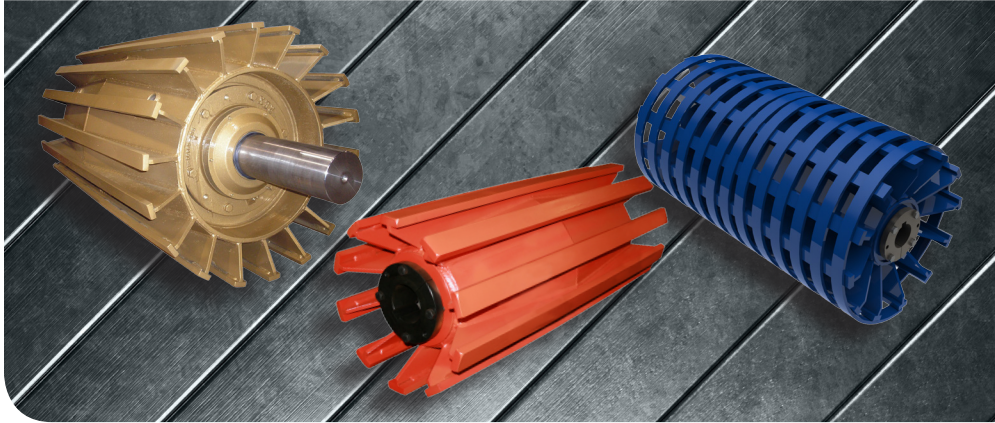




## It's All About the Pipe-End!

- Improved Pipe-End Construction
- Importance of Maximum Wing Height

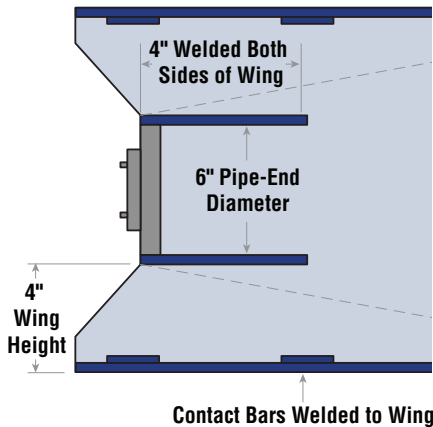
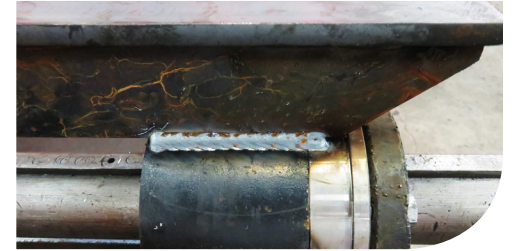


*Martin* manufactures all Wing Pulleys using a different construction method to other major Pulley manufacturers in North America.

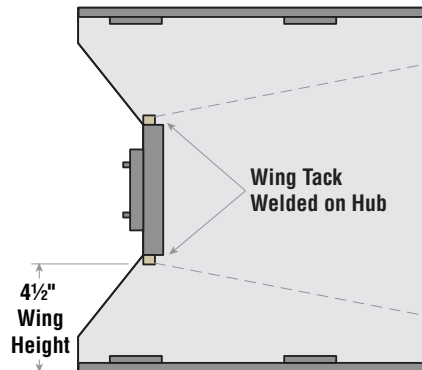
The *Martin* Wing Pulley offers numerous strength benefits that help to combat many of the most common Wing Pulley failure modes.

### Why Have Pipe-End Construction?

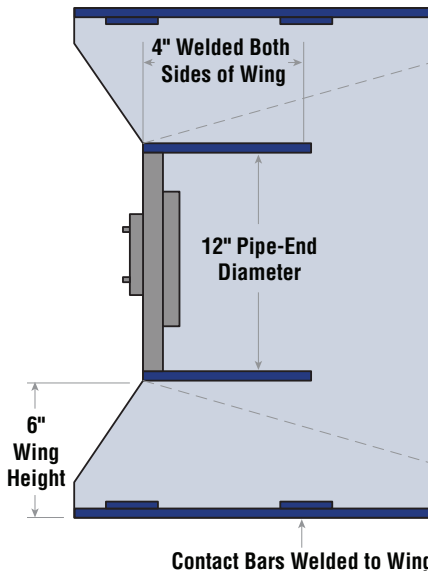
All *Martin* Wing Pulleys are built around a pipe in both ends with a minimum 4" long weld on both sides of the Wings. This offers a much stronger core than tack welding the Wings directly to the hub.



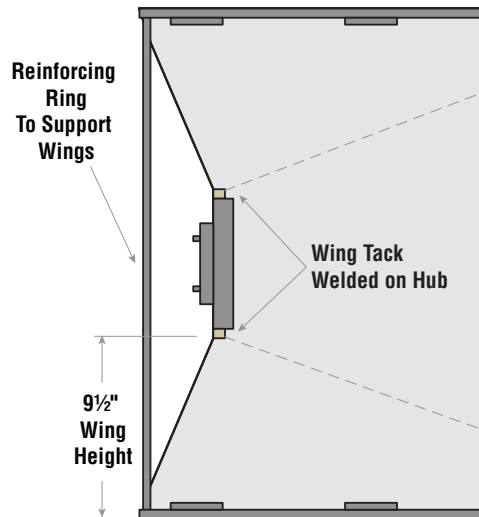
14" Diameter  
*Martin* Wing Pulley



14" Diameter  
"Brand X" Wing Pulley



24" Diameter  
*Martin* Wing Pulley



24" Diameter  
"Brand X" Wing Pulley

### Importance of Maximum Wing Height

When belt tension is increased on the conveyor system, the weakest link is often the Wings on the Wing Pulley. *Martin* uses a maximum Wing height of 6" so it does not require reinforcing rings on any Pulleys. Reinforcing rings are often troublesome due to rocks getting jammed and not discharging. The 6" maximum Wing height drastically reduces the chance of Wing fold over.



## It's All About the Wings!

- Heavy-Duty Contact Bars
- Integral End-Disc Construction

## Heavy Wing & Contact Bars

Minimum .250" thick  
Wings and .375" x  
1.25" contact bars on  
standard duty Wing  
Pulleys.



## Integral End-Disc Construction

Available on any Wing Pulley and is often the standard construction method.

The hub is machined directly into the End-Disc mounted inside the Pipe-End eliminating the hub to end plate connection.



## Also Available

- Wing Lagging  
(rubber & urethane)



### Fun Fact

Weight is typically a common selling feature on *Martin* Drum Pulleys but it can be different on a *Martin* Wing Pulley.

By using a larger Pipe-End and shorter Wing heights, the overall weight of the Pulley could be lighter than the competition even using heavier Wings and Contact Bars.

THAT'S OK AS LONG AS YOU KNOW WHY the *Martin* Wing Pulley could be lighter than the competition.

## Martin Conveyor Pulley Nomenclature

<b>Face</b>	<b>C S D 120 26 X25 L 3 H</b>	<b>Lagging Style</b>
<b>C</b> Crown <b>F</b> Flat		<i>If no letter, Lagging is Smooth</i> <b>H</b> Herringbone <b>D</b> Diamond Groove <b>C</b> Ceramic <i>(no thickness specified)</i> <b>S</b> Slide Lagging <b>R</b> Radial/Circumferential <b>P</b> Parallel (with shaft)
<b>Pulley Type</b>		
<b>S</b> Standard Duty <b>M</b> Mine Duty <b>Q</b> Quarry Duty <b>QAR</b> Quarry Duty AR <b>E</b> Engineered Class		
<b>Pulley Style</b>		<b>Lagging Thickness</b>
<b>D</b> Drum <b>W</b> Wing <b>CF</b> Clean Lagging®		2 1/4"    4 1/2"    6 3/4" 3 3/8"    5 5/8"
<b>Diameter</b>		<b>Lagging No suffix, no lagging</b>
<i>Example:</i> <b>120</b> 12.0" <b>065</b> 6.5"		
<b>Face Width</b> In inches		



**Free  
Download**  
*Martin* Heavy-Duty  
Conveyor Pulley Catalog

Scan to download

