Martin

PROFILED
END DISC PULLEY

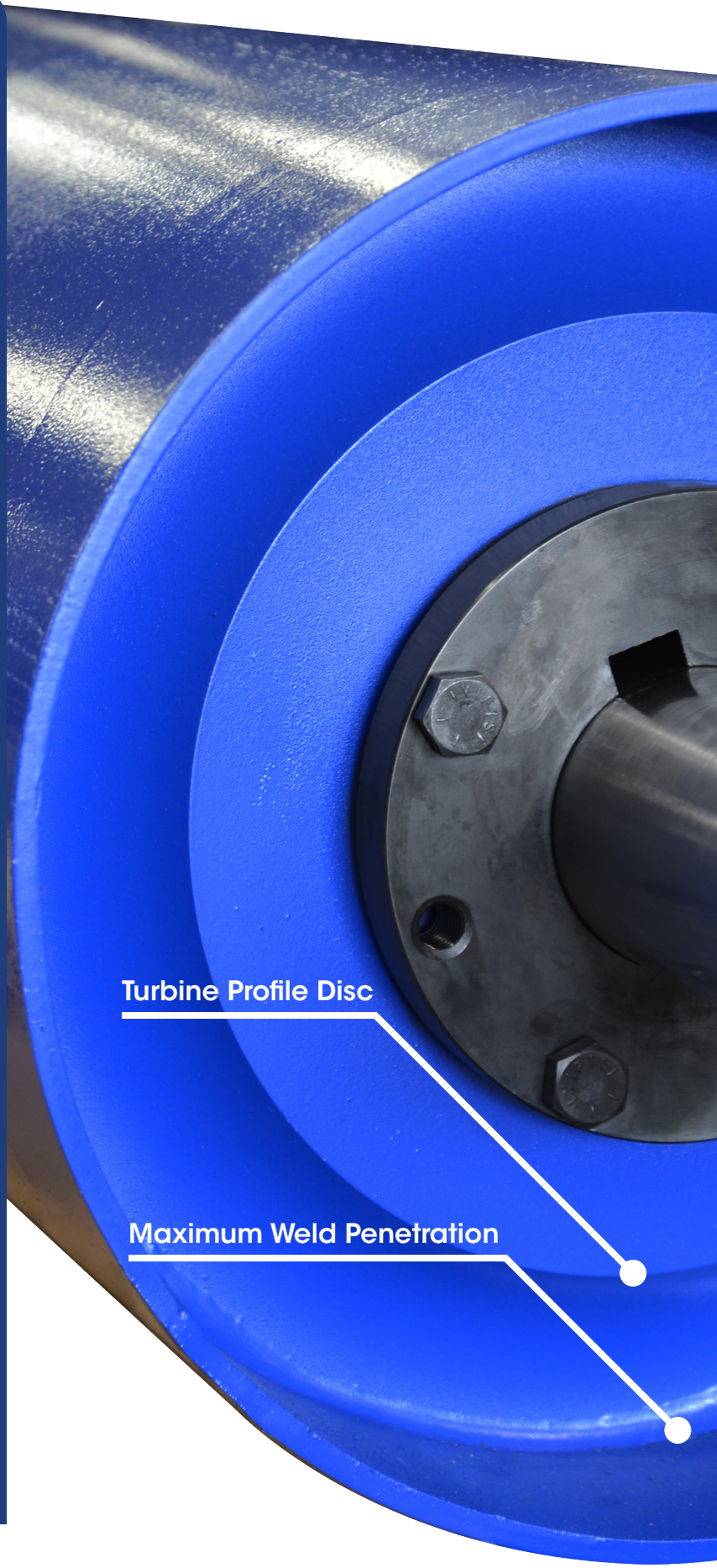
IMPROVED PERFORMANCE
PROFILED INTEGRAL END DISC
SUBMERGED ARC WELDING

Profiled End Disc Pulleys

Martin profiled end disc pulleys are engineered to offer an efficient and improved alternative to standard stock drum pulleys. Martin profiled end disc pulleys simplify the selection as they can be used in a wide range of applications from standard, mine, and quarry duty, thus reducing your replacement inventory. Instead of deciding what might be the best pulley for your application, now you have one choice that conveys them all.

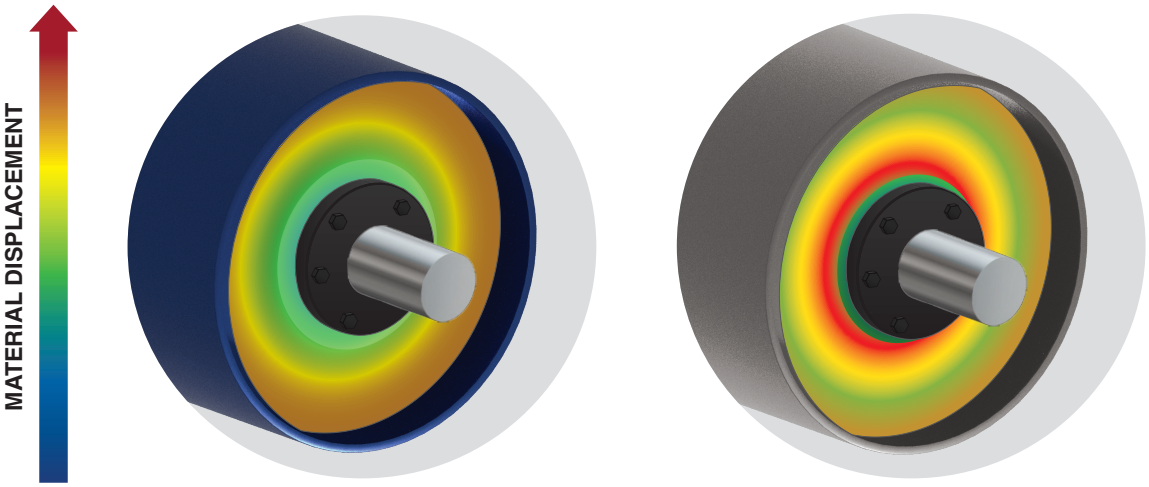
Martin profiled end disc pulleys are designed to meet today's demanding applications by offering the following standard benefits:

- **Profiled Integral End Disc**
  - » True-turbine profile end discs that distribute stress more evenly.
  - » Moves stress away from the hub and reduce the risk of failure.
- **Weldment**
  - » Submerged arc welding with machined-in weld preparation provides maximum weld penetration.
- **Optimization**
  - » Stocked with MXT bushings but available for keyless locking devices.



Optimized end disc profile

Profiled end disc pulleys are designed to meet today's demanding applications by utilizing a profiled integral end disc. The true-turbine profiled end disc distributes stress more evenly than a welded hub design, moving stress away from the hub and reducing the risk of pulley failure.

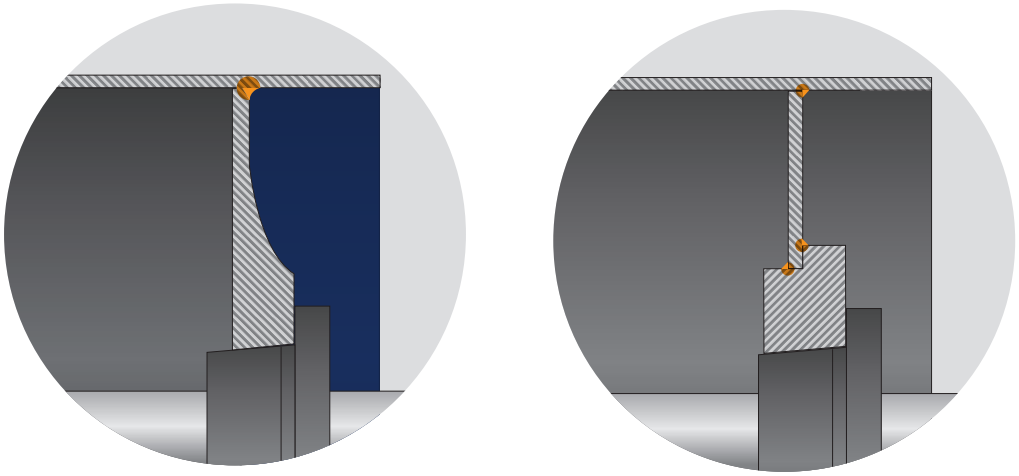


Martin profiled end disc pulley

Competitor profiled end disc pulley

Eliminating hub to end disc weld

Hub to end disc weld failure on a pulley with a welded hub is a common failure mode due to shaft deflection or cycle fatigue. The profiled end disc pulley utilizes an integral hub design with a flexible end disc and by removing the end disc to hub weld greatly reduces the chance of end disc failure.



Beveled weld prep on end disc & sub-arc weld ensure maximum weld penetration

Hub welded to end disc front & back

Nomenclature

C MES 12 26 X25 L 3 H

Face

C Crown
F Flat

Profiled End Disc Pulleys

Diameter 2 digits

12 12"

Face Width 2 digits

26 26"

Hub Size

Lagging and "L" if lagged

Lagging Thickness in 8th, 1 digit

3 3/8"

Lagging Style if no letter, lagging is smooth

H Herringbone
D Diamond Groove
C Ceramic (no thickness specified)
S Slide Lagging (no thickness specified)

Martin Sales and Engineering will work with you to completely solve your belt conveying needs. Since there are infinite amounts of conveying possibilities and configurations our sales and engineering staff are prepared to assist you with a custom solution.

Call Martin, we will be happy to assist you!

Free Download
Maintenance & Troubleshooting Guide
Scan to download

Locations

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