

# CONVEYOR PULLEYS



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## Wing Pulleys – The Eradicator®

The Eradicator® wing pulley combines the best features of a traditional wing pulley with several unique performance enhancing characteristics to create the optimum self-cleaning solution.



### **DESIGN BENEFITS...**

- Enhanced Cleanout
- Increased Component Life
- Quieter Operation

US Patent# 8,857,606

#### DIAMETERS AVAILABLE

8" through 48"

THICKNESSES	WING	WING TIP
Standard Duty	7 gauge (.180")	3/4" Round
Heavy Duty	1/4"	1" Round
Mine Duty	3/8"	1-1/4" Round

#### HUB STYLES AVAILABLE

Welded Compression Hubs/Bushings (Type 4)  
Dead Shaft Assembly

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## Focus Flyer – The Eradicator®

The Eradicator® wing pulley combines the best features of a traditional wing pulley with several unique performance enhancing characteristics to create the optimum self-cleaning solution.



WATCH THE VIDEO



US Patent# 8,857,606

## **DESIGN BENEFITS...**

### ***ENHANCED CLEANOUT***

The Eradicator® dominates material displacement by forcing particulate away from the center of the pulley toward the open ends. PCI's exclusive design retains a traditional wing's belt slapping capability to prevent material buildup. Finally, cleanout ports maximize the material removal rate and minimize recirculation of material, creating the ultimate in self-cleaning solutions.

### ***INCREASED LIFE***

The hybrid design of The Eradicator® maximizes both the life of the pulley and the conveyor belt. PCI's self-reinforced design discourages wing fold over and prevents incidental damage to the pulley. The Eradicator® also maximizes belt life by reducing deformation commonly associated with high center point designs.

### ***QUIETER OPERATION***

The Eradicator® decreases noise by continuously contacting the belt while its straight center maximizes cleanout. Only the Eradicator® achieves the optimum balance of noise reduction and cleanout efficiency.

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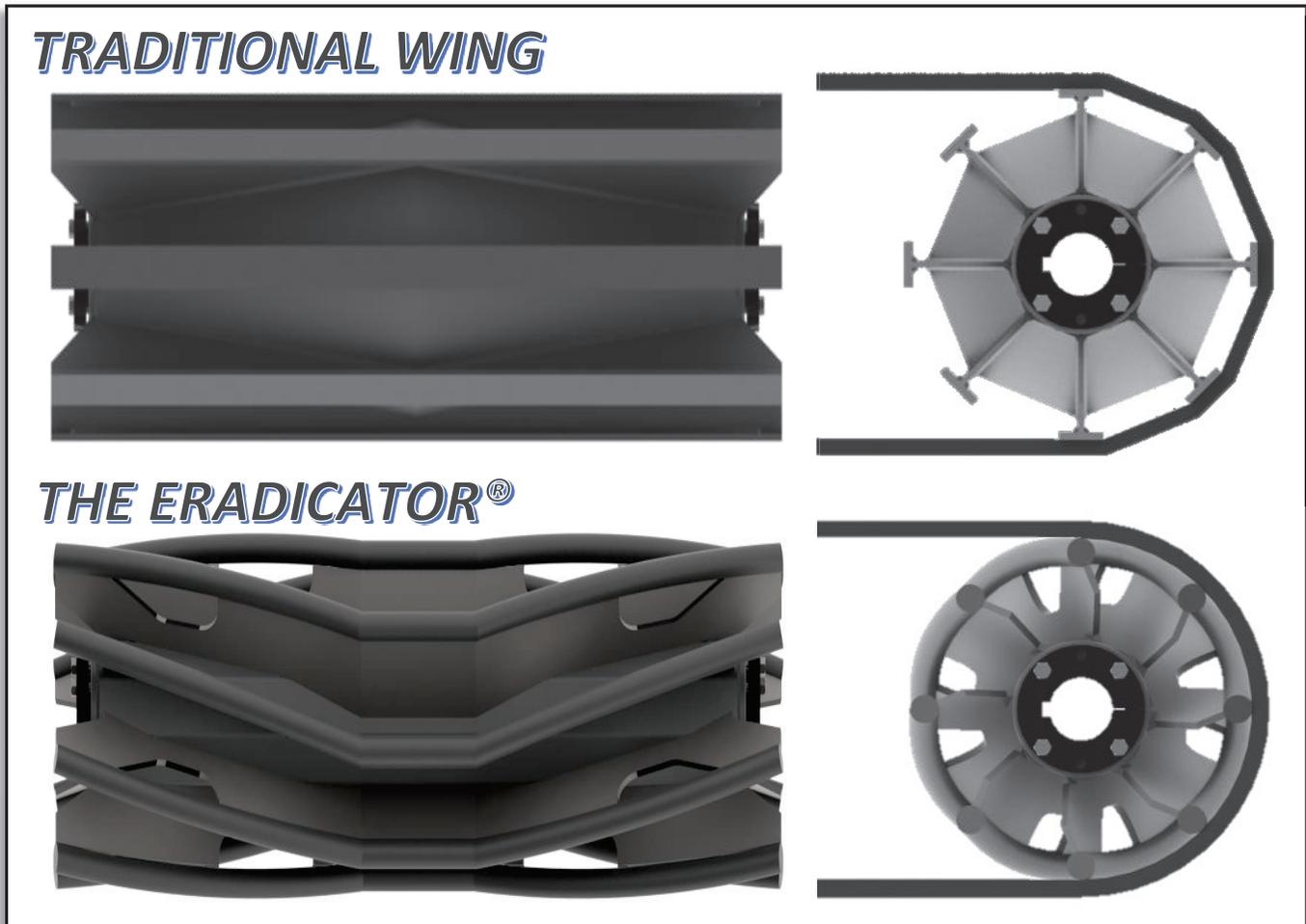
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## Focus Flyer – The Eradicator®

### *How is PCI's Eradicator different from a traditional Wing Pulley?*

The Eradicator™ wing pulley retains the belt cleaning benefits of a traditional wing while providing continuous belt contact and improved cleanout efficiency. These additional benefits provide longer component life and decreased noise. Traditional wing pulleys feature straight wings which contact the belt intermittently, entrapping and recirculating material rather than displacing it, which can lead to belt damage and pulley failure.



### *What applications benefit from using the Eradicator® Wing Pulley?*

Applications where loose materials are causing damage to either the belt or the pulleys would benefit from the use of The Eradicator® Wing Pulley. In addition to solving cleanout problems, PCI's Eradicator decreases operating noise compared to traditional wing designs, making it ideal for applications where noise reduction is also desired.

### *How does The Eradicator Wing Pulley compare to other enhanced wing pulley designs?*

Although other wing products may offer similar benefits, no other product offers the combination of benefits provided by the hybrid design of PCI's Eradicator wing pulley. Spiral wing designs achieve continuous belt contact but underperform in material removal because of their straight wing members. Other enhanced wing products feature a center high point, which eliminates the beater bar benefits of a traditional wing and may cause additional belt deformation. The hybrid design of The Eradicator® retains the belt cleaning benefits of a traditional wing while enhancing cleanout efficiency, offering unparalleled overall performance.

US Patent# 8,857,606