



## Indian Standard IS 8598:2019 - Idlers and idler sets used in belt conveyors

Belt conveyors are commonly used to move materials in industries like mining, construction, and manufacturing, where heavy loads need to be transported efficiently. Idlers are the rolling components that support and guide the conveyor belt, ensuring **smooth operation** and preventing issues like belt sagging or misalignment.

**IS 8598:2019** is an Indian standard set by the Bureau of Indian Standards (BIS) specifically for idlers and idler sets used in belt conveyors. This standard outlines the specifications and performance requirements for idlers to ensure they work reliably and last longer. It includes details on the materials used, such as requiring **durable, corrosion-resistant metals** to withstand harsh conditions, as well as standards for precise design and construction. The standard also addresses different types of idlers, including carrying idlers, return idlers, and impact idlers, which each serve specific roles in conveyor belt systems. By ensuring that idlers meet these specifications, the standard helps **prevent breakdowns, reduce maintenance needs, and extend the overall lifespan** of conveyor systems.

This Indian standard also includes guidelines on the installation and alignment of idlers to help avoid common issues that can disrupt conveyor operation, such as belt wear or noise caused by misalignment. The standard also addresses safety, requiring that idlers have smooth, rounded surfaces to reduce the risk of **injury to workers** who handle or maintain the equipment.

For industries and consumers, using idlers and idler sets that comply with IS 8598:2019 means a **more reliable, efficient** conveyor system with **lower maintenance costs** and **safer operation**. This standard helps improve productivity and ensures smoother, uninterrupted material handling.