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SYNERGY

BELT CONVEYOR PULEY



TOTAL BELT MANAGEMENT

ABOUT SYNERGY :

Synergy Industrial Services Pvt. Ltd. was incorporated in 1996 with the purpose of offering 'TOTAL BELT MANAGEMENT' services to the users of Material Handling Systems in India. Our services encompass delivering top quality Conveyor Belts, Spillage control conveyor accessories, Steep Angle Belt systems, portable Belt Vulcanizing Press, Belt Changing Equipment and Design & Engineering Solution related to Belt Conveyors. Today Synergy delivers products & services to Global companies like Tata Steel, ThyssenKrupp, Takraf-Tenova, FLSmidth, McNally Bharat, Larsen & Toubro and Indian companies such as National Thermal Power Corporation, Steel Authority of India Ltd., Grasim Industries, TRF, Elecon, HINDALCO to name a few.

Our basic philosophy is to obtain Total Customer Satisfaction through transparent business practices and our mission is to have all people who interact with us, regard us as a good company to work for, to buy from and to sell to.

We consider our people to be the best asset that led to a vibrant Organization that we are today.

We humbly invite you to come into business with us.

BELT CONVEYOR PULLEYS/ DRUMS

Synergy designs and manufactures high quality conveyor pulleys / drums as per customer requirement. Our stringed quality process, state of art manufacturing facilities and excellent team of committed professionals ensured the high quality and cost effective pulleys.

Types of Pulley Manufactured

1. Drive Pulley
2. Head Pulley
3. Return Pulley
4. Tail Pulley
5. Take up Pulley
6. Snub Pulley
7. Bend Pulley
8. Deflector Pulley
9. Beater Pulley

These Pulleys come generally with Lagging (Ceramic or Rubber) as per client's preference.

Range of Pulleys Manufactured

Parameters	Range
Shell Diameter	193.7 mm - 1600 mm
Face Width	300 mm - 2200 mm
Shaft Diameter	45 mm - 400 mm
Shell Thickness	6 mm - 28 mm

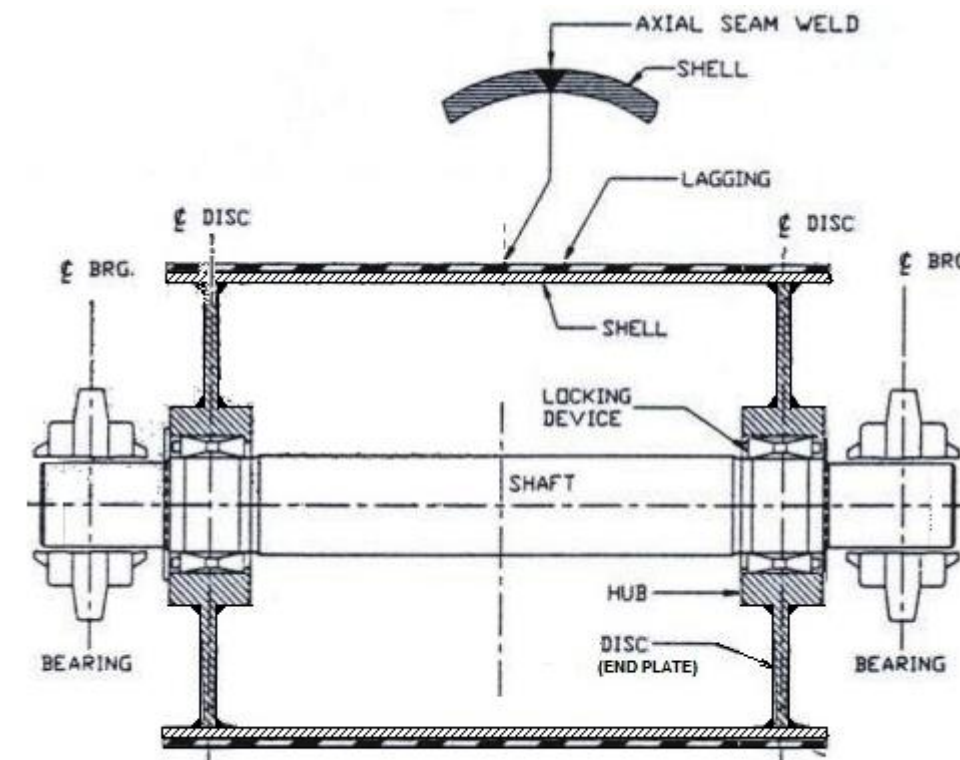
Manufacturing Procedure

Based on the design or customer requirements construction of pulleys are made. Different types of construction are mentioned below:

1. Key Fitted type
2. Weld on hub type
3. Locking assembly type (keyless)
4. Bearing mounted type

Standard pulleys are fabricated from steel shells/ plates with welded end plates /discs and bosses /hubs keyed or through locking assembly on the shaft. Sometimes Drive / Tail/ Take up Pulleys are machined crowned faces to meet customer requirement for reducing wear on belt. Ceramic or Rubber (either grooved or plain) lagged pulleys are manufactured as per customer need when additional friction is required or when handling wet or abrasive materials.

Pulleys are manufactured concentric and statically balanced.



Cross Sectional View of a pulley