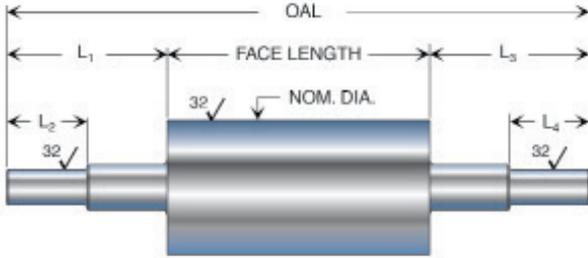


# Standard Aluminum Live Shaft Idler Rolls



- Lightweight alternative to Steel Idler Rolls
- Nominal diameters of 3, 4, 5 and 6 inches
- Face lengths up to 120 inches
- Custom designs available

When a steel live shaft idler isn't light enough, consider aluminum. Webex has simplified the ordering process by offering standard models with pre-engineered specifications. You determine the journal configuration, roll diameter and face length needed to meet your application.

Live shaft idlers have several application advantages:

### High Loads

Self-aligning pillow blocks and flange bearings used to mount live shaft idlers are capable of handling higher loads than comparable dead shaft idlers using rigid bearings.

### Elevated Temperature\*

Webex Aluminum Live Shaft Idlers can handle substantially elevated temperatures with proper venting. This makes Live Shafts ideal in ovens where an elevated temperature or solvent atmosphere would quickly destroy dead shaft roll bearings.

### Harsh Environments

By positioning the roller bearings out of the immediate web path, exposure to process contaminants is minimized. That's why Live Shaft rolls are often ideal in applications where chemicals, dust or vapors commonly destroy dead shaft roll bearings.

## ALUMINIUM LIVE SHAFT IDLER ROLL SPECIFICATIONS

Material	6061- T6 aluminum tubing machined for minimum stock removal
Finish	32 Ra
Straightness	Within the greater of 0.002 inch or 0.0005 inch/foot of length
Journal Material	1018 carbon steel

## ADDITIONAL OPTIONS

### Coatings

- Hardcoat Anodize
- Electroless Nickel
- Rubber Covering
- High Release Tungsten-Carbide (Plasma) Coatings

### Machined Surface

- Reverse Taper
- Chevron Groove
- Spiral "V" Groove
- Matte Finish
- Diamond Knurl
- Herringbone Groove
- Micro Groove

Ordering is easy with Webex's simple model nomenclature.

**LSA -300 x 30"**



\*Any idler intended for use in elevated temperatures must have proper venting to avoid explosion. Please be sure to identify such applications upon ordering.

# STANDARD ALUMINUM MODEL **LSA**

## LSA-300

3.0 inch nominal diameter

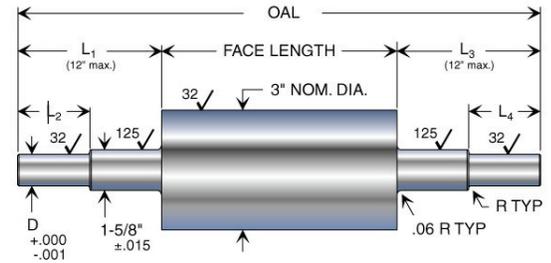
1/2 inch wall, 6061-T6 aluminum tubing machined for minimum stock removal

Dynamically balanced at 1,500 FPM

Journal Runout to O.D. within:

Face Length to 48 inches within 0.002 inch

Face Length to 72 inches within 0.004 inch



## LSA-400

4 inch nominal diameter

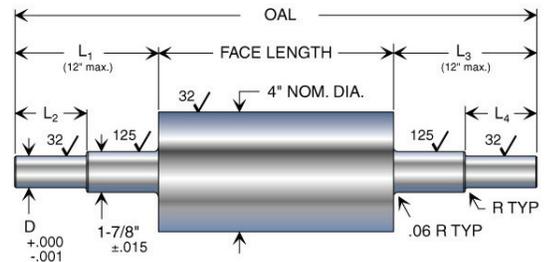
1/2 inch wall, 6061-T6 aluminum tubing machined for minimum stock removal

Dynamically balanced at 1,500 FPM

Journal Runout to O.D. within:

Face Length to 48 inches within 0.002 inch

Face Length to 80 inches within 0.004 inch



## LSA-500

5 inch nominal diameter

1/2 inch wall, 6061-T6 aluminum tubing machined for minimum stock removal

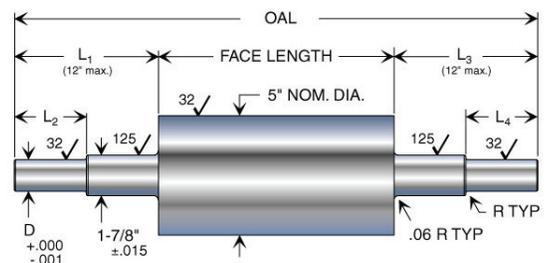
Dynamically balanced at 2,000 FPM

Journal Runout to O.D. within:

Face Length to 48 inches within 0.002 inch

Face Length to 80 inches within 0.004 inch

Face Length to 106 inches within 0.005 inch



# STANDARD ALUMINUM MODEL **LSA**

## LSA-600

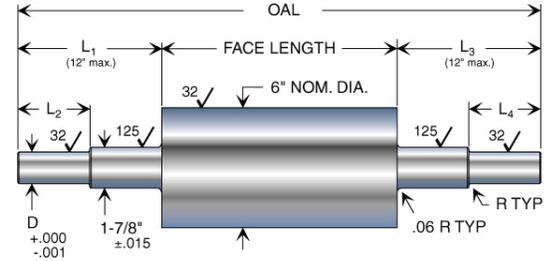
6.0 inch nominal diameter

1/2 inch wall, 6061-T6 aluminum tubing machined for minimum stock removal

Dynamically balanced at 2,000 FPM

Journal Runout to O.D. within:

Face Length to 48 inches within 0.002 inch  
 Face Length to 80 inches within 0.004 inch  
 Face Length to 106 inches within 0.005 inch



## SPECIFICATION CHART

Additional information on journal length, journal diameter and line speed would ideally be filled in using this Specification Chart.

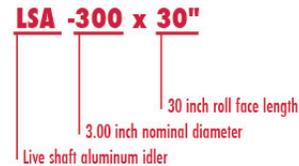
For single diameter journals,  
 L1 = L2 and L3 = L4

D	
L1	
L2	
L3	
L4	
FACE	
OAL	
SPEED	

# Webex Precision Idler Roll Models

- |            |   |            |   |
|------------|---|------------|---|
| <b>A</b>   | Dead Shaft Aluminum                             | <b>LSA</b> | Live Shaft Aluminum                             |
| <b>LW</b>  | Dead Shaft Lightweight Aluminum                 | <b>LSS</b> | Live Shaft Steel                                |
| <b>UL</b>  | Dead Shaft UltraLight™ Lightweight Aluminum     | <b>LCR</b> | Live Shaft Stainless Steel                      |
| <b>S</b>   | Dead Shaft Steel                                | <b>LSC</b> | Live Shaft FeatherLight™ Carbon Fiber Composite |
| <b>CR</b>  | Dead Shaft Stainless Steel                      |            |   |
| <b>DSC</b> | Dead Shaft FeatherLight™ Carbon Fiber Composite |            |   |

**ORDERING IS EASY WITH WEBEX'S  
SIMPLE MODEL NOMENCLATURE.**



**CUSTOM SIZES AND METRIC OPTIONS AVAILABLE**

*Speak with a roll expert!*

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