

# PRECISION ROLL

## MASTER CATALOG



FOX | MAGNAT FAIRVIEW | PFE

# PRECISION ROLL MODELS

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# STANDARD ALUMINUM MODEL **A**

## A-350-125

3.5 inch nominal diameter

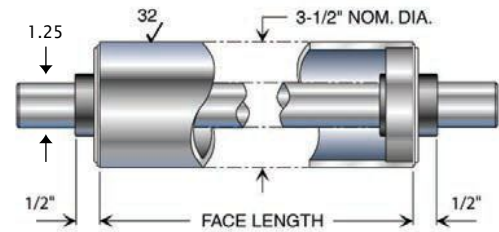
1/2 inch wall, 6061-T6 aluminum tubing machined for minimum stock removal

Balanced at 1,500 FPM

Idler weight (lbs.) =  $3.40 + (0.42 \times \text{Face Length inches})$  w/o shaft

Generally available in Face Lengths up to 84 inches

Face straightness and run-out to Bore within the greater of 0.002 inch or 0.0005 inch/foot of Face Length



### Also Available with Bearings for the Following Shaft Diameters

0.75 inch	A-350-075
1.25 inch	A-350-125
1.50 inch	A-350-150

## A-400-150

4.0 inch nominal diameter

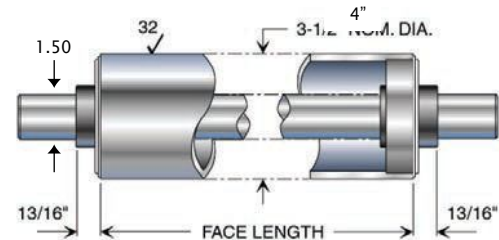
1/2 inch wall, 6061-T6 aluminum tubing machined for minimum stock removal

Balanced at 1,500 FPM

Idler weight (lbs.) =  $4.00 + (0.49 \times \text{Face Length inches})$  w/o shaft

Generally available in Face Lengths up to 96 inches

Face straightness and run-out to Bore within the greater of 0.002 inch or 0.0005 inch/foot of Face Length



### Also Available with Bearings for the Following Shaft Diameters

0.75 inch	A-400-075
1.00 inch	A-400-100
1.25 inch	A-400-125

## A-450-150

4.5 inch nominal diameter

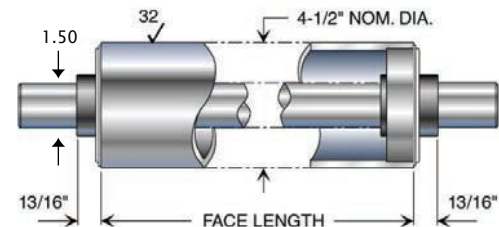
1/2 inch wall, 6061-T6 aluminum tubing machined for minimum stock removal

Balanced at 1,500 FPM

Idler weight (lbs.) =  $4.45 + (0.56 \times \text{Face Length inches})$  w/o shaft

Generally available in Face Lengths up to 100 inches

Face straightness and run-out to Bore within the greater of 0.002 inch or 0.0005 inch/foot of Face Length



### Also Available with Bearings for the Following Shaft Diameters

0.75 inch	A-450-075
1.00 inch	A-450-100
1.25 inch	A-450-125
2.00 inch	A-450-200

# STANDARD ALUMINUM MODEL **A**

## A-500-150

5.0 inch nominal diameter

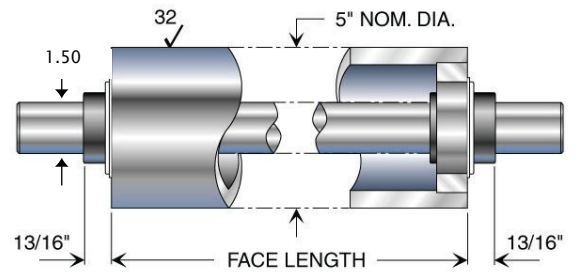
1/2 inch wall, 6061-T6 aluminum tubing machined for minimum stock removal

Balanced at 2,000 FPM

Idler weight (lbs.) =  $5.17 + (0.63 \times \text{Face Length inches})$  w/o shaft

Generally available in Face Lengths up to 120 inches

Face straightness and run-out to Bore within the greater of 0.002 inch or 0.0005 inch/foot of Face Length



### Also Available with Bearings for the Following Shaft Diameters

0.75 inch	A-500-075
1.00 inch	A-500-100
1.25 inch	A-500-125
2.00 inch	A-500-200

## A-600-150

6.0 inch nominal diameter

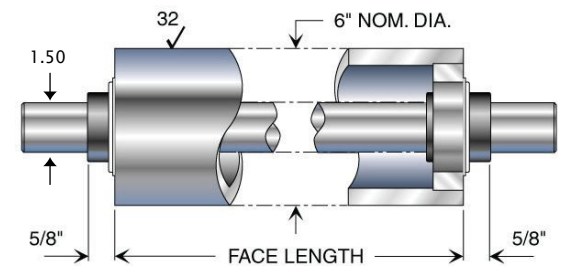
1/2 inch wall, 6061-T6 aluminum tubing machined for minimum stock removal

Balanced at 2,000 FPM

Idler weight (lbs.) =  $6.90 + (0.77 \times \text{Face Length inches})$  w/o shaft

Generally available in Face Lengths up to 130 inches

Face straightness and run-out to Bore within the greater of 0.002 inch or 0.0005 inch/foot of Face Length



### Also Available with Bearings for the Following Shaft Diameters

0.75 inch	A-600-075
1.00 inch	A-600-100
1.25 inch	A-600-125
2.00 inch	A-600-200

## A-800-200

8.0 inch nominal diameter

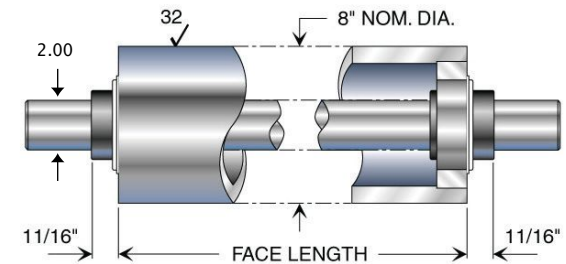
1/2 inch wall, 6061-T6 aluminum tubing machined for minimum stock removal

Balanced at 2,000 FPM

Idler weight (lbs.) =  $13.38 + (1.05 \times \text{Face Length inches})$  w/o shaft

Generally available in Face Lengths up to 150 inches

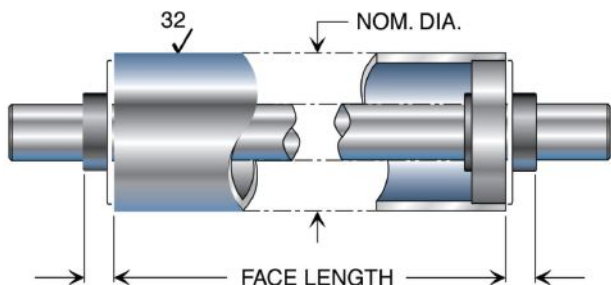
Face straightness and run-out to Bore within the greater of 0.002 inch or 0.0005 inch/foot of Face Length



### Also Available with Bearings for the Following Shaft Diameters

0.75 inch	A-800-075
1.00 inch	A-800-100
1.25 inch	A-800-125
1.50 inch	A-800-150

# Lightweight Aluminum Dead Shaft Idler Rolls



- Ideal for low-inertia, low-tension applications
- Lower break-away torque
- Reduced web slippage
- Better tension control
- Greater sensitivity in transducer applications
- Reduced bearing side-thrust
- Same shaft and mount configuration as standard aluminum idlers
- Low-friction bearings installed
- Ultra low-friction, oil-lubricated bearings optional

When you need an idler lighter than the standard aluminum models, but stronger than an UltraLight™, take a closer look at Webex Lightweight Aluminum Idlers. Webex Lightweight Aluminum Idlers offer you the same precision construction and design detail as our standard aluminum idlers – but with half the wall thickness and half the roll weight. Break-away torque is less and roll inertia is lowered. All this gives you a high-performance roll ideal for low tension applications.

In all other ways, Webex Lightweights are directly comparable to our standard aluminum idlers. Both are dead shaft designs using the same steel shafts and low-friction bearings. Both are precision balanced for maximum performance over a wide range of speeds. And both are available as Webex standards – offering you consistent, repeat performance roll to roll and order to order.

## LIGHTWEIGHT ALUMINUM DEAD SHAFT IDLER ROLL SPECIFICATIONS

Material	6061-T6 aluminum tubing machined for minimum stock removal
Bearings	Low-friction, grease-lubricated bearings installed in each end of the roller
Finish	32 Ra or better
Runout and Straightness	Within the greater of 0.002 inch or 0.0005 inch/foot of length
Balanced	Dynamically balanced to standard specification or your specified line speed

## ADDITIONAL OPTIONS

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>Steel inserts for elevated temperature and wear resistance</li> <li>Bearings recessed and flush with roll face</li> <li>Metric bearings</li> <li>Metric shafts</li> </ul> | <b>Coatings</b> <ul style="list-style-type: none"> <li>Hardcoat Anodize</li> <li>Electroless Nickel</li> <li>Rubber Covering</li> <li>High Release Tungsten Carbide (Plasma) Coatings</li> <li>Chrome Plating</li> </ul> | <b>Machined Surface</b> <ul style="list-style-type: none"> <li>Reverse Taper</li> <li>Chevron Groove</li> <li>Spiral "V" Groove</li> <li>Matte Finish</li> <li>Diamond Knurl</li> <li>Herringbone Groove</li> <li>Micro Groove</li> </ul> |
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Ordering is easy with Webex's simple model nomenclature.

**LW -500 x 125 x 42"**

