



PRODUCT CATALOGUE

ISSUE 4, SEPTEMBER 2018

THINK INNOVATIVE, THINK LEVERLINK.

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**THE SELECTION OF THE
CORRECT EQUIPMENT FOR
PARTICULAR SITES OR
APPLICATIONS SHOULD BE
BASED ON :**

A photograph of an industrial facility, likely a port or a large warehouse, featuring a complex network of red-painted steel beams and supports. In the foreground, a long, dark, metallic conveyor belt moves from the bottom left towards the right. The background shows an outdoor area with various industrial containers and structures under a bright sky. The overall color palette is dominated by the red of the steel and the dark tones of the conveyor belt.

SAFETY

RELIABILITY

LOW MAINTENANCE



ABOUT LEVERLINK

VISION

To be recognised as a customer orientated world-class solutions provider, offering innovative, dynamic solutions and services.

MISSION

To create lasting partnerships with our customers, by providing high-quality Australian-made solutions to help you achieve your goal.

VALUES

Safety

We provide products that improve safety to the most hazardous environments in the world. Safety is the foundation of our existence.

Customer Orientated

Over the past 30 years, we have worked closely with our customers to provide quality. Our products were built to the standard they are today by our customer feedback and requests.

Flexibility

Every project is different. We are flexible in every aspect of our business, and provide services and solutions to work with our customers' requirements.

THE DIFFERENCE

Our manufacturing is based on the emphasis of quality, not quantity. Leverlink sources all materials in Australia. Quality-driven manufacturing, along with our passion to work closely with our customers, allows us to deliver superior products nationally and internationally.

CONTINUOUS IMPROVEMENT

Leverlink has a continuous improvement policy to ensure we continue to be the market leaders as customer satisfaction is paramount.

ELECTRIC MOTOR BASES

A rubber torsion spring is the heart of stored energy motor bases. It provides a constant force to compensate for the belt stretch and wear. The mechanical design allows for a quick belt fitting and replacement, with a single adjusting screw. Pulleys remain aligned and shafts parallel after initial set up. A risk assessment will show increased safety by minimising personal injury compared with conventional methods. We have a selection of designs to suit budget and site specifications.



Customisation When Required



Proven In The Most Hostile Environments

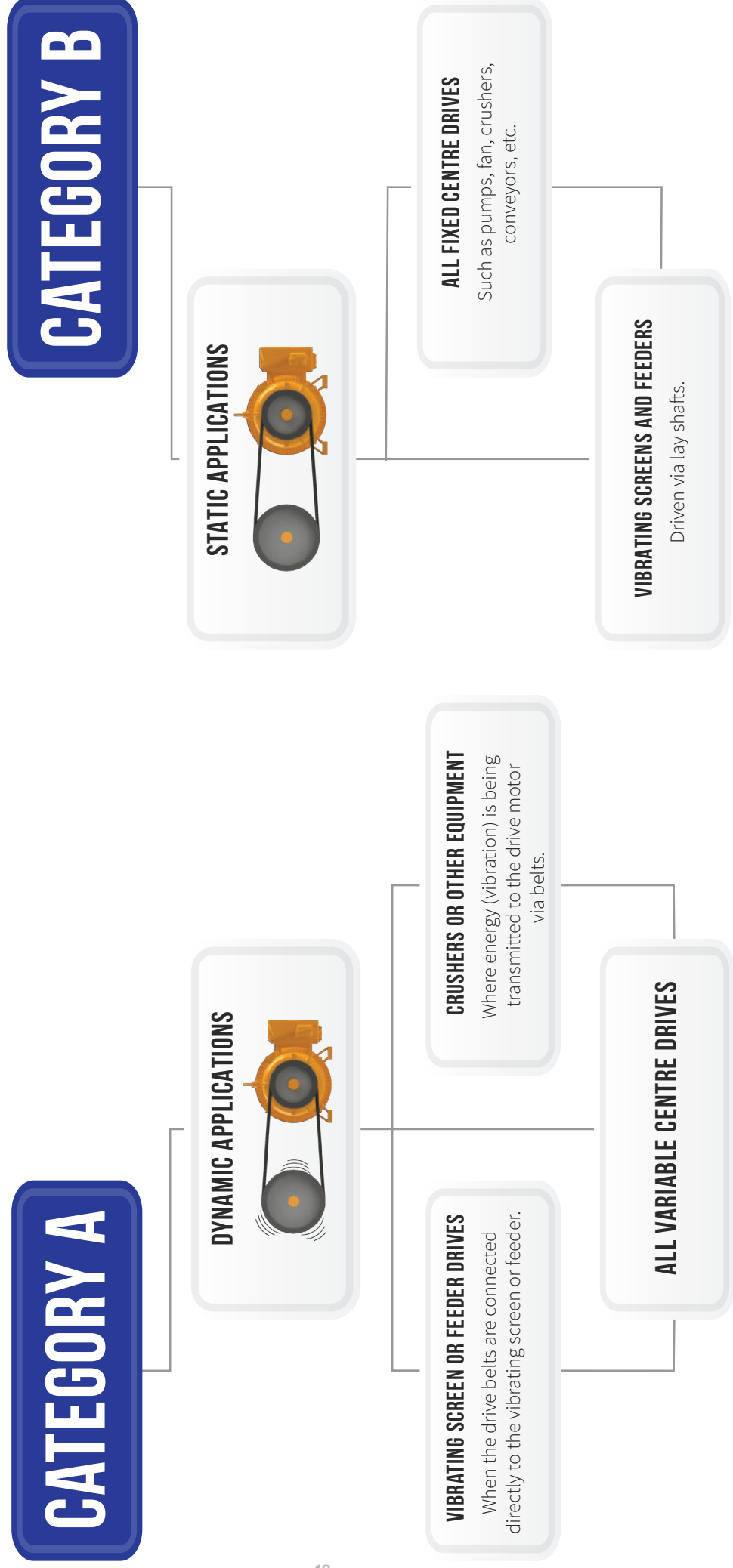


Design & Manufacturing Motor Bases For
More Than 20 Years





MOTOR BASE SELECTION CATEGORY



MOTOR BASE

QUICK SELECTION GUIDE

Leverlink Motor Bases use rubber torsion springs as a means of storing energy to maintain constant and correct vee belt tension.

STEP ONE

Is your application a category A or B?

STEP TWO

Pick your Drive Configuration - Electric motors are mounted in a wide range of positions to best suit the application.

STEP THREE

What is the Power Rating?

This will be known as Kilowatts (kW) or Horse Power (HP).

STEP FOUR

Poles - The Poles determine the speed of the motor in RPM.

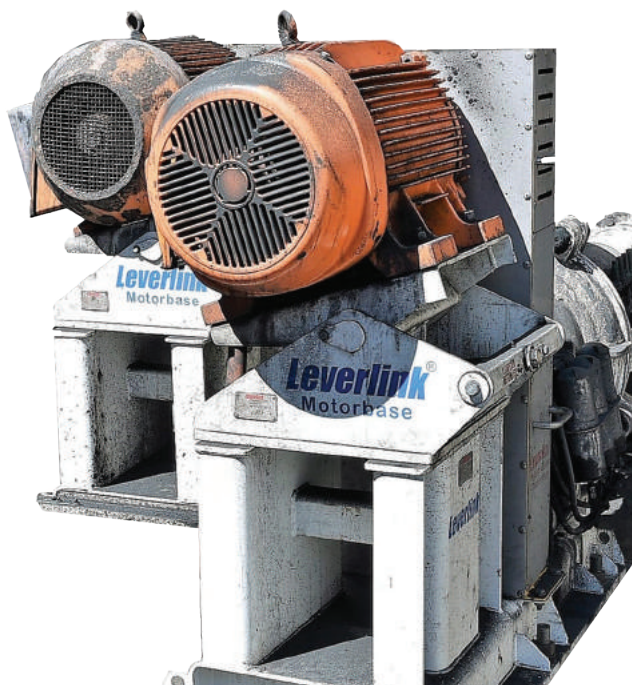
4, 6 or 8 pole.

STEP FIVE

Frame Size - This is the description of the motor type and size e.g. D180L.

TO VIEW MORE
MOTOR BASES VISIT
WWW.LEVERLINK.COM.AU

OVERHEAD DRIVE



MOTOR BASE- ZV SERIES

Designed for overhead drives of all types in the harshest environments. The tensioning system is fully enclosed, lubricated and will operate in any conditions.

This series has been operating for over 20 years and is highly recommended.

SPECIFICATIONS

Models	Category
5.5kW to 45kW	B



MOTOR BASE- CVVL SERIES

Designed for overhead drives of all types in any conditions.

The tensioning systems is fully enclosed, lubricated, and will operate in any conditions.

SPECIFICATIONS

Models	Category
5.5kW to 45kW	B

THE MOTOR BASES



MOTOR BASE- VL SERIES

Designed for overhead drives of all types in the harshest environments. The tensioning system is fully enclosed, lubricated and will operate in any conditions.

This series has been operating for over 20 years and is highly recommended.

SPECIFICATIONS

Models	Category
55kW to 630kW	B



MOTOR BASE- VL SERIES

Designed for overhead drives of all types in the most harshest environments. The tensioning system is fully enclosed, lubricated and will operate in any conditions.

This series has been operating for over 20 years and is highly recommended.

SPECIFICATIONS

Models	Category
55kW to 630kW	B

HORIZONTAL DRIVE



MOTOR BASE- 4G SERIES

The Leverlink 4G motor base for crushers, slurry pumps, fan drives, wood chip drives, and other vee belt drive applications. Has been proven for over 20 years of design and manufacturing.

Top range model for static drives of all types.

SPECIFICATIONS

Models	Category
Up to 280kW	B



MOTOR BASE- LPST SERIES

Ideal for dynamic machinery drives such as vibrating screens, feeder and centrifuge. Some gyratory crushers transmit energy through the v-belt drive system, making this motor base suitable for such an application.

The tensioning system is fully enclosed and lubricated, and will operate in the harshest of environments.

SPECIFICATIONS

Models	Category
Up to 28kW	A

VE MOTOR BASES

MOTOR BASE- ST SERIES



A standard model with side tensioning for ease of changing and adjusting belts. Ideal for dynamic machinery drives such as vibrating screens, feeders and centrifuge.

The tensioning system is fully enclosed and lubricated and will operate in the harshest of conditions without fear of failure.

SPECIFICATIONS

Models	Category
From 3kW to 280kW	A



MOTOR BASE- Q SERIES

The Q-series are our most cost effective models with open thread adjustment. Suitable for dynamic machinery drives such as vibrating screens and feeders.

** Not recommended for harsh or corrosive environments.*

SPECIFICATIONS

Models	Category
Up to 110kW	A

HORIZONTAL DRIVE MOTOR BASES

MOTOR BASE- HA SERIES



A tried and proven heavy duty motor base operating with dual rubber torsion springs to provide stability and safety for large electric motors over 200kW.

The tensioning system is fully enclosed and lubricated and will operate in the harshest of conditions without the fear of failure.

SPECIFICATIONS

Models	Category
60kW to 1000kW	B

MOTOR BASE- HA X SERIES



Extended version of the HA-Series designed to accommodate a clutch and/or coupling with bearings and drive pulley on the same platform.

The tensioning system fully enclosed, lubricated and will operate in the harshest of conditions without the fear of failure.

SPECIFICATIONS

Models	Category
200k to 1000kW	B

VERTICAL DRIVE MOTOR BASES



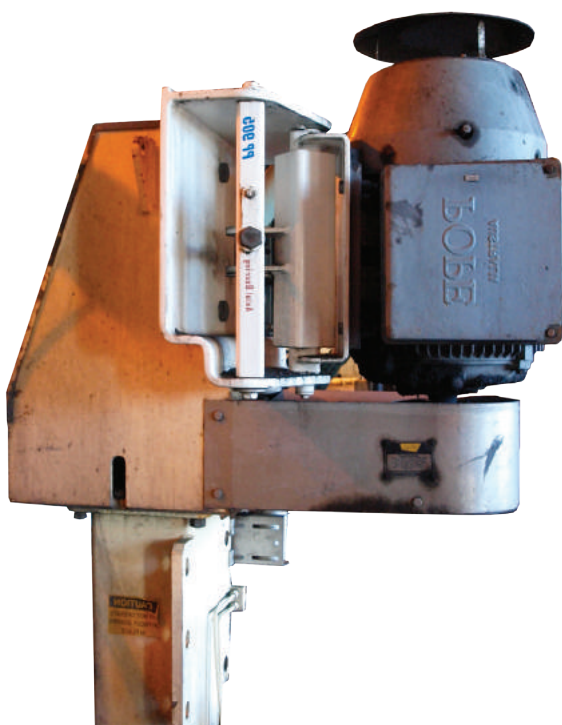
MOTOR BASE- **VU** SERIES

Designed for Vertical UP drives of all types in harsh environments.

Lubricated tensioning system for long service life.

SPECIFICATIONS

Models	Category
Up to 75kW	B



MOTOR BASE- **VD** SERIES

Designed for Vertical Down drives of all types in the harshest environments.

Lubricated tensioning system for long service life.

SPECIFICATIONS

Models	Category
Up to 75kW	B

DRIVE GUARDS

Our Guards consist of a number of different materials. These have proven to be very popular and are very light, strong and durable. Designs can be adapted to the end users specifications.

High recommended for VEE belt guards.



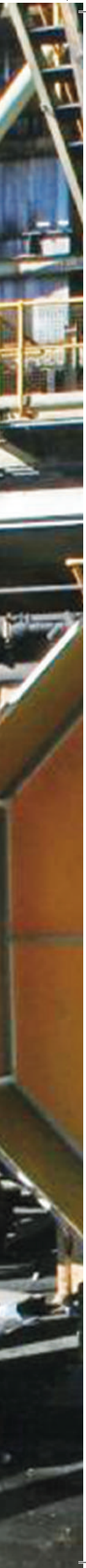
Lightweight.



Durable Materials.



Great Engineering Designs.





PUMP DRIVES & MACHINE BASE FRAMES

Leverlink have been designing and manufacturing pump drives and machine based frames for many years. We also rebuild/refurbish units in our workshop. We will engineer the design to best suit the client's requirements and site specifications.



Made in Australia.



Protective Coating



Site Specific Designs

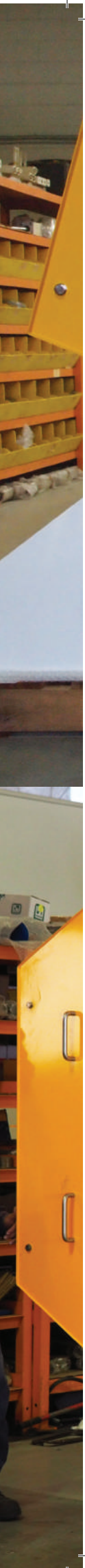




PUMP PACKAGES

Leverlink have been designing and manufacturing pump drive motor bases, guards and machine base frames and pedestals for many years, to make up complete packages or separate components.

We have data sheets available on our website (www.leverlink.com.au) as well as experienced staff, that are available to visit your site to measure and quote for your specific application. We also rebuild/refurbish units in our workshop, that have been previously installed and are getting close to the end of their working cycle.





MOTOR SUPPORT STRUCTURES

We have been designing and manufacturing Motor Support Structures for vibrating screens for the past 25 years. Our motor support structures are engineered to align with our Stored Energy Motor Bases, which are industry standard on many mining sites.

SUPPORT STRUCTURE

We have designed and manufactured this support structure for screen drives in the mining industry. A different type of motor support structure for vibrating screens.



Lightweight & Cost Effective

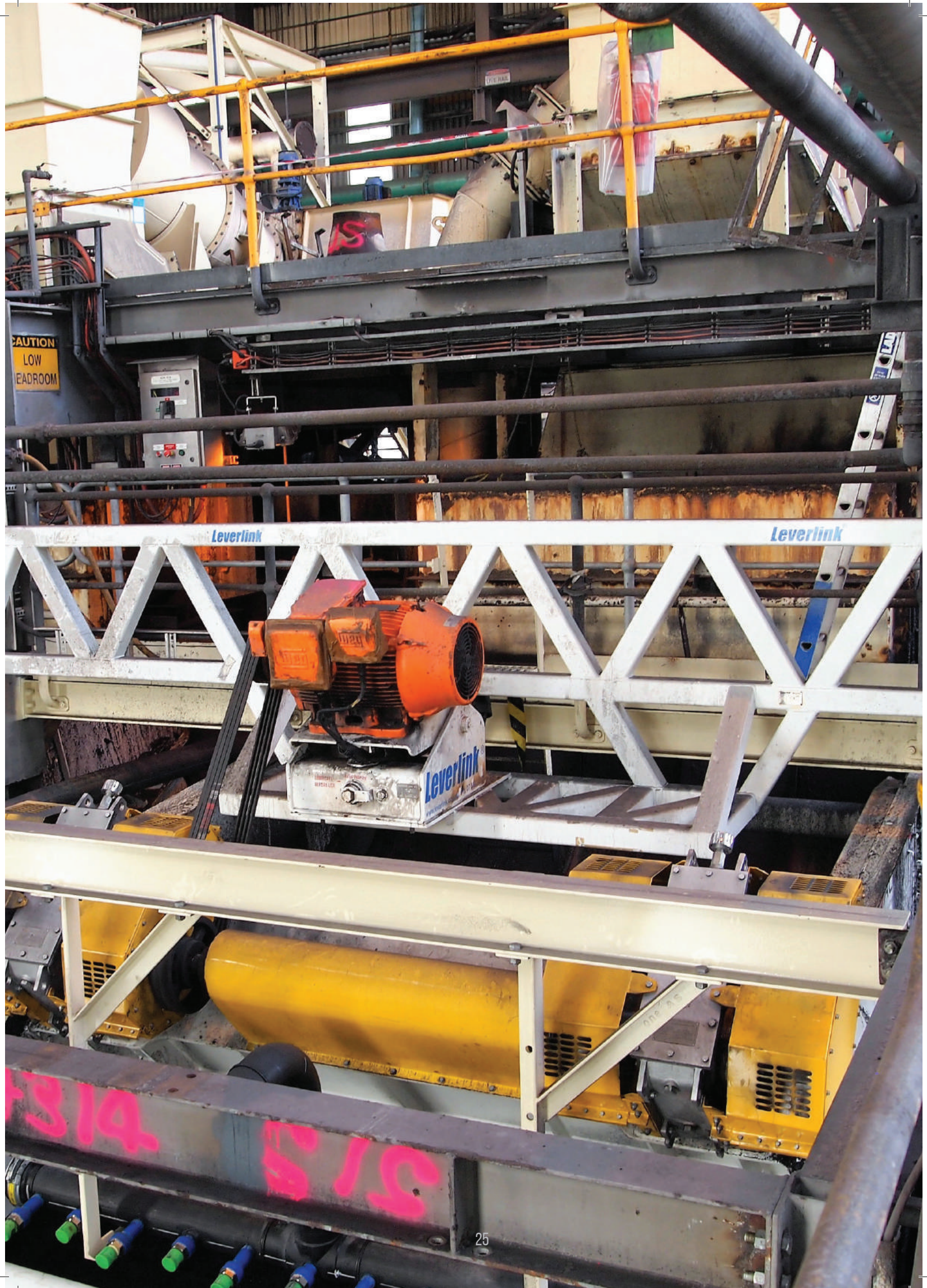


Proven In Hostile Environments



25 Year Track Record of
Design and Engineering





CAUTION
LOW
HEADROOM

Leverlink

Leverlink

Leverlink

314
515

JOCKEY TENSIONERS J-SERIES

The J-Series of jockey tensioners has a long and successful history in the agriculture industry providing constant vee belt tension to both combustion and electric motor drives often located in remote locations.



Complete Customer Satisfaction



A Simple & Effective Engineering Solution



Designed For Fixed Center Drive Arrangements







JOCKEY TENSIONERS

A Jockey Tensioning system is used where drive and driven pulleys have fixed centers.

*** Unlimited size range.**

This system is often used as a mid span tensioner with belts in excess of 8 metre centers and the drive and driven pulleys are fixed.

Lubricated tensioning system for long service life.



DYNAMIC IMPACT BEDS

The dissipation of kinetic energy is a major design consideration. From the information supplied we will engineer a solution that will minimise belt damage and extend the service life of the product. In most cases, we will also give you a 5 year structural and mechanical warranty. *This warranty will not apply to consumables.*



Dissipates Kinetic Energy



Specialising In Big Belts (1200mm to 3000mm wide)

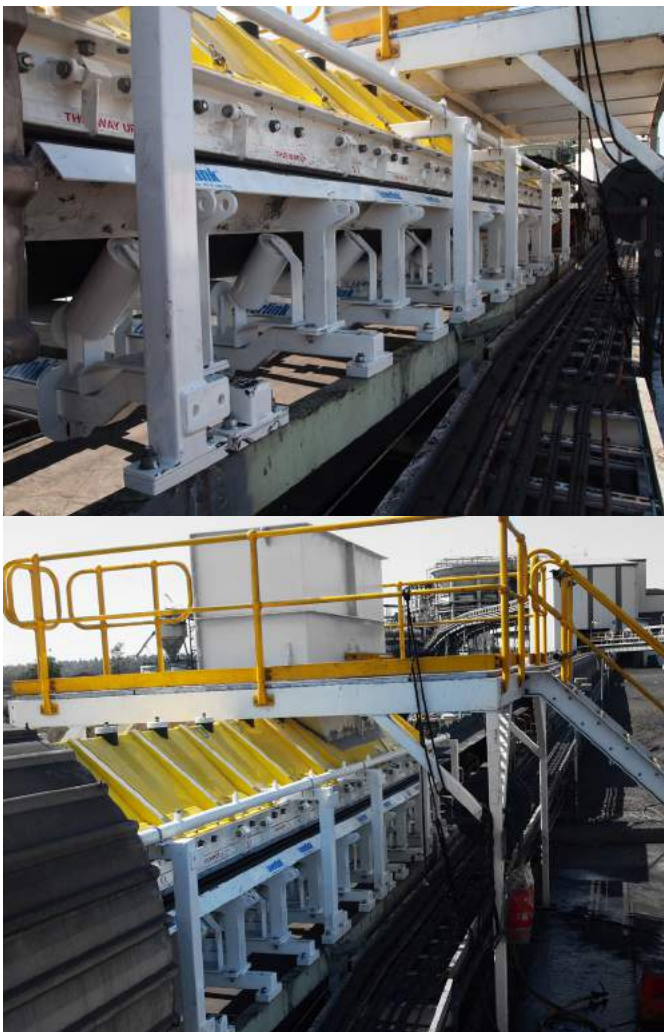
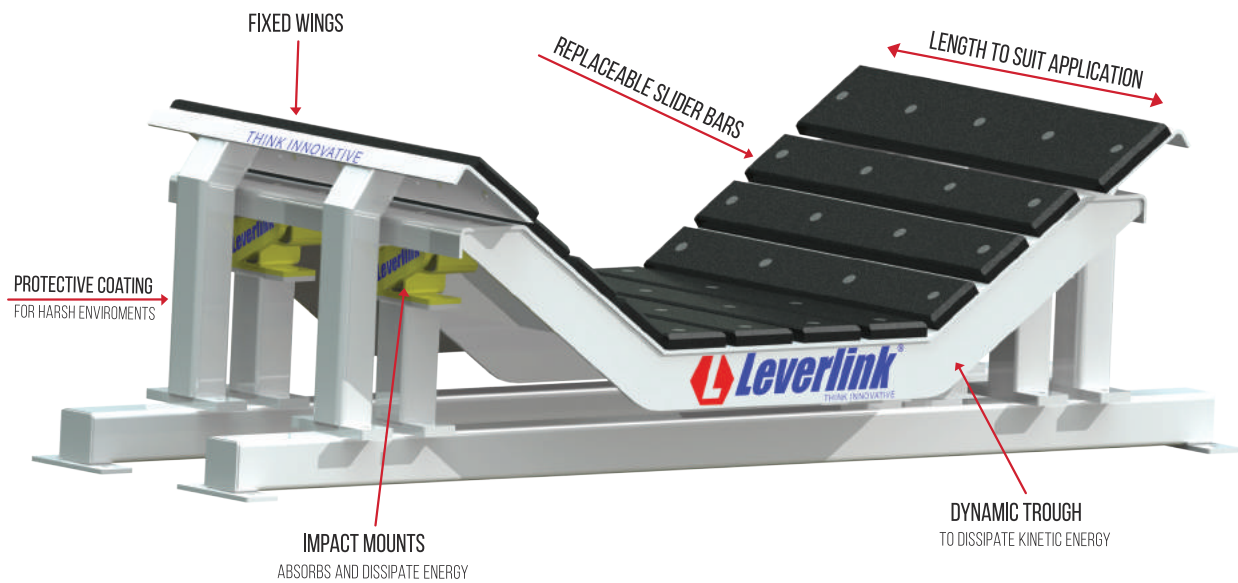


Individually Designed & Engineered For
Your Application





DYNAMIC IM



FEATURES & BENEFITS



Designed to Your Application – We design with cost effective methods in order to increase belt life and reduce maintenance time.



Dynamic Suspension System – Dissipates kinetic energy to protect belts and structure of the conveyor systems.



Fixed Wings to Prevent Leakage – This method reduces wastage and minimises clean up while also assisting in eliminating WHS issues.



Polymer Slider Bar Media – Available in FRAS. No rollers to fail due to impact.

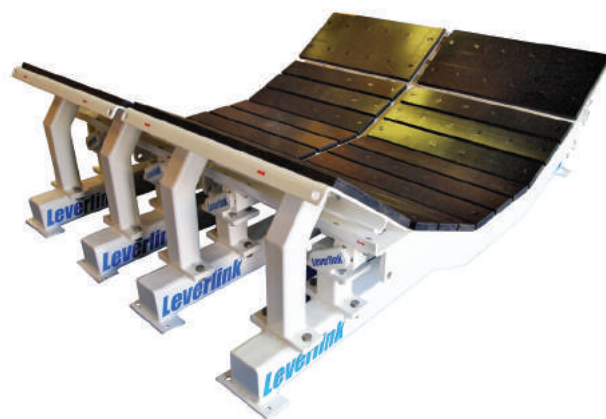
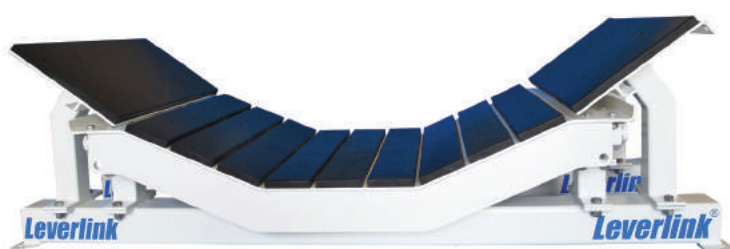


Protective Coating – Our protective coating has proven to last over time even in the harshest environments.

IMPACT BEDS

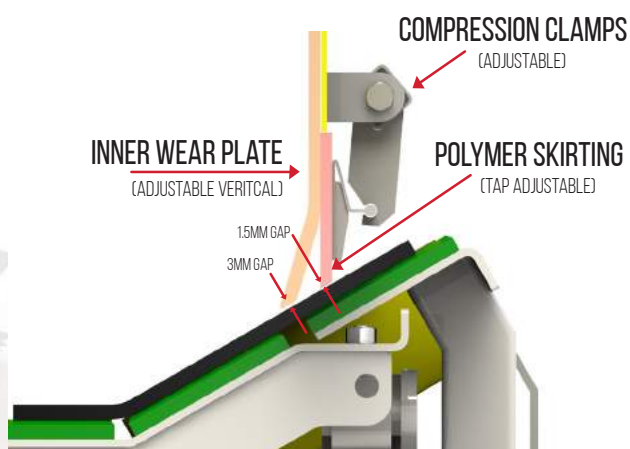
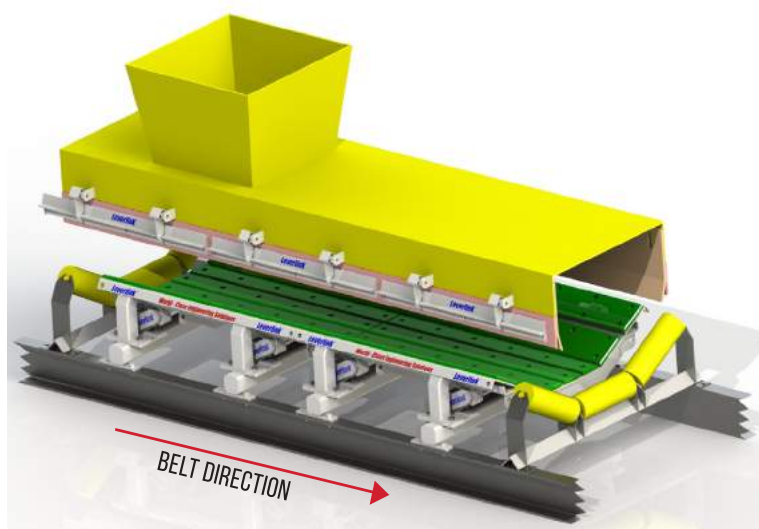
SPECIFICATIONS & GUIDELINES

IMPACT SPEED	IMPACT BAR MATERIAL		TONNAGE PER HOUR
Up to 6 m/sec	Polymer Slide Media, FRAS available		Up to 15,000 tph
AVAILABLE SIZE	MAXIMUM TEMPERATURE		IMPACT ENERGY
Up to 3000mm Belt Width	Polymer	-150°C to 80°C	Lump Weight: 500kg
Length to suit	FRAS	-250°C to 80°C	Drop Height: Up to 10 metres



LEVERLINK SKIRTING SYSTEM

To minimise leakage and reduce maintenance, it is best to combine Leverlink's Dynamic Impact Bed with Leverlink's Skirting Systems. Please contact us in regards to our Skirting Systems so we can provide you with the most accurate information.



DUST ENCLOSURE

Conveyor dust enclosures can be manufactured to your specifications. Alternatively, our design team are able to present you with a solution that will best suit the application. Provision for spray suppression can be included in the design if required.



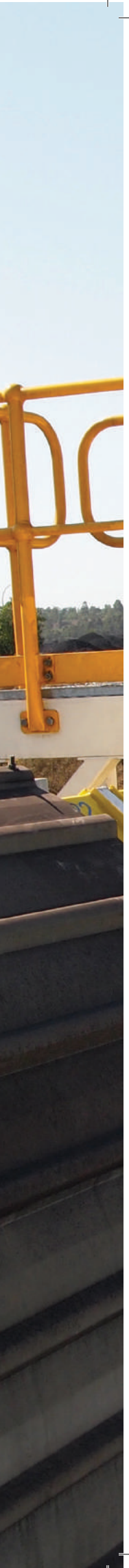
Materials Of Choice

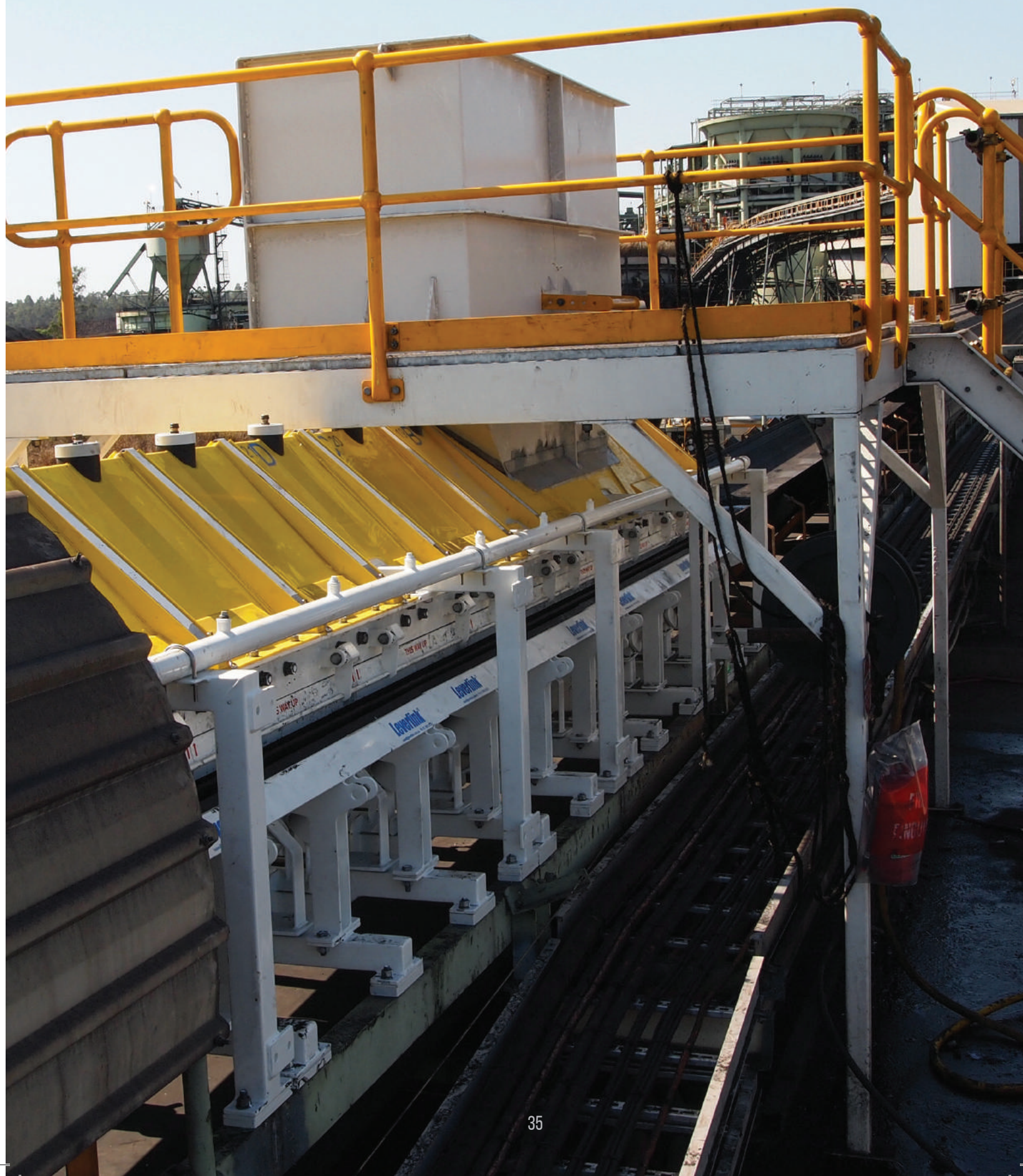


Control Of Airborne Dust



Meet Budget Requirements









CONVEYOR TILT ROLLERS

Designed to be placed in areas where the conveyor belt cannot be lifted to change or replace rollers. The **TILT IDLER** system is your solution for decreasing downtime by simply pulling back the pin and rolling back the frame to a 45 degree angle and remove or replace.



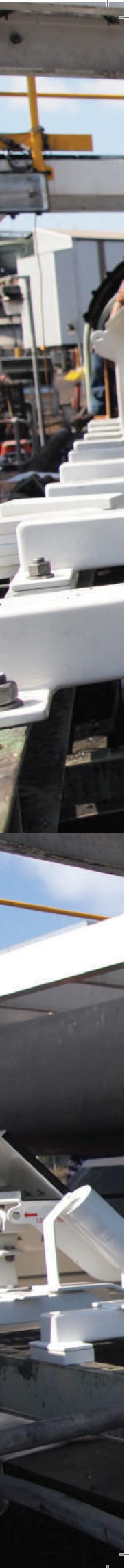
Tilts Frame Back To A 45 Degree Angle For Easy Maintenance



Fits In Areas Where Conveyor Belt Cannot Be Lifted Or Replaced



Reduces Downtime





CHAIN TENSIONERS

1" - 6"

25 years ago we developed our large chain tensioning technology. Specialising from 1 inch to 6 inch pitch, we have established Leverlink as a world leader in prolonging chain life and increasing plant availability. Smaller units are available ex-stock.

However, large chains require a degree of engineering design and customisation to accommodate mounting positions and length of chain run. This is critical to a successful installation and customer satisfaction.



Proven In Hostile Environments



Simple Replacement Of Lightweight
Rubbing Block



Reduces Maintenance Cost
& Extends Plant Availability



STORED ENERGY C



CHAIN TENSIONER 2.0\" PITCH TRIPLEX

The polymer rubbing block provides a smooth gliding surface that can be reversed when worn and the other side used.



CHAIN TENSIONER 4.5\" PITCH SIMPLEX

The Leverlink polymer rubbing block provides a smooth gliding surface that can be reversed when worn and the other side used.

CHAIN TENSIONERS



CHAIN TENSIONER 2.5" PITCH TRIPLEX

A typical large chain tensioning design. For a 4.063 pitch chain drive.



CHAIN TENSIONER 5.0" PITCH SIMPLEX

A 5 inch pitch simplex tensioner designed for wet application in a harsh mining environment. The tensioning system is totally enclosed and lubricated.

BELT MAGNETS

Belt magnets are used to remove tramp iron, drill bits, bucket teeth and much more from the entry into the crusher.





GUARDING MACHINES & CONVEYORS

Leverlink's guarding for machines, slurry pumps and conveyors can be manufactured from a number of different materials depending on the environment and the customer's requirements. While compliance to standards is paramount, our engineering is focused to designs that require minimum effort to fit and remove for maintenance purposes.



Lightweight



Durable Materials

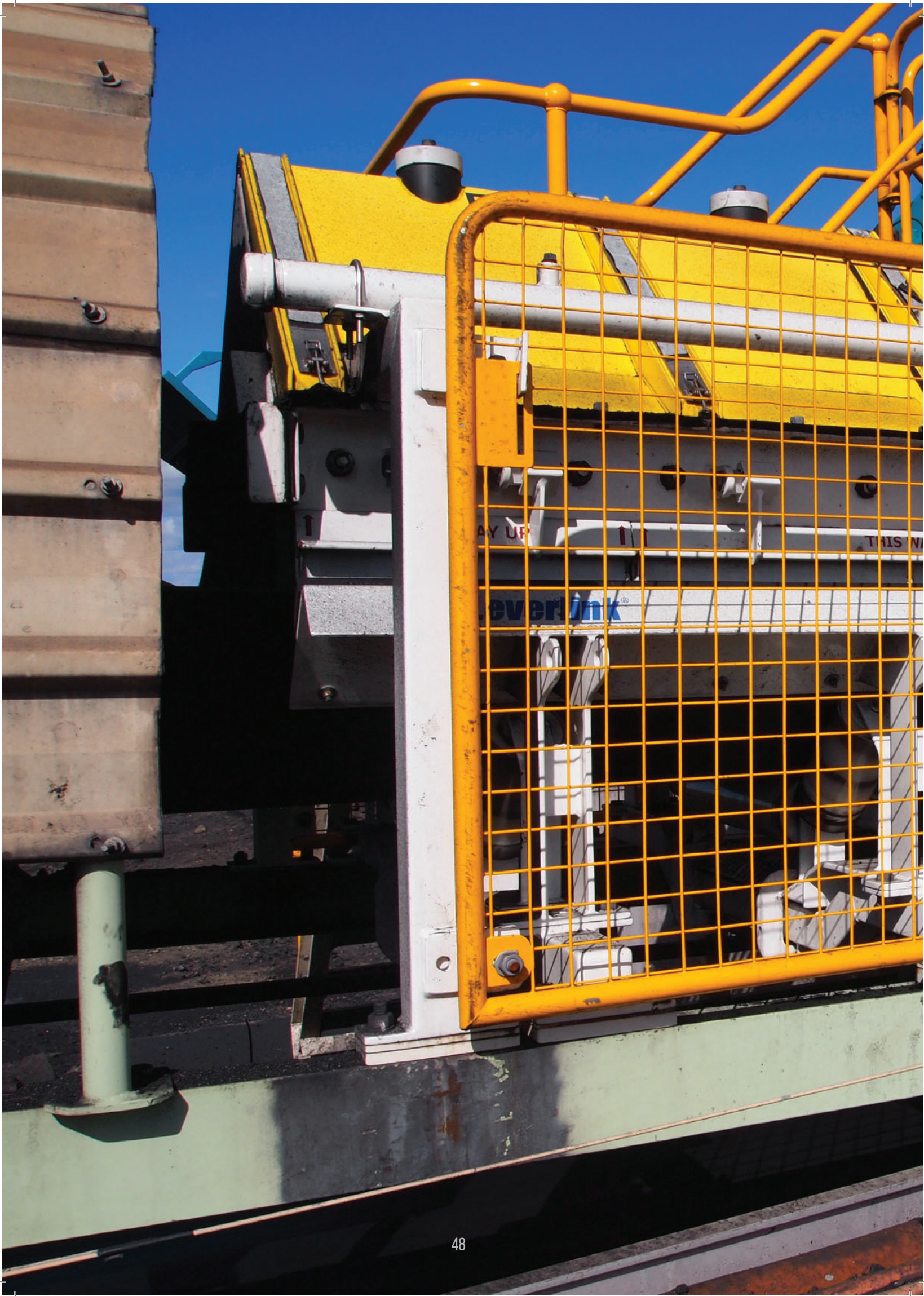


Great Engineering Designs





Everlink
www.everlink.com.au Ph: 07 3803 0122





LEVERLINK IMPA



CONVEYOR HEAD CHUTE **IMPACT ASSEMBLIES**

Supplied to the iron ore industry (60 units) as part of a conveyor head chute impact system.



CONVEYOR HEAD CHUTE **IMPACT/ DEFLECT SYSTEM**

Supplied to the aluminum smelting Industry as an impact/ deflection system for conveyor transfer.

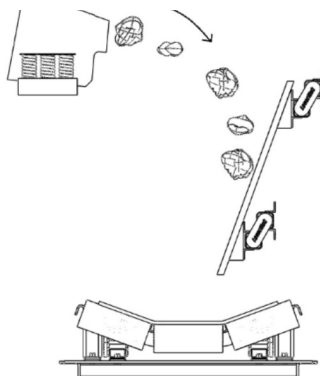
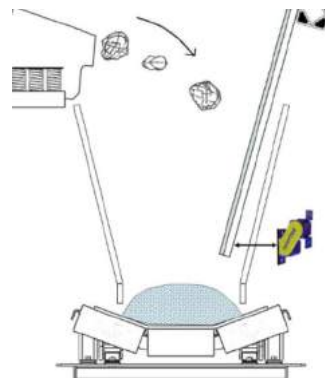
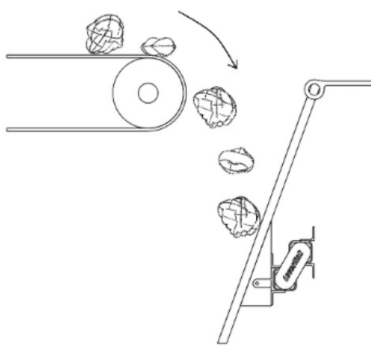
ACT TECHNOLOGY



FEEDER IMPACT/ DEFLECTOR PLATE

Feeder impact/ deflector plate fitted to a 1600 wide conveyor belt load zone. Often used in the coal mining industry.

Adjustable toe to position material on center of conveyor belt while dissipating impact (kinetic) energy, reducing noise and damage to the supporting structure.



LET'S START YOUR PROJECT

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