Martin now offers a comprehensive line of conveyor pulleys for your bulk material handling needs. Broadening our offering without compromising quality on:

- Pulleys — Lagged and Plain
- Shafts
- Take-Up Frames
- Bearings to Complete Assemblies
- Specialty Products

CLICK HERE to download Pulley Catalog

Martin SPROCKET & GEAR, INC.
www.martinsprocket.com • 817-258-3000
“The One You Rely On!”
# Heavy Duty Conveying

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**Pulleys**

*Martin* now manufactures heavy duty pulleys offering maximum protection against premature failure in harsh applications. This specialty product line is available as stock, and made-to-order with exceptional delivery time.

**Machined Drum Pulleys**
- 3-1/2" to 10-3/4" Diameter
- Manufactured from heavy wall pipe or tubing
- Crowned Face or Flat Face
- Several hub/bushing systems available
- Machined OD’s for better belt tracking and less vibration

**Mine Duty Drum Pulleys**
- 10" to 60" Diameter
- 3/8", 1/2", 5/8" Rims
- 1", 1-1/4" and Heavier End Discs
- 3/8" Center Plates
- Several Hub/Bushing Systems Available
- Double Sub-Arc Weldments

**Standard Duty Drum Pulleys**
- 3-1/2" to 60" Diameter
- 3/8" minimum End Disc
- 1/4" minimum Center Plates
- Several Hub/Bushing systems available

**Quarry Duty Drum Pulleys**
- 12" to 60" Diameter
- 1-1/4" and Heavier End Discs
- Full Depth Hub/Bushings
- 1/2", 5/8", 3/4" Rims
- 1/2" Center Plates
- Double Sub-Arc Weldments
### Heavy Duty Conveying

**Standard Duty Wing Pulleys**
- Available in 6” thru 60” diameter
- Minimum 1/4” thick wings
- Features unique CCI “End Pipe” design
  - Better protection against wing folding
  - Better protection against hub-weld fatigue
- Minimum 3/8” x 1-1/4" Contact Bars
- Minimum 10 ga. Gussets

**Mine Duty Wing Pulleys**
- Available in 8” thru 60” diameter
- Minimum 3/8” thick wings
- Features unique CCI “End Pipe” design
  - Better protection against wing folding
  - Better protection against hub-weld fatigue
- Minimum 5/8” x 1-1/2” contact bars
- Minimum 1/4” Gussets

**Quarry Duty Wing Pulleys**
- Available in 10” thru 60” diameter
- Minimum 3/8” thick wings
- Features unique CCI “End Pipe” design
  - Better protection against wing folding
  - Better protection against hub-weld fatigue
- Minimum 3/4” x 2” contact bars
- Minimum 1/4” Gussets

**Quarry Duty “AR” Wing Pulleys**
- Available in 10” thru 60” diameter
- Minimum 3/4” x 2” contact bars “AR 400” abrasive resistant steel
- Minimum 1/2” thick wings
- Minimum 5/16” Gussets
- Features unique CCI “End Pipe” design
  - Better protection against wing folding
  - Better protection against hub-weld fatigue
  - Features full depth keyed bushings and hubs for higher clamping to shaft

**Spiral Pulleys**
- Both Drum & Wing construction
- Reverse Helixes wrapped around outer diameter
- Pulley Flat Bar is under the Spiral Wrap for added protection
- Larger welds provide a better bond between the wrap and pulley
- Designed to remove material from belt
- Available in Standard, Heavy, Mine and Quarry Duty

**“DSP” - Dead Shaft Pulleys**
- Aggressive Construction
- Piloted flange cartridge - easily interchangeable with other brands
- Standard “off-the-shelf” Integral Bearing
- 3/4” Thick Fabricated Steel Mounting Pedestals
- Increased Diameter Shafting Behind Bearings to Reduce Deflection
- Available in Standard Duty, Mine Duty, Quarry Duty and Quarry Duty “AR” construction - Wing or Drum Style

**V-Guide Drum Pulleys**
- Crowned Face or Flat Face available in A, B, or C Groove construction
- 4” to 10” Diameter
- Several Hub/Bushing Systems Available
- Manufactured from Heavy Wall Pipe or Tubing
- Machined OD’s for Better Belt Tracking and less vibration
Martin's Lagging is designed to meet the demands of your application. We offer vulcanized rubber, cold bond lagging and strip lagging. Additionally we provide a unique brand of Ceramic Lagging custom fit to your application. Ceramic lagging is specifically designed to reduce slippage and improve tracking with a positive grip. This allows for lower belt tensions which extend the life of your conveyor components. Wear characteristics are also improved in harsh environments.

Other lagging compounds such as Urethane, EPDM White Food Grade FDA approved rubber, and many other lagging products are also available.

Vulcanized Rubber Lagging
- 4” through 72” Diameter in any thickness
- Available in Smooth, Herringbone or Diamond groove pattern
- Abrasive resistant

Ceramic Lagging
- Three to five times higher coefficient of friction than rubber to rubber
- Optimum tile positioning for combating tile displacement created by belt pull
- Maximum tile size for increased surface area
- Improved wear characteristics

VC-Lagg (Vulcanized Ceramic Lagging)
- 60 Durmometer rubber with high tensile rubber
- No sharp edges on tiles
- Water relief grooves between all tiles
- MSHA Compounds available
- Available in any size.

Take-Up Frames
Martin's Take-Up frames are fabricated from steel, offering superior strength and durability in the most rugged conditions.
- Available in Top Angle & Heavy Duty Center Pull, Wide Slot & Tube Take-Up
- Accommodate bearing shafts sizes from 1” to 4-15/16”
- Available in standard travel lengths from 9” to 60”
- Stainless Steel, ACME thread & MTO lengths available
- Suitable for most manufacturers' housing styles including center pull wide slot, pillow block and top angle protected

Bearings
Martin offers a full line of roller bearings and stocks most common sizes. We can supply SAF, Type E, and Ball Bearing units in Pillow Block, Flange Block & Take-Up Housing styles.
- Type E Pillow Block Bearings
  - Housings in 2 and 4 Bolt Design
  - Bore Range from 1-7/16” Diameter to 4-15/16” Diameter
  - Spherical Roller and Taper Roller Designs
  - Expansion and Non-Expansion Units
  - Dimensionally Interchangeable with Standard “E Bearings”
- Split Housed Spherical Pillow Block Bearings
  - Stocked from 1-7/16” Diameter to 8” Diameter
  - Taconite Seals and End Caps Available from Stock
  - Fully Split Bearing with Split Housing Units Available

Martin has 30 North American Manufacturing facilities. To find the one closest to you, call our Corporate Office at 817-258-3000 or visit us on the web at www.martinsprocket.com

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