

Resolve field problems...!

SOLUTION PRODUCTS

the Best **30**

JRC highly recommend solution products that contribute to improving customer site safety and productivity are summarized in one book.

Belt mistracking/misalignment

Efficient replacement of rollers

Adhesion of conveyed material

Spillage of conveyed material

Safety measures

Deposition of conveyed material

Spillage of conveyed material

ADJUSTABLE A TYPE HOLDDOWN RETURN IDLER / HANG TRAINING RETURN IDLER / MANUAL TRAINING RETURN IDLER / TENSION WEIGHT GUIDE / SHOE TYPE TRAINING IDLER(carrier・return) / TRAINING CARRIER IDLER (HIGH SPEC) / UPLIFT PREVENTION・GATE TYPE CARRIER IDLER / TROIS GUIDE IDLER / TILT CARRIER IDLER / EAZY SLIDE CARRIER IDLER / JACK DOWN CARRIER IDLER / EAZY REPLACEABLE FLAT CARRIER BRACKET / CASSETTE RETURN IDLER / SWING RETURN IDLER / ASGCO SKALPER / MF-DIP CLEANER / ASGCO CHEVRON / NON STICK ROLLER / NON STICK PULLEY / SCRAPING UNIT / FALL PREVENTION RETURN ROLLER / SAFETY FENCE / SAFE GUARD / FRAME RETARDANT HEAVY OIL RESISTANCE RUBBER ROLLER / NS GUARD / IRON FALL PREVENTION RETURN ROLLER / DROP OUT・DEPOSITIONAL PREVENTION FENCE RETURN ROLLER / DEPOSITIONAL PREVENTION CARRIER IDLER / STUB ROLLER COVER / IMPACT SLIDE and more



Resolve field problems...!

SOLUTION PRODUCTS

the Best 30

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the Best
30



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Belt mistracking/misalignment

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Belt mistracking and misalignment-solving products

What is "mistrack/misalignment"?

This is a phenomenon in which the belt travels unstably while mistracking left and right away from the center of the conveyor to be driven, or is largely moved toward one side, due to factors such as a piece of cargo being transported, the inclination of the frame, and the adhesion of the conveyed objects to the rollers and pulleys.

Damage to belts and equipment



Load spill due to off center loading

Major Factors of Mistrack and Misalignment Occurrence

The mistracking and misalignment of the belt is caused by various factors in complex entanglement. Therefore, it is important to identify the cause of the trouble and consider appropriate countermeasures.

Trouble due to entanglement of various factors! (Example of factors)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Inclination of the conveyor frame | <input checked="" type="checkbox"/> Poor alignment of pulley or roller |
| <input checked="" type="checkbox"/> Belt lift | <input checked="" type="checkbox"/> Tilt/Sway of Tension Weight |
| <input checked="" type="checkbox"/> Adherence of conveyed materials to pulleys or rollers | <input checked="" type="checkbox"/> Effects of wind and rain |
| <input checked="" type="checkbox"/> Off center loading at the transit section | <input checked="" type="checkbox"/> Poor rotation of pulley and roller |
| <input checked="" type="checkbox"/> Belt splice failure | <input checked="" type="checkbox"/> Resistance unbalance due to skirt rubber wear |
| <input checked="" type="checkbox"/> Uneven wear of the belt | |

Leaving trouble is developing into further trouble

Mistracking or misalignment of the belt is a cause of various problems, and it is difficult to identify the cause. Therefore, the belt tends to be left unsolved and further serious situations may occur which resulting in serious damage.

Increase in cleaning expenses and raw material losses



Load spills caused by belt mistracking result in an increase in cleaning costs as well as an increase in raw material losses.

Significant decline in productivity



The operation of mistracking detectors, etc., causes frequent emergency shutdowns of equipment, which leads to an inevitable drop in productivity.

Increase in equipment repair costs



Consumables such as belts, drive parts, rollers, etc. are under loaded, and if they are damaged early, maintenance costs for replacement will increase. (Photo: Remaining that the belt car has been torn in a strip due to mistracking)

Points of countermeasures against mistracking and misalignment

It is important to comprehensively check not only the place where the symptom is actually occurring, but also the equipment such as whether there is any cause in the upstream of the conveyor and take appropriate measures.



Okayama Sales Office
Yt. Chikira

Solve mistracking and misalignment issue!

Introducing Resolved Products
from the Next Page!

Just the "gate keeper" of mistrack troubles caused by belt lifting



UPLIFT PREVENTION • GATE TYPE CARRIER IDLER

Utility Model Registration No. 3215812

The presser rollers and guide rollers arranged vertically and horizontally suppress mistracking caused by the floating of the belt, thereby contributing to the improvement of productivity of the entire facility by ensuring stable running.



Contributing to the Longer Life of Belts

The vertical and horizontal rollers are designed to be spaced back and forth (offset type), so there is no risk that the belt will enter between the rollers and be damaged which contribute to a longer life.



Installation cost and labor are not necessary.

Dimensional compatibility with existing carrier idlers eliminates the need for conveyor frame modification work and eliminates the cost and effort required for installation.

Prevents undue belt damage and Mistracking caused by ascent



Forcibly pressing the floating belt with the wheels caused damage and mistracking of the belt.



The function of the holding roller and guide roller suppresses mistracking caused by the floating of the belt, thus ensuring stable running.



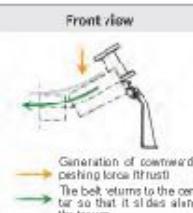
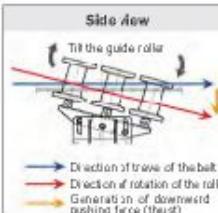
Effective when combined with other anti-mistracking products such as trois guide idler (page 13).

Achievement of adoption in a wide range of industries, Strongest partners for mis-tracking countermeasures

Viewing
on Movies

TROIS GUIDE IDLER

Patent No. 6272734



Using "thrust" generated by lifting the guide

A slight tilt of the guide in the belt traveling direction generates a downward pushing force (thrust), which makes use of the mistrack adjustment principle that the belt returns to the center of the conveyor so that it slides along the trough.



Unique shape of guide roller

Three drum-shaped guide rollers are arranged so that the upper and lower flanges prevent the belt from rising up and falling, and they are turned in the belt traveling direction to suppress mistracking.



"Cast iron" resistant to wear

A guide roller made of ductile Cast Iron (FCD450) with excellent wear resistance is adopted. Effective in belt mistracking and misalignment adjustment over a long period of time.

Extensive range of variations to suit customer sites



Drum type (standard)



Drum type (guide split type)



Drum type long



Uniaxial type



Single shaft type long

We propose the most suitable product type according to the customer's request, operating specifications, and the environment of the site, such as where there is interference with belt rubber and where the belt moves up and down like a lifter.

In addition, we have a track record of adopting various special types of "Trois." Please feel free to contact us. ("Trois" = named it from the French word "3 (trois!)")

Kita Kanto Block
Masatake Nakata



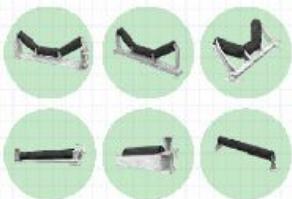
Roller replacement can be performed safely and

in a short time even at sites where such work is difficult!



Roller replacement efficiency solving Product

Introduction of JRC's replacement work efficiency product greatly improves work efficiency!



Roller Replacement Work Efficiency Targets

The replacement work of the bracket roller is complicated and slow, but we aim to eliminate the弊 of conventional users, in off of the belt a charged and expensive fleet materials.

Solution Product Day
Takuya Kase

Bye-Bye for troublesome roller replacement work!
Introducing Resolved Products from the Next Page!



Challenges of Roller Replacement Work in the Field

Large-scale work such as lifting the belt or loosening the tension is often required to replace the roller for the belt conveyor and unexpected accidents may occur at high places, underground pits, or other closed places.

Lower productivity



Long-term replacement work strengthens the equipment shutdown mechanism which leads to lower productivity.

Risk of accident occurrence



Replacing heavy rollers at heights or working in closed or dark places poses an increased risk.

Increase in maintenance costs



Leaving the archer roller unattended due to the complexity of replacement increases costs such as belt repair costs.

Carrier side

Improvement of
roller replacement
work efficiency



Easy replacement from the gap by simply tilting the stand

TILT CARRIER IDLER

Patent No. 6352829

▼ Viewing
on Movies



Simply push it down! Work time can be reduced by more than 90%!



Suggested where the belt cannot be lifted!

Since the stand can be tilted, this product can easily and safely replace rollers in places where the belt cannot be lifted by interfering with the skirt.

Simply pull out the stand on the walkway side! Realizes quick roller replacement



EASY SLIDE CARRIER IDLER

Utility Model Registration No. 3185860

▼ Viewing
on Movies



Shortly complete roll replacement if the stand can be drawn out !



Optimized for sites with surplus corridors

The two-up left and right stands can be pulled out largely to the side of the walkway, so there is no need to lift the belt or worry about the interference of the skirt rubber as before.

New concept of lowering the stand! to a narrow pitch area



JACK DOWN CARRIER IDLER



Shock-resistant structure for use under chute

Since it is structured to receive a load with a U-shaped bracket during operation, it can be used even under a transit chute or in other places with a large impact.

The carrier pitch under the transit chute was narrow, and the domino-type carrier idler (P. 16) It flashed suddenly this product when we were looking at the situation where there was not enough space to lift it.

Solution Promotion Dept.
Kazuhiro Zaiba

A gap is created between the belt and the roller due to the descent of the Idler !



Easy replacement of flat carrier roller!

EASY REPLACEABLE FLAT CARRIER BRACKET



Rotate the fixing plate and roll the roller.
Replace immediately from the gap!



To flat specification equipment such as steep inclined conveyors

This product dramatically simplifies the replacement work of the flat carrier roller.

Turn around, immediate replacement! Effective for mistracking and spillage!



This point is useful.
Lynch pin eliminates
the need for replacement tools!

CASSETTE RETURN IDLER

Utility Model Registration No. 30227965



▼ Viewing
on Movie



Bracket swivel, roller replacement from one side OK!



Replacement of the return roller is also possible for High-altitude work. To ensure operator safety and workability, we recommend this product, which is lightweight and easy to carry, which also reduces work time and saves a great deal.



Okayama Sales Office
Kenta Sugihara



Only left and right contacts reduce spillage

Owing to the left-right split type roller, contact with the roller does not occur at the center of the belt, and it is effective in reducing the falling of transported materials.



Can be set to forward or backward tilt

These bearings are mounted inside the bracket on the fulcrum shaft side for easy adjustment of forward inclination, standstill and backward inclination, and each roller angle.



When the roller receiver is rotated, the belt is pushed up by "principle of leverage"!

SWING RETURN IDLER

Utility Model Registration No. 3234953

This is a return idler that allows the stay pipe to push up the belt by rotating the roller holder with the handle for rotation, allowing the roller to be easily replaced from the gap created between the roller and the belt.

The belt end of large-sized belt conveyors is also high, making roller replacement extremely difficult. However, we developed this product, because we hope that the danger of such a large-sized belt conveyor can reduce even less grinding work.



Solution Promotion Dept.,
Mitsubishi Igashina



Roller replacement is possible simply rotates the roller holder by using the handle



The belt is pushed up naturally

When the roller holder is rotated, the stay pipe pushes up the belt, creating a gap between the belt and the roller, making it easy and safe to replace.



Designed to prevent rollers from dropping off during rotation

The drop off prevention stopper prevents the roller from falling off unexpectedly when the roller receiver rotates. Designed with consideration for safety such as work at heights.



Both hands can be used with the handle fixed

Since the handle can be fixed by the stopper for fixing, both-hand work is possible. The rollers can be replaced quickly and safely with two people.

Key to ease of maintenance 🔑

Products to resolve adhesion of conveyed



Three approaches to adhesion countermeasures

- 1 Remove accretion in the head chute.
- 2 Do not stick to the surface of the belt after the head.
- 3 Do not adhere to the surface of rollers or pulleys.

Now we will take measures to prevent adhesion and falling of mines!

We will introduce the products to be solved from the next page.

Why does adhesion originally occur?

Carrers with small particles contain moisture and stick together

Conveyed material contain moisture

Adhesion to the belt conveying surface

Adheres to rollers and pulleys

01

02

03

If you leaves it?

To the resonance of the belt or the cause of mistracking or misalignment

To the cause of the spillage of conveyed material

Risk of entanglement during cleaning and accidents

spillage and material

Solution product



Three approaches to spillage countermeasures

- 1 Prevents adhesion to the return side belt which causes
- 2 Does not drop in areas where working is difficult or dangerous.
- 3 Facilitate spillage in areas where work is easy and safe!

Why does the spillage originally occur?

The belt accretion spills every time it passes over the return roller

Cleaner scraping failure

Accretion remained on the belt

Spillage normalized on the return side

01

02

03

If you leaves it?

Increase costs for cleaning operations

Produced on load due to spilled cargo or an emergency stop

Risk of entanglement during cleaning and accidents

See pages 26 and 27 for details of countermeasures by spillage and mitigation zones.



Strongest cleaner born in the United States Belt-friendly and powerful scraping



Blade type belt Cleaner ASGCO SKALPER



Adopted high-performance blades

Uses proprietary polyurethane blades. Excellent abrasion resistance, always with edges sharp against the belt. There is no litter of transported objects in the split type at all because of a single blade.



Easy blade replacement

When a blade is worn out, it can be replaced detachably simply by plugging and unplugging the two pins. Because no tools are required, replacement work can be performed easily in a very short time.

Self-adjusting tensioner

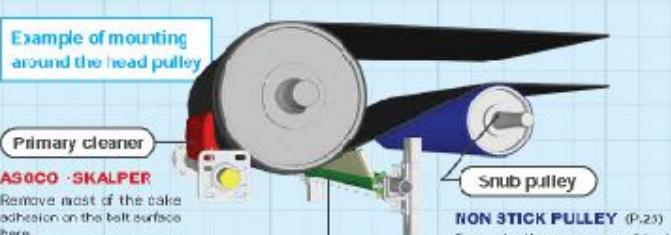
A large torsional torque spring is used for the tension mechanism. It is made of rust-resistant all-stainless steel and automatically adjusts the optimum tension for the blade.

Strong belt cleaner trained by the United States

We import directly from ASGCO from the U.S. as the sole domestic distributor. In addition to a rigid structure that can withstand harsh operating environments, the excellent features such as heavy power to scrape the belt adhesion of all conveyed materials strongly, simple blade replacement, and belt-friendly self-adjusting tension function have enabled many customers to be installed and replaced existing products in recent years.

Flush off by combining anti-sticking products around the head pulley!

Example of mounting around the head pulley



Primary cleaner

ASGCO · SKALPER
Remove most of the cake adhesion on the belt surface here.

Intermediate cleaner such as MF-DIP cleaner

Place before the snub pulley to prevent placement in the snub pulley.

In sufficient function and adjustment of the belt cleaner (Primary cleaner) of the head pulley mounting may cause malfunction of other countermeasures such as secondary cleaner, rattling of the belt, sticking to the roller or pulley surface, mistracking, spillage, etc. It is important to cut off the conveyed material adhering to the belt in the head chute by the combination as shown in the figure on the left, and make it difficult to adhere thereafter.

Follows the unevenness of the belt and evenly scrapes off the accretion

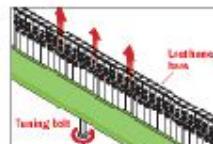


Tip-type Belt Cleaner MF-DIP Cleaner

Depending on the shape of the conveyed object or belt conveyor, you can freely select the "tip material," "frame material," and "contact width" that suit your application with a custom-made feeling.



SENDAI Sales Office
Yu Wakatsuki



Sub-divided carbide chips

The carbide chip, which is divided into small sections to 15 mm wide and has excellent wear resistance, is difficult to create a gap between it and the belt, and it flexibly follows the unevenness, vibration, and mistracking as well as scrapes the deposits forcefully for a long period of time.

Belt-friendly elasticity

Urethane bars with excellent elasticity absorb shock and gently scrape off deposits on the belt. This prevents damage to endless parts, etc. No short-term readjustment is required.

Minimize clearance to belt

The tip shape of the cleaner can be freely adjusted to match the unevenness of the belt surface. (Push up the urethane bar with the lower tuning belt and press it against the belt)

Belt-friendly mechanism for long-term maintenance-free

Uniform contact to the belt, which is difficult for conventional chip-type cleaners, is realized by adopting sub-divided chips. Urethane bars are used to flexibly follow the unevenness, vertical vibration, and mistracking of the belt, making it gentle to the belt and lasting a strong scraping for a long time.

Introduce to other secondary (intermediate) belt cleaner



NVC-SA α type

The excellent scraping performance and maintainability of NVC-S's self-adjusting SA type, which can be said to be the standard of the intermediate type belt cleaner, have been greatly improved.



BELLE BANNE U-3

A single tip with an arcuate structure capable of applying the maximum surface pressure to the center of the belt is adopted, which provides excellent follow-up for the trough habit of the belt. The relief structure ensures greater safety.

Rubber disc that fits the belt Good for V-shaped and metal-fas-tener belts



Compatible with all types of materials transported

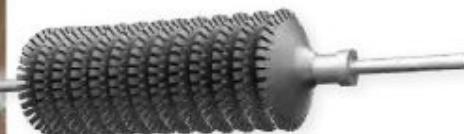
Uniquely shaped rubber discs with notched circumference is used. Available for a wide range of conveyed items, whether wet or dry, such as coal, iron ore, woodchips, and chemical fertilizers.

No power required for rotation

Since the rubber disc rotates as the belt runs, no power is required for the motor, air, etc. Maintenance is also easy.

Friendly to belt surface

Rubber discs offer excellent flexibility and wear resistance, and can be used in a variety of shapes. It continues to scrape the deposits strongly without damaging the surface of the belt.



ASGCO
Complete Conveyor Solutions

Rubber disc type belt cleaner ASGCO CHEVRON



Rubber discs can be removed independently, making them economic



Contributes to measures against adhesion of special belts

Special belts, such as "V-shaped" and "Crosspiece", used for inclined conveyance are provided with "horizontal crosspiece" on their surfaces, and the scraping type cleaner introduced earlier cannot normally be used. This is an unrivaled "rubber disc type" belt cleaner developed by ASGCO U.S.A. that can be used for these special belts.



The rubber disc fits flexibly into the concavo-convex portions of the flat belt, even with a V-shaped (crosspiece) belt or a belt with a heat-vulcanized/meta fastener at the end, so it can be used for adhesion removal.



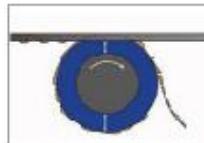
"ASGCO Chevron" for attachment and removal of special belts

The carrying materials does not stick due to the rebound elasticity of the soft rubber!



NON STICK ROLLER

Utility Model Registration No. 3211262



Prevents adherence of conveyed material

Due to the characteristics of smart rubber with a high rebound modulus, the initial adhesion layer deforms flexibly to alleviate the "Pressing force" thereby preventing premature wear of the surface and contributing to a reduction in the frequency of replacement.

Excellent wear resistance

Even for highly abrasive conveyed material, the smart rubber deforms flexibly to alleviate the "Pressing force" thereby preventing premature wear of the surface and contributing to a reduction in the frequency of replacement.

As well as the effect of draining water at sprinklers

Due to the characteristics of the talked "rubber water" runs off at the sprinkling section. (Photo: The belt surface after passing through the Non stick roller is completely cleaner.)



NON STICK PULLEY

Utility Model Registration No. 3211252



Safe at the site of belt conveyors where there are many dangers



Pinched or entangled

Rollers falling off

Before an accident occurs

Products that resolve belt conveyor safety measures

Conveyor fire

Be the most frequent in belt conveyor disasters

Resolving products that help prevent "Pinched or entangled" accidents

Safety measures

Pinched or entangled

Compatible prevention of accidents involving rotating parts and daily maintainability!

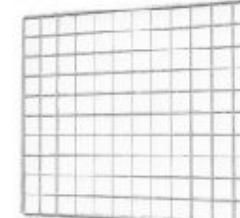


Structure with excellent strength

The slotted 50mm square wire gauge surrounds the gap fence with a gap ring, and is strong enough to withstand the harsh installation environment of the conveyor.

Removal and attachment are OK when necessary.

"Outer (arrow) type" is adopted for mounting and dismantling in consideration of maintainability. There is also a "Hanging type" that does not require tools or ladders and can be attached or detached more easily.



SAFETY FENCE

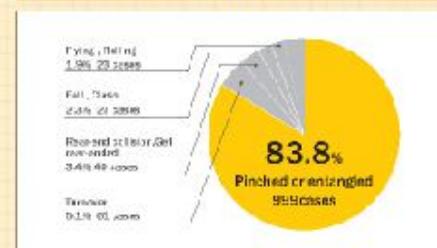
Patent No. B172369

We propose the most suitable installation method for the customer from two types; one is mounted on the center filter and the other is mounted on the conveyor frame.

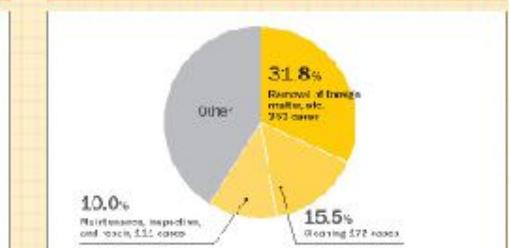


Accidents involving pinching and entanglement are as follows!

Breakdown of conveyor accidents (Yearly)



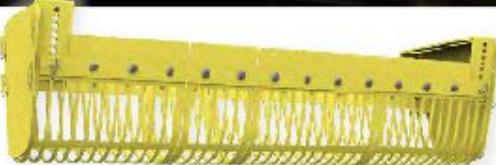
Type of work that had been carried out in the event of a disaster



Among the 1182 occupational injuries caused by conveyors that occur for more than 4 days off work (caused by conveyors in 2006), the overwhelming incidence of "Pinched or entangled" is over 8%. Establishment of disaster prevention measures with emphasis on these accidents is considered particularly important.

Similarly, with regard to the types of work (accidents/v/year) that were carried out at the time of the disaster, the number of accidents involving "removal of foreign matter, etc.", "cleaning," "maintenance, inspection, and repair" accounts for more than half of all accidents, and thus it is a challenge how these work opportunities can be reduced.

Cover combines prevention of rollers falling off and contact accidents with ease of cleaning



Cover made of super-high-molecular polyethylene

Highly durable and lightweight to suppress the accumulation of transported materials. It is a reliable grid-shaped cover that ensures safety even in the unlikely event that the roller falls off.



With one pin for opening the cover

For daily maintenance such as roller replacement and cleaning, opening the cover is possible with a single pin-type stopper (no tool required).



SAFE GUARD

This "SafeGuard" cover is recommended by us for the prevention of "falling off" or "Pinched or elongated" avoidance of the return rollers and for their protection.

▼ Viewing on Mobiles



Iron safeguards are also available (as a guideline for proper use with resin)



Resin safeguards

Because iron has a low phosphorus content, therefore the heat has a fine grid shape to prevent metal objects being caught in the rollers, even if they are highly magnetized in the future. Since the heat has a fine grid shape, it adheres to the rollers and falls off easily because deposited. The safeguards are made first, so selecting the correct size of the cover with a single size is adopted to facilitate cleaning of the deposited transported material.



Iron safeguards

The main purpose of the iron is to "guard against falling off" in the early days of the iron, such as high places or places where people pass through conveyor, has a rugged screen that can withstand 25 times more than the heat has a fine grid shape, it is caught in high places, but on the other hand, the area of the fence is relatively large so that it is difficult to concentrate because it is different frequently that the transported objects occur a fall inside the fence.

Solving Products Help Prevent "Conveyor Fire"



Fire-resistant & self-extinguishing to prepare for emergency fire

Excellent flame retardant performance

Excellent flame retardant and self-extinguishing properties equivalent to UL 94 V-0 class can be expected to reduce the spread of fire in the event of conveyor fire.

Heavy oil and wear resistance

Even in situations where the oil of the rollers on the line where transported objects containing oil are handled.

Contribute to fire prevention measures at these sites!

Power plants,
steelworks, etc.

Storage and oil/gas treatment plants, etc.

Conveyors that handle the oil of oil in the conveyance of coal

Conveyors that handle oil in the conveyance of coal and combustible materials

Preventing sparks from getting caught in foreign objects!



NS GUARD

Excellent sealing performance for enhanced dust and water resistance

The NS guard is attached to the labyrinth seal of the JRC standard roller, which has excellent sealing performance, to further enhance its dust/water-proof performance.



Preventing sparks from getting caught in foreign objects!

Unlikely prevents sparks caused by foreign matter caught on the side of the roller. The NS guard does not rotate even if it is caught, so no sparks are generated.

▼ Viewing on Mobiles



IRON FALL PREVENTION RETURN ROLLER

The performance of the "IRON FALL PREVENTION RETURN ROLLER" (page 27) is kept unchanged, and the rubber ring is reproduced in steel. It can now be used on mineral & flat, aquatic flame retardancy.



High corrosion resistance and self-corrosion protection contributes to longer roller life

Materials with high corrosion resistance and self-corrosion protection that are 10 to 20 times higher than those of hot-dip galvanizing and 2 to 8 times higher than the use of hot-dip galvanizing and aluminum/moly plating.



Lead to poor roller rotation or premature damage Solving products that help prevent "deposition of conveyed materials"

Evolutionary version of the fall-prevention fence that also prevents deposition in the fence



Wires scrape off the stick

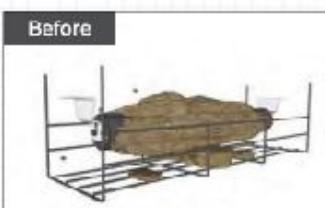
The existing material on the roller surface is scraped off by contact with the "scraping wire" fed into the product and does not grow to a certain size or larger.



Rollers can be temporarily placed inside the fence

In addition to the role of preventing rollers from falling off, the fence section can be temporarily stored with rollers dropped inside the fence during replacement, making it safe to replace heavy return rollers at high altitudes. (You can also pull out from the side.)

The cause of the deposit is the difference in the size of the lump.



Since the adhered matter flakes with vibration or its own weight, and falls in a lump shape, a large mass tends to accumulate on the fence.

The wire was scraped below the mass became large, and it became difficult to accumulate inside the fence because it passes through the mesh of the fence.

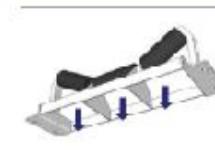
DROP OUT - DEPOSITIONAL PREVENTION FENCE RETURN ROLLER

This is recommended not only for preventing the return roller from dropping out, but also for the site where trouble is caused by sticking of conveyed objects and accumulation in the fence.



This point is useful
can be replaced with
existing return idler

Stand frame structure in which conveyed materials are difficult to accumulate



"slipping" structure

A stand frame with a hatched form shape is adopted to prevent fallen transported objects from slipping out and accumulating.



DEPOSITIONAL PREVENTION CARRIER IDLER

This product specializes in preventing the accumulation of conveyed materials. Deposit on the stand frame is reduced, which can be expected to lengthen the life of the idler and reduce cleaning work.

Contributes to longer roller life by reducing the deposition of conveyed materials on the idler frame



Deposit on the stand frame caused problems such as poor roller rotation.



The elimination of deposition eliminated premature roller breakage, resulting in longer life and reduced replacement frequency.



Prevents short roller rotation failure such as steep inclined conveyor change angle



STUB ROLLER COVER

This is a special cover for stub rollers used in steep/inclined conveyors, etc. that prevents rotation failure and premature damage due to accumulated conveyed materials by attaching them to their sides (on the shaft side).

Eliminates stub roller rotation failure caused by deposited conveyed material



Install like this place
In the lower part of the steep inclined conveyor, there were frequent rotational failures due to the large accumulation of conveyed materials.



The use of a "Stub roller cover" to prevent deposition eliminates rotation failures.

This leads to deterioration of the surrounding environment due to transport loss and dust.

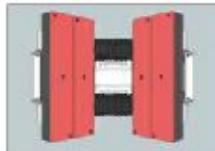
Solving products that help prevent "Blow over of conveyed materials"

Blow over is greatly reduced by eliminating gap with skirt rubber



IMPACT SLIDE

This product eliminates the gap with the skirt rubber due to belt deflection between rollers by replacing the conventional tough roller with a side bar with low friction resistance, and reduces spilled or blown load on the conveyed load.



Right and left side bars are used.

The right and left side bars, which are excellent in impact resistance and torsion resistance, have a lineup of 500mm and 750mm in width, making them easy to follow the shape of the skirt rubber, and also give contribution to reliability.



Center is Impact roller

By adopting an "Impact roller" in the center roller section, the increase in running resistance of the belt is minimized, making it a product that does not impose an excess load burden.

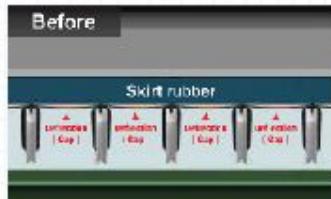


Easy replacement with drawer structure

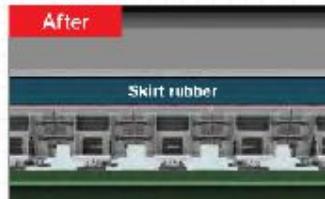
The right and left side bars and the center roller are of the "drawer structure" so that you can easily replace them - they are worn out. The stand is divided into two sections and three sections.



Seal "Spills" from gaps with skirt rubber



The belt deflected and gapped easily between the belt and the skirt rubber, causing spills or blow over of conveyed materials.



Slide bars eliminated gaps with skirt rubber and reduced spills and blow over of conveyed materials.

Replacement with existing equipment



Replacement with existing
After & Possible by adding
new a hole to the belt.



Notification

A new "Resolving Products" special page has been created on the JRC official site!



Detailed videos and flyers of solved products can be viewed anytime and anywhere from your PC or smartphone!



Read with Smartphone

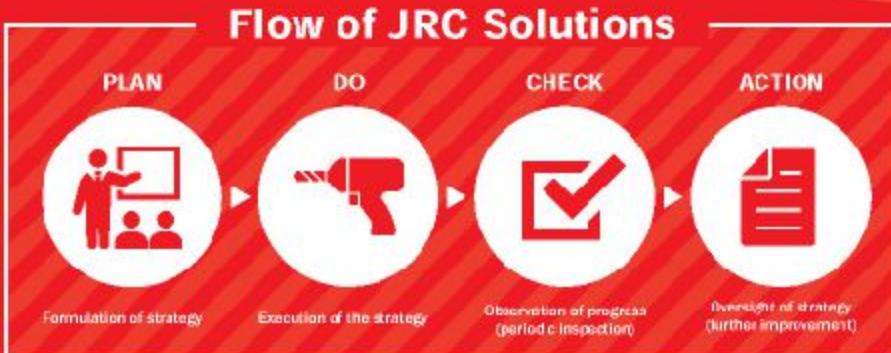
▼ Web www.SearchJRC.net
www.jrcnet.co.jp/solution/solution_products/



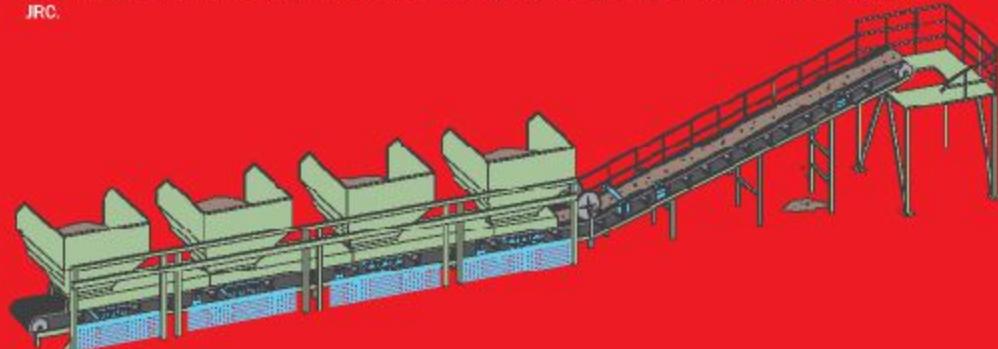
YouTube
There are many easy-to-understand explanatory videos about each product by JRC employees!

Please leave it to us for any issue with the belt conveyor.

Propose optimal solutions for your site



Troubles in belt conveyors affect each other like gears, so individual measures can induce other problems. Taking measures by comprehensively recognizing visible phenomena will lead to improved conveyor productivity, safe operation, and the creation of cost benefits. All troubles can be prevented beforehand. Please feel free to consult with JRC.



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You can find more information about our products and services here.

● JRC official website

<https://www.jrcnet.co.jp/>



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Reception hours (weekdays) 9:00 to 18:00

● The content of this booklet is as of July 2022. The contents of this material are subject to change without notice for various reasons.

● Please note beforehand that photos and illustrations posted are images. The color may differ slightly from the actual product.