



STAINLESS STEEL PULLEYS

Built to Last, Built to Perform

PCI has been manufacturing conveyor pulleys with quality and reliability at the forefront. To help simplify your selection process, PCI has developed four distinct classes of stainless steel conveyor pulleys designed to meet the requirements of a variety of applications. Our unique approach to stainless steel conveyor pulley design provides you with stainless steel selection and solutions simplified.



(989)358-6149
www.pcimfg.com

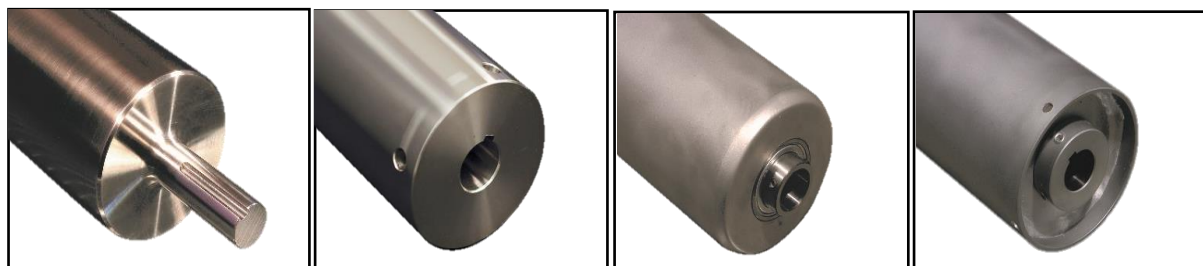
CONVEYOR PULLEYS

Focus Flyer

Corrosion Resistant Pulleys



Selection of appropriate components plays a critical role in achieving ultimate success in conveyor design. Without the use of proper tools and training, this selection process can be cumbersome and time consuming. To help simplify your selection process, PCI has developed four distinct classes of stainless steel conveyor pulleys designed to meet the requirements of a variety of applications. Our unique approach to conveyor pulley design provides you with *stainless steel selection and solutions simplified*.

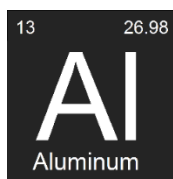


	SANITARY	SUPER-CLEAN	EASY-CLEAN	EXTRA-VALUE
304 Stainless	✓	✓	✓	✓
Surface Finish	32 Ra	125 Ra	250 Ra	"As Fabricated"
Flush End Disks	✓	✓	✓	
Fully Machined	✓	✓		
Media Treated ⁺			✓	✓
Hub Styles Available	Welded Shaft	Welded Shaft Keyed Hubs	Welded Shaft Keyed Hubs Internal Bearings	Welded Shaft Keyed Hubs Internal Bearings Compression Hubs
Cost	\$\$\$\$\$	\$\$\$\$	\$\$\$	\$\$

+ Media treated surfaces will have visual differences when Formed Crown (FC) vs. Machine Crown (MC) series and skim or sand marks will be seen

ALUMINUM *A Lighter Approach to Corrosion Resistance*

PCI Aluminum conveyor pulleys offer corrosion resistant alternatives to stainless steel with these unique advantages:



LIGHTER WEIGHT: The density of aluminum is nearly one-third the density of steel, giving it a distinct advantage in applications where the weight of pulley construction is a concern.

LOWER COST: The price of aluminum material is normally between the cost of carbon steel and stainless steel making it an economical alternative to stainless steel when carbon steel isn't providing the required level of corrosion resistance.



(989)358-6149

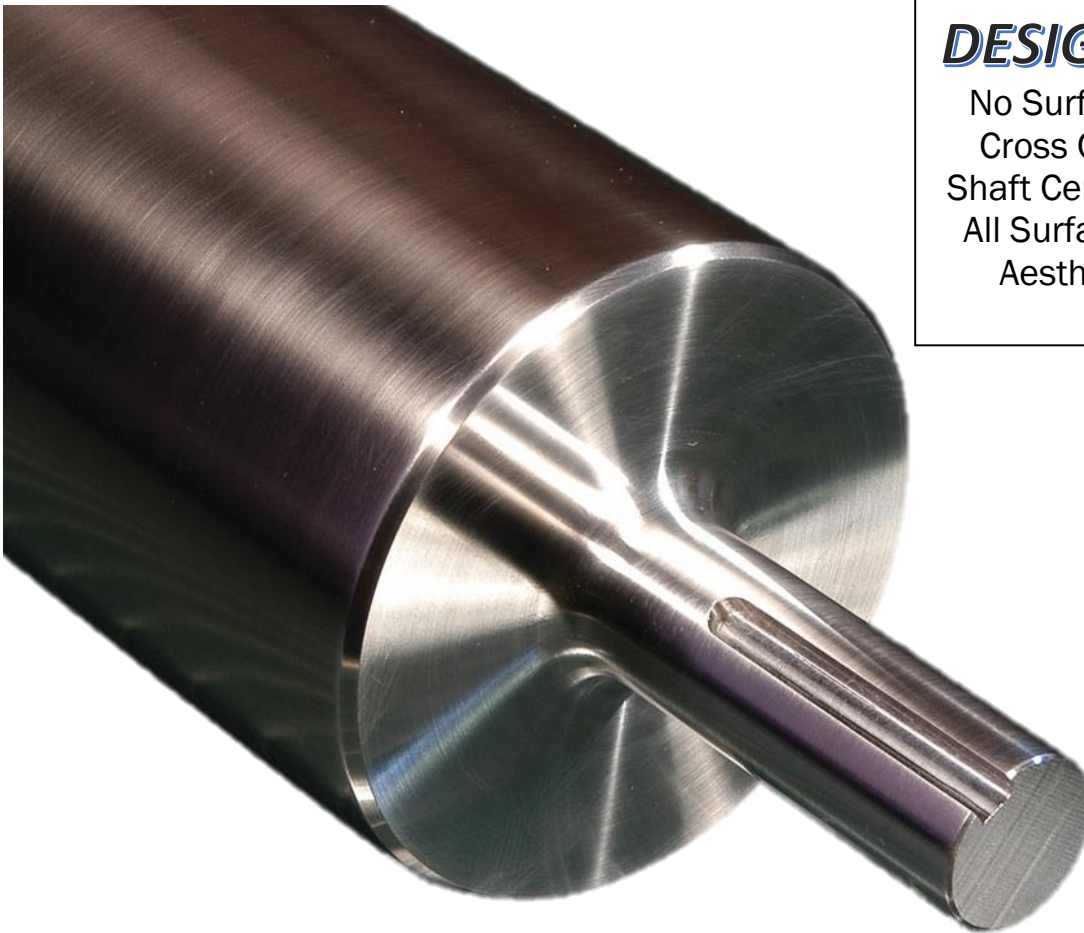
www.pcimfg.com

CONVEYOR PULLEYS

Stainless Steel – Sanitary Class



Manufactured to meet 3A, USDA and FDA requirements for cleanliness, PCI Sanitary Class pulleys offer a premium surface finish and intelligent construction for application success in strict sanitary environments. All steel surfaces are manufactured to a finish of 32 micro-inches or better and are free of imperfections such as scratches, nicks, or pits. Pulley construction is designed with flush end disks to deter buildup of harmful bacteria and axles are welded to prohibit access of contaminants to internal cavities. Extreme care is taken to avoid cross-contamination of stainless steel surfaces with ferrous metals during the entire manufacturing process. The design, construction and care taken while manufacturing a PCI Sanitary Class pulley make it the highest grade and most expensive of the PCI stainless steel conveyor pulley classes.



DESIGN BENEFITS

No Surface Imperfections
Cross Contaminant Free
Shaft Center Drills Removed
All Surfaces are Machined
Aesthetically Pleasing

CONSTRUCTION

304 Stainless Steel

SURFACE FINISHES

STAINLESS STEEL: 32 Micro-Inches (or better)
LAGGING: Vulcanized 64 Micro-Inches (or better)

END PLATE LOCATION

Flush with Pulley Ends

HUB STYLES AVAILABLE

Welded Shaft (*Type 1/Type A*)
Manufactured with shaft installed

CONVEYOR PULLEYS

Stainless Steel – Super-Clean Class



Manufactured to provide maximum cleaning efficiency and general aesthetics to the application, PCI Super-Clean Class pulleys are intended for conveyor applications requiring the benefits of a fully machined pulley where USDA or FDA sanitary compliance is not required. Super-Clean pulleys are designed with a 125 micro-inch or better surface finish on all surfaces including weld fillets to improve removal of debris. End plates are flush with the pulley ends to minimize buildup of debris. Although offering a high-grade finish, surfaces of a Super-Clean pulley may include imperfections such as pits, scratches, or small pockets. Super-Clean pulleys offer an economical alternative to achieve the benefits of a fully machined surfaces of a sanitary class pulley.



DESIGN BENEFITS

All Surfaces are Machined
Aesthetically Pleasing

CONSTRUCTION

304 Stainless Steel

SURFACE FINISHES

125 Micro-Inches (or better)

LAGGING: Vulcanized 125 Micro-Inches (or better)

END PLATE LOCATION

Flush with Pulley Ends

(Keyed hubs may extend)

HUB STYLES AVAILABLE

Welded Shaft (Type 1/Type A)

Manufactured with shaft installed

Keyed Hubs (Type 2/Type B/Type D)



(989)358-6149

www.pcimfg.com

CONVEYOR PULLEYS

Stainless Steel – Easy-Clean Class



Manufactured to provide benefits in cleaning efficiency to the application, PCI Easy-Clean class pulleys are intended for conveyor applications where direct food contact is not a primary concern. Easy-Clean pulleys offer a 250 micro-inch or better surface finish on all surfaces including weld fillets to allow for easy removal of material from pulley surfaces and end plates flush with the pulley ends to minimize buildup of debris. Because of their intended use, surfaces may include imperfections such as pits, scratches, or small pockets but are media treated to provide a uniform visual appearance. Easy-Clean class pulleys offer an economical solution for applications desiring some level of cleaning efficiency.



DESIGN BENEFITS

Surfaces are Media Treated
Aesthetically Pleasing

CONSTRUCTION

304 Stainless Steel

SURFACE FINISHES

250 Micro-Inches (or better)
LAGGING: Any PCI offering

END PLATE LOCATION

Flush with Pulley Ends
(Keyed Hubs and Bearing Races may extend)

HUB STYLES AVAILABLE

Welded Shaft (*Type 1/Type A*)
Keyed Hubs (*Type 2/Type B/Type D*)
Internal Bearings (*Type 3/Type C*)



(989)358-6149

www.pcimfg.com

CONVEYOR PULLEYS

Stainless Steel – Extra-Value Class



Designed to provide corrosion resistance and reduced magnetic properties to the intended application, PCI Extra-Value Class pulleys are intended for conveyor applications where sanitary requirements are not a concern. Because of their intended use, this class of pulleys offers a minimum grade surface finish, welds in “as-welded” condition and end plates recessed in the pulley ends. Pulleys in this class may have slight surface imperfections including pits, scratches, and small pockets however, surfaces are media treated to provide a uniform visual appearance. Extra-Value class pulleys are available in all standard hub configurations and are the most economical of the PCI Stainless Steel conveyor pulley classes.



DESIGN BENEFITS

Surfaces are Media Treated
Aesthetically Pleasing

CONSTRUCTION

304 Stainless Steel

SURFACE FINISHES

“As Fabricated”

LAGGING: Any PCI offering

END PLATE LOCATION

Recessed

HUB STYLES AVAILABLE

Plain Bore or Welded Shaft (*Type 1/Type A*)

Keyed Hubs (*Type 2/Type B/Type D*)

Internal Bearings (*Type 3/Type C*)

Welded Compression Hubs/Bushings (*Type 4*)

Contoured Integral End Disks/Bushings



(989)358-6149

www.pcimfg.com

CONVEYOR PULLEYS

Stainless Steel – Class X



PCI's dedication to creating a solution for every application drives our Class X product offering. The finish, construction and features of a Class X Pulley are custom designed every time to meet the individual needs of your unique application. If PCI hasn't already designed your solution, ask for a Class X solution!



CLASS "X" EXAMPLES INCLUDE:

*De-Magnetization
Food Grade Lagging
Knurling
Special Finishes*

*Wing Pulleys
V-Grooves
Super-Sanitary Designs
Your Next Solution.....*



(989)358-6149

www.pcimfg.com