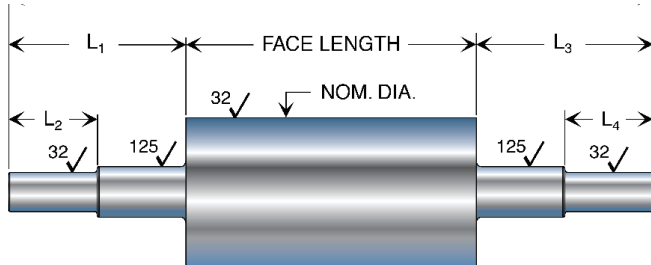


# Standard Steel Live Shaft Idler Rolls



Nominal diameters of 3, 4, 5 and 6 inches  
 Face lengths up to 120 inches  
 Custom designs available

Live Shaft Steel Idlers are often ideal whenever the web or the environment challenges roll integrity or performance.

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 Live Shaft Steel 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.

## STANDARD STEEL LIVE SHAFT IDLER ROLL SPECIFICATIONS

Material	1026 carbon steel tubing machined for minimum stock removal
Finish	32 Ra
Runout and Straightness	Within the greater of 0.002 inch or 0.0005 inch/foot of length
Journal Material	1018 carbon steel

## ADDITIONAL OPTIONS

### Coatings

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

### 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.

**LSS -300 x 30"**



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

# STANDARD STEEL MODEL LSS

## LSS-300

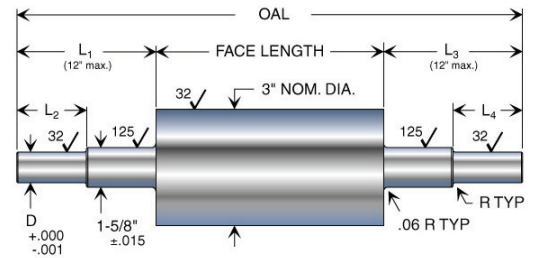
3 inch nominal diameter

3/16 inch wall, 1026 carbon steel tubing machined for minimum stock removal

Dynamically balanced at 1,000 FPM

Journal runout to roll O.D. within:

face length to 48 inches within 0.002 inch  
face length to 72 inches within 0.004 inch



## LSS-400

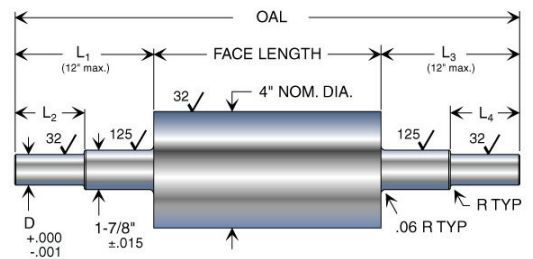
4 inch nominal diameter

1/4 inch wall, 1026 carbon steel tubing machined for minimum stock removal

Dynamically balanced at 1,500 FPM

Journal runout to roll O.D. within:

face length to 48 inches within 0.002 inch  
face length to 80 inches within 0.004 inch



## LSS-500

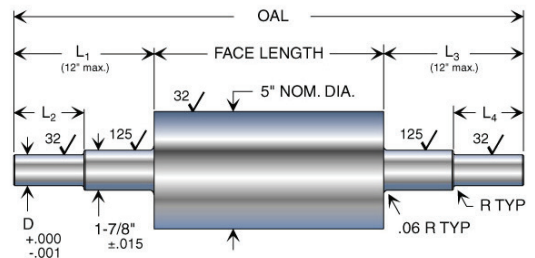
5 inch nominal diameter

5/16 inch wall, 1026 carbon steel tubing machined for minimum stock removal

Dynamically balanced at 2,000 FPM

Journal runout to roll 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 STEEL MODEL **LSS**

## LSS-600

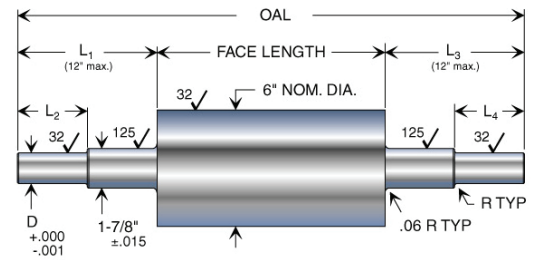
6 inch nominal diameter

3/8 inch wall, 1026 carbon steel tubing machined for minimum stock removal

Dynamically balanced at 2,000 FPM

Journal runout to roll 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

**A**

Dead Shaft Aluminum

**LW**

Dead Shaft Lightweight Aluminum

**UL**

Dead Shaft UltraLight™ Lightweight Aluminum

**S**

Dead Shaft Steel

**CR**

Dead Shaft Stainless Steel

**DSC**

Dead Shaft FeatherLight™ Carbon Fiber Composite

**LSA**

Live Shaft Aluminum

**LSS**

Live Shaft Steel

**LCR**

Live Shaft Stainless Steel

**LSC**Live Shaft FeatherLight™  
Carbon Fiber Composite

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

**LSS -300 x 30"**

**CUSTOM SIZES AND METRIC OPTIONS AVAILABLE**

*Speak with a roll expert!*

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