Things to consider before making

...the Rite Choice.

www.riteidler.com
Rolls Built Better to Last Longer

In any business, value is judged based on the lowest cost to accomplish the task at hand. In the bulk material handling business this means achieving the lowest cost per ton to move your product from where it is to where you need it to be.

Conveyors are engineered to accommodate the weights, volumes, speeds and distances that are required to transport your product. CEMA (Conveyor Equipment Manufacturers Association) has established a set of voluntary standards governing a wide range of specifications for the components that make up a conveyor. For idlers, they designate five duty classes: B, C, D, E and F, with B being the lightest duty and F the heaviest.

If all idlers were created equal then your choice would be simple. Gather pricing for the correct CEMA class of idlers or rolls and go with the lowest price. Unfortunately all idlers and rolls are not created equal.

At Rite Idler we pride ourselves on building products better to last longer. The single most important component in any idler are the bearings. When a bearing seizes the belt can quickly change the roll into a piece of scrap metal with razor sharp edges. Conveyor belting is far too valuable to risk sliding it across the sharp edges of a failed roller.

It is for this reason that, at Rite Idler, our primary design focus has always been the protection and proper lubrication of our bearings. This ensures a long and productive life for our rolls and therefore the best value for you, our customer. In the roll cutaway below, you will see how we meet this goal. Our sealing system incorporates seven component parts. Four of these seals lie between the bearing and the roll end. The other three seals lie between the bearing and the interior of the roll. We do not use sealed for life bearings. This allows us to inject a much larger volume of high quality grease that surrounds the bearing and fills the cavity completely! This configuration results in 10 to 15 times the volume of grease found in a roll with sealed for life type bearings.
Key Features of Rite Idler Rolls

✓ Standard 6” and 7” diameter rolls have .250” wall thickness.
✓ Standard 4” and 5” diameter rolls have .150” wall thickness. The option is available to have .250” wall thickness.
✓ Shaft is hollow above 13” roll length.
✓ Hollow shafts are stronger than solid shafts. This results in less shaft deflection as well as reduced weight.
✓ Plugs are machined for interference fit inside bearing diameter. This reduces the risk of bearing distortion from oversize fit and excessive play in under-sizing.
✓ Plugs are internally threaded to accept specialty shaft ends.
✓ Shaft ends can be made to fit virtually any frame dimension or slot size.
✓ Bearing housing is machined to:
  ‣ Ensure quality of outside bearing housing diameter.
  ‣ Ensure concentric fit with can.
✓ Can is bored to accept housing and has a continuous weld at interior of can edge eliminating any possibility of belt contact and wear. This also improves the T.I.R. (straightness) of the roll.
✓ Depth of bearing housing allows for extensive seal arrangement, including rear seal.
✓ Seal channel design allows for pressure greasing of complete cavity.
✓ This product line is available in steel, rubber, urethane, HDPE, and plastic or ceramic coated rolls.
Already convinced that we are the Rite choice for all your idler needs or just looking to discuss your needs further?

You can always reach us at your local Rite Idler distributor!

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