



RN INDUSTRIES





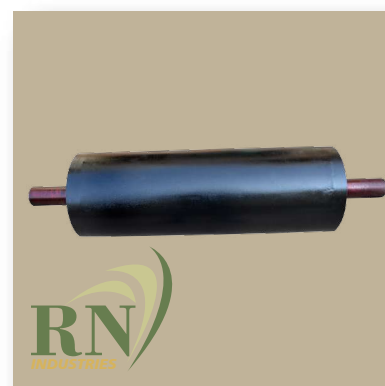
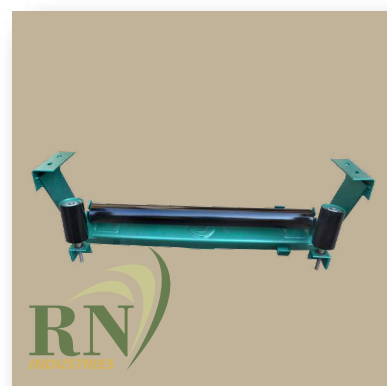
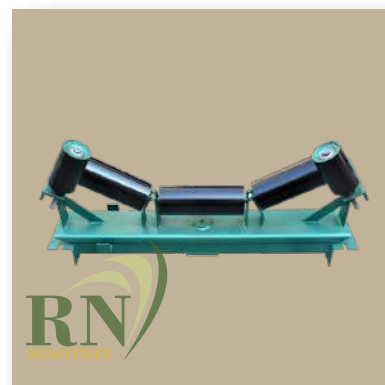
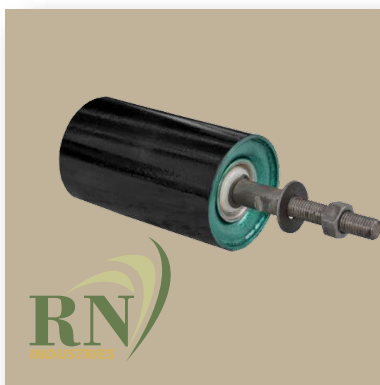
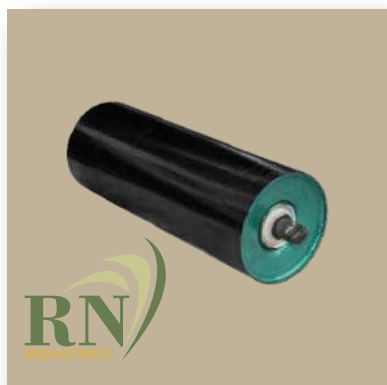
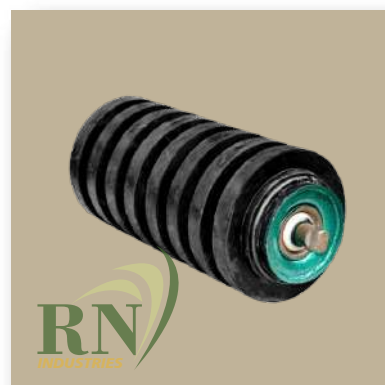
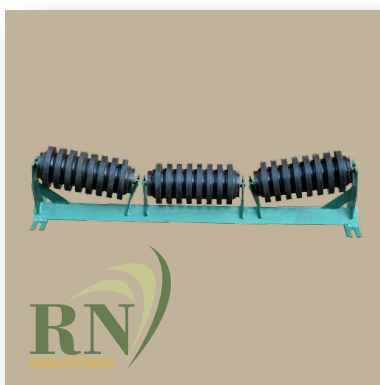
ABOUT US

- ▶ Idler Roller, Carrying Idler, Impact Idler, Return Idler, Guide Roller, Self Aligning Carrying Idler, Drum Pulley, Conveyor SYSTEM, Conveyor BELT and many more are among the products that we, R. N. Industries, manufacture and export.
- ▶ We have the expertise to establish ourselves as a market leader thanks to our well-established internal design and research and development department.

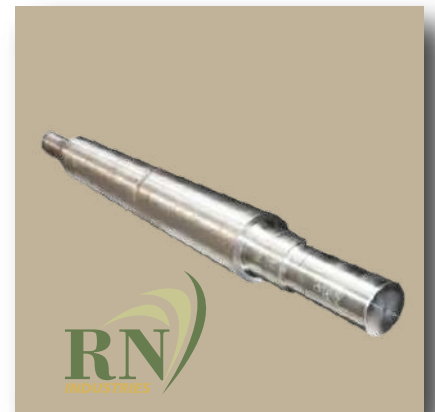
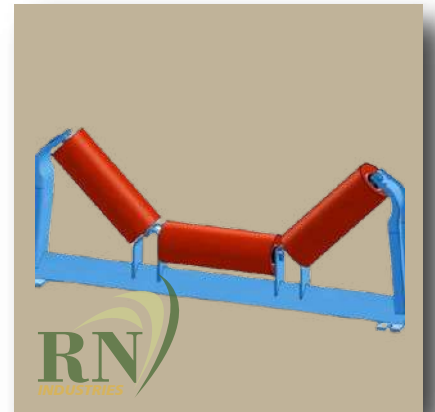
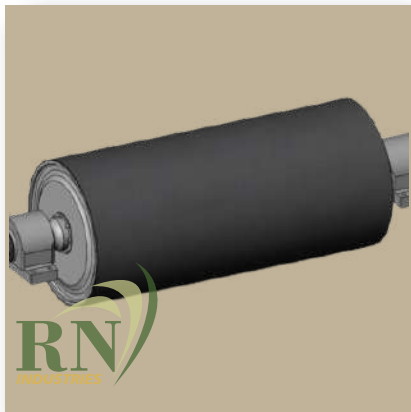
MISSION & VISION

- Idler Roller, Carrying Idler, Impact Idler, Return Idler, Guide Roller, Self Aligning Carrying Idler, Drum Pulley, Conveyor System, Conveyor BELT and more With over 10 years of experience under.
- Business development is made feasible by persistently aiming to raise both the calibre of goods and client satisfaction.
- to achieve excellence and perfection, maintain our Quality policy. We want all of our customers to do business with us again and again.

OUR PRODUCT



OUR PRODUCT

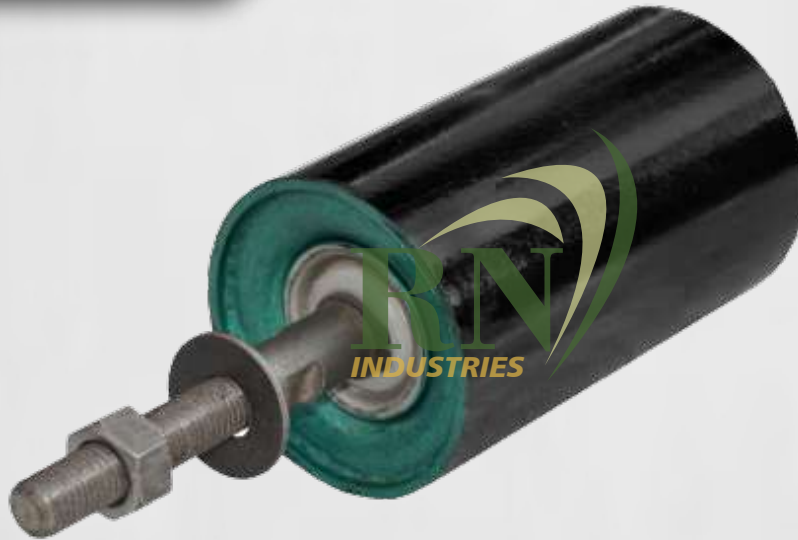


Carrying Idler



- Being carried: an idler roller conveyor Idlers manoeuvre or transport conveyor belts loaded with bulk goods.
- These carrying idlers are made of a range of materials, including heavy gauge steel tubing or seamless steel tubing, depending on the requirement and intended purpose.
- These idlers are available with impact rings made of a particular shock-absorbing substance and are designed specifically to facilitate smooth transfer of bulk material over extended periods of time.
- In order to convey bulk materials, troughing idlers are commonly manufactured with troughing angles between 20° and 30°. According to the design and drawings provided by the customer, idlers can be created with a 45-degree trough angle or any other angle.

Idler Roller



- Roller conveyor idler being transported Idlers transport or move conveyor belts loaded with bulk goods.
- These carrying idlers are made of many materials, including heavy gauge steel tubing or seamless steel tubing, according on the requirement and intended purpose.
- These idlers can be ordered with impact rings made of a particular type of shock - absorbing material, and they are designed specifically to allow bulk material to be transferred smoothly over long distances.
- Troughing idlers are used to transport bulk materials, and they are typically designed and built with troughing angles of 20° and 30°.

Impact Idler

- Impact idlers are designed for loading areas of the belt, where belt damage is common due to the falling material and consistent impacts.
- Impact rollers absorb impact forces helping prevent damage to the conveyor belt, idler frame and surrounding structure from occurring.



Advantages

- Advantages of ERW steel pipe compared with seamless steel pipe are following below:
- The key benefit of using impact idlers is the prevention of damage to the belt as belts are costly to repair and replace. Therefore, they help improve productivity and decrease maintenance costs.

Drum Pulley

- The Drum Pulley that we sell is popular with our customers because it operates consistently, uses less power, and has longer bearing life. In order to produce high - quality goods, we construct the outer shell of our Drum Pulleys from thick tubes made of steel plates.
- Additionally, the pulley shafts are constructed of carbon steel and are keyed and bored properly.



- We may provide taper lock bushings in addition to our selection of conveyor pulleys. Rubber lagging is appropriately grooved into the pulley drum to prevent slipping, and self-aligning anti-friction ball bearings are installed on the shafts.

Guide Rollers

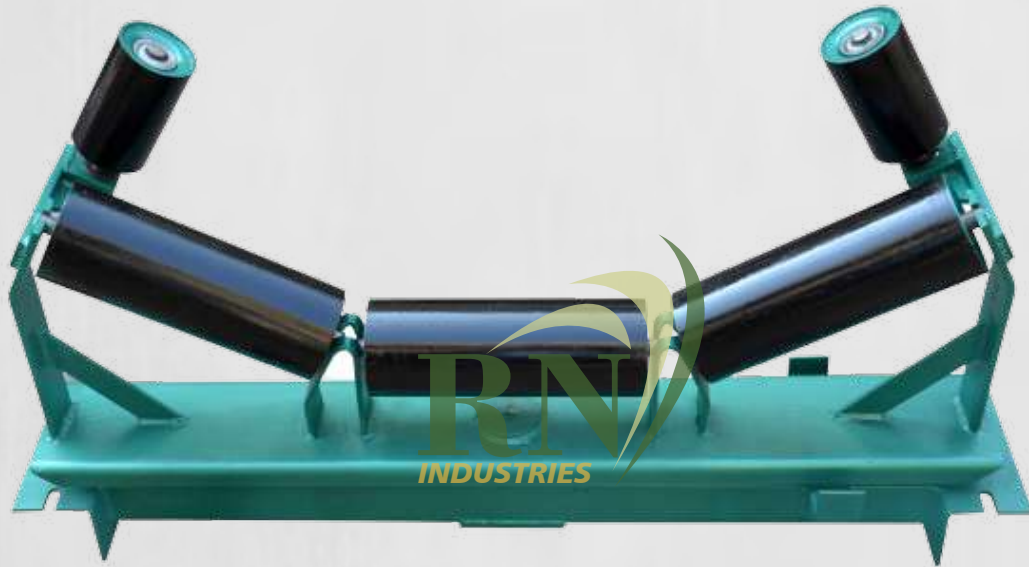
- Typically, silicone, polyurethane, nylon, and vulcanised rubber are used to make guide rollers. Since guide rolls in applications like conveyor belts and web conversion must be able to produce uniform surface tension in order for the processes to work effectively, these materials are utilised because they give an acceptable level of hardness.



- The bonding agent typically comprises of polymer - solvent solutions, a base coat made of resins resembling phenolics, and a top layer made of a combination of polymers and other materials.
- Guide rolls are widely used in paper, textile, printing and dyeing, iron and steel industry, from the driver guide, material selection, high-quality, seamless, roller surface coated rubber, composite, copper or chrome.

Self Aligning Carrying Idler

- Self-Aligning Idlers make ensuring that your conveyor belts stay in place, reducing the possibility of serious belt damage. The side guide rollers of the idler are concave and prevent the belt from extending over the conveyor and up the idler.

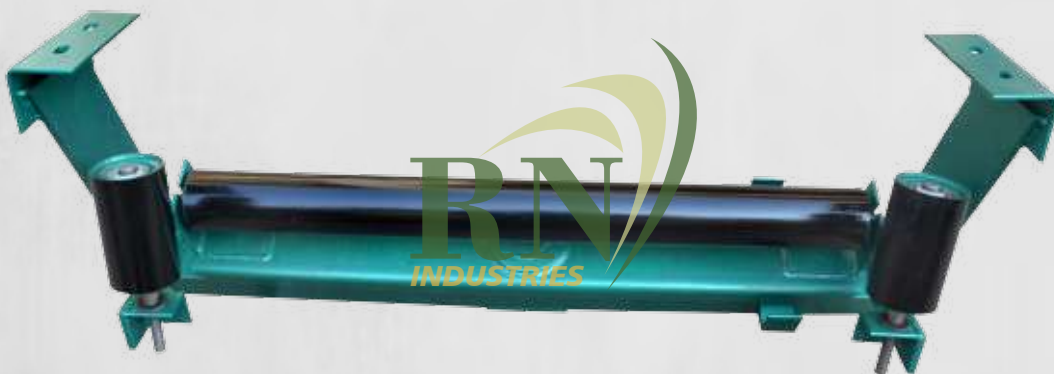


Benefits

- Shifting the conveyor belt's direction and sway, and power transfer.
- As the SAI is found to be critical in heavy duty conveyor systems, it becomes an essential activity to monitor its smooth functioning.

Self Aligning Return Idler

- We specialise in offering Return Idler, which is well-liked in the market for its durable design and high level of usefulness. Pipes on the offered idlers have been simultaneously drilled at both ends using sophisticated double headed boring equipment. These inactive individuals,



Benefits

- Using a flat return idler serves the goal of supporting the belt from the return side to prevent stretching, sagging, and failure of the belt, which prolongs the conveyor belt's useful life.

Dimension Table For Idlers (All Dimensions are in mm)

BW	A	B	C	D	E	F
Belt Width	Roller Face	Hole Center	Return Idler Frame	Bracket Length	Mounting Hole Center	Slot for Bolt
400	160	690	500	755	200	M12
450	180	740	550	805	200	M12
500	200	790	600	855	200	M12
600	235	890	700	950	200	M12
650	250	940	750	1000	200	M12
750	290	1040	850	1100	200	M12
800	315	1090	950	1150	200	M12
900	350	1190	1050	1250	200	M12
1000	380	1290	1150	1350	200	M12
1200	465	1490	1400	1560	200	M16
1400	530	1690	1600	1750	200	M16
1500	565	1790	1700	1850	200	M16
1600	600	1900	1800	1950	200	M16
1800	670	2100	2000	2150	200	M20
2000	750	2300	2200	2350	200	M20

Belt width not covered under IS Standards

Pillow Block

- A pillow block usually refers to a housing with an included anti-friction bearing, wherein the mounted shaft is in a parallel plane to the mounting surface, and perpendicular to the center line of the mounting holes, as contrasted with various types of flange blocks or flange units.



applications

- linking motors and pumps using belt drives
- connecting long shafts between industrial gears and motors
- Rolling machines
- ventilation techniques
- paper shredders

Plummer Block

- The plummer block, which is an assembly made up of self-aligning ball bearings or spherical roller bearings set in bearing boxes of different forms, is frequently used in conveyors and other general industrial machinery because it has a high load capacity and is simple to handle.



- A wide variety of Plummer Blocks are what we manufacture, trade, and supply. Our offered Plummer Block is carefully crafted using premium raw materials and cutting - edge technologies in accordance with the established industry standards.

Housing

➤ We manufacture the idler bearing housing, which is a part of the roller bearings used in conveyors. Utilising premium raw materials like steel, these Conveyor Roller Bearing Housing are created in conformity with global quality standards. Our assortment of Conveyor Roller Bearings Housing is highly regarded for its excellent qualities and is applied in numerous industries. Additionally, our goods, which come in a range of dimensions, can be customised to a client's design and requirements.

Features

- extremely robust
- increased useful life
- Strong construction



WHY CHOOSE US

We, R. N. Industries , manufacture and export a variety of goods , i ncluding ERW Pipe, Housing, Bearing, Shaft, Self Aligning Idler , Return Idler, Equal Throughing Idler, Self - Alignment Carrying Idler, M/S Housing, Conveyor System, Offset Centre Roll Impact Idler, Offset Centre Roll Carrying Idler, Pillow Block, Tapping Drum Pulley, Drum Pulley, Bearing Pedestal, and more With over 10 years of experience under.



Creative Ideas



Safety First



24/7 Support



Honorable Award



Testimoniials

ROHIT AGRAWAL

★★★★★

" R. N. Industries continues to provide outstanding service and excellent technical ability for various projects from small to large scope. Their commitment to delivering exceptional service is evident in every task they take on.

SUNIL PANCHAL

★★★★★

" For over 10 years working with R. N. Industries on environmental contaminated sites they have continuously demonstrated excellent technical ability while ensuring superior customer service



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