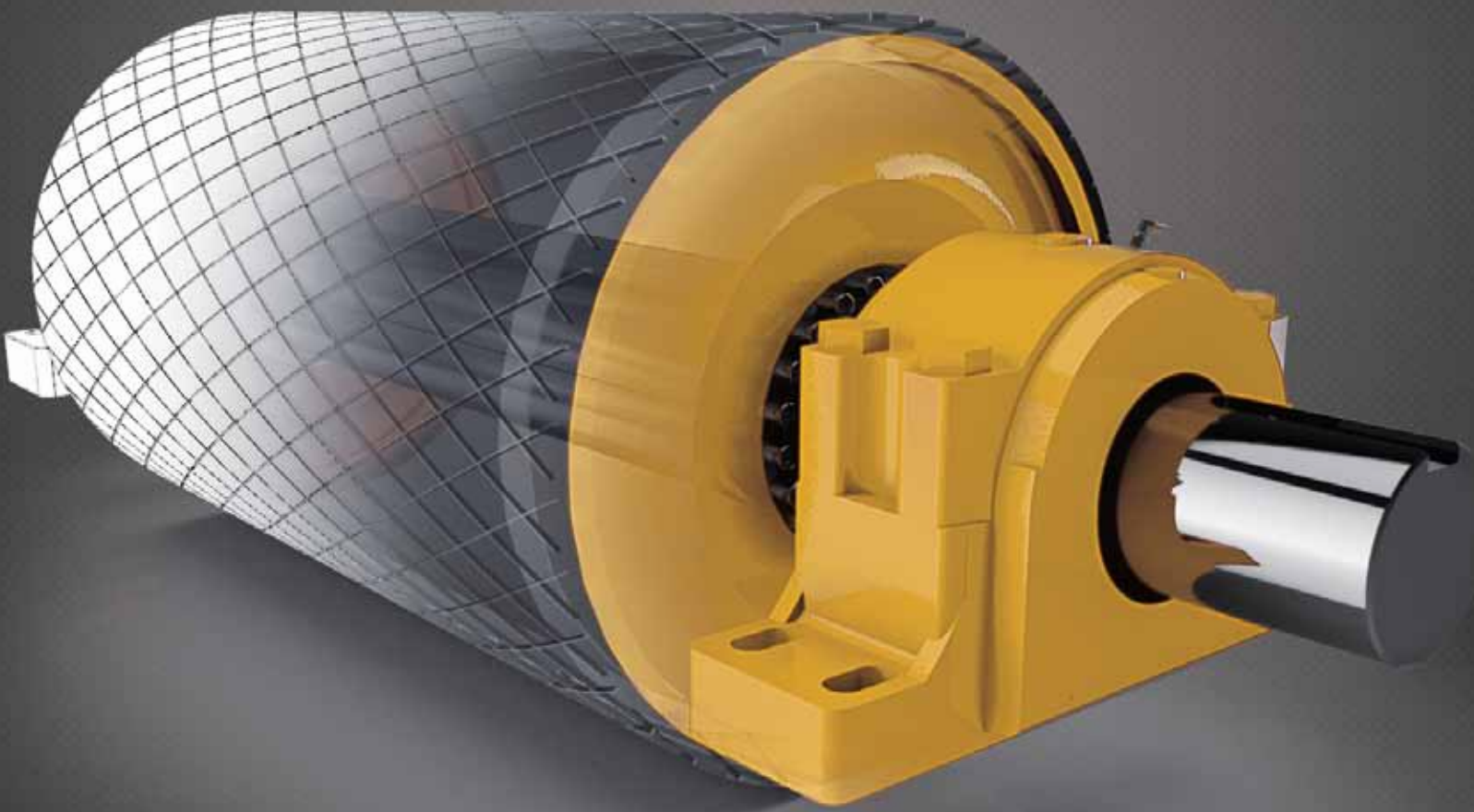


Engineered Class Conveyor Pulleys





Engineered

Cat® Engineered Class Conveyor Pulleys are a completely engineered solution for all bulk material-handling applications. These pulleys are ideal for use in both surface and underground mining applications.

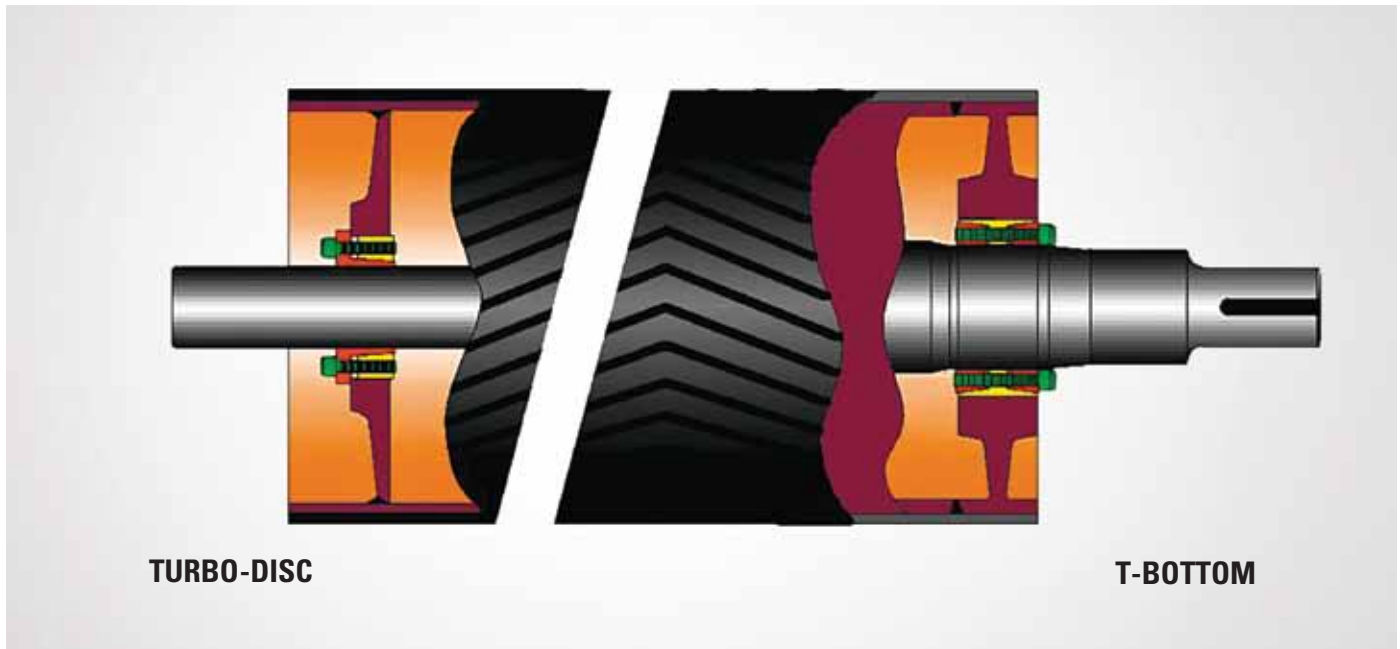
Engineered Class Pulleys

Caterpillar offers a line of Turbo-Disc and T-Bottom pulleys. These pulleys have proven their legendary strength and reliability under some of the most severe conditions imaginable. They perform reliably, driving conveyors with installed power in excess of 3 750 kW (5,000 hp).



Pulley Specifications

- Diameters to 1 800 mm (72 in)
- Belt Widths to 2 400 mm (96 in)
- Installed HP to 3 750 kW (5,000 hp)
- Rubber Lagging (Herringbone, Diamond, etc.)
- Ceramic Lagging
- Mounted Bearings



Standard Design

Two Standard Designs:

- Turbo-Disc for T1 Tensions < 53.4 kN (12,000 lbf)
- T-Bottom for T1 Tensions > 53.4 kN (12,000 lbf)

For conveyor pulleys, the area most prone to failure is the end-disc, especially where circumferential welds are located.

By machining the end-disc from solid steel plate and making the hub integral to the end-disc, all high stress-concentration welds are minimized or eliminated.

In both designs, the end-discs are shaped to ensure optimum distribution of stresses throughout the end-disc and the pulley.

Benefits

Cat® Pulleys are designed for high reliability and long life:

- Machined end-discs require fewer welds and provide fewer areas for failure
- Utilization of keyless locking elements in conjunction with Turbo Disc or T-Bottom Designs completely removes 'Bellows Stress' from each pulley end disc

Engineered Class Conveyor Pulleys

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at mining.cat.com and www.cat.com

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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