Series and Model

## ANODIZING

On the aluminum series JOST International can anodize the aluminum upper with almost any color requested by the customer. Please note, the lower portion of the leg is steel and can be powder coated a similar color.

### Available On:

KX Aluminum Series  
AX Aluminum Series

## POWDER COAT FINISH

Steel legs can be finished with a custom powder coat that can be any color and finish. This coating will be applied to the entire leg.

### Available On:

AD Series  
K4 Series  
A4 Series

## GALVANIZED FINISH

Steel legs can be ordered with a hot-dipped galvanized finish. On K4 and A4 series the lower portion of the leg is steel and can be powder coated but cannot be galvanized. The AD series both the upper and lower are galvanized.

### Available On:

AD Series  
A4 Series  
K4 Series

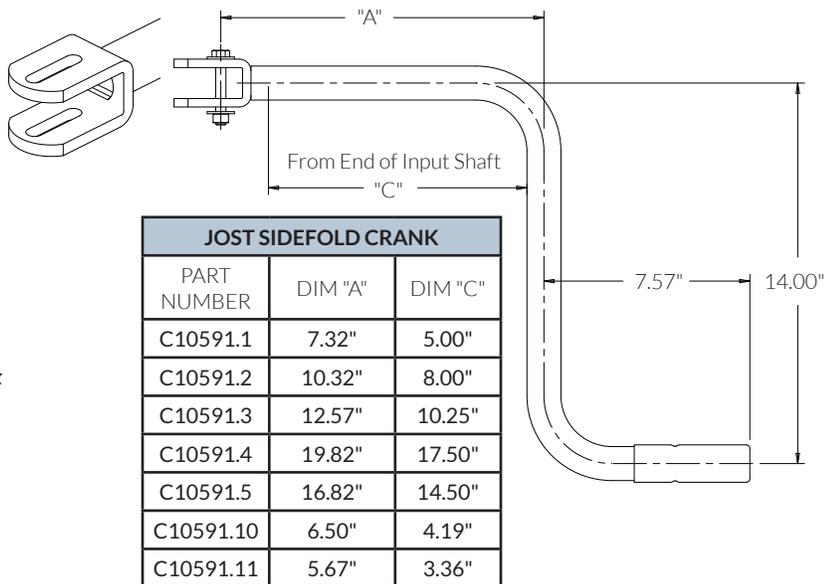
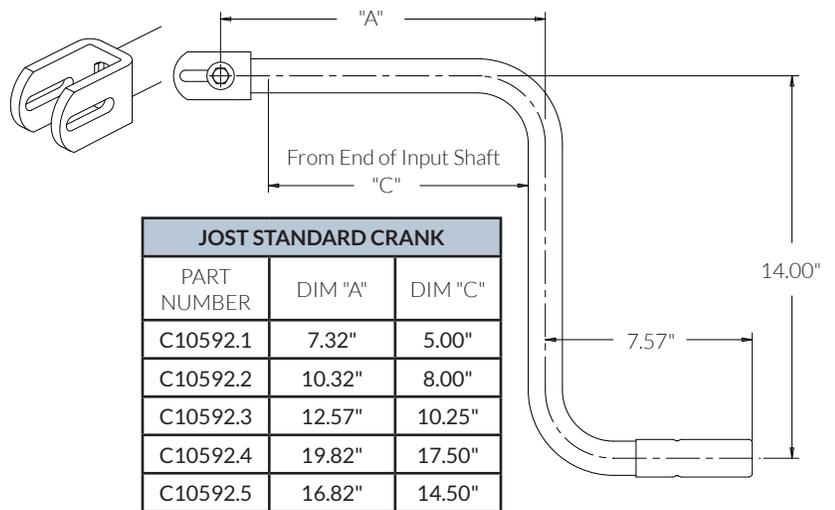
CALL SALES FOR CUSTOMIZED PART NUMBERS: 800-253-5105

# ACCESSORIES

## JOST CRANK HANDLES

All JOST legs have a unique shaft and handle that uses a "double flat" shape to efficiently transfer power directly from the handle to the input shaft without transmitting torque through the bolt.

\*Part numbers listed in charts include hardware\*



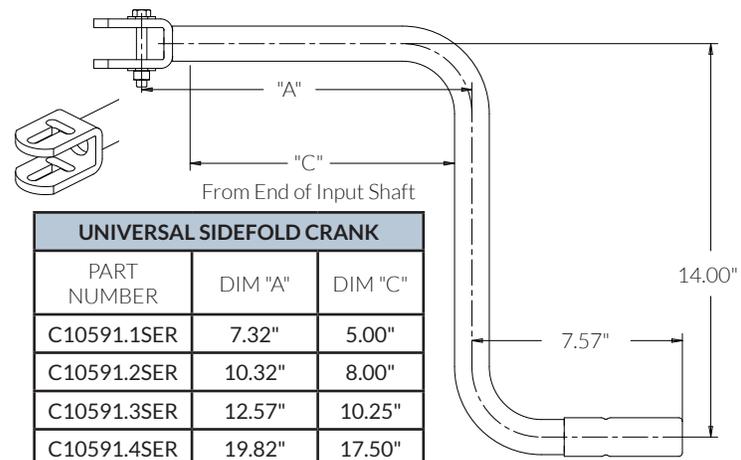
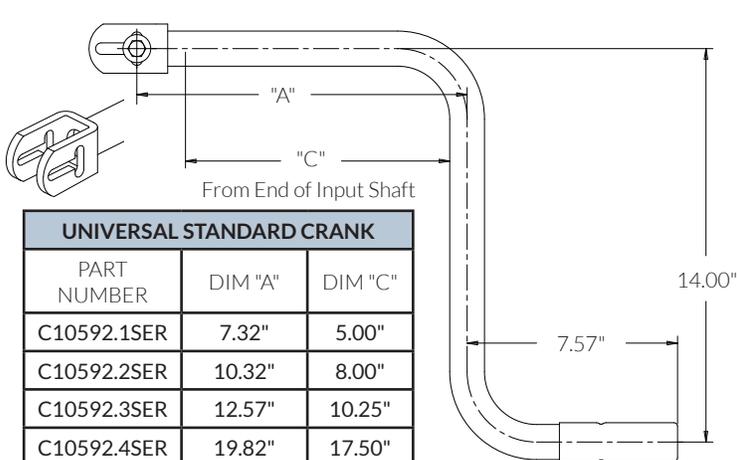
### Crank Handle Application

**Important:** An attached and stowed crank handle is recommended when not in use to prevent unintended extension during transit.

Please contact JOST International for solutions when using a removable crank handle.

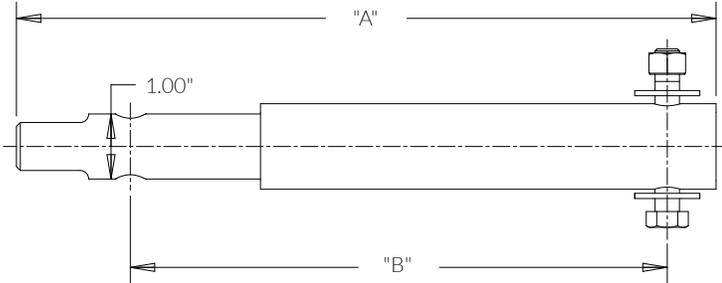
## UNIVERSAL CRANK HANDLES

This crank handle does not utilize the "double flat" feature and will fit most legs regardless of manufacturer.

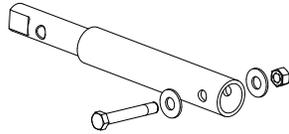


## CRANK HANDLE EXTENSION

The crank handle extension can be used when the legs are mounted to the front of the trailer. It allows the handle to be extend past the trailer frame to avoid clearance issues. **\*Part numbers listed in charts include hardware\***



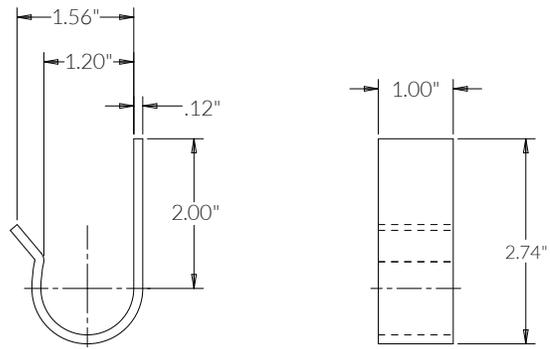
CRANK HANDLE EXTENSION		
PART NUMBER	DIM "A"	DIM "B"
11952	6.00"	3.75"
12683-0750	7.50"	5.00"
12683-1075	10.75"	8.25"
12683-2075	20.75"	18.25"
12683-4025	40.25"	37.75"



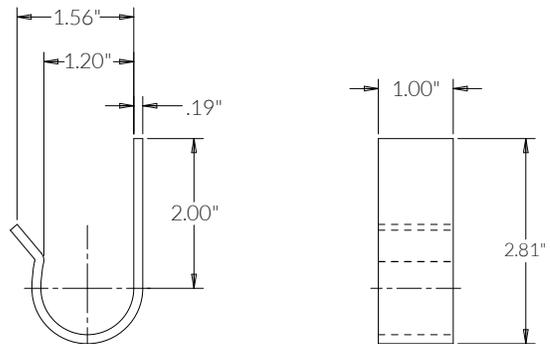
## CRANK HANGER

Available in steel or aluminum the crank hanger can be installed on the leg by JOST with your order, or using the part numbers below, they can be replaced or free for any desired application.

### Steel Crank Hanger Part # B10261



### Aluminum Crank Hanger Part # 12390



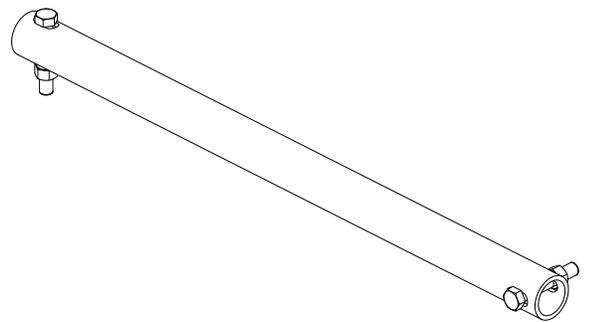
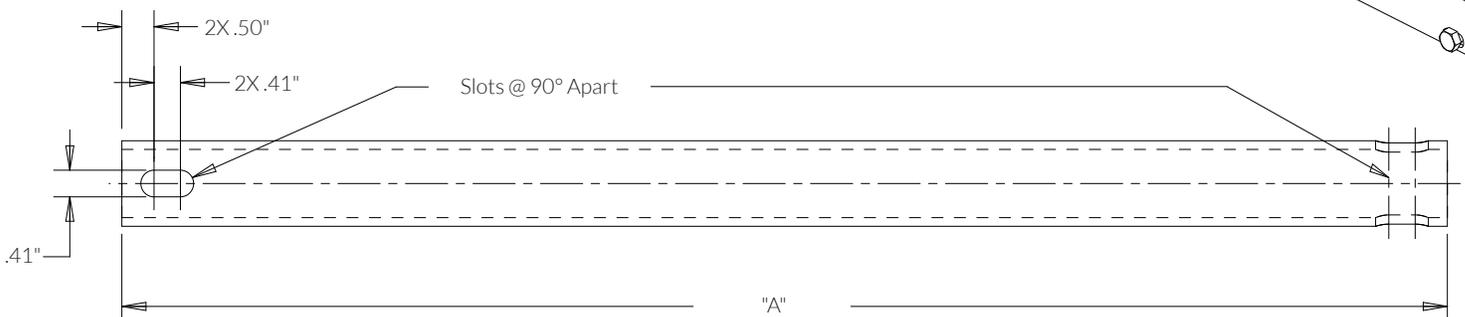
## CROSS SHAFT

Cross shafts are cut to order to fit every application. Using the prefix "B10066.XX.XX" measure the necessary length and replace the X's in the part number with the length in inches including two decimal places.

### Part number determined by length

**Example: Part Number B10066.56.50 is 56.50" @ Dim. "A"**

**\*Part numbers listed in charts include hardware\***



# ACCESSORIES

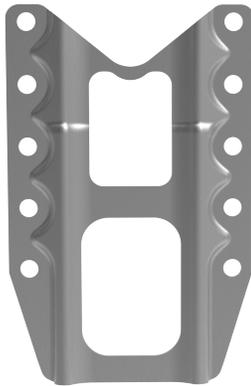
## STEEL MOUNTING FLANGE

Mounting flanges for steel legs can be ordered loose for customer use on-site.

### 10-Bolt Mounting Flange Part Number: D10241

Uncoated and ready to weld.

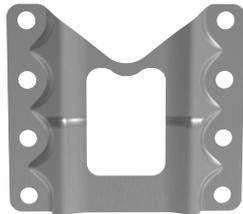
See page 10 for dimensions.



### 8-Bolt Mounting Flange Part Number: D11874

Uncoated and ready to weld.

See page 4 for dimensions.



## DROP LEG PIN

### Assembly Part Number: 12195

Hitch pin and lanyard included.



## SHIFTER SHAFT & HOUSING

To replace, remove the four nuts and rotate the shaft so the JOST logo and timing mark point up. Pull the full assembly out and replace with new part.

### Assembly Part Number: B10285.SER



## ALL COVERS & HARDWARE

### Part Number: C10259



### Part Number: C10217



### Part Number: 12319-2



\*Cover part numbers do not include hardware\*

### Part Number: 12389



### Part Number: 12319-0



### Part Number: A10059-1



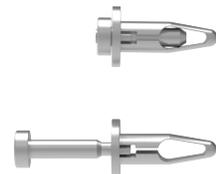
### Part Number: 12389-1



### Part Number: 12319-1



### Part Number: 12675



## DROP LEG COVER CHARTS

STANDARD COVER PART NUMBERS			
Series	Crank Side	Non-Crank Side	Hardware
<b>K405</b>	C10259	C10259	A10059-1
<b>KX100</b>	12389	12389	12675
<b>KX101</b>	12389	12389	12675
<b>KX103</b>	12389-1	12389-1	12675
<b>A400</b>	C10217	C10259	A10059-1
<b>AX100</b>	12319-0	12389	12675
<b>AX101</b>	12319-1	12389	12675
<b>AX103</b>	12319-2	12389-1	12675
<b>AD500</b>	Non-cranking leg uses C10259		A10059-1

GEAR ENGAGEMENT COVER KIT PART NUMBERS	
Series	Crank Leg
<b>K405</b>	13469
<b>A400</b>	13482
<b>AX100</b>	13471-0
<b>AX101</b>	13471

### JOST's Gear Engagment Covers

- Spring located underneath to engage gear teeth.
- Typically used in removable crank handle applications.



\*Part numbers listed in chart includes hardware\*





## History of JOST



- 1952 Establishment of the factory for turntables in Neu-Isenburg, Germany
- 1956 JOST begins production of fifth wheels
- 1960 Production begins in South Africa  
Foundation of Great Britain Ltd. JOST
- 1970 Foundation of JOST Italia S.R.I.  
Foundation of JOST South Africa (Pty.) Ltd  
Foundation of JOST France  
Foundation of JOST Belgium NV
- 1980 **Foundation of JOST International Corp. in Grand Haven, Michigan**  
Foundation of JOST Iberica, Spain  
Foundation of Australia Pty JOST Ltd  
Landing gear production doubles
- 1990 **JOST International in Grand Haven Begins landing gear production**  
Foundation of JOST Far East Pte. Ltd  
Foundation of China JOST  
Foundation of JOST Brazil  
Foundation of Hungaria  
New product offerings for the container equipment and intermodal equipment introduced
- 2000 **Fifth wheel production begins in Greeneville, Tennessee**  
JOST acquires the Rockinger product line of tow bars and trailer hitches in Germany  
Foundation of JOST Rus  
Acquisition of REGENSBURGER  
Acquisition of Tridec Steering Solutions  
Foundation of JOST India  
Foundation of JOST Polska
- 2012 Foundation of JOST Japan  
Acquisition of Edbro Hydraulic Systems

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