



Specialty Products



Specialty products available in most Series



Abrasion Resistance

Many of the bulk materials moved by conveyors can be very abrasive and/or corrosive. To help protect our idler rolls and frames against these elements we offer a range of options. Our rolls can be lagged with a variety of different rubbers, coated with a ceramic impregnated epoxy compound or sleeved with HDPE (High Density Polyethylene) or urethane. We offer the option of galvanized frames to aid in combating corrosion.

Rubber

We have a variety of different rubber rolls to choose from to suit your conveyor system needs. Rubber can be used for abrasion resistance, belt cleaning or to lesson the stress on an idler. *Non-castellated rubber rolls* are used for wear resistance. *Pure Gum rolls* are a soft rubber roll used on the return side of the conveyor to clean the belt. Our *castellated rolls* are used for abrasion resistance as well as the prevention of material build up on rolls used on the return side of a conveyor. *Rubber impact rolls* are used in impact areas in order to lesson the stress on the conveyor belt as material is being dropped onto the belt. No matter what your rubber roll needs are, we can help you make the **Rite** choice!





HDPE

HDPE (High Density Polyethylene) covered rolls are used for abrasion & corrosion resistance. We utilize our standard steel roll with a 1/2" HDPE sleeve pressed onto it.

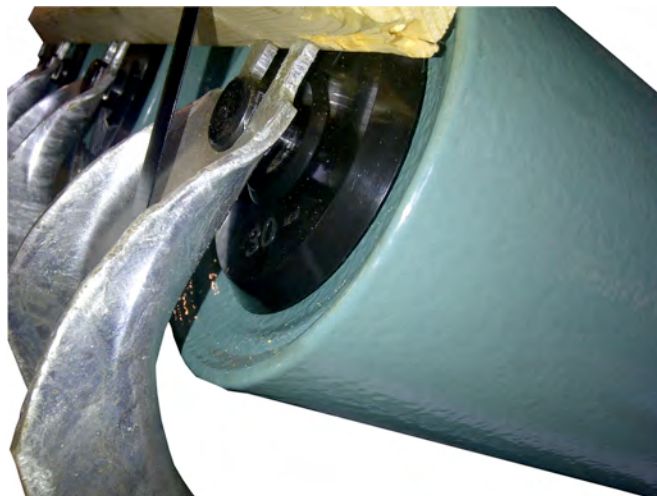


Urethane

Urethane rolls are also an excellent choice for abrasion resistance. We use our standard steel rolls with a 1/2" urethane sleeve pressed onto it.

Ceramic

Ceramic rolls are used in very abrasive situations. Our Rite Idler ceramic rolls are made by taking our regular rolls and coating them with an epoxy which has ceramic embedded within it.





Galvanized Frames

Frames can experience corrosion due to the materials traveling on the conveyor belt, and even from the environment that the conveyor is in. Marine and salt water environments are a prime example of this. For this reason we offer the option of having any of our frames *galvanized*. We accomplish this using hot dipped galvanizing. For more severe applications, alternate coatings are available.



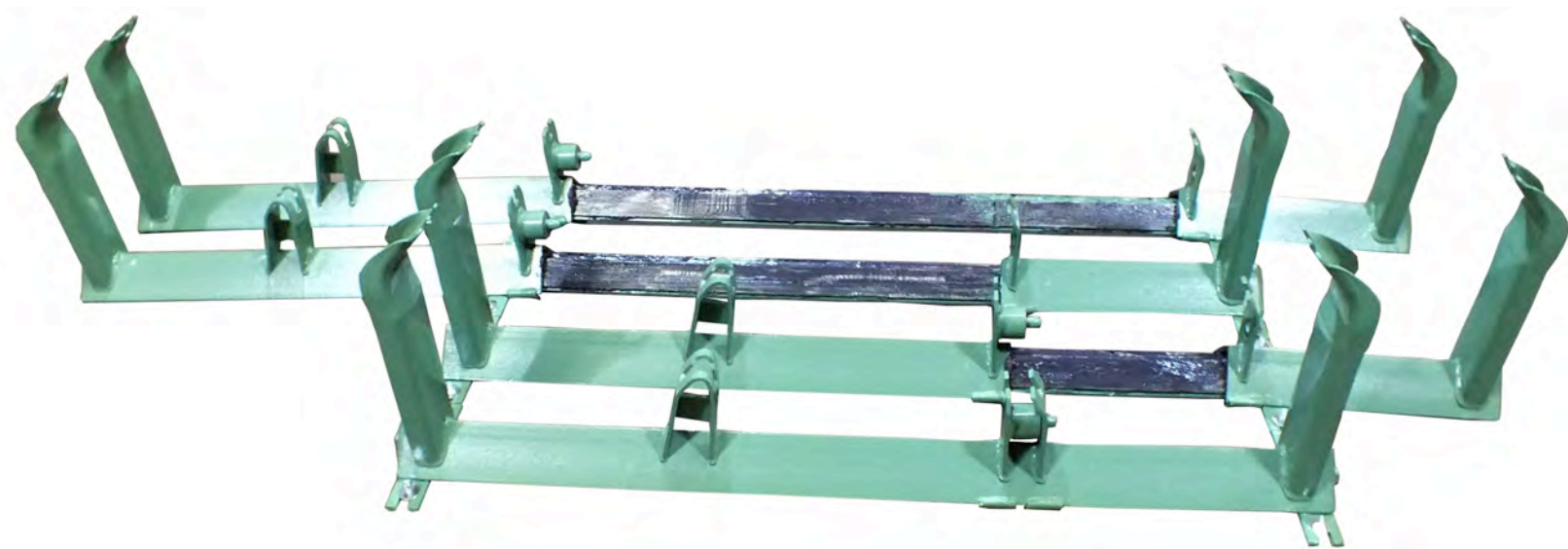
Choosing the ***Rite*** abrasion resistant product to use on your conveyor system is a matter of personal preference. Rite Idler's ceramic, HDPE and urethane rolls are all quality products designed to help reduce abrasion on your systems. Our galvanized frames are a great option for those working with corrosive material.



Retractable Idlers

In impact areas, or in heavily skirted areas of a conveyor system it is very difficult or even impossible to lift the belt in order to change the rolls. This leads to longer downtimes and greater frustrations when these rolls need to be changed.

The Retractable Idler is one of two options we offer to solve this problem. This product allows for the center roll and both wing rolls to be easily and quickly changed. One side slides out to give you access to one wing roll. The other side slides out to give you access to both the center and wing roll. This allows the rolls to get clear of the belt, making it easy to change *ALL* rolls.

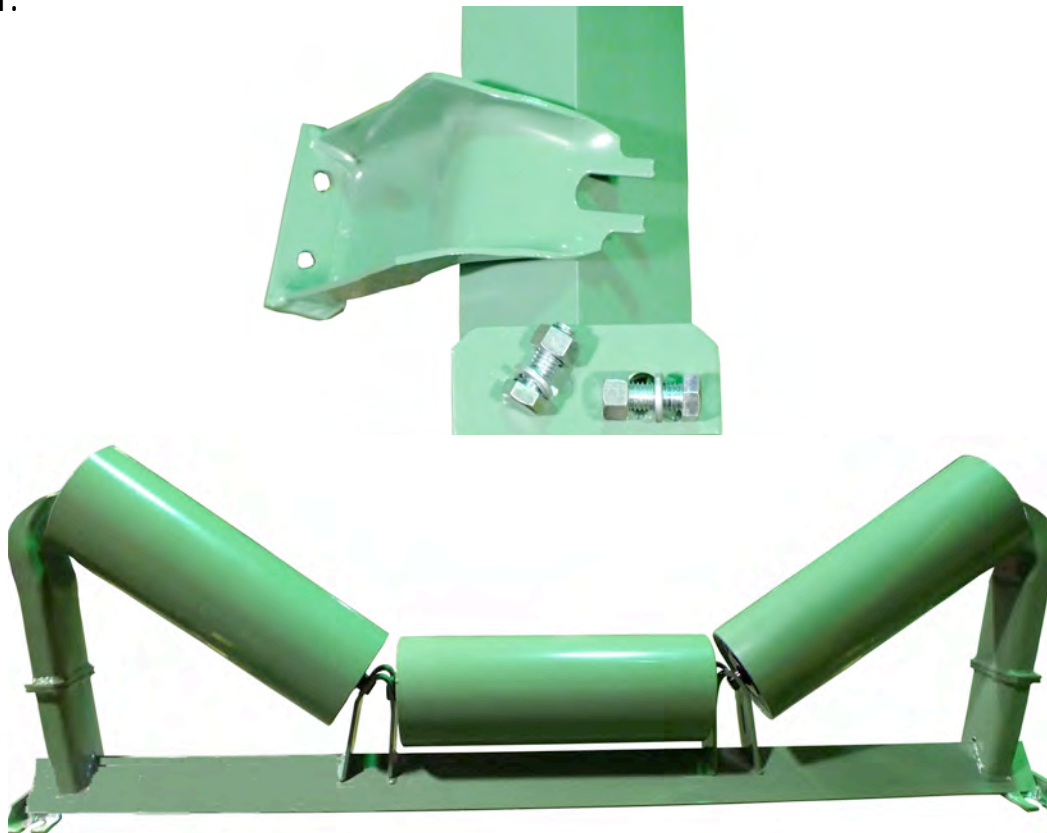




Removable End Brackets

In impact areas, or in heavily skirted areas of a conveyor system it is very difficult or even impossible to lift the belt in order to change the rolls. This leads to longer downtimes and greater frustrations when these rolls need to be changed.

Our Removable End Bracket frames are our more economical solution to help solve this problem. This frame allows for easy removal of both wing rolls. All you need to do is undo the bolts on the end bracket and the top half of the bracket will lift out of the way. This will allow for the easy removal of the wing rolls. It is a much more economical solution than our retractable design for removing wing rolls, however it does not allow for the easy removal of the center roll.





Inverted "V" Tracking System

Conventional return training idlers can be a *huge problem!* The moving parts wear out, guide rolls fall off, debris gets lodged in the mechanisms and most people just end up roping them off to one side. Our Inverted "V" tracking system solves this problem!

The Inverted "V" Tracking System is a convenient and easy solution to your return tracking needs! Our Inverted "V" Returns are used in conjunction with regular return rolls on either side of it to make up the tracking system. The regular return rolls on either side are one CEMA rating higher than the rest of the system. The inverted V's put pressure down directly on the belt, and then the next regular return roll ahead of it will track the belt straight. This system has *NO* moving parts! The only parts that move on this tracking system are the rolls spinning. All you do is set them up one time and let them run!





3 Roll Return Idlers

Rite Idler's **3** roll return idler is the best and most effective return idler on the market! There are three major reasons why we can proudly make this claim. First, this design utilizes three shorter rolls as opposed to just one longer roll. This increases the number of bearings from two to six, doubling the carrying capacity of the idler, and decreasing the number of return idlers required on your system by half!

Second, the rolls used on the return are the same rolls used on the trough side of the belt, eliminating the need to stock extra spare rollers of another size! Not only will this simplify things and free up space, you will also be able to use less manpower due to the reduced weight of each roll!

Finally, the 3 roll return idler has the same ability to track your belt on the return side as a conventional return idler does, but it comes with two additional features! The belt is held in a trough on the return side rather than flat, so the forces that cause your belt to track off now have to battle gravity to try to push the belt up the incline of the return wing rolls. Our frames are designed so that both wing rolls tilt forward **2°** in the direction of travel. This results in the belt being pushed to the centre of the idler and therefore towards the centre of the conveyor.

The 3 roll return idler is the **Rite** choice for your return side of the belt. Not only is it the best and most effective product but it is also available in a special version which can solve material carry back on your belt. Placing the special version of our 3 roll return where the centre roll is lagged with pure gum rubber in strategic locations on the conveyor can effectively remove material that has accumulated without effecting the overall operation of the conveyor!

Already convinced this is the **Rite** product for you or just looking to discuss your needs further? Contact any of our technical specialists for more information on how switching to **3** roll return idlers is the **Rite** choice for you!





Guide Rolls

Guide rolls are designed to prevent belts from tracking off. They can be used on both the trough and return side of the conveyor belt. The problem with many guide rolls is the design itself. A conveyor belt can quickly wear down the steel of the guide roll and make it unusable.

Rite Idler's guide rolls solve this problem because we have specifically designed ours to last longer. All of our guide rolls are custom-designed for specific applications and are machined out of solid steel billets. More steel means a longer life for our rolls. Our CNC capabilities allow our guide rolls to be custom-designed as required for different guiding requirements.





Extreme Duty Impact Idlers

When heavy duty is not enough, you have to go to the *Extreme*. Rite Idler's "Extreme Duty" impact idlers are the perfect solution for tackling your toughest requirements. Pictured below is our **16"** rubber tire impact idlers which can withstand the toughest impact conditions and are custom designed specifically for your application.

The end components of these idler rolls are precision machined in our CNC department. To achieve the durability required to stand up against the toughest loads, our 65 series incorporates **63132RS** bearings.

With these products far surpassing CEMA F standards you can be assured that we are the *Rite* choice for all your extreme duty needs!

