



Efficient Solutions, Reliable Performance.

- **DESIGN**
- **MANUFACTURE**
- **INSTALL**
- **SERVICE**



BMS CONVEYOR BELT CLEANERS

Since 1994, BMS have been a specialist supplier of conveyor belt scrapers to the bulk handling and mineral extract industries.

Located within the North of the UK, comprising of an experienced team of dedicated staff we continue to provide excellent services to our longstanding clients through a close working relationship and a willing company culture.

We are a specialist manufacturer of Primary 'Pre-Cleaner', Secondary, and V-Plough Scrapers for the material handling industry, with a proven design for efficient belt cleaning and reliable performance.

We have vast experience in sectors including quarrying and aggregate, mining, recycling and waste, sand and gravel, agriculture, cement, biomass, ports, food and many more.

Our goal is to eliminate your conveyor belt carryback, helping you to reduce downtime, increase your productivity levels and support proactive health and safety measures.

We distribute both within the UK and globally including Europe, Asia and East and West Africa.

DESIGN

Our scrapers can be custom built to best suit the unique conveying systems of different industries and applications.

BMS provides detailed 3D CAD drawings for all of our products and can offer installation drawings at design stage to assist OEM and customer requirements.

MANUFACTURE

Our in-house manufacturing facilities enable us to meet any of our customer specifications. All of our product materials are sourced and manufactured in the UK.

Each project is worked on by our experienced team who analyse each aspect of the customer's conveyor and material specification to ensure the end result is a robust and efficient solution.



INSTALL

Fully-trained site engineers are available to carry out all of our product installations.

We also work alongside site teams to provide specific product advice and assistance at commissioning and maintenance stages.

SERVICE

BMS doesn't stop at installation. We provide service contracts to establish regular maintenance visits, extending our product and blade life.

Service reports are produced on scraper performance and condition after each visit, enabling you to work proactively, programme replacements and avoid downtime.

For more information on products, please get in touch directly through the details on the back page.



SAFETY

BMS holds health and safety as a priority. It is a core focus in all operations of our business from management, through to our workshop, office and on-site staff.

BMS has successfully obtained and maintained Avetta since 2012 and this is assessed in accordance with SSIP. This ensures our health and safety documentation is up to date with current legislation and best practice.



QUALITY

BMS is accredited under the ISO 9001 quality management system through an external auditing process. This provides clarity to our processes and systems to ensure we maintain service excellence for our customers.



CLIENTS

We have a strong and diverse client base within the UK and internationally. We are proud to have established contracts with prestigious blue chip organisations.

Alongside our customers we have built longstanding relationships with suppliers and international distributors that have supported BMS through the generations.





SCRAPER TYPES

BMS Scrapers can be installed across all bulk handling industries and help to minimise material carry back, reducing downtime, increasing productivity and aiding not only safety but environmental performance.

All BMS Scrapers can be installed and operated on:

- Belt speeds up to 8m/s
- Belt Widths from 300mm - 2400mm



PRIMARY

BMS Primary 'Pre-Cleaner' is equipped with a highly durable Polyurethane Blade and self-adjusting twister tensioning system. The Primary Unit is positioned on the belt head drum under the material flow and is installed with direct contact onto the conveyor belt. This is most effective at removing larger fragments of material.



SECONDARY

The E Range Secondary Scrapers comprise of Tungsten Carbide multi-blades (selected to suit material specification) torsion holders and self-adjusting torsion mounts. Secondaries are installed on the return side of the belt and are designed to remove the last 1/10mm of material, utilising the leading edge scraper principal.

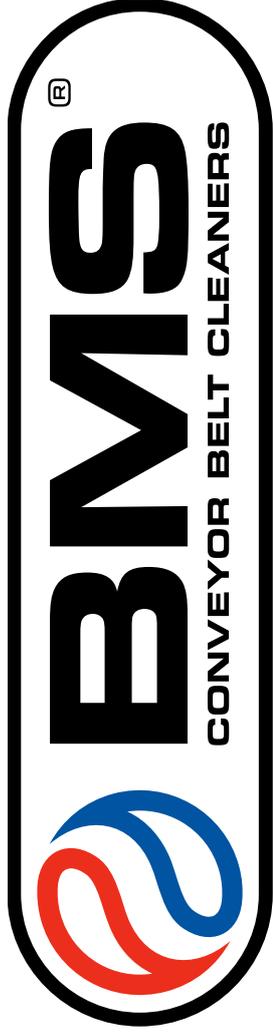


V PLOUGH

BMS V-Ploughs are fabricated in a robust V Shape, accompanied with BMS polyurethane blades to direct rogue material away from the head drum, protecting the conveyor belt, tail drum and take-up pulleys.

All BMS parts are designed and manufactured in the UK.

For more information on products, please get in touch directly through the details on the back page.



TECHNICAL CONTENT

BMS PRIMARY SCRAPER

THE E24 PRIMARY

BMS Primary 'Pre-Cleaner' is equipped with a highly durable Polyurethane Blade and self-adjusting twister tensioning system. The Primary Unit is positioned on the belt head drum under the material flow and is installed with direct contact onto the conveyor belt. This is most effective at removing larger fragments of material.

Key Features Include:

- Suitable for all material applications and industries.
- PU Blades are Ultra high-performance polyurethane for long lasting blade life.
- Designed for a quick and easy blade change.
- Provides precise cleaning due to the blade conforming exactly to the head drum/belt.
- All Primary Cleaners are equipped with self-adjusting polyurethane twisters, which can be easily tensioned.
- Protects the secondary cleaner from being overloaded by excessive material, therefore increasing its effectiveness.
- Its location is the tangential position, making servicing easier and reducing down time.



PRIMARY RANGE

E2400 MINI

Belt Speeds – Up to 2m/s
Belt Width – From 300 – 2400+mm



E2400

Belt Speeds – Up to 5m/s
Belt Width – From 450 – 2400+mm



E2400 HEAVY DUTY

Belt Speeds – Up to 6m/s
Belt Widths – From 450 – 2400+mm

All Units are installed on the head drum more information to follow.

Efficient Solutions, Reliable Performance



BMS DESIGN

Blade

Single PU Blade, this Ultra high performance polyether type polyurethane ensures long lasting blade wear including abrasive materials.

Twister

Self adjusting polyurethane twister with ease of use tensioning system.

Carrier Shaft

Carrier shaft comprises of a 550 and 850mm tube to, this enables the shaft length to be easily altered.

Mainframe

Mainframe designed for ease of blade change and simple lock in system.

Fixing Bracket

4 hole fixing bracket

Features of all BMS Products

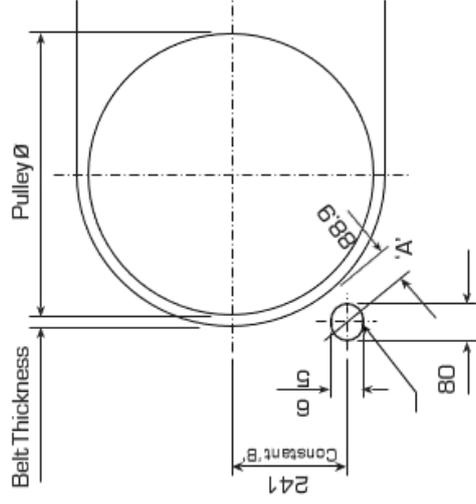
All painted components undergo a shot blasting procedure and a polyurethane paint finish, making BMS scrapers more hard-wearing and highly resistant to abrasion.

All BMS scrapers are manufactured using high quality British Steel and all other components are of UK origin.

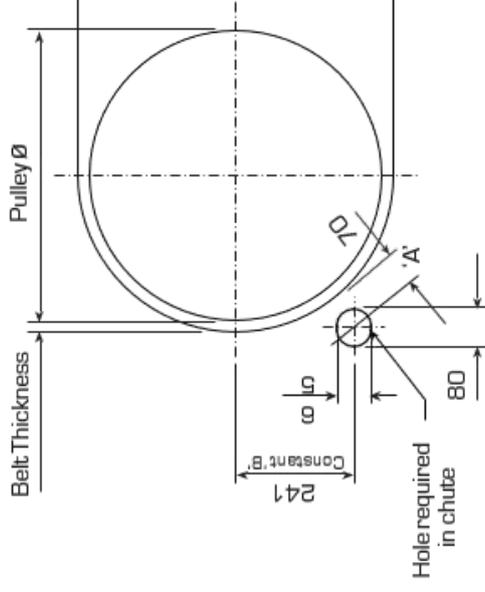
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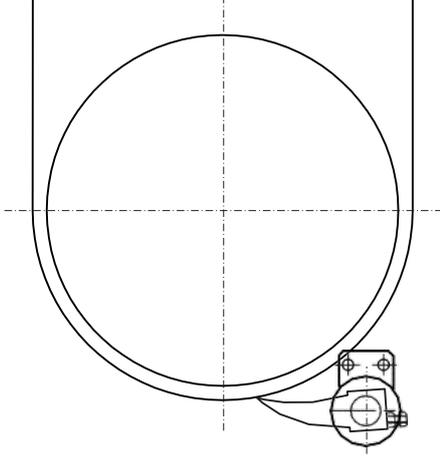
TYPICAL INSTALLATION



Example of scraper position for pulleys less than $\varnothing 600mm$



Example of scraper position for pulleys more than $\varnothing 600mm$

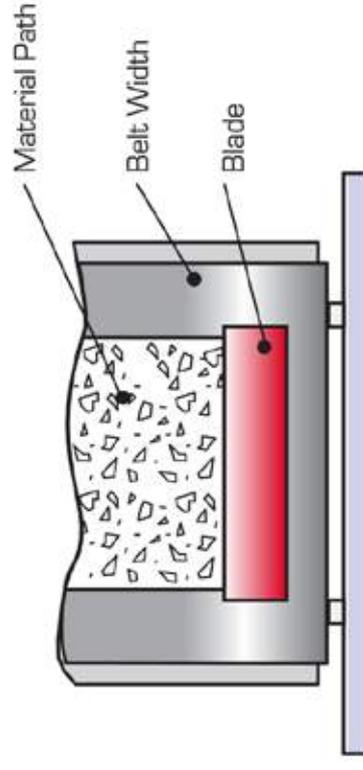
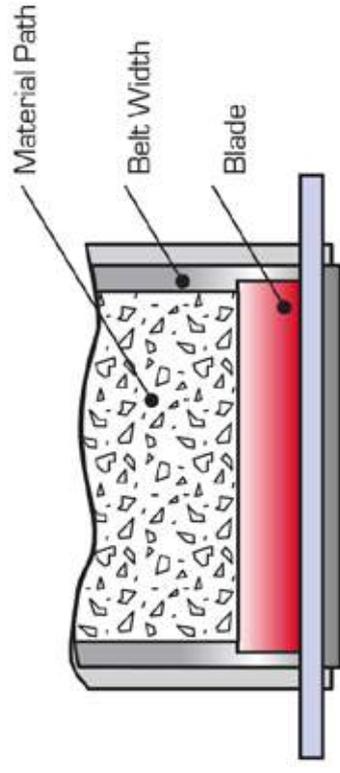


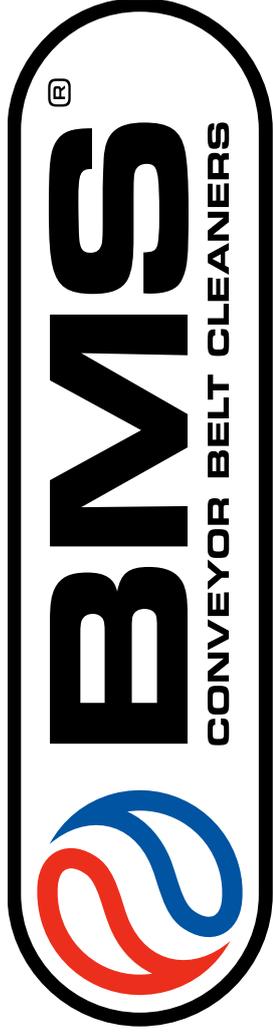
Example of scraper in position

SPECIFICATIONS

PRIMARY SPECIFICATIONS

Belt Width (mm)	'C' (mm)	'D' (mm)	Shaft Length
450	400	350	1950
600	550	500	2100
650	600	550	2150
700	650	600	2200
750	700	650	2250
800	750	700	2300
900	850	800	2400
1000	950	900	2500
1200	1100	1000	2700
1350	1250	1150	2850
1500	1400	1300	3000
1650	1550	1450	3150
1800	1700	1600	3300
2000	1900	1800	3500
2200	2100	2000	3700
2400	2300	2200	3900





TECHNICAL CONTENT

BMS 'E' RANGE SECONDARY SCRAPER

THE E RANGE SECONDARY

The E Range Secondary Scrapers comprise of Tungsten Carbide multi-blades (selected to suit material specification) torsion holders and self adjusting torsion mounts. Secondary's are installed on the return side of the belt and are designed to remove the last 1/10mm of material, utilising the leading edge scraper principal.



Key Features Include:

- ✔ Suitable for all belt widths and speeds
- ✔ Range of Tungsten Carbide blades to suit material specification
- ✔ Utilising 'leading edge' application to ensure continuous cleaning efficiency
- ✔ Rubber torsions inside individual holders to ensure blade deflection when contact with belt fasteners or obstructions takes place
- ✔ Equipped with torsion mounts to enable self adjusting contact with the belt
- ✔ Blade and holder designed for easy refurbishment



THE RANGE

Light Duty – E2200

Belt Speeds – Up to 2m/s
Belt Width – From 300 – 900mm



Medium Duty – E2500

Belt Speeds – Up to 6m/s
Belt Width – From 300 – 1200mm



Standard Duty – E2000

Belt Speeds – Up to 8m/s
Belt Widths – From 650 – 2000+mm



All Units are installed on the under side of the belt.

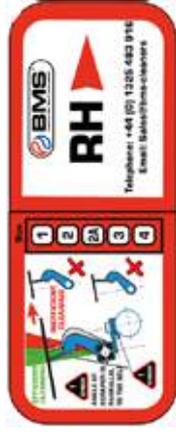
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FEATURES

Torsion Mounts

Self-adjusting torsion mounts give further assistance to the holders in instances of blade deflection.
Installation sticker below with each mount.



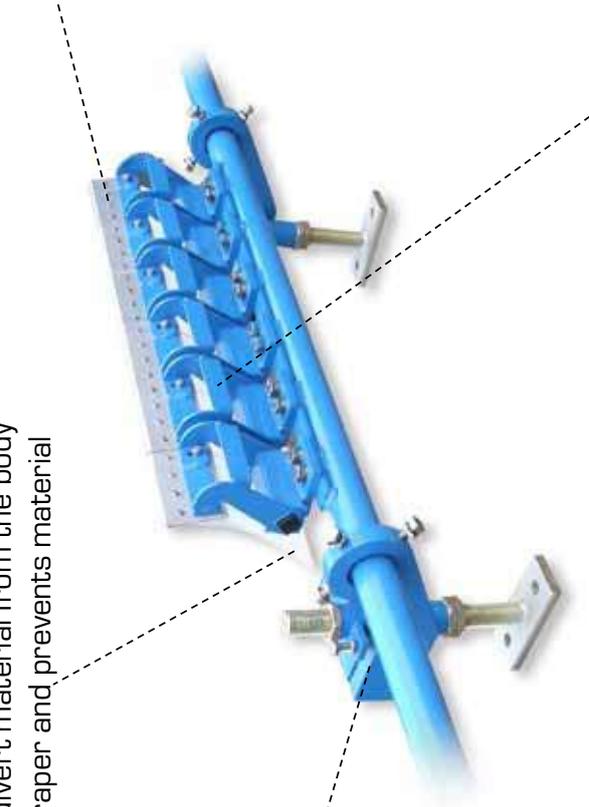
Features of all BMS Products

All painted components undergo a shot blasting procedure and a polyurethane paint finish, making BMS scrapers more hard-wearing and highly resistant to abrasion.

All BMS scrapers are manufactured using high quality British Steel and all other components are of UK origin.

Polyskirts

Polyskirts are attached with each blade to divert material from the body of the scraper and prevents material build up.



Blade

Each blade is easily installed onto the holder and also adjustable in height.

A range of Tungsten blades are available, TC, 3T and for belts with clipped joints TCS & C10. Selected to suit material specification.

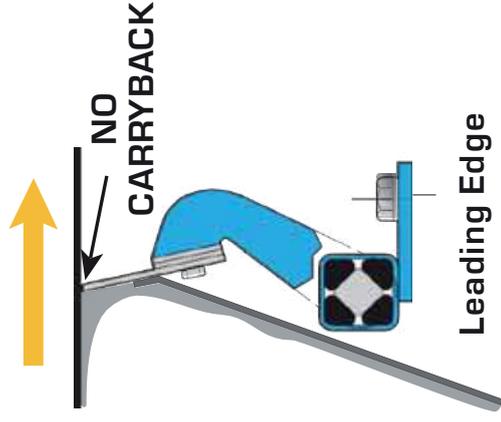
Holder

The E Range Secondary Scrapers are designed with individual blade holders, each holder body is equipped with rubber torsions which allows firm blade deflection and alignment across the blades.

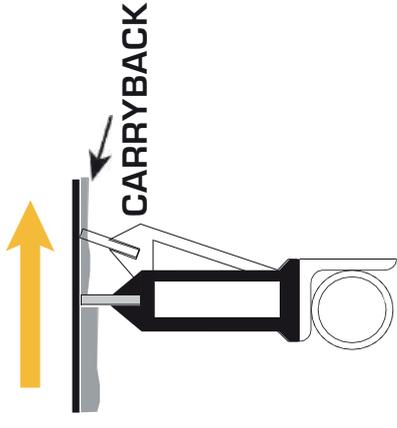
BMS DESIGN

Principals of Belt Cleaning

BMS, 'Leading Edge Principle'
inclines the blades (BMS design)
at an angle towards the
direction of the belt



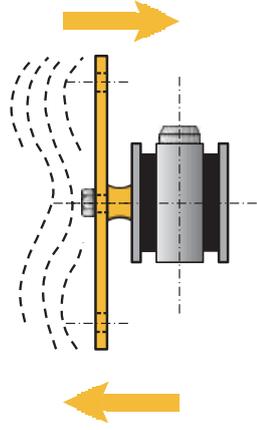
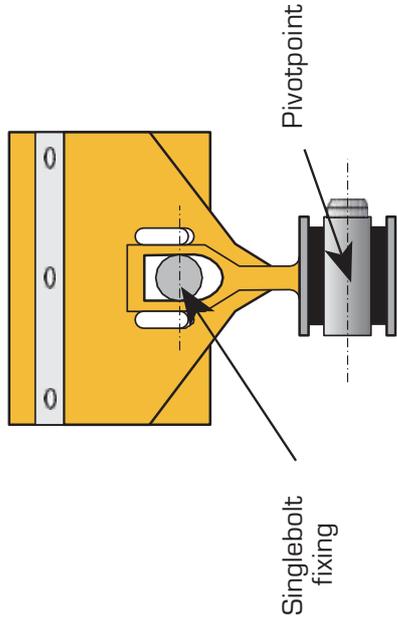
Leading Edge
**CONTINUOUS
CLEANING
EFFICIENCY**



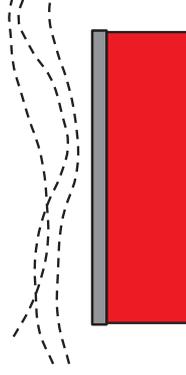
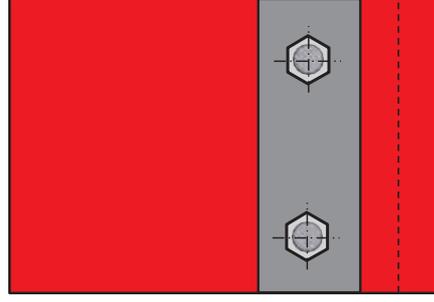
Perpendicular /
Trailing Blade
**INEFFICIENT
CLEANING**

BLADE / HOLDER DESIGNS

INEFFICIENT BLADE DESIGNS

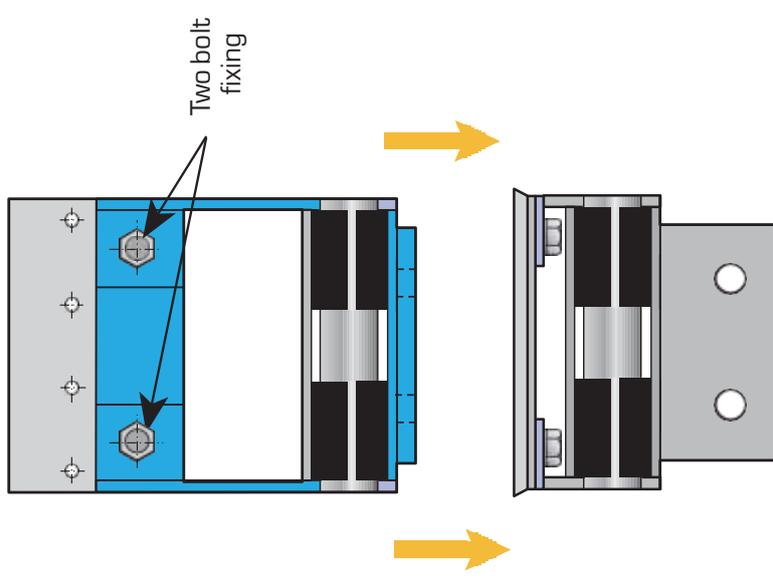


One fixing point design creates pivot point



Solid block design movement in direction of belt

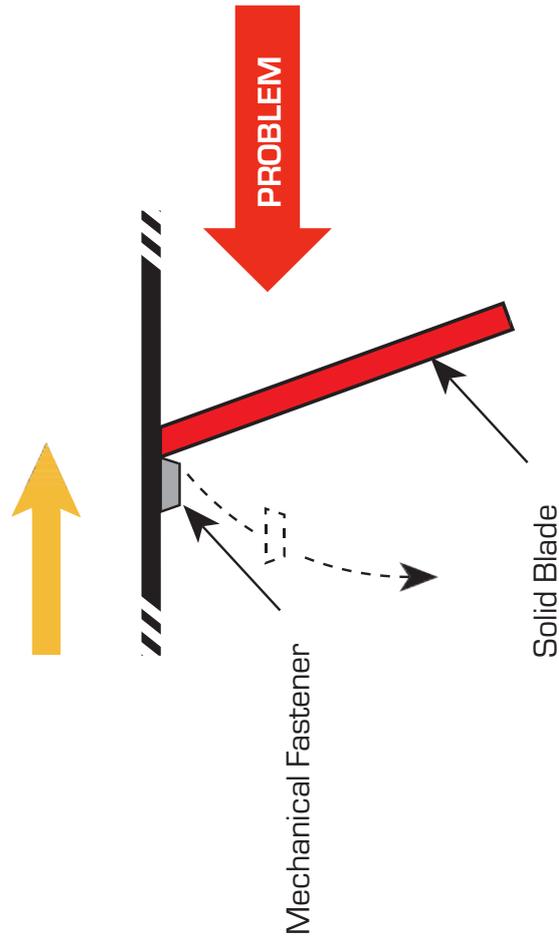
BMS BLADE DESIGN



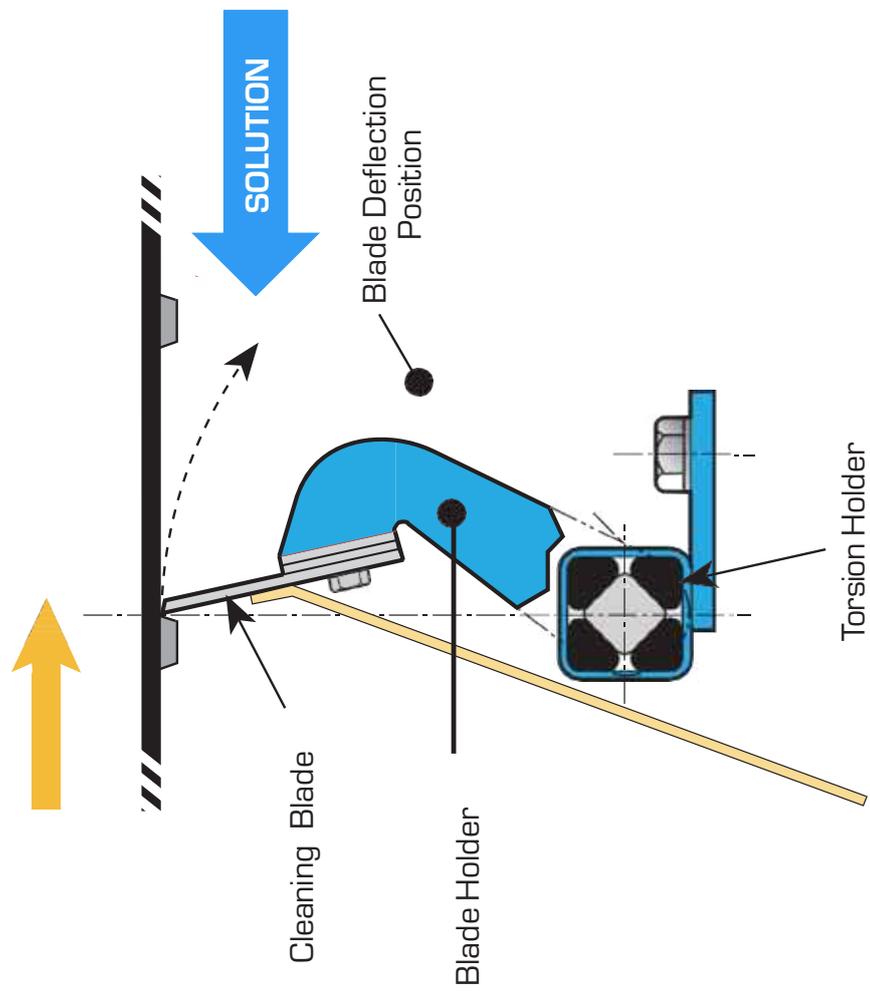
Advantages of two fixing point design:
NO PIVOT POINT - NO OSCILLATION



BLADE DEFLECTION

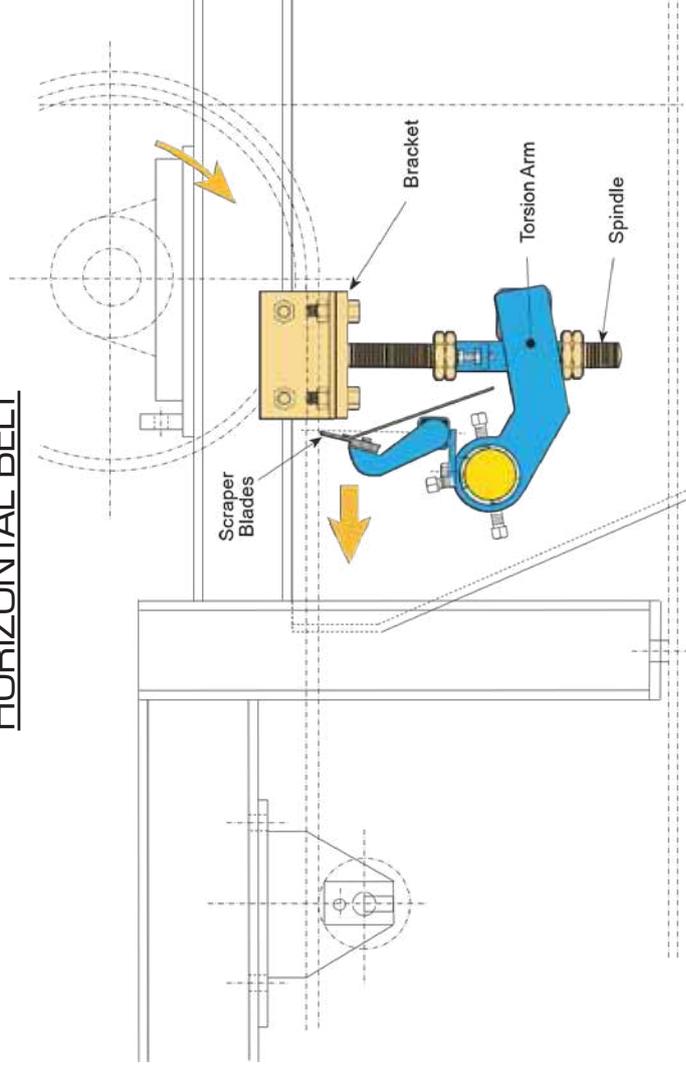


Torsion rubber inside the BMS holder ensures no damage to the belt or scraper blade in instances

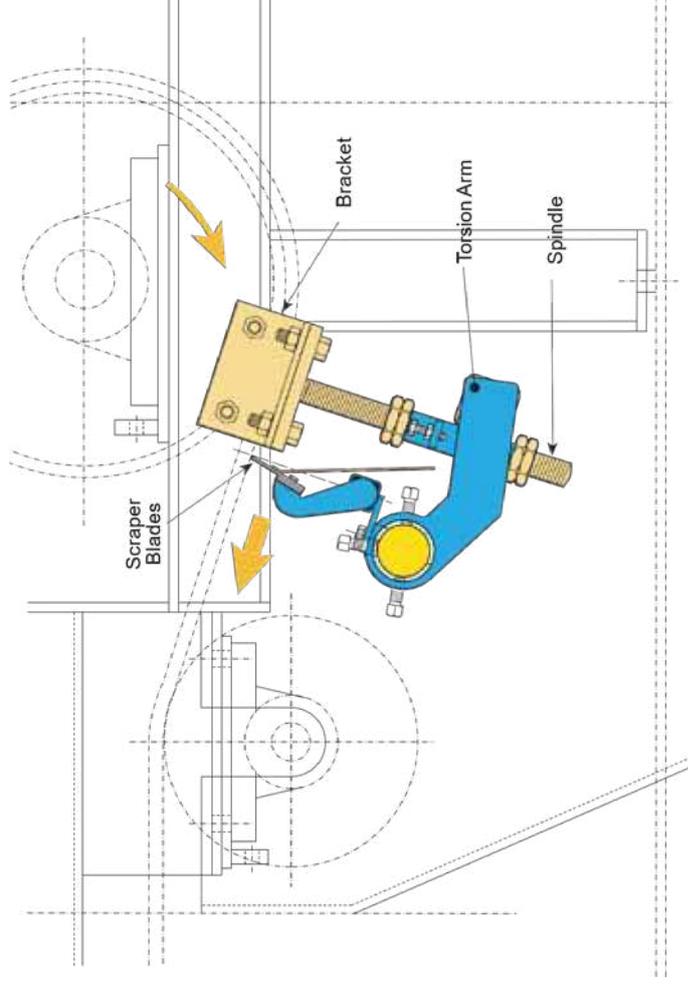


TYPICAL INSTALLATION

HORIZONTAL BELT



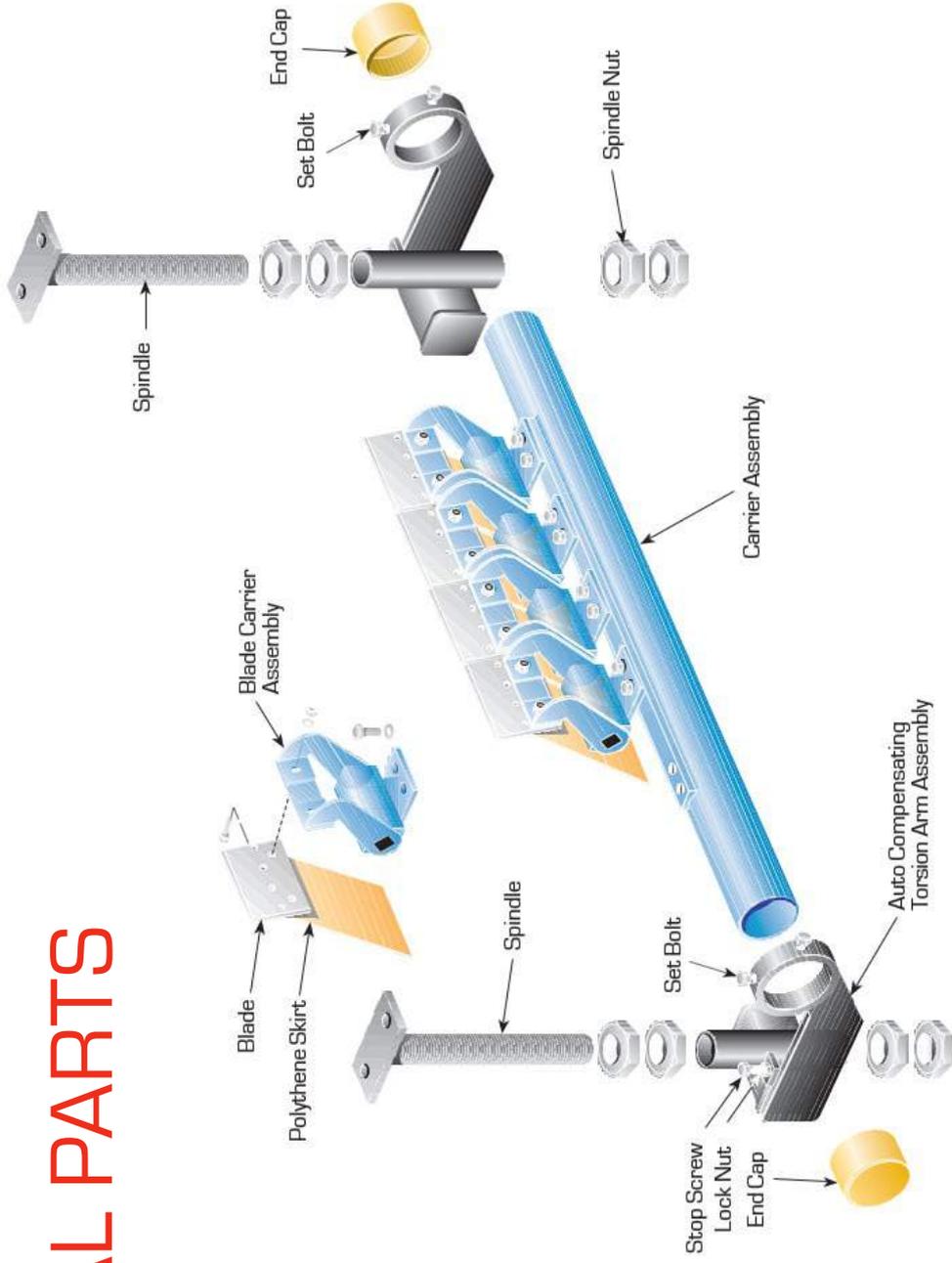
INCLINED BELT



Secondary Units are installed on the under side of the belt, recommended 100mm from the 'nip point'.

Installation and maintenance guides available upon request.

PRINCIPAL PARTS



SPECIFICATIONS

Scrapers specifications can be altered to suit client's requirements.

E2000 SPECIFICATIONS

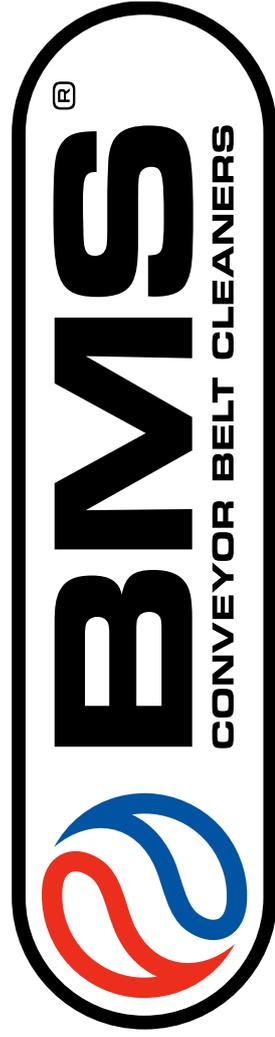
Belt Width (mm)	Scraper Width (mm)	Number of Blades Qty	Carrier Length (mm)	Shaft Diameter (mm)	Spindle Type (mm)	Adjustment
650	602	5	2000	ø60	M42 x 400	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
700	602	5				
750	722	6	2500	ø76	M42 x 400	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
800	722	6				
900	843	7	3000	ø101	M42 x 400	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
1000	964	8				
1200	1084	9	2500	ø76	M42 x 400	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
1350	1326	11				
1400	1326	11	3000	ø101	M42 x 400	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
1500	1446	12				
1600	1560	13	2100 + information available upon request	ø101	M42 x 400	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
1800	1687	14				
2000	1928	16	2100 + information available upon request	ø101	M42 x 400	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
2100	2047	17				

E2500 SPECIFICATIONS

Belt Width (mm)	Scraper Width (mm)	Number of Blades Qty	Carrier Length (mm)	Shaft Diameter (mm)	Spindle Type (mm)	Adjustment
300	241	2	1500	ø48	M30 x 315	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
400	361	3				
450	361	3	1800	ø48	M30 x 315	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
500	482	4				
600	482	4	1800	ø48	M30 x 315	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
650	602	5				
700	602	5	1800	ø48	M30 x 315	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
750	722	6				
800	722	6	1800	ø48	M30 x 315	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
900	843	7				

Efficient Solutions, Reliable Performance





TECHNICAL CONTENT

BMS V-PLOUGH SCRAPER

THE E4000 V-Plough

BMS V-Ploughs are designed in a robust V Shape, accompanied with BMS polyurethane blades to direct rouge material away from the head drum, protecting the conveyor belt, tail drum and take-up pulleys.

Key Features Include:

- Suitable for all material applications and industries.
- BMS V Plough prevents rogue material from entering the drum
- Protects conveyor belt, tail drum and take-up pulleys
- Eliminates side belt damage and improves belt tracking
- Suitable from reversible operation due to self adjusting torsion mount.
- Minimum maintenance
- Ensures removal of material adhering to returns strand



E4000

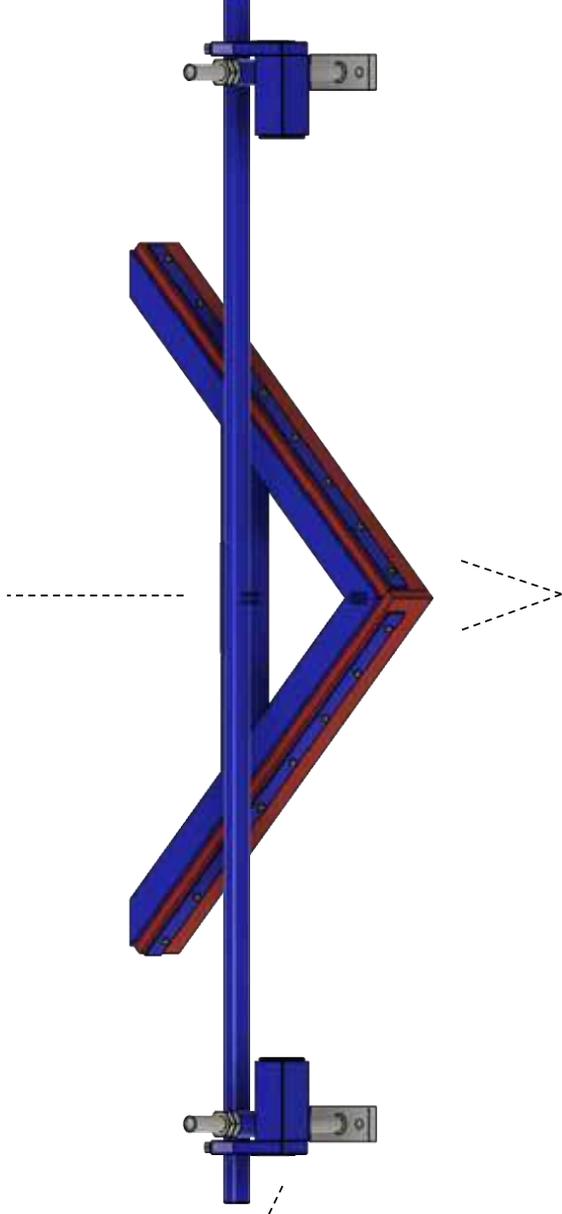
Belt Speeds - Up to 6m/s
Belt Width - From 450 - 2400+mm



BMS DESIGN

V Shape Mainframe

The V shape directs rough material off the belt and away from the drum



Torsion Mounts

Self adjusting torsion mounts ensure constant pressure onto the belt.

Features of all BMS Products

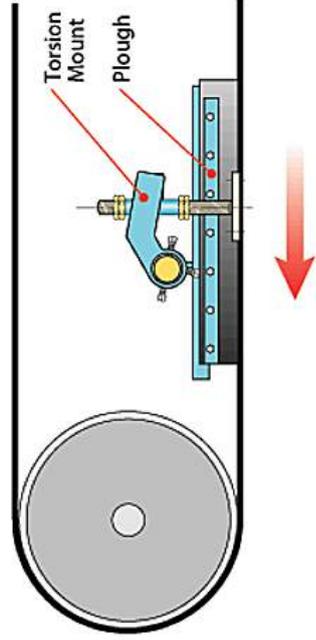
All painted components undergo a shot blasting procedure and a polyurethane paint finish, making BMS scrapers more hard-wearing and highly resistant to abrasion.

All BMS scrapers are manufactured using high quality British Steel and all other components are of UK origin.

Blades

Polyurethane blades allow direct contact with the belt.

TYPICAL INSTALLATION



Typical Installation

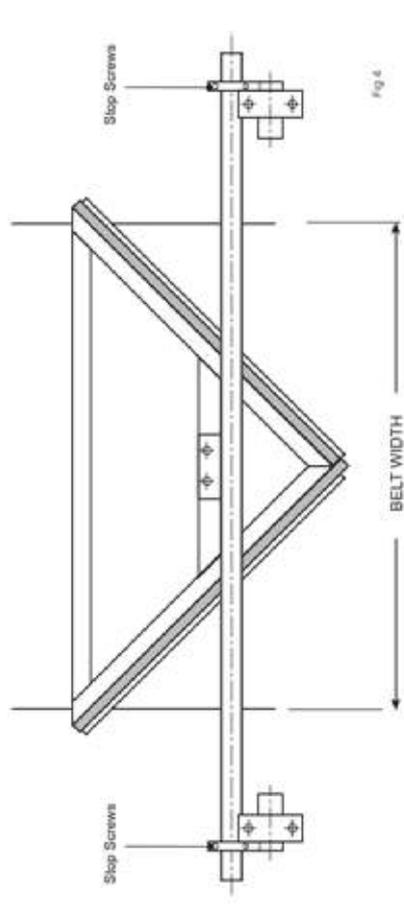
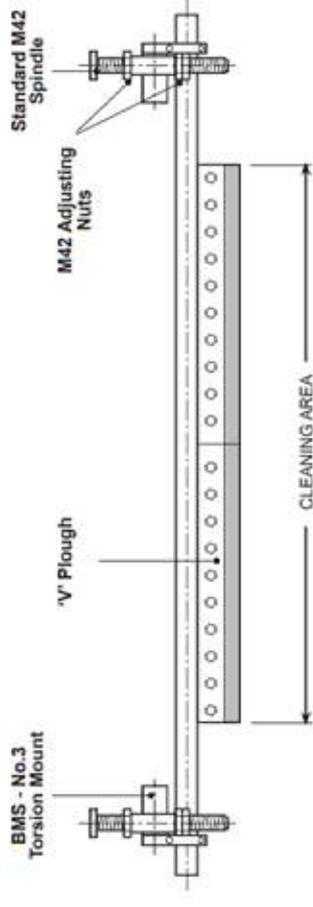


Fig 4





TECHNICAL CONTENT

BMS SEAL SKIRT CHUTE SEALING SYSTEM

SEAL SKIRT

Natural excursion rubber, designed to prevent dust and material release from conveyor chutes.

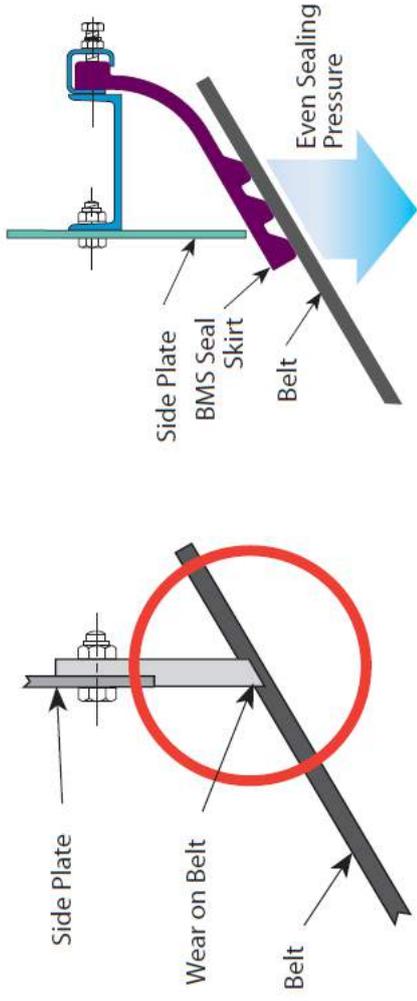
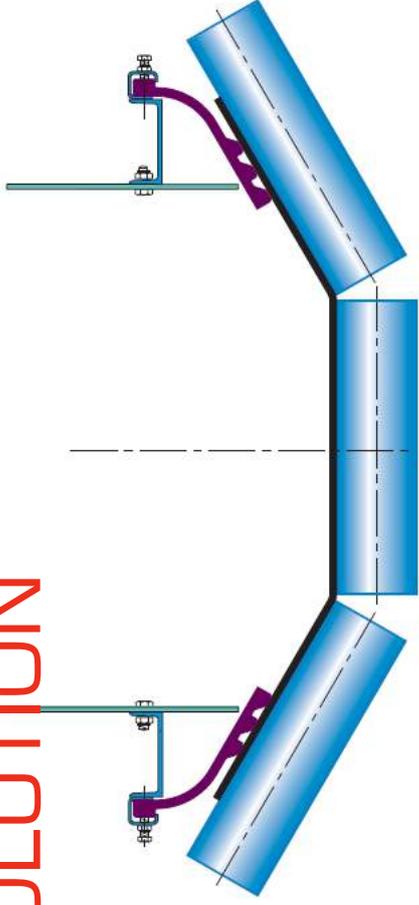


Seal Skirt Advantages

- Provides effective chute sealing, controlling spillage at conveyor load areas
- Long life natural excursion rubber
- Suitable for all belt conveyor widths, carrying all types of material
- Simple installation and quick skirt rubber replacement
- Self cleaning grooves trap spillage, allowing it to be carried away by the belt
- Low contact area reduces wear
- Retains seal to accommodate belt movement



PROBLEM / SOLUTION



PROBLEM

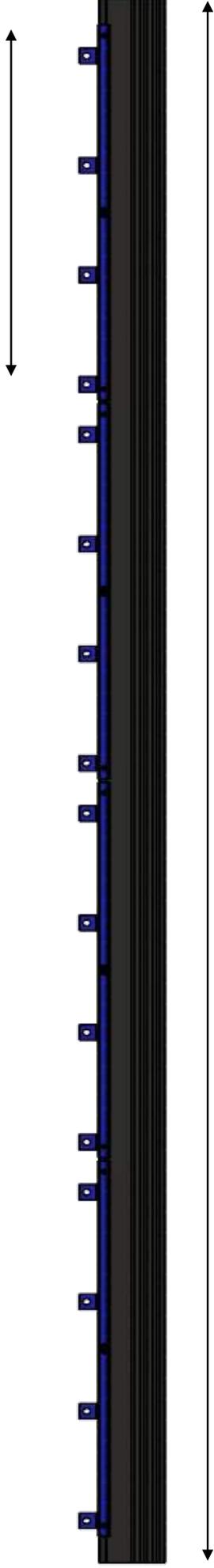
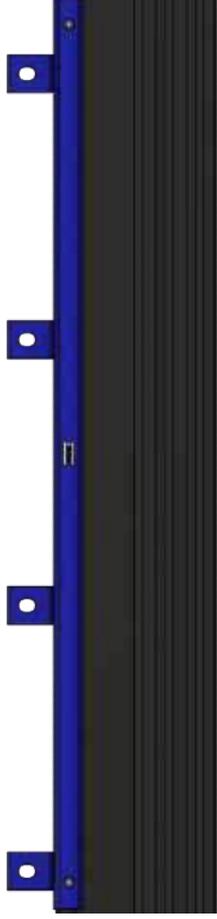
SOLUTION



COMPONENTS

ALL parts sourced and manufactured within the UK.

1.2m of Individual Seal Skirt Track with
fabricated lugs and a polyurethan paint finish



5m Length of Natural Excursion Rubber



RANGE

No.1 Seal Skirt

Belt widths up to
900mm (36")



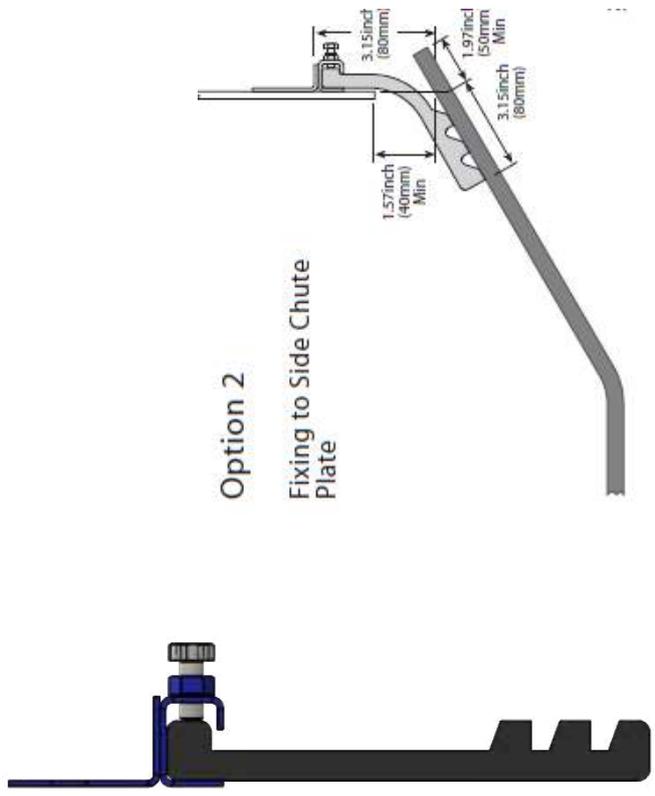
No.2 Seal Skirt

Belt widths between
1000mm (42") and 1600mm (60")

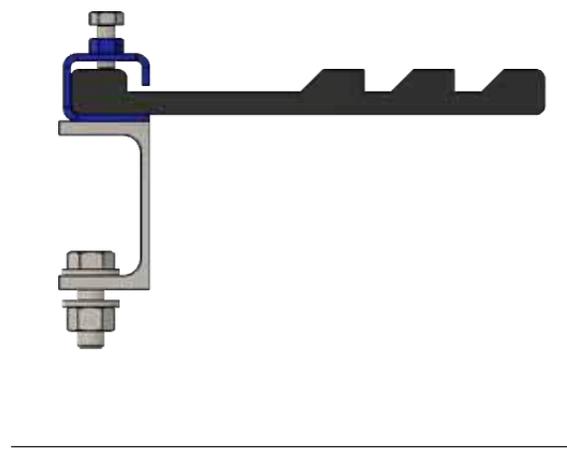


MOUNTING OPTIONS

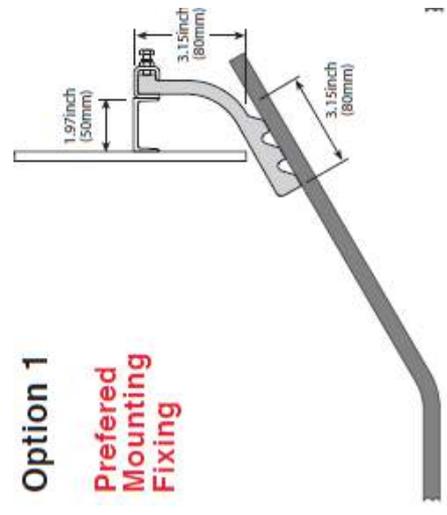
Directly onto the side Chute



Positioned away from the Chute



Option 1 Preferred Mounting Fixing



INSTALLATION



USE

Clear markings
shown from the Seal
Skirt

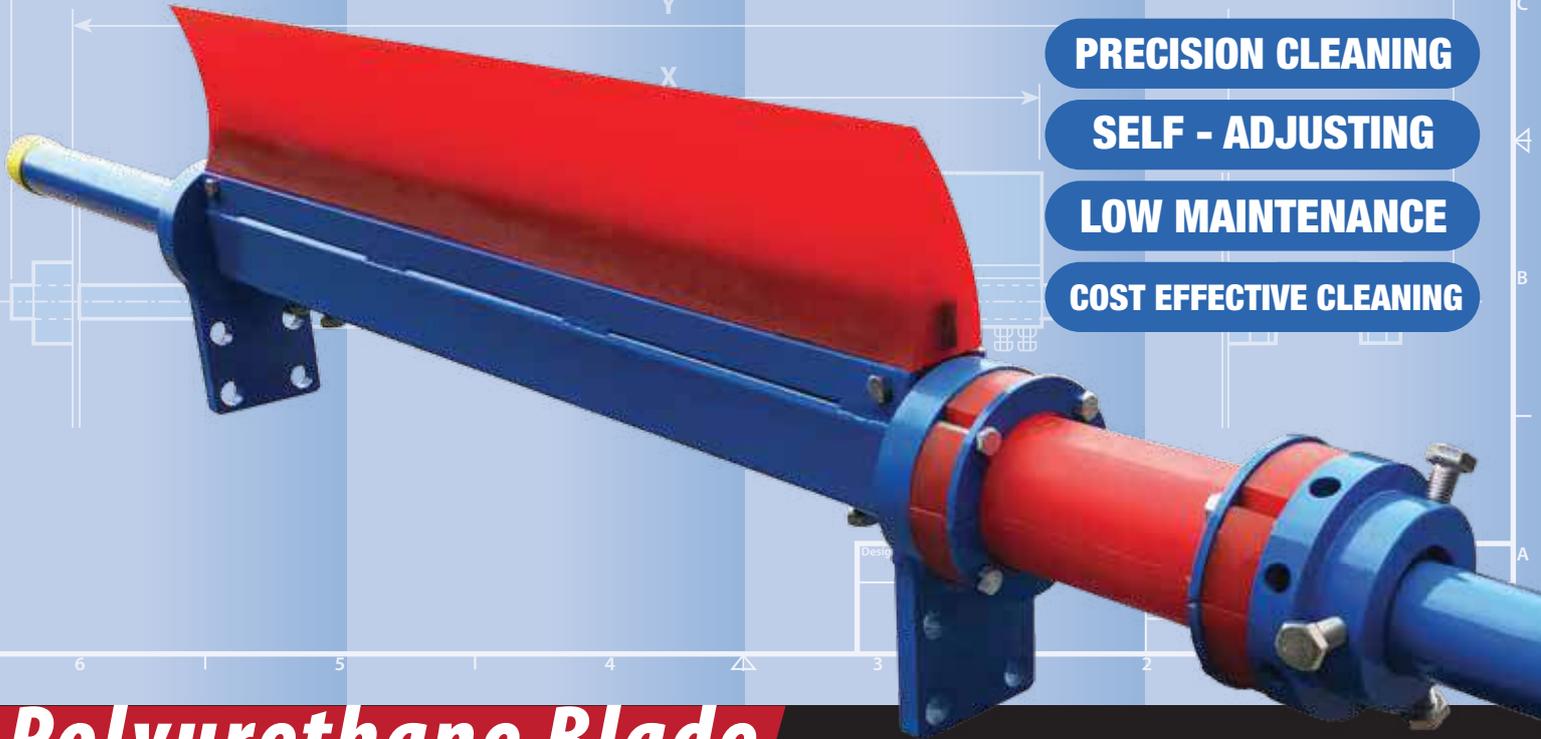
Keeping the material
within the center of
the belt and
preventing material
spillage



E2400



PRIMARY SCRAPER



PRECISION CLEANING

SELF - ADJUSTING

LOW MAINTENANCE

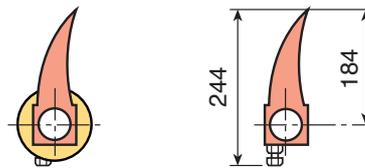
COST EFFECTIVE CLEANING

Polyurethane Blade

Features:

- Provides precise cleaning due to the blade conforming exactly to the head drum/belt
- Protects the secondary cleaner from being over loaded by excessive material, thus increasing its effectiveness
- Suitable for all material applications in all industries
- Fast blade change
- Its location is in the tangential position, making servicing easier and faster thus reducing down time

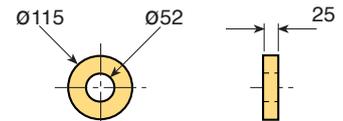
Scraper Blade



Scraper Blade Assembly

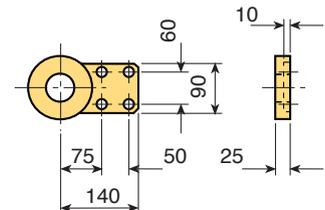
Scraper Blade

Standard Collar Fixing

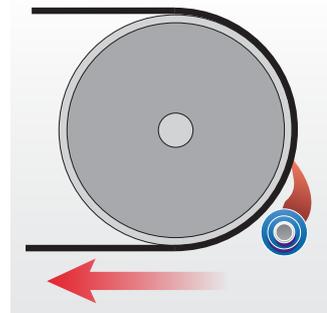


- Standard Version Collar Fixing (1 off collars to be welded to both sides of chute side plates)

Optional Bracket Fixing



- Optional Extra (not included) (2 off - 4 hole bracket fixing)

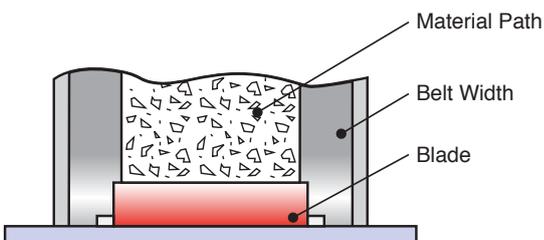
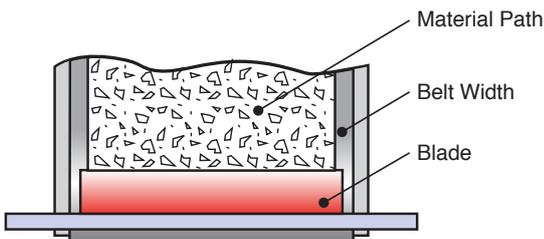
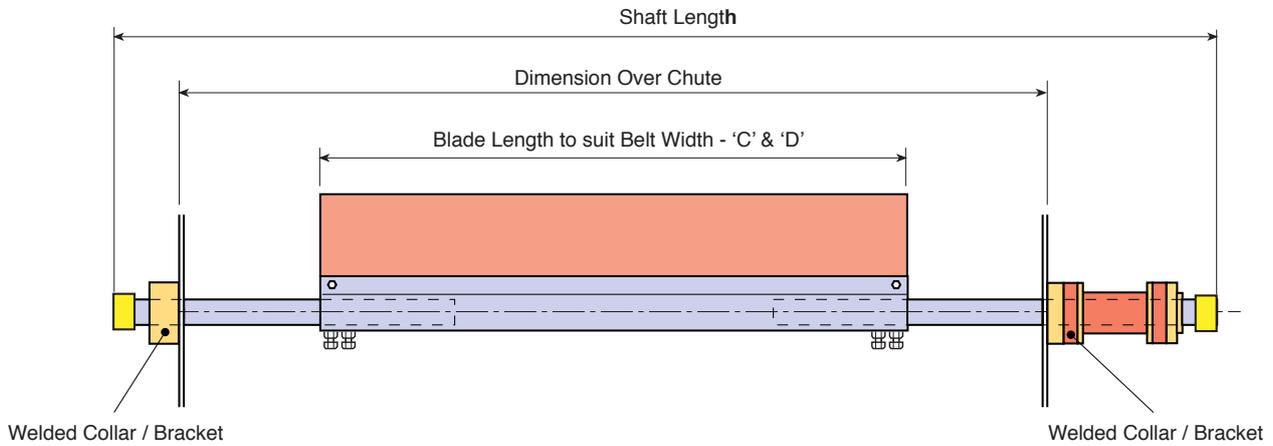


Primary Scraper Position

P.O. Box 19, Richmond, North Yorkshire, England DL10 5YX
Telephone: +44 (0) 1325 483 916 • Fax: +44 (0) 1325 483 746
E.mail: sales@bms-cleaners.com

BMS OVERSEAS LIMITED
BMS CONVEYOR BELT CLEANERS LIMITED

Technical Specification



Belt Width (mm)	'C' (mm)	'D' (mm)	Shaft Length (mm)
450	400	350	1950
600	550	500	2100
650	600	550	2150
700	650	600	2200
750	700	650	2250
800	750	700	2300
900	850	800	2400
1000	950	900	2500
1200	1100	1000	2700
1350	1250	1150	2850
1500	1400	1300	3000
1650	1550	1450	3150
1800	1700	1600	3300
2000	1900	1800	3500
2200	2100	2000	3700
2400	2300	2200	3900

BMS continuously modify and improve its product range, therefore, information given in this leaflet may be subject to change without prior notice.



P.O. Box 19
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DL10 5YX

Telephone: +44 (0) 1325 483 916

Fax: +44 (0) 1325 483 746

E.mail: sales@bms-cleaners.com

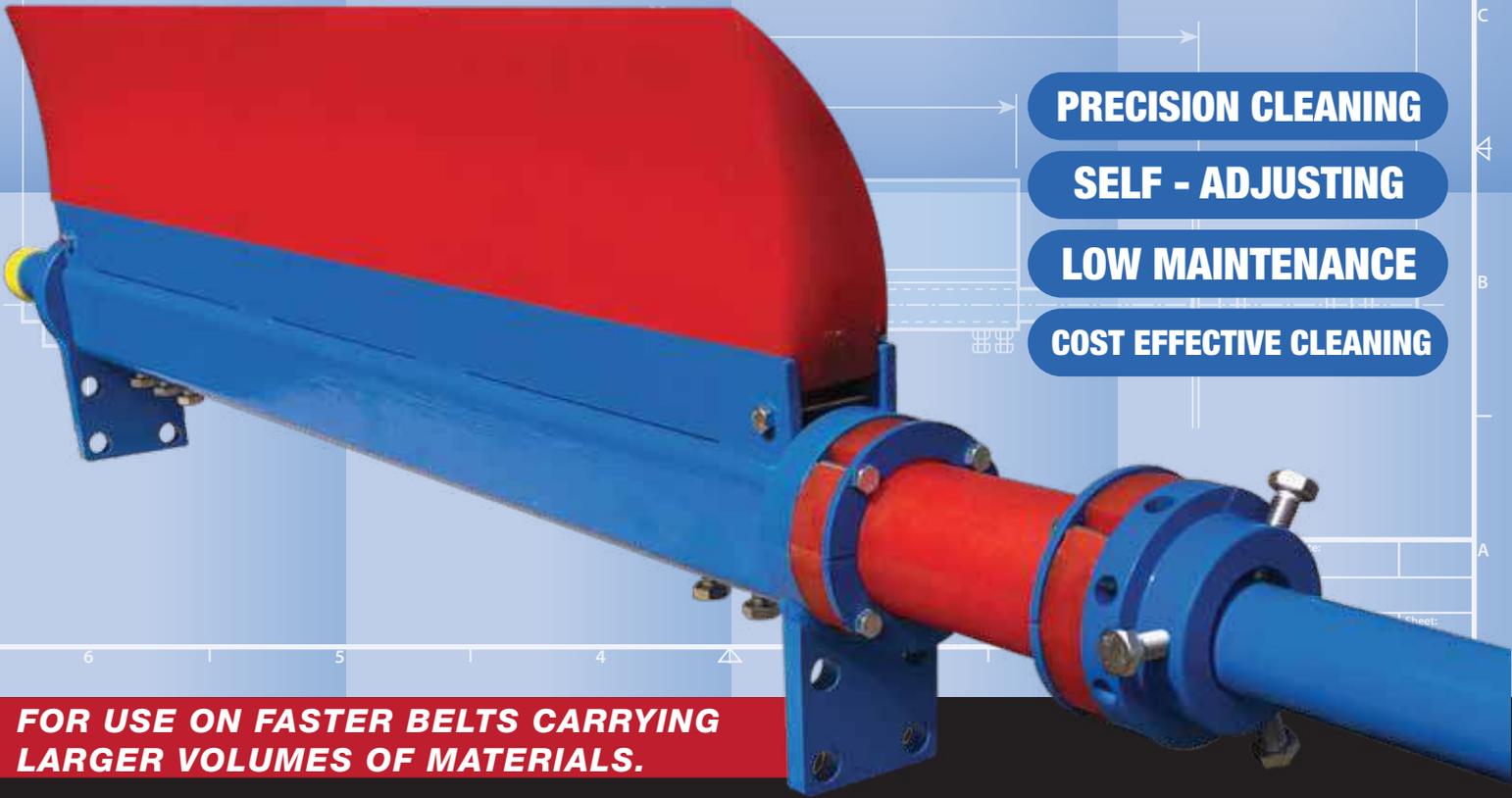
BMS OVERSEAS LIMITED
BMS CONVEYOR BELT CLEANERS

Distributor

E2400 HD



PRIMARY HEAVY DUTY SCRAPER



PRECISION CLEANING

SELF - ADJUSTING

LOW MAINTENANCE

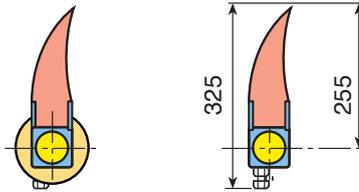
COST EFFECTIVE CLEANING

FOR USE ON FASTER BELTS CARRYING LARGER VOLUMES OF MATERIALS.

Features:

-  Provides precise cleaning due to the blade conforming exactly to the head drum/belt
-  Protects the secondary cleaner from being over loaded by excessive material, thus increasing its effectiveness
-  Suitable for all material applications in all industries
-  Fast blade change
-  Its location is in the tangential position, making servicing easier and faster thus reducing down time

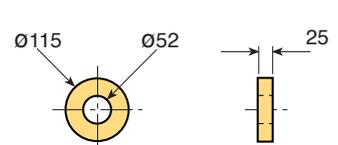
Scraper Blade



Scraper Blade Assembly

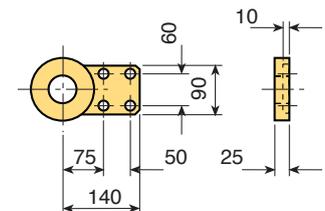
Scraper Blade

Standard Collar Fixing

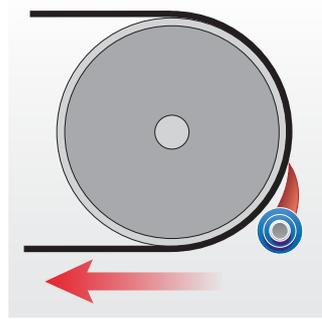


-  **Standard Version Collar Fixing**
(1 off collars to be welded to both sides of chute side plates)

Optional Bracket Fixing

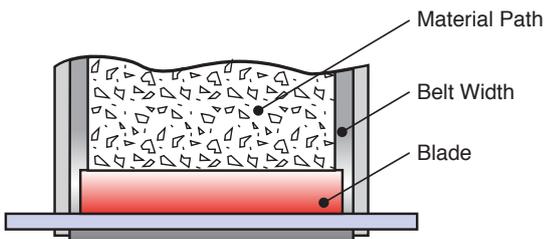
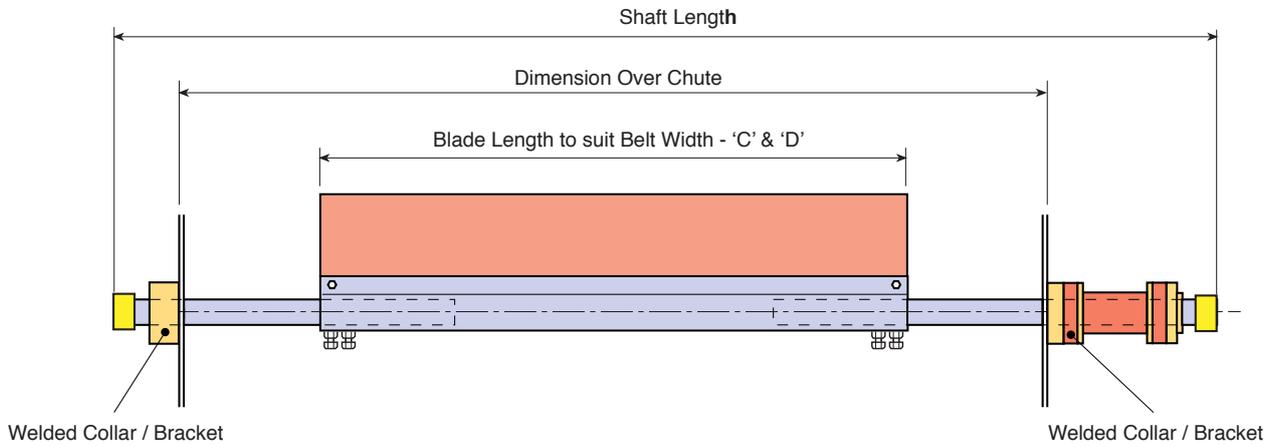


-  **Optional Extra**
(not included)
(2 off - 4 hole bracket fixing)

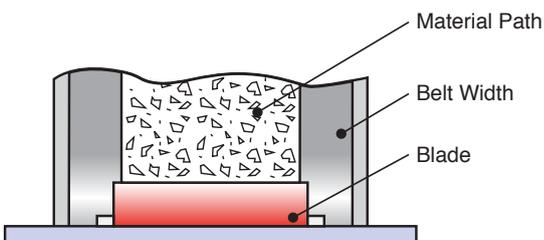


Primary Scraper Position

Technical Specification



Blade to match belt width - 'C'



Blade to match material width - 'D'

Belt Width (mm)	'C' (mm)	'D' (mm)	Shaft Length (mm)
450	400	350	1950
600	550	500	2100
650	600	550	2150
700	650	600	2200
750	700	650	2250
800	750	700	2300
900	850	800	2400
1000	950	900	2500
1200	1100	1000	2700
1350	1250	1150	2850
1500	1400	1300	3000
1650	1550	1450	3150
1800	1700	1600	3300
2000	1900	1800	3500
2200	2100	2000	3700
2400	2300	2200	3900

BMS continuously modify and improve its product range, therefore, information given in this leaflet may be subject to change without prior notice.



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BMS OVERSEAS LIMITED
BMS CONVEYOR BELT CLEANERS

Distributor

E2401 HD



PRIMARY TUNGSTEN TIP SCRAPER



PRECISION CLEANING

SELF - ADJUSTING

LOW MAINTENANCE

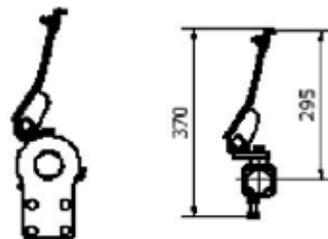
COST EFFECTIVE CLEANING

FOR CLEANING ON THE HEAD DRUM: IDEAL FOR FINE, STICKY AND WET MATERIALS E.G. CLAY ETC.

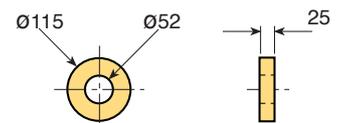
Features:

-  Fast blade change, only remove and replace Tungsten Tips when worn
-  Provides precise cleaning due to the blade conforming exactly to the head drum/belt
-  Protects the secondary cleaner from being over loaded by excessive material, thus increasing its effectiveness
-  Suitable for all material applications in all industries
-  Its location is in the tangential position, making servicing easier and faster thus reducing down time

Scraper Assembly

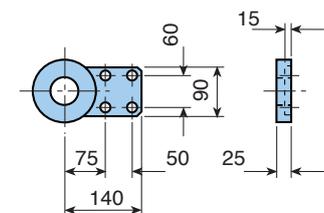


Standard Collar Fixing

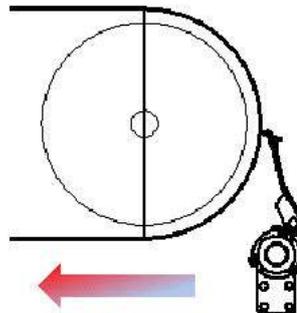


-  Standard Version Collar Fixing (1 off collars to be welded to both sides of chute side plates)

Bracket Fixing



-  Includes: 2 off - 4 hole bracket fixing

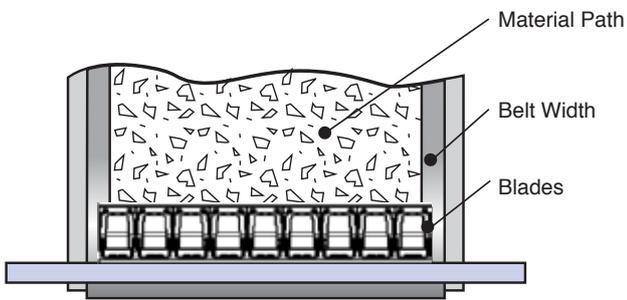
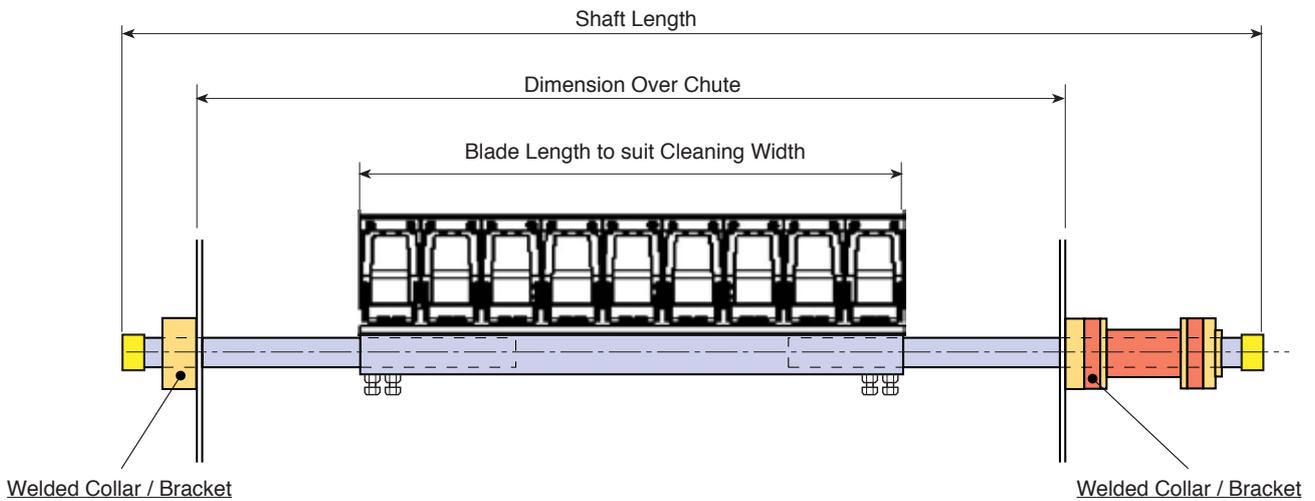


Primary Scraper Position

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BMS CONVEYOR BELT CLEANERS



Technical Specification



Blade to match belt width

Belt Width (mm)	Cleaning Width (mm)	Number of Blades per Scraper	Shaft Length (mm)
450	360	3	1950
600	480	4	2100
650	600	5	2150
700	600	5	2200
750	720	6	2250
800	720	6	2300
900	840	7	2400
1000	960	8	2500
1200	1080	9	2700
1350	1320	11	2850
1500	1440	12	3000
1650	1500	13	3150
1800	1680	14	3300
2000	1920	16	3500
2200	2160	18	3700
2400	2280	19	3900

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BMS OVERSEAS LIMITED
BMS CONVEYOR BELT CLEANERS



Distributor

E2101



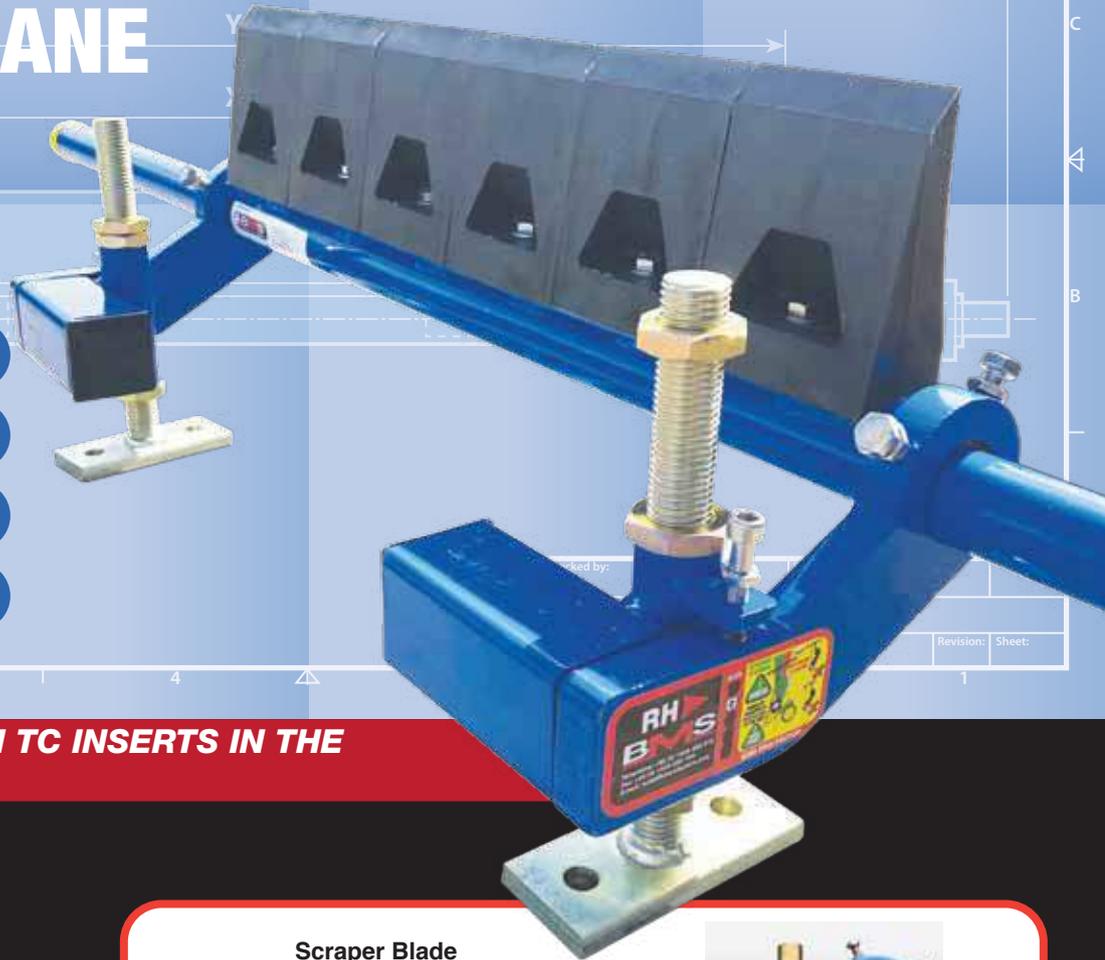
SECONDARY SCRAPER WITH INDIVIDUAL POLYURETHANE BLADES

PRECISION CLEANING

SELF - ADJUSTING

LOW MAINTENANCE

COST EFFECTIVE CLEANING

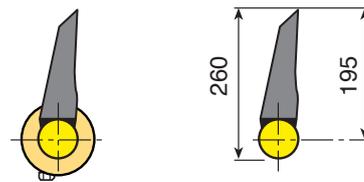


OPTION AVAILABLE WITH TC INSERTS IN THE POLYURETHANE BLADE

Features:

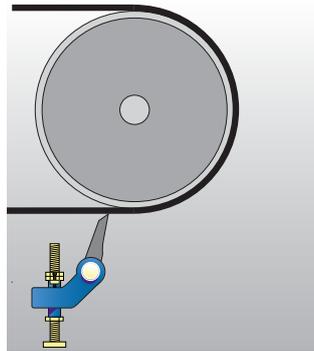
- High grade polyurethane blades
- Recommended for corrosive materials and wet sand
- Suitable for use on clipped joints
- Manual or self-adjusting
- Effective belt cleaning
- Low cost of ownership

Scraper Blade



Scraper Blade Assembly

Scraper Blade



Scraper Position



Torsion Mount:
Self Adjusting

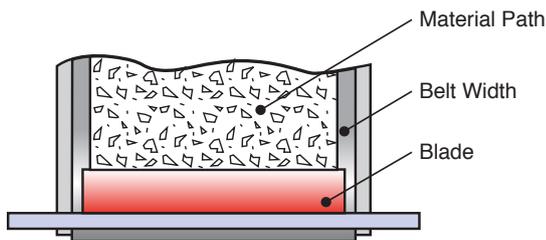
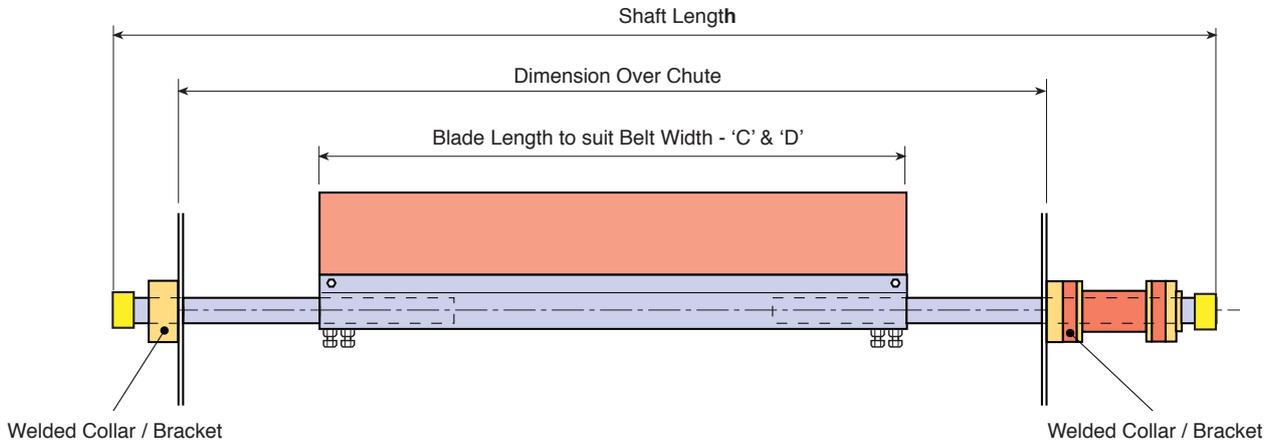


Fixed Lug:
Manual Adjustment

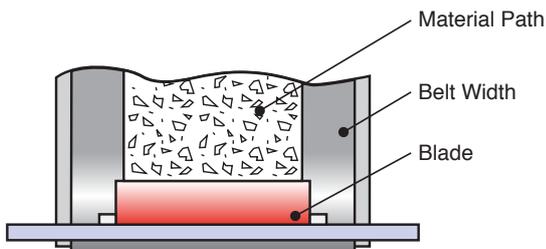


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Technical Specification



Blade to match belt width - 'C'



Blade to match material width - 'D'

Belt Width (mm)	'C' (mm)	'D' (mm)	Shaft Length (mm)
450	400	350	1950
600	550	500	2100
650	600	550	2150
700	650	600	2200
750	700	650	2250
800	750	700	2300
900	850	800	2400
1000	950	900	2500
1200	1100	1000	2700
1350	1250	1150	2850
1500	1400	1300	3000
1650	1550	1450	3150
1800	1700	1600	3300
2000	1900	1800	3500
2200	2100	2000	3700
2400	2300	2200	3900

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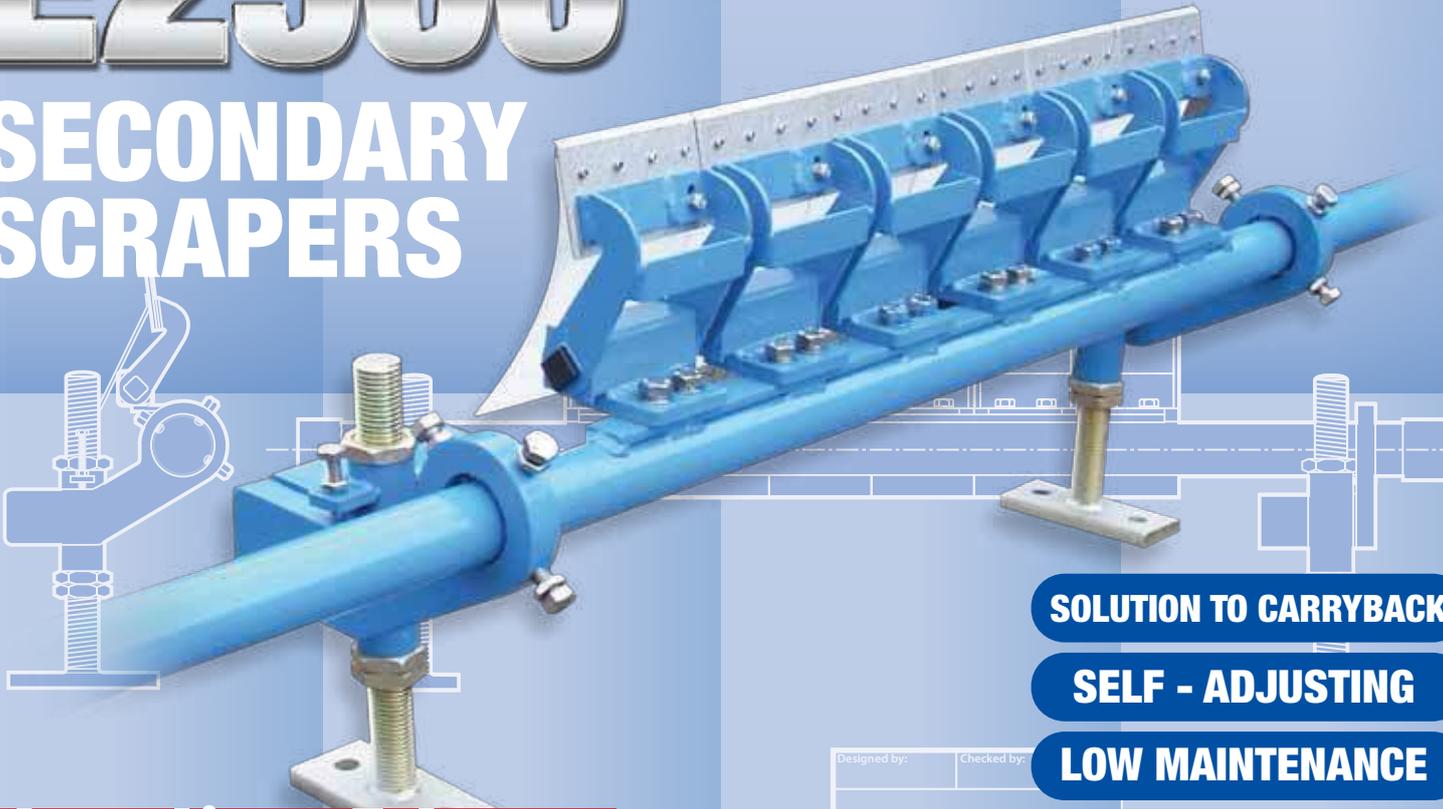
BMS OVERSEAS LIMITED
BMS CONVEYOR BELT CLEANERS

Distributor

E2500



SECONDARY SCRAPERS



SOLUTION TO CARRYBACK

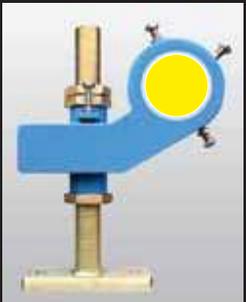
SELF - ADJUSTING

LOW MAINTENANCE

COST EFFECTIVE CLEANING

Leading Edge

Mounting Options



Torsion Mount:
Self Adjusting



Fixed Lug:
Manual Adjustment

Features:

- Range of blades - Tungsten Carbide, etc.
- Suitable for all belt widths and speeds
- Extended belt life
- Low blade pressure
- Blade deflects (fasteners)
- Manual or Self adjusting
- Effective belt cleaning
- Low cost of ownership

BMS

Principles of Cleaning:

BMS, 'leading edge principle' inclines the blades at an angle towards the direction of the belt

Leading Edge
CONTINUOUS CLEANING EFFICIENCY

COMPETITOR

Perpendicular / Trailing Blade
INEFFICIENT CLEANING

Blade Deflection (Fasteners)

Blade at an angle towards the direction of belt travel

Low Blade Pressure

Blade deflects to avoid obstructions



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BMS CONVEYOR BELT CLEANERS

E2200 Scraper Specification

Belt Width	Scraper Width	Number of Blades	Carrier Length	Diameter	Spindle Type	Adjustment
(mm)	(mm)	Qty	(mm)	(mm)	(mm)	
300	300	3	900	Ø42	M25 x 212	Fixed Lug, Alternative Torsion Mount
450/500	400	4				
650	600	6				
750/800	700	7				
900	800	8				

E2500 Scraper Specification

Belt Width	Scraper Width	Number of Blades	Carrier Length	Shaft Diameter	Type (mm)	Adjustment
(mm)	(mm)	Qty	(mm)	(mm)		
300	241	2	1500	Ø48	M30 x 315	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
400	361	3				
450	361	3				
500	482	4				
600	482	4				
650	602	5	1800	Spindle		
700	602	5				
750	722	6				
800	722	6				
900	843	7				

E2000 Scraper Specification

Belt Width	Scraper Width	Number of Blades	Carrier Length	Shaft Diameter	Type (mm)	Adjustment
(mm)	(mm)	Qty	(mm)	(mm)	(mm)	
650	602	5	2000	Ø60	M42 x 400	Standard option: FIXED LUG (manual adjustment) Preferred option: TORSION MOUNT (automatic adjustment)
700	602	5				
750	722	6				
800	722	6				
900	843	7				
1000	964	8	2500	Ø76		
1200	1084	9				
1350	1326	11				
1400	1326	11				
1500	1446	12				
1600	1560	13	3000	Ø101		
1800	1687	14				
2000	1928	16				
2000 & above on request						

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BMS CONVEYOR BELT CLEANERS

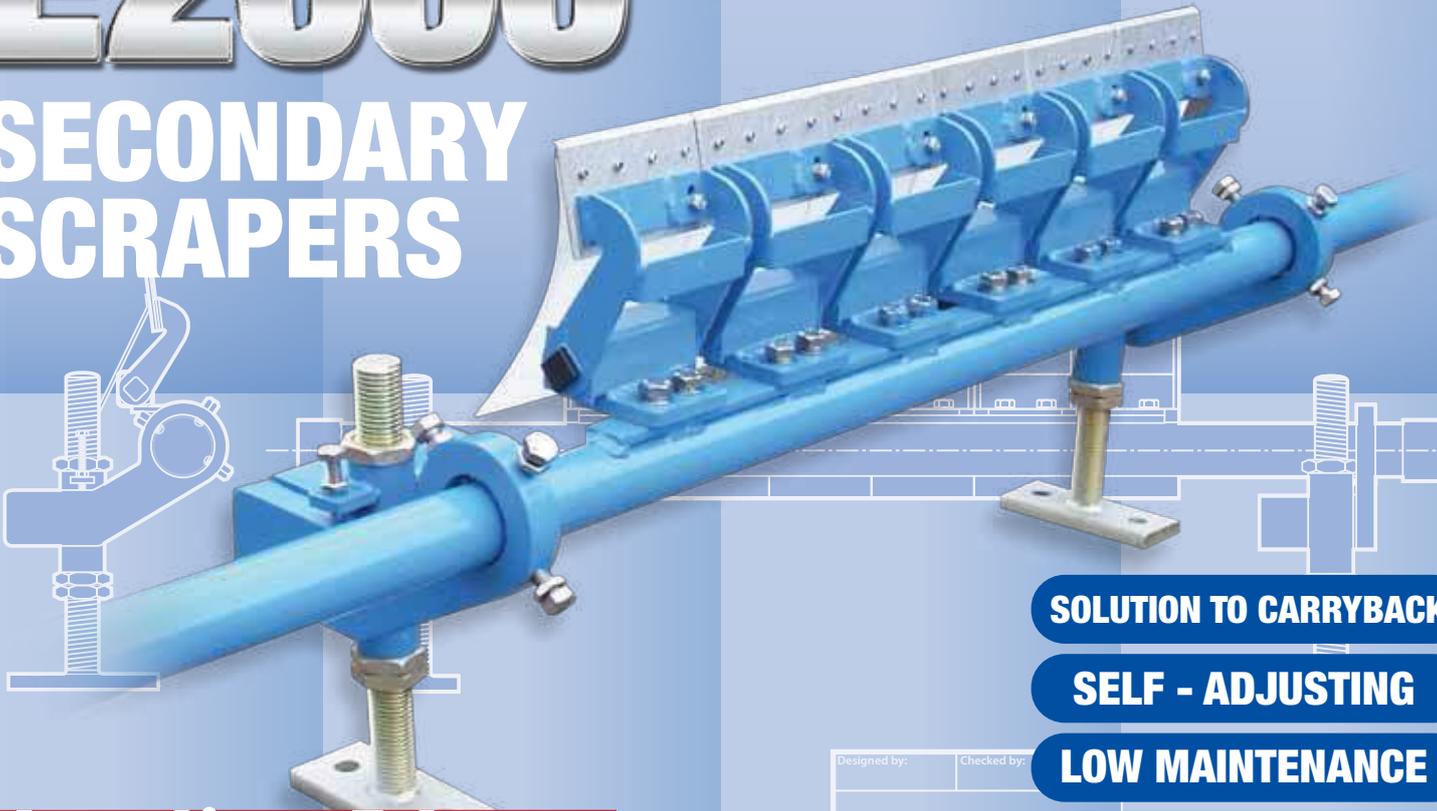


Distributor

E2000



SECONDARY SCRAPERS



SOLUTION TO CARRYBACK

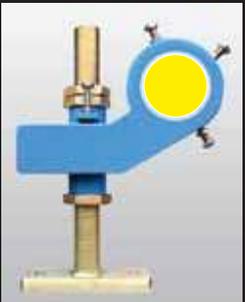
SELF - ADJUSTING

LOW MAINTENANCE

COST EFFECTIVE CLEANING

Leading Edge

Mounting Options



Torsion Mount:
Self Adjusting



Fixed Lug:
Manual Adjustment

Features:

- Range of blades - Tungsten Carbide, etc.
- Suitable for all belt widths and speeds
- Extended belt life
- Low blade pressure
- Blade deflects (fasteners)
- Manual or Self adjusting
- Effective belt cleaning
- Low cost of ownership

BMS

Principles of Cleaning:

BMS, 'leading edge principle' inclines the blades at an angle towards the direction of the belt

Leading Edge
CONTINUOUS CLEANING EFFICIENCY

COMPETITOR

Perpendicular / Trailing Blade
INEFFICIENT CLEANING

Belt Travel Direction

Belt Fastener or Obstruction

Blade deflects away from the belt surface allowing the obstruction to pass

Blade Deflection (Fasteners)

Belt Travel Direction

Blade at an angle towards the direction of belt travel

Low Blade Pressure

Blade deflects to avoid obstructions



E2200 Scraper Specification

Belt Width	Scraper Width	Number of Blades	Carrier Length	Diameter	Spindle Type	Adjustment
(mm)	(mm)	Qty	(mm)	(mm)	(mm)	
300	300	3	900	Ø42	M25 x 212	Fixed Lug, Alternative Torsion Mount
450/500	400	4				
650	600	6	1400			
750/800	700	7	1500			
900	800	8	1700			

E2500 Scraper Specification

Belt Width	Scraper Width	Number of Blades	Carrier Length	Shaft Diameter	Type (mm)	Adjustment
(mm)	(mm)	Qty	(mm)	(mm)		
300	241	2	1500	Ø48	M30 x 315	Standard option: FIXED LUG (manual adjustment) Prefered option: TORSION MOUNT (automatic adjustment)
400	361	3				
450	361	3				
500	482	4				
600	482	4				
650	602	5	1800	Spindle		
700	602	5				
750	722	6				
800	722	6				
900	843	7				

E2000 Scraper Specification

Belt Width	Scraper Width	Number of Blades	Carrier Length	Shaft Diameter	Spindle Type	Adjustment
(mm)	(mm)	Qty	(mm)	(mm)	(mm)	
650	602	5	2000	Ø60	M42 x 400	Standard option: FIXED LUG (manual adjustment) Prefered option: TORSION MOUNT (automatic adjustment)
700	602	5				
750	722	6				
800	722	6				
900	843	7				
1000	964	8	2500	Ø76		
1200	1084	9				
1350	1326	11				
1400	1326	11				
1500	1446	12				
1600	1560	13	3000	Ø101		
1800	1687	14				
2000	1928	16				
2000 & above on request						

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BMS CONVEYOR BELT CLEANERS



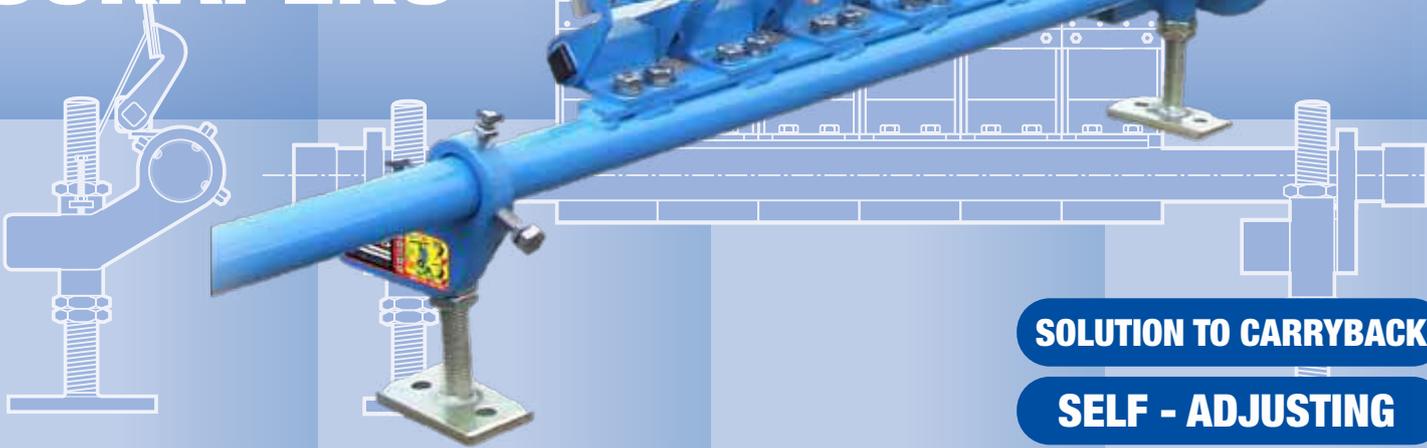
Certificate No. 6869

Distributor

E2200



SECONDARY SCRAPERS



SOLUTION TO CARRYBACK

SELF - ADJUSTING

LOW MAINTENANCE

COST EFFECTIVE CLEANING

Designed by: _____
Checked by: _____

Leading Edge

Mounting Options



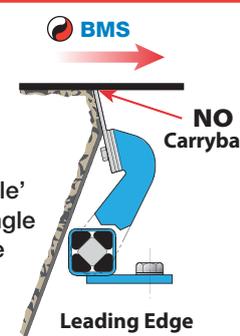
Torsion Mount:
Self Adjusting



Fixed Lug:
Manual Adjustment

Features:

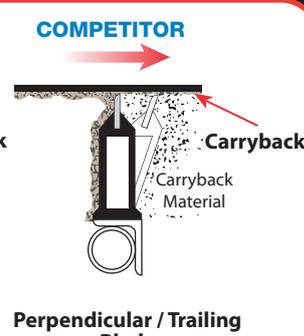
-  Range of blades - Tungsten Carbide, etc.
-  Suitable for all belt widths and speeds
-  Extended belt life
-  Low blade pressure
-  Blade deflects (fasteners)
-  Manual or Self adjusting
-  Effective belt cleaning
-  Low cost of ownership



BMS

NO Carryback

Leading Edge
CONTINUOUS CLEANING EFFICIENCY



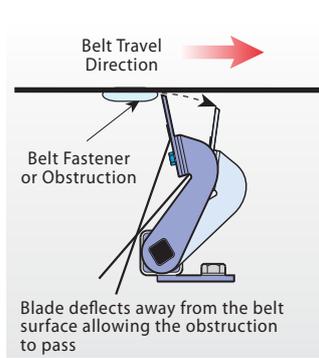
COMPETITOR

Carryback
Carryback Material

Perpendicular / Trailing Blade
INEFFICIENT CLEANING

Principles of Cleaning:

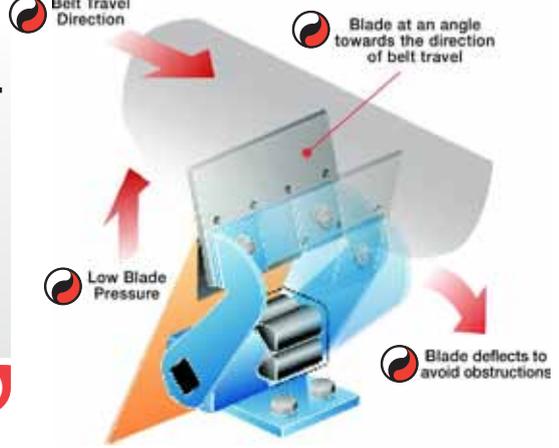
BMS, 'leading edge principle' inclines the blades at an angle towards the direction of the belt



Belt Travel Direction →

Belt Fastener or Obstruction

Blade deflects away from the belt surface allowing the obstruction to pass



Belt Travel Direction →

Blade at an angle towards the direction of belt travel

Low Blade Pressure

Blade deflects to avoid obstructions

Blade Deflection (Fasteners)



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BMS CONVEYOR BELT CLEANERS

E2200 Scraper Specification

Belt Width	Scraper Width	Number of Blades	Carrier Length	Diameter	Spindle Type	Adjustment
(mm)	(mm)	Qty	(mm)	(mm)	(mm)	
300	300	3	900	Ø42	M25 x 212	Fixed Lug, Alternative Torsion Mount
450/500	400	4				
650	600	6	1400			
750/800	700	7	1500			
900	800	8	1700			

E2500 Scraper Specification

Belt Width	Scraper Width	Number of Blades	Carrier Length	Shaft Diameter	Type (mm)	Adjustment
(mm)	(mm)	Qty	(mm)	(mm)		
300	241	2	1500	Ø48	M30 x 315	Standard option: FIXED LUG (manual adjustment) Prefered option: TORSION MOUNT (automatic adjustment)
400	361	3				
450	361	3				
500	482	4				
600	482	4				
650	602	5	1800			
700	602	5				
750	722	6				
800	722	6				
900	843	7				

E2000 Scraper Specification

Belt Width	Scraper Width	Number of Blades	Carrier Length	Shaft Diameter	Type (mm)	Adjustment
(mm)	(mm)	Qty	(mm)	(mm)	(mm)	
650	602	5	2000	Ø60	M42 x 400	Standard option: FIXED LUG (manual adjustment) Prefered option: TORSION MOUNT (automatic adjustment)
700	602	5				
750	722	6				
800	722	6				
900	843	7				
1000	964	8	2500	Ø76		
1200	1084	9				
1350	1326	11				
1400	1326	11				
1500	1446	12				
1600	1560	13	3000	Ø101		
1800	1687	14				
2000	1928	16				
2000 & above on request						

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BMS OVERSEAS LIMITED
BMS CONVEYOR BELT CLEANERS



Certificate No. 6869

Distributor

E4000

PLOUGHS



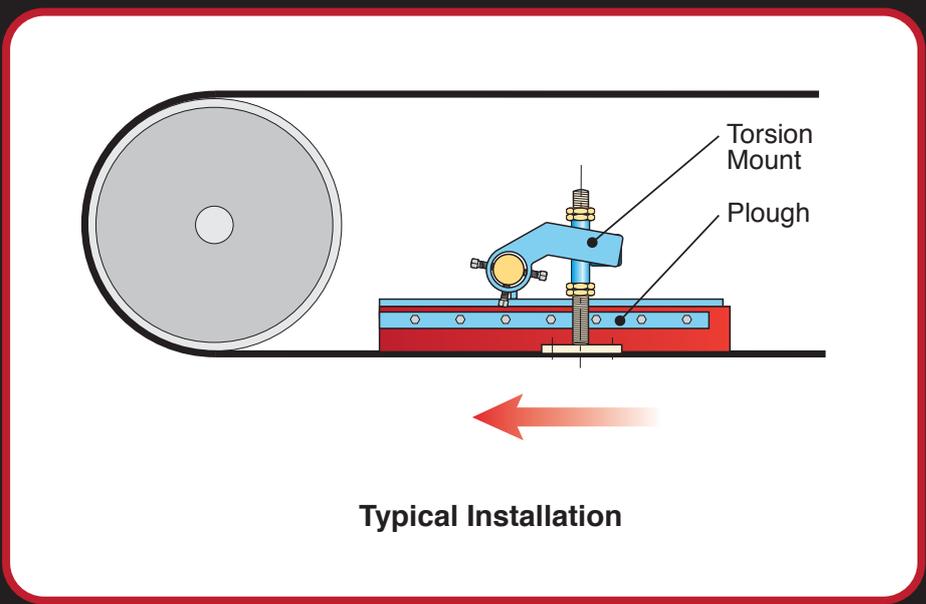
- PRECISION CLEANING
- SELF - ADJUSTING
- LOW MAINTENANCE
- COST EFFECTIVE CLEANING

Designed by: _____
Checked by: _____

Polyurethane Blade

Features:

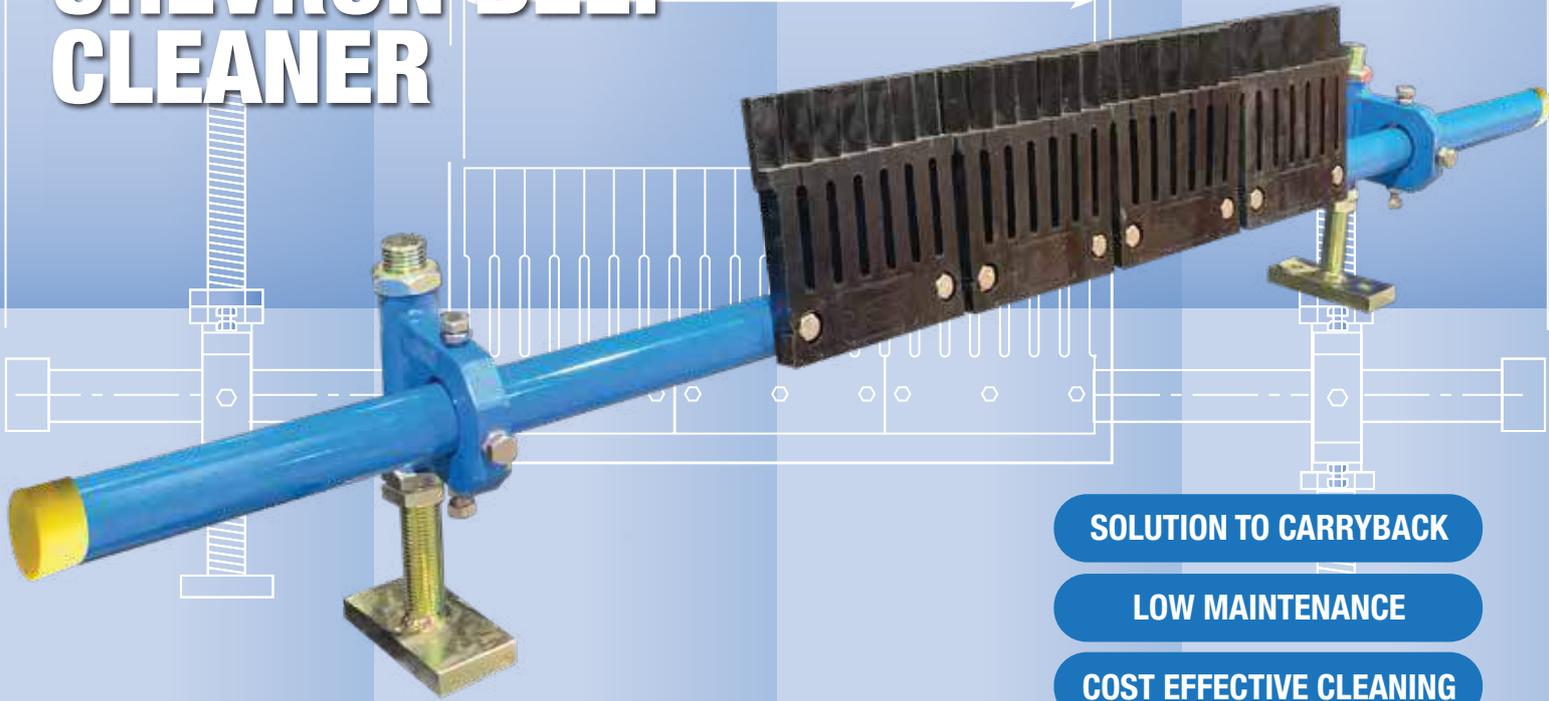
- Prevents rogue material from entering drum
- Protects belt, tail drum and take-up pulleys
- Eliminates side belt damage
- Improves belt tracking
- Suitable for reversible operation
- Ease of installation
- Minimum maintenance
- Ensures removal of material adhering to returns stand



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BMS OVERSEAS LIMITED
BMS CONVEYOR BELT CLEANERS

E5000

CHEVRON BELT CLEANER



SOLUTION TO CARRYBACK

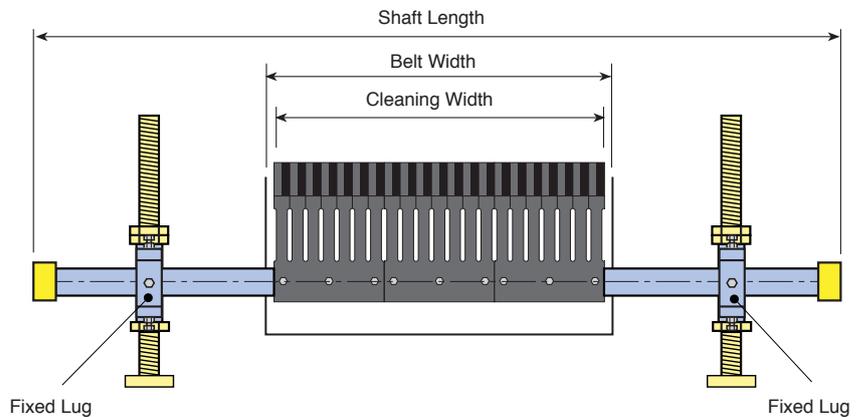
LOW MAINTENANCE

COST EFFECTIVE CLEANING

The first scraper to cover ALL Chevron belt cleaning problems...

Features:

-  Finger system allows scraper to be fitted in any position from the snub drum backwards
-  Does not require slack belt to operate
-  Works successfully on belts with both vulcanised and clip joints
-  Old and worn belts are not damaged
-  Also works on convex drums
-  Standard 7 finger polyurethane blades, very flexible and cleans whole width of belt
-  Easy fitting, low cost maintenance and spares



Belt Width (mm)	Scraper Width (mm)	Number of Blades Qty	Carrier Length (mm)	Shaft Diameter (mm)	Type (mm)	Adjustment
300	300	1.50	1500	ø48	M30 x 315	Standard option: FIXED LUG (manual adjustment)
400	400	2.00				
450	450	2.25				
500	500	2.50				
600	600	3.00				
650	650	3.25				
700	700	3.50	1800	ø48	M30 x 315	Standard option: FIXED LUG (manual adjustment)
750	750	3.75				
800	800	4.00				
900	900	4.50				
1000	1000	5.00	2500	ø60	M42 X 400	Standard option: FIXED LUG (manual adjustment)
1050	1050	5.25				
1200	1200	6.00				
1350	1350	6.75				
1400	1400	7.00				
1500	1500	7.50				
1600	1600	8.0	3000	ø60	M42 X 400	Standard option: FIXED LUG (manual adjustment)
1800	1800	9.0				
1800	1800	9.0				
2000	2000	9.0				

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BMS CONVEYOR BELT CLEANERS

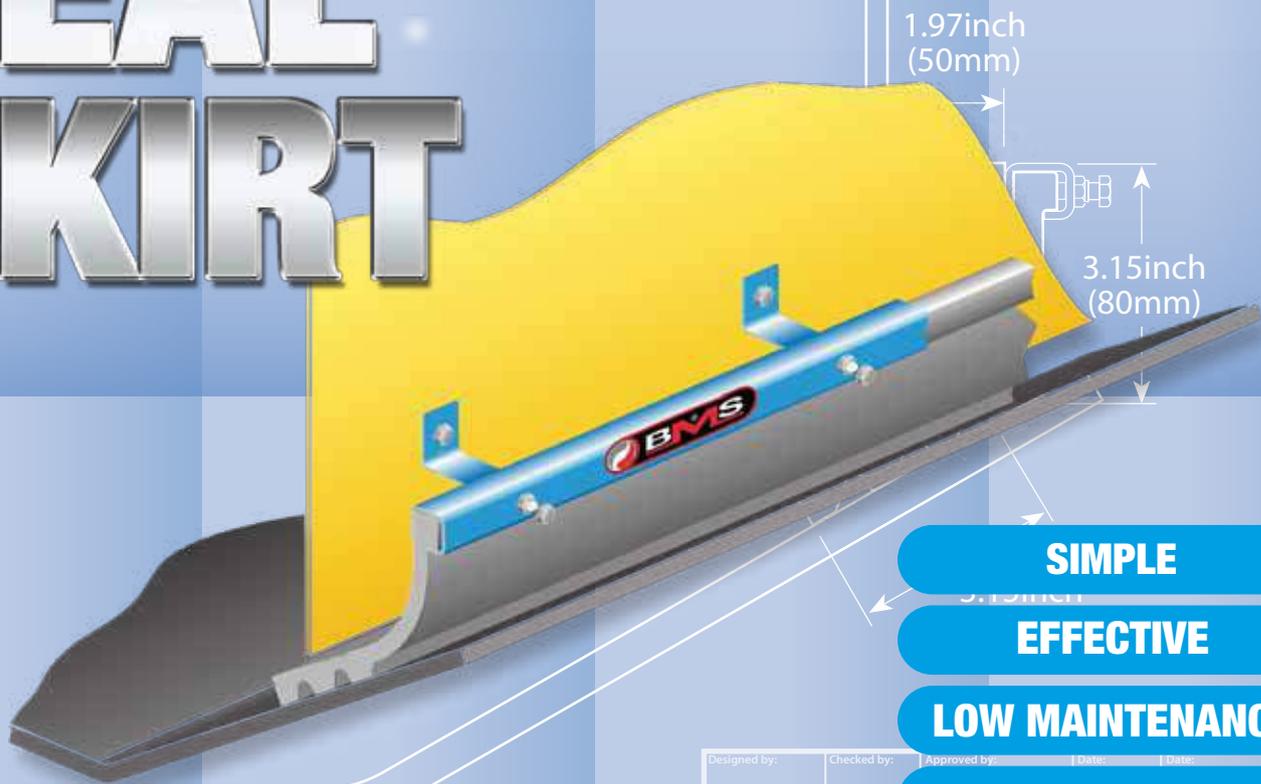
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Website: www.belt-cleaners.com

SEAL SKIRT



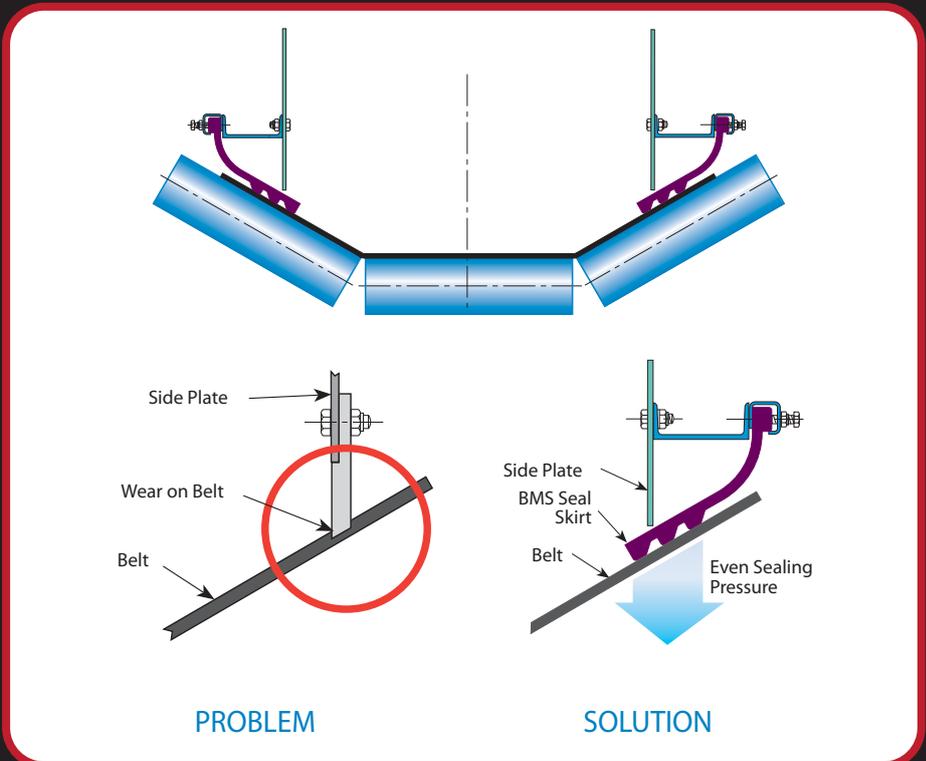
- SIMPLE**
- EFFECTIVE**
- LOW MAINTENANCE**
- LOW OPERATING COSTS**

Designed by: _____ Checked by: _____ Approved by: _____ Date: _____ Date: _____



Features:

-  Provides effective chute sealing, controlling spillage at conveyor load areas
-  Suitable for all belt conveyor widths carrying all types of material
-  Simple installation and quick skirt rubber replacement
-  Self cleaning grooves trap spillage, allowing it to be carried away by the belt
-  Low contact area reduces wear
-  Self adjusting
-  Retains seal to accommodate belt movement



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Size 1

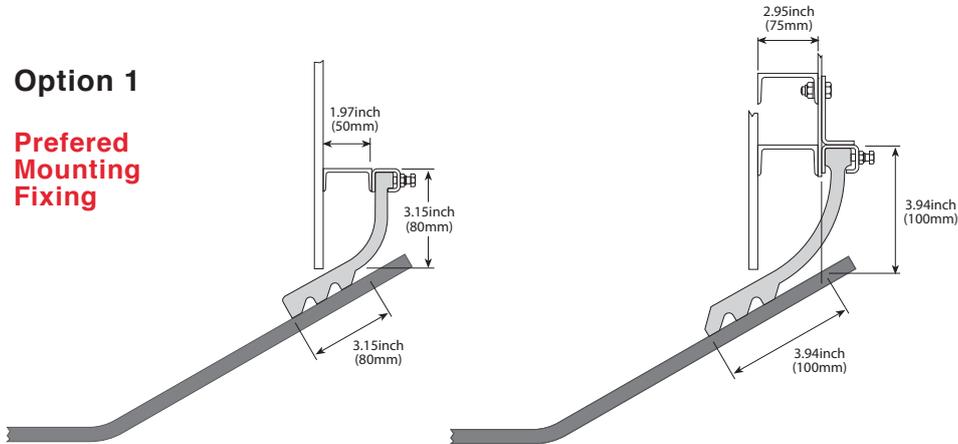
Belt widths up to 900mm (36")

Size 2

Belt widths 1000mm (42") up to 1600mm (60")

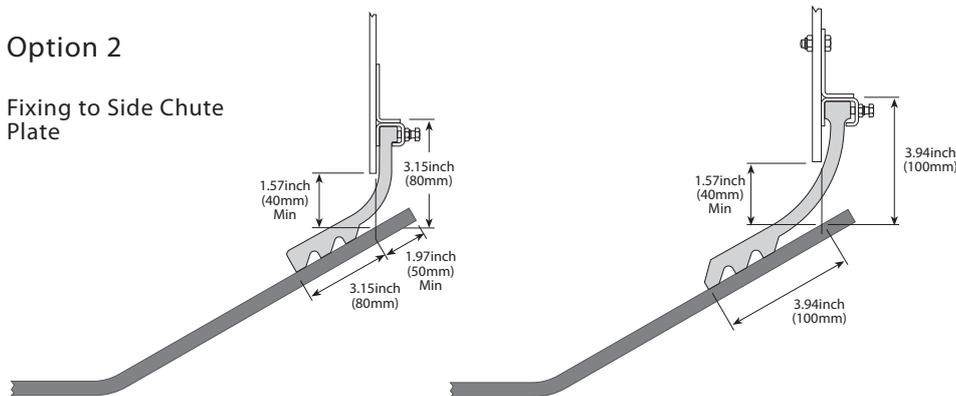
Option 1

Preferred Mounting Fixing

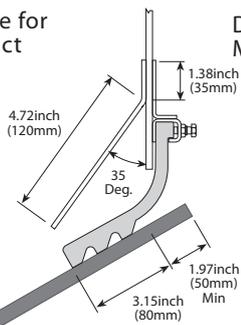


Option 2

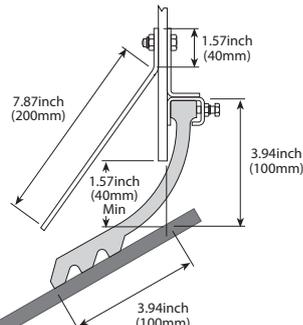
Fixing to Side Chute Plate



Deflector Plate for Material Impact



Deflector Plate for Material Impact



Components

- Track available in 1.2m (47.24inch) lengths with lugs, fabricated from mild steel with powder coated finish.
- Grooved skirt rubber available for all applications.

Installation

- Refer to drawings on this page to select correct installation system.
- Bolt or weld channel track in position as shown.
- Loosen stop screws.
- Cut skirt rubber to length and chamfer leading edge.
- Slide rubber into track and
- Grooved skirt rubber supplied 10m lengths.

BMS continuously modify and improve its product range, therefore, information given in this leaflet may be subject to change without prior notice.



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