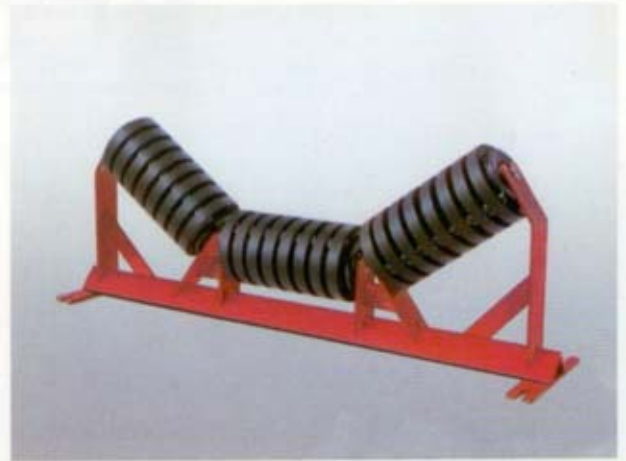




CONVEYOR IDLERS AND PULLEYS





CONVEYOR IDLERS

SALIENT FEATURES

- Conforms to IS:8598-1987.
- Minimum roller gap to maximise belt life as it eliminates danger of pinching and damaging belt.
- Forward tilt of side rollers ensures proper belt training.
- 'Drop in type' design facilitates easy mounting and removal of rollers.

FRAME

- Jig welded steel frame ensures precise roller alignment and inter changeability.
- Inverted angle base provides strength, and directs spillage away from rollers thus preventing accumulation of material under roller, ensuring free running of roller without any power loss.
- Foot straps each with two open end slot facilitate initial alignment of belt.

ROLLER

- Roller shell is made of special ERW tubes with close tolerance.

- Bearing housings pressed out of CRCA steel sheet are welded to the roller shell with the help of CO₂ welding machine to achieve least distortion and maximum strength.
- All rollers are made free before despatch.
- Close tolerance solid shaft protects bearings by minimising deflection.
- Rollers are fitted with seize resistant ball bearings. These bearings are specially designed for Belt Conveyor applications.
- Double multilabyrinth seals ensures maximum protection against dirt, dust and moisture to the bearings.
- Bearing, seals and grease chambers are filled with high grade lithium based grease and rollers are sealed for life, thus saving high maintenance cost during life of roller.

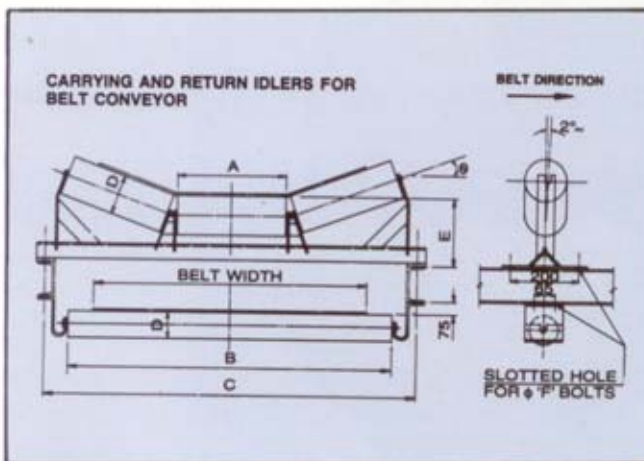
ACCESSORIES

- For Impact Idlers specially designed soft rubber rings are fitted to absorb impact at loading and transfer points.
- Also manufacture special rubber lagged rollers or PVC lined rollers for handling corrosive material.
- Special rubber rings are provided for self cleaning rollers.

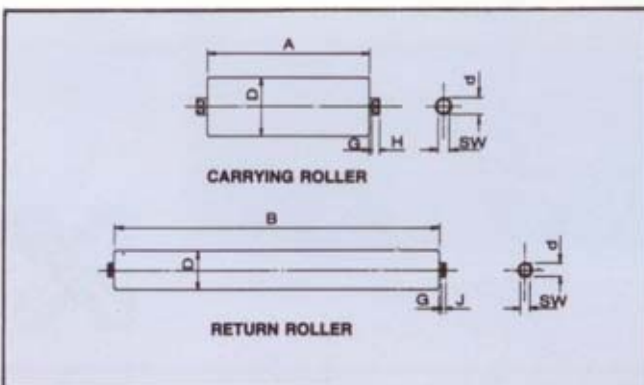
CARRYING AND RETURN IDLERS

TROUGHING ANGLE (θ) = 20°, 30° OR 35°

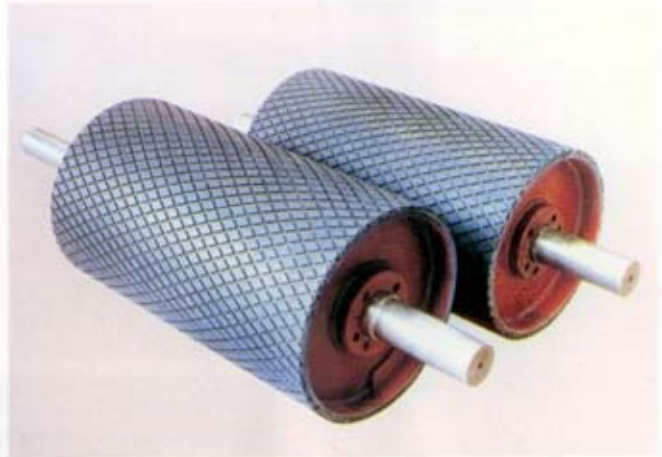
BELT WIDTH	A	B	C	E				F
				D:88.9	D:114.3	D:139.7	D:152.4	
500	200	600	790	165	190	215	230	M12
600	235	700	890	165	190	215	230	M12
650	250	750	940	165	190	215	230	M12
800	315	950	1090	175	200	225	240	M12
1000	380	1150	1290	175	200	225	240	M12
1200	465	1400	1490	175	200	225	240	M16
1400	530	1600	1690	175	200	225	240	M16



SHAFT DIA AT BEARING	d	SW	G	CARRYING ROLLER 'H'				RETURN ROLLER 'J'
				D:88.9	D:114.3	D:139.7	D:152.4	
20 φ	20	14	4	7	7	9	9	12
25 φ	25	18	4	7	7	9	9	12
30 φ	30	22	4	7	7	9	9	12



CONVEYOR PULLEYS



CONVEYOR PULLEYS

SALIENT FEATURES

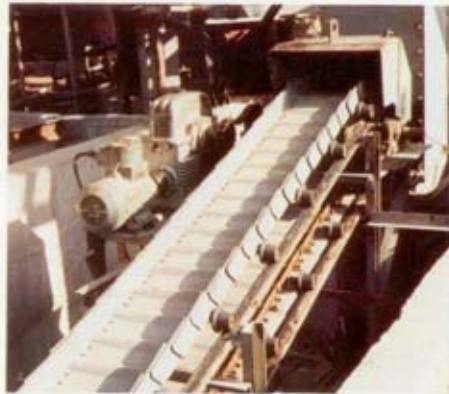
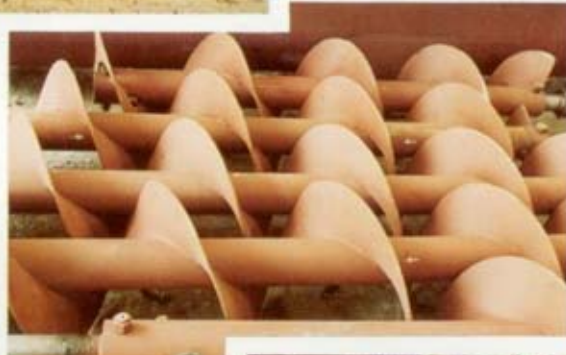
- Conforms to IS:8531-1986.
- Each Pulley is designed according to its position in conveyor, considering all tension parameters.
- Pulleys are statically balanced.
- All components are standardised and compatible, hence less cost.

DESIGN AND CONSTRUCTION

- Welded steel pulleys are of drum type, with rim, end disc and hubs designed to give maximum strength with reasonable weight.
- Solid end disc construction, with minimum rim overhang, prevents accumulation of material.
- Smooth Pulley surfaces provide maximum belt protection.
- Hubs and end disc are accurately machined to assure concentricity.
- Pulleys are available with straight or crowned face.
- Pulley shafts are made from carbon steel/EN-8 and are designed for torque and bending moment.
- Normally shafts are keyed in hub. However, taper lock bushing for ease of maintenance can be provided. Shafts are welded to pulley hub in case of light duty.

RUBBER LAGGING

- Drive pulley lagging is usually provided to increase traction between belt and pulley.
- Snub and bend pulleys rubber lagging resists accumulation of material on pulley surface.
- Rubber lagging of following types are available
 - (I) Plain
 - (II) Diamond
 - (III) Herringbone



OUR OTHER RANGE OF PRODUCTS

*Belt Conveyor
Bucket Elevator
Roller Conveyor
Chain Conveyor
Screw Conveyor
En-Masse Conveyor
Apron/Slat Conveyor
Deep Bucket Conveyor*

Turnkey Material Handling System



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