



Bhajjanka

CONVEYOR DIVISION

ONE STOP SOLUTION TO UNGRADE CONVEYOR

ONE STOP PRODUCTIVITY

BHAJJANKA ISPAT PVT LTD.

(An ISO 9001 : 2008 Registered Company)

GST No. : 19AADCB3453A1Z4

PR BIPL

Standard Duty Scraper

Simple, Quick, Effective Belt Cleaning for all operations

The PR BIPL is not your average solid-blade belt scraper that mounts on the head pulley. It features a unique single blade design that combines simple, do-it-yourself installation, quick maintenance and effective cleaning results with a price tag that you can afford. Install the Scraper anywhere throughout the process where dust is widespread to facilitate the capture of usable material and avoid potential safety citations for hazardous piles. High-Temp and Ultra High-Temp blade options are available for belts carrying clinker.



Features and Benefits :

- **Works with mechanical splices.** The spring tensioner allows the blade to quickly move away from the belt when a splice passes. The polyurethane blade material easily glides over the splice without damage and with minimal cleaning disruption.
- **Can be used on reversing belts.** Installing Scraper on both pulleys gives superior cleaning results on belts that run in both directions.
- **Fits most conveyor structures.** Available for belt widths from 300 to 1800 mm (12" to 72")
- **Blade can be used on other Scraper.** The blade can be used as a replacement blade on many OEM Scraper.

PR BIPL

Standard Duty Scraper

Specifications and Guidelines

Maximum Belt Speed

3.5 M/sec (700 FPM)

Temperature Rating

Purple : -30°F to 180°F (-35°C to 82°C)

Yellow : -30°F to 275°F (-35°C to 135°C)

Spikes to 325°F (160°C)

Red : -30°F to 400°F (-35°C to 200°C)

Spikes to 450°F (230°C)

Minimum Pulley Diameter

250 mm (10")

Blade Height

185 mm (7-1/4") 220 mm

Usable Blade Wear Length

100 mm (4")

Blade Material

Purple : Polyurethane 83 durometer

Yellow : Polyurethane 93 durometer

Red : Ultra High-Temp Polyurethane

90 durometer

(Proprietary blends for abrasion resistance and long wear)

CEMA Scraper Rating

Class 3

Available for Belt Widths

300 to 1800 mm (12" to 72")

Horizontal Clearance Required

100 mm (4")

Vertical Clearance Required

238 mm (9-1/2")

Pole Length

Scraper size upto 120 mm (48")

+ 750 mm (30")

Scraper size over 120 mm (48")

+ 850 mm (34")

Maximum Conveyor Span

Scraper size upto 120 mm (48")

+ 625 mm (25")

Scraper size over 120 mm (48")

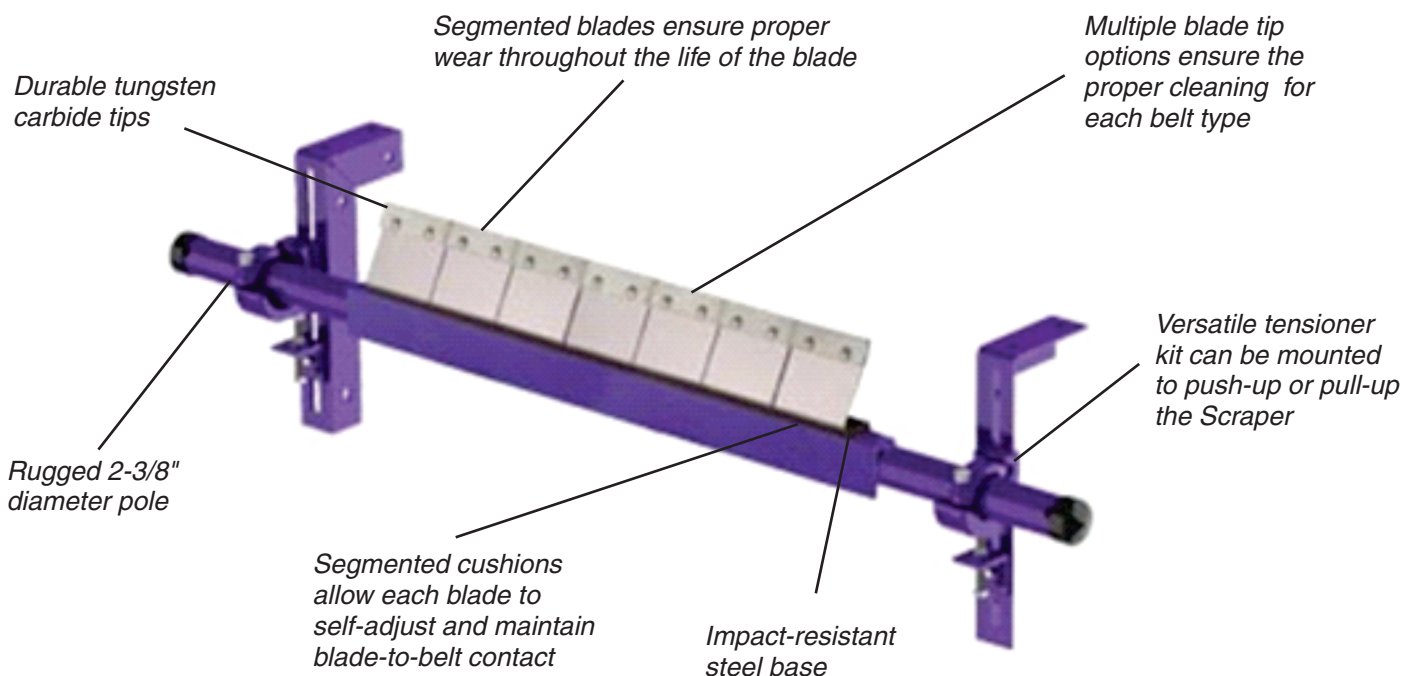
+ 725 mm (29")

SEC BIPL

Secondary Belt Scraper

Reliable Secondary Belt Scraper

The Secondary Belt Scraper is compact and designed to be positioned just off the head pulley to remove carryback from the belt. Stand alone, or when used in conjunction with a Scraper, the Scraper is a reliable choice for maintaining a highly efficient cleaning system.



Features and Benefits :

- **Cleaning efficiency of metal blades.** The thin, hard edges of the metal blades deliver high cleaning efficiency and long wear life.
- **Works with mechanical splices.** The C-Tip tungsten carbide blades are impact-resistant, and the spring cushion allows them to move away from a passing splice without damage and with minimal cleaning disruption. V-Tip can be used only on vulcanised belts.
- **Fits most conveyor structures.** Available for belt widths from 18" to 72" (450 mm to 1800 mm).

SEC BIPL

Standard Duty Scraper

Specifications and Guidelines

Maximum Belt Speed

1000 FPM (5 M/sec)

Temperature Rating

-30°F to 180°F (-35°C to 82°C)

Usable Blade Wear Length

3/8" (9 mm)

Blade Material

Impact resistant, long-lasting tungsten carbide (C-Tip for mechanical fastners, V-Tips for vulcanized belts)

Available for Belt Widths

18" to 72" (450 to 1800 mm)

CEMA Scraper Rating

Class 4

Pole Length

Scraper size up to 48" (1200 mm)
+ 30" (750 mm) / Scraper size 54"
and up (1350 mm) + 34" (850 mm)

**Horizontal Clearance
Required**

4" (100 mm)

**Vertical Clearance
Required**

8" (200 mm)



CM BIPL

Pre-Scraper with V- or VP- Tips

High Efficiency Tungsten-Carbide Combined Scraper

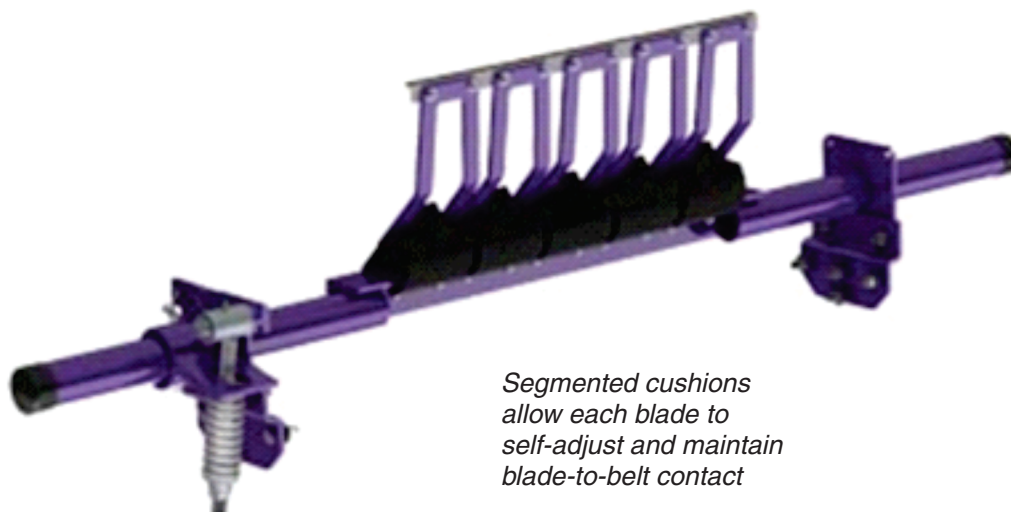
The CM BIPL Scraper with V or Protected V-Tips is designed to be positioned on the head pulley and to remove the bulk of the carryback from the belt. Proven performance over 20 years as the most efficient Scraper in material handling applications such as slag, iron ore, bauxite and hard rock mining with vulcanized belts.

Durable tungsten carbide tips

Segmented blades ensure proper wear throughout the life of the blade

Impact-resistant steel base

Protected V-Tip Option



Segmented cushions allow each blade to self-adjust and maintain blade-to-belt contact

Heavy-duty, 2-7/8" (73 mm) pole ensures durability for those tough applications

Features and Benefits :

- **Works with vulcanized belts.** The tungsten carbide tips allow for maximum cleaning efficiency and superior wear characteristics. Also available with protected tips for abrasive applications.
- **Made for mining conveyors.** Made from heavy-duty steel with corrosion-resistant powder coating, the CM Type is available in sizes for belt widths from 18" to 72" (450 to 1800 mm). Additional sizes are available upon request.

CM BIPL

Scraper with V- or VP- Tips

Specifications and Guidelines

Maximum Belt Speed

1000 FPM (5 M/sec)

Temperature Rating

-30°F to 180°F (-35°C to 82°C)

Usable Blade Wear Length

3/8" (9 mm)

Blade Material

Impact resistant, long-lasting tungsten carbide (C-Tip for mechanical fastners, V-Tips for vulcanized belts)

Available for Belt Widths

18" to 72" (450 to 1800 mm)

CEMA Scraper Rating

Class 4

Pole Length

Scraper size up to 48" (1200 mm)
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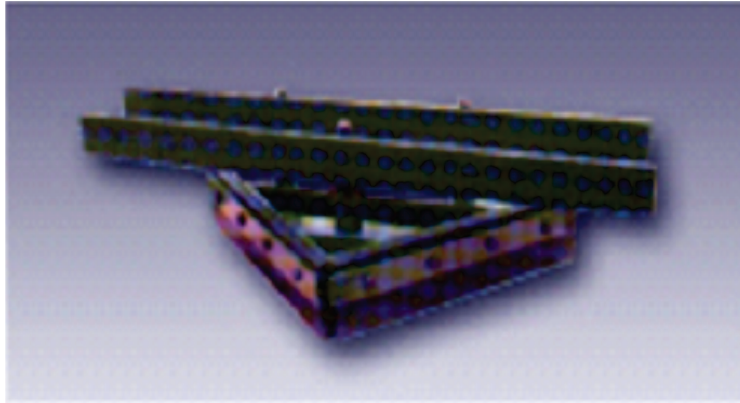
**Horizontal Clearance
Required**

4" (100 mm)

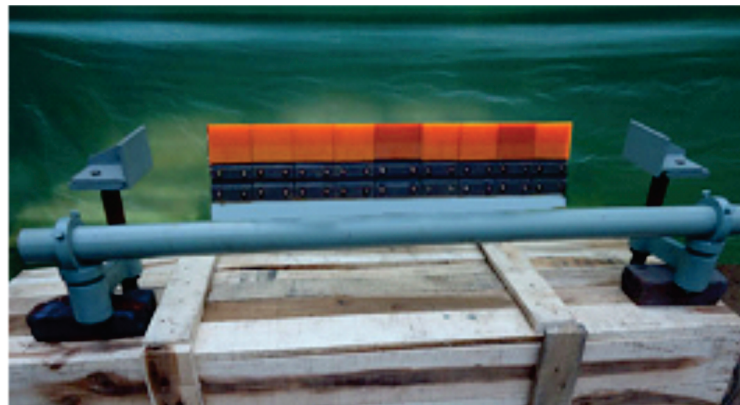
**Vertical Clearance
Required**

8" (200 mm)

Intermediate Scraper "V" Plough



Primary Scraper of various belt width with PU Blade



Secondary Scraper of various belt width with TC Tips Blade



CM BIPL

Bhajjanka Skirting System

Seals and Prevents Spillage of All Raw Materials and Clinker

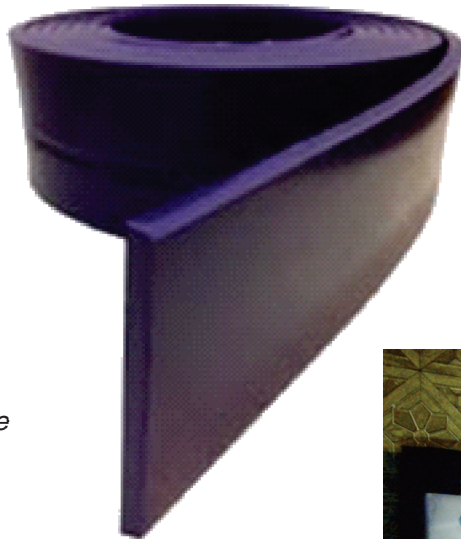
Use Bhajjanka Skirting in areas throughout the cement process where the load zone needs to be fully sealed. It is especially effective in the transfers between the primary crusher and the stockpile, as well as in the secondary crusher, where confined spaces make cleanup challenging, if not impossible. Bhajjanka Skirting is also ideal on belts carrying clinker to storage or finish mills where dust needs to be contained.

Comes in easy-to-use
4' (1.2mm) lengths

No hassle installation
with few parts and
complete step-by-step
instructions

Rubber thickness can
vary from 5/16" to 3/4"
(8-19mm)

Angles the skirt rubber so it
seals with low contact pressure
and without damaging the belt



Features and Benefits :

- No belt damage. With correct installation, the skirt rubber will not drag on the belt, causing premature wear or gouge marks in the belt cover. Such damage reduces belt cleaning efficiency and the life of the belt.
- Safe service access. All installation and maintenance work can be done safely from the sides of the conveyor. Climbing into the chute to work on nuts and bolts is not required.
- Long service life. Bhajjanka Skirting Systems are made of corrosion protected components for tough duty. Replacement parts are available.

Standard Urethane Skirting is available for high-abrasion applications in areas such as clinker storage and near the finish mills.

Bhajjanka

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RELIABILITY ☆ QUALITY ☆ PERFORMANCE

IMPACT BED

Bhajjanka Conveyor Impact Beds are located beneath the conveyor belt at loading or transfer points and are designed to absorb impact forces from material-flow or lumps impacting with the belt.

Impact beds are generally fitted in place of impact idlers, thus eliminating damage to bearings and other moving parts.

Using robust construction methods, large sized steel sections, fully welded and galvanized components, Bhajjanka is able to design an impact bed to suit almost any location and impact load.

Bhajjanka Conveyor Impact Beds are available as Standard, heavy Duty, Hybrid designs or can be custom designed to meet your specific requirements.





BHAJJANKA

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