

For Fast Deliveries on:

- **Pulleys**
- **Idlers**
- **Lagging**
- **Belt Cleaners**
- **Magnetic Separators**
- **Take-Ups**



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Quarry Duty Pulleys

**ENGINEERED and BUILT TO EXCEED
 the WORKING REQUIREMENTS of QUARRIES**



Quarry Duty Drum Pulleys



Benefits

- Exclusive One Piece Rolled-in Crown ensures consistent, proper belt tracking and tighter tolerances

Construction

- Engineered for the roughest applications, rugged Douglas Quarry Duty Drum Pulleys are intended for use in applications where down time must be minimized
- Heavy construction reduces the likelihood of metal fatigue and pulley failure in severe applications minimizing down-time and maintenance
- Full depth weld with reinforcing bar on single longitudinal seam featured on each Douglas Quarry Duty Drum Style Conveyor Pulley

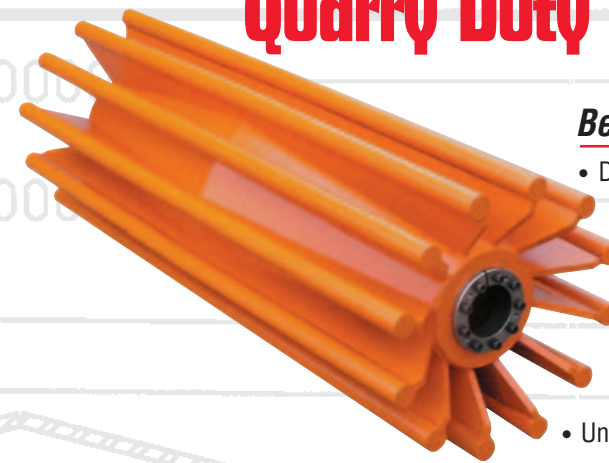
- Crown face pulleys are furnished standard, flat face must be specified

- Douglas hubs feature full depth welds on the inside and outside of the pulley end disk decreasing the likelihood of end disk failure due to shaft deflection and shock loads
- Douglas hubs and bushings are interchangeable with QD®, XT® style, HE, or Taper Lock Bushings
- 3/8" to 1" rim thickness; 3/4" - 2" end disk thickness

Options

- Hot Vulcanized Pulley Lagging
- Shafting
- Bearing Assemblies
- Take-Up Systems
- QD®, XT®, HE Taper Lock Hubs & Bushings
- Stainless Steel Construction
- Galvanized Construction
- Shaft Mount Reducers
- Optional Douglas Keyless Locking Assemblies available

Quarry Duty Wing Self-Cleaning Pulleys



Benefits

- Douglas Quarry Duty Wing Style Pulleys feature exclusive minimum 1" solid steel round bars:
 - Increases service life
 - Helps prevent wing folding damage
 - Wears three times as long as other manufacturers' formed flat bar or 1/4 round bar
- Special self-cleaning angle formed by gussets discharges material away from the belt and the pulley face helping to prevent material build up
- Unique design creates a refined motion that helps to dislodge materials from the belt top cover
- Round bar increases belt fastener life
- Protect belt bottom cover from cuts and tears
- Less belt vibration from smoother belt contact

Construction

- Heavy construction of the wings and gussets reduces the likelihood of metal fatigue and pulley failure in severe applications
- Crown face pulleys are furnished standard, flat face must be specified
- Douglas hubs and bushings are interchangeable with QD®, XT®, HE or Taper Lock
- 1" - 2" thick round bars

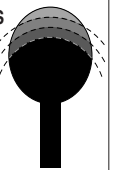
Options

- Hot Vulcanized Wing Pulley Lagging
- Galvanized Stainless Steel
- "AR" abrasion resistant wing tips available
- Optional Douglas Keyless Locking Assemblies available
- Shafting
- Bearing Assemblies
- Take-Up Systems

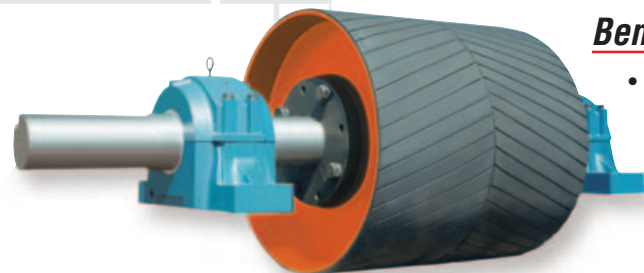
DOUGLAS SOLID 1" STEEL ROUND BAR WING TIPS WEAR LONGER AND RETAIN ROUNDNESS.

WEARS THREE TIMES AS LONG AS OTHER MANUFACTURERS FORMED FLAT BAR OR 1/4 ROUND

PROTECTS UNDERSIDE OF BELT FROM CUTS, SMOOTHER RUNNING



Hot Vulcanized Drum Pulley Lagging

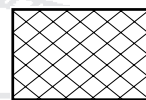


Benefits

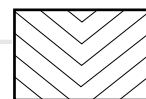
- Douglas truck tire tough conveyor pulley lagging increases the traction between the belt bottom cover and the pulley face, reducing belt slippage
- Douglas conveyor pulley lagging protects the pulley face in abrasive conditions and extends pulley service life providing trouble-free service

Construction

- All Quarry Duty pulley lagging is hot vulcanized in our plant to strict tolerances and the highest industry standards
- Available in a wide range of finishes:
 - Standard Plain Wrap Cloth Impression (LPL)
 - Herringbone/Chevron Groove (LHG)
 - Diamond Groove Pattern (LDG)
 - Machine Finish (LGM)



Diamond Groove

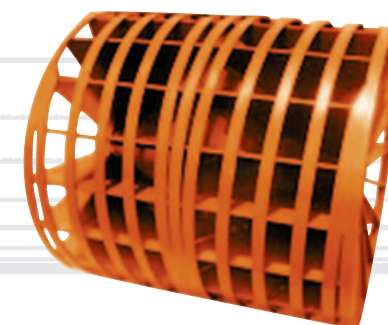


Herringbone/Chevron Groove

Options

- SBR/Natural Compound Standard
- Oil Resistant Compound
- Nitrile
- Neoprene
- EPDM (Ethylene-Propylene)
- MSHA Approved Material Available
- SCOF (Static Conductive Oil Resistant Fire Retardant)
- Ceramic Lagging

Spiral Wing Pulley



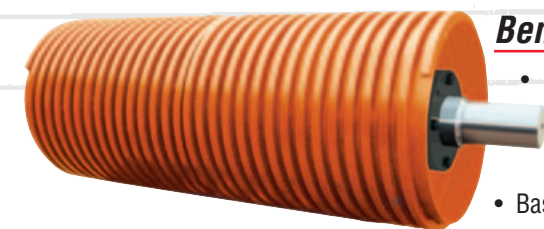
Benefits

- Promotes self cleaning, helps move material to outside edges of tail pulley
- Helps smooth out vibrating belt movement

Construction

- Flat steel bars helically wound around wing fins

Spiral Drum Pulley



Benefits

- Promotes self-cleaning by removing material to outside of the pulley

Construction

- Basic drum pulley in standard duty, Heavy Duty, Mine Duty or Extreme Duty with helically wound bar flights welded to drum pulley O.D.
- Helps smooth vibrating belt movement

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