



Since 1976

## PREM GROUP OF INDUSTRIES

Manufacturers & Exporters of  
**Industrial & Milling Components**

Elevator Buckets | Belting | Perforated Sheets | Mill Machinery Spares





Since 1976

## PREM GROUP OF INDUSTRIES

### Industrial Solutions for Milling & Material Handling Since 1976

**Prem Group of Industries** is a leading manufacturer, and exporter of high-quality industrial components and material handling solutions, specially engineered for **rice mills, flour mills, pulse mills, oil mills, and allied industries**, across India.

With a legacy of excellence since **1976**, the group has built a strong reputation for **precision manufacturing**, consistent quality, and reliable performance. Our products are designed to meet the demanding operational requirements of modern industrial and milling applications across India.

#### Our Companies

- ▶ Prem Industrial Corporation
- ▶ Prem Perforators (India)
- ▶ Prem Beltech Innovations
- ▶ Prem Beltco (India)

Each firm operates with specialized expertise, ensuring superior product quality and comprehensive industrial solutions under one trusted group.

#### Our Commitment

At Prem Group, we are committed to deliver:

- ▶ Superior Quality Products
- ▶ Precision Engineering
- ▶ Competitive Pricing
- ▶ Timely Delivery
- ▶ Long-Term Reliability

#### Our Product Range

We manufacture and supply a wide range of **industrial and mill-specific products**, including:

- ▶ Elevator Buckets (Plastic, SS & MS – AA Type, Shovel Type, and more)
- ▶ Perforated Sheets (MS, SS & GP)
- ▶ White Synthetic Belting
- ▶ Cotton Nylon Belting
- ▶ Polyester Belting
- ▶ Bucket Bolts
- ▶ Bell Fasteners
- ▶ Other Mill Machinery Spares

#### Contact Us

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PREM INDUSTRIAL CORPORATION

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## Elevator Buckets





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## MS ELEVATOR BUCKETS (AA TYPE)



S.NO.	SIZE (in)	20 SWG		19 SWG		18 SWG		16 SWG		14 SWG	
		WT. (gm)	PCK.	WT. (gm)	PCK.	WT. (gm)	PCK.	WT. (gm)	PCK.	WT. (gm)	PCK.
1	3" X 3" X 2¼"	80	288	95	288	115	144	-	-	-	-
2	3" X 3½" X 2¾"	90	288	110	288	140	144	-	-	-	-
3	3½" X 3½" X 2¾"	115	288	140	288	180	144	210	144	-	-
4	4" X 3¾" X 3"	135	288	160	144	200	144	240	144	-	-
5	4½" X 3¾" X 3"	155	144	190	144	235	144	275	144	-	-
6	5" X 4" X 3¾"	165	144	200	144	250	144	300	144	-	-
7	5" X 4¾" X 3½"	-	-	255	144	305	144	370	96	-	-
8	6" X 4¾" X 3¾"	215	144	260	144	325	144	390	96	-	-
9	6" X 4¾" X 3½"	-	-	285	96	360	96	420	96	600	72
10	6" X 5" X 3¾"	-	-	320	96	385	96	460	96	625	72
11	7" X 5" X 3½"	-	-	360	96	430	96	525	72	675	72
12	8" X 4" X 3¾"	-	-	-	-	410	96	510	72	650	72
13	8" X 5½" X 4¼"	-	-	-	-	575	72	700	72	915	50
14	9" X 6" X 5"	-	-	-	-	710	48	890	48	1140	36
15	10" X 6" X 5"	-	-	-	-	810	48	1000	48	1300	36
16	12" X 6" X 5"	-	-	-	-	-	-	1175	36	1550	30
17	12" X 8" X 6"	-	-	-	-	-	-	1500	24	1950	24
18	14" X 7" X 5"	-	-	-	-	-	-	1500	24	1950	24

Note:- Stainless Steel (SS) buckets are also available.

Note:- Weight tolerance  $\pm 7\%$ .



PREM INDUSTRIAL CORPORATION

## MS ELEVATOR BUCKETS (SHOVEL TYPE)



S.NO.	SIZE (mm)	18 SWG		16 SWG	
		WT. (gm)	PCK.	WT. (gm)	PCK.
1	106 X 94 X 58	170	150	200	150
2	115 X 104 X 67	230	150	270	150
3	138 X 115 X 76	325	100	375	100
4	154 X 125 X 80	360	100	420	100
5	178 X 134 X 88	450	100	575	100
6	205 X 140 X 105	560	50	700	50
7	230 X 153 X 120	700	25	875	25

**Note:- Stainless Steel (SS) buckets are also available.**

**Note:- Weight tolerance  $\pm 7\%$ .**



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## PLASTIC ELEVATOR BUCKETS (AA TYPE)



S.NO.	SIZE (in)	WT. (gm)	PCK.
1	4" X 3 <sup>3</sup> / <sub>4</sub> " X 3"	60	150
2	4 <sup>1</sup> / <sub>2</sub> " X 4" X 3"	70	150
3	5" X 4" X 3 <sup>1</sup> / <sub>4</sub> "	90	100
4	5" X 4 <sup>3</sup> / <sub>4</sub> " X 3 <sup>1</sup> / <sub>2</sub> "	100	100
5	6" X 4" X 3 <sup>1</sup> / <sub>4</sub> "	100	150
6	6" X 5" X 3 <sup>3</sup> / <sub>4</sub> "	120	100
7	7" X 5" X 3 <sup>1</sup> / <sub>2</sub> "	150	100
8	8" X 5 <sup>1</sup> / <sub>4</sub> " X 4 <sup>1</sup> / <sub>4</sub> "	185	100
9	9" X 6" X 5"	275	50
10	10" X 6" X 5"	330	40
11	12" X 6" X 5"	450	30
12	12" X 8" X 6"	675	20
13	14" X 7" X 5"	550	25

**Note:- Double packing is also available.**

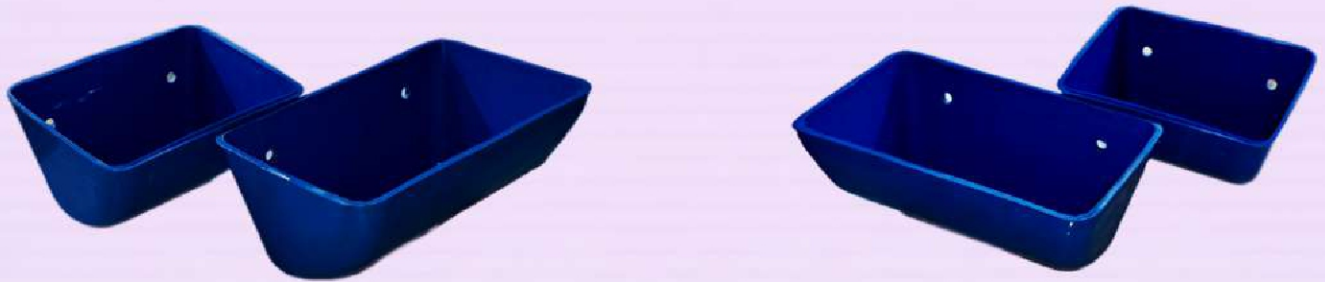
**Note:- Nylon buckets are also available.**

**Note:- Weight tolerance  $\pm 7\%$ .**



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## PLASTIC ELEVATOR BUCKETS (SHOVEL TYPE)



S.NO.	SIZE (mm)	WT. (gm)	PCK.
1	106 X 95 X 60	60	150
2	130 X 112 X 80	100	100
3	153 X 126 X 90	145	100
4	178 X 126 X 90	175	100
5	210 X 133 X 95	250	50

**Note:- Double packing is also available.**

**Note:- Nylon buckets are also available.**

**Note:- Weight tolerance  $\pm 7\%$ .**



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## ELEVATOR BUCKET BOLTS



S.NO.	SIZE (in) X THICKNESS (mm)	QTY. PER CARTON
1	3/4" X 1/4" (6 mm)	3600
2	1" X 1/4" (6 mm)	3600
3	1" X 5/16" (8 mm)	2400
4	1 1/4" X 5/16" (8 mm)	2400
5	1 1/2" X 5/16" (8 mm)	1600
6	1 1/2" X 3/8" (10 mm)	1200
7	2" X 3/8" (10 mm)	1200

*Note:- Also available in Zinc coating with Nylock nut.*



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## ELEVATOR BUCKET BOLTS (SS)



S.NO.	SIZE (in) X THICKNESS (mm)	QTY. PER CARTON
1	1¼" X 5/16" (8 mm)	1200
2	1½" X 5/16" (8 mm)	1200
3	1½" X 3/8" (10 mm)	1000
4	2" X 3/8" (10 mm)	800

**Note:- Also available with Nylock nut.**



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## BELT & CONVEYOR FASTENERS



### BELT FASTENER

S.NO.	SIZE (in) X THICKNESS (mm)	QTY. PER CARTON
1	1¼" X 8 mm	1000
2	1½" X 10 mm	800
3	2" X 10 mm	800

### CONVEYOR FASTENER

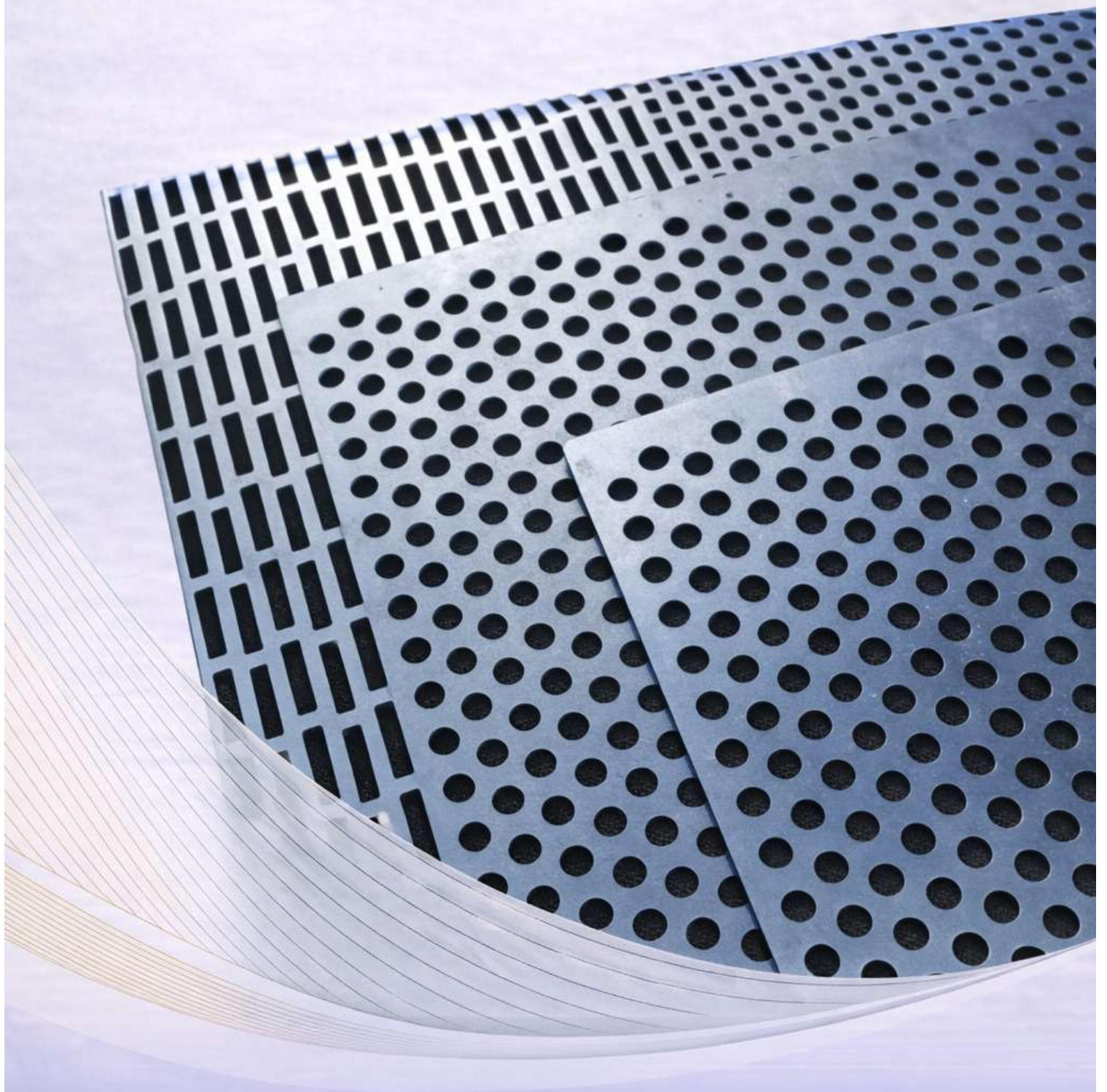
S.NO.	SIZE (in)	QTY. PER CARTON
1	1½"	500
2	2"	500
3	2½"	200
4	3"	200



PREM PERFORATORS (INDIA)

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# Perforated Sheet





## PREM PERFORATORS (INDIA)

### CR MS vs GP MS Perforated Sheets

Parameter	CR MS Sheet	GP MS Sheet
Full Form	Cold Rolled Mild Steel	Galvanized Plain Mild Steel
Surface Treatment	Uncoated	Zinc Coated (Galvanized)
Surface Finish	Smooth, clean and uniform	Slightly rough / spangled finish
Dimensional Accuracy	High precision	Moderate precision
Corrosion Resistance	Low (requires paint/coating)	High (rust resistant)
Suitability for Painting	Excellent	Limited (paint over galvanizing)
Fabrication & Perforation	Very good	Good
Indoor / Outdoor Use	Indoor applications	Indoor & outdoor applications
Typical Applications	Panels, enclosures, filters, decorative sheets	Ventilation sheets, fencing, outdoor panels, cladding
Service Life	Depends on coating/paint	Longer life due to zinc coating

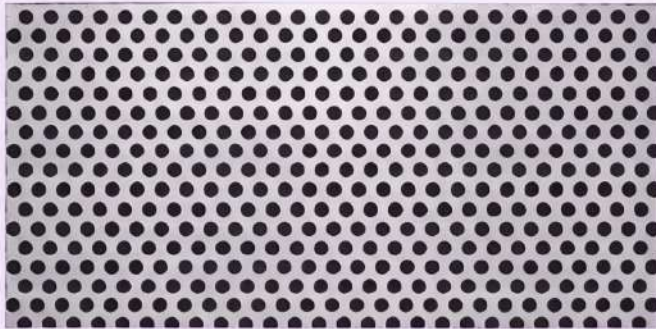
#### Technical Note

- ✓ **CR MS and GP MS are Mild Steel (MS).**
- ✓ The difference lies only in **surface processing** and corrosion protection, not in the base metal.

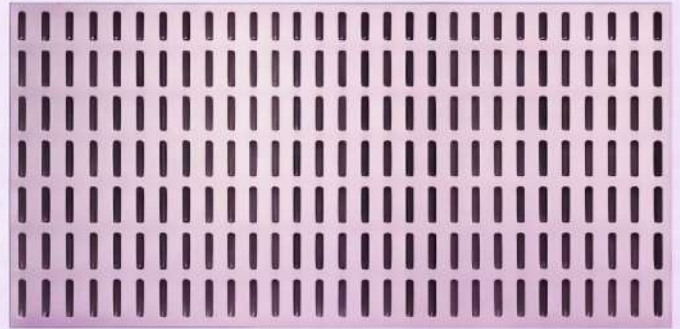


## PREM PERFORATORS (INDIA)

### Chart Showing Specification of Round Hole and Long Hole Metal Perforated Sheet - NOs. EQUIVALENT TO MM. HOLE DIAMETERS



**ROUND HOLE**



**LONG HOLE**

ROUND HOLE						LONG HOLE					
Nos.	Dia Hole In		Nos.	Dia Hole In		Nos.	Dia Hole In		Nos.	Size in MM	
	Inch	MM		Inch	MM		Inch	MM		Ord.	BSS
3	.....	0.70	8 ¼	.....	2.30	12 ¼	.....	5.50	1	0.80	1.00
4	.....	0.80	8 ½	3/32	2.40	12 ½	7/32	5.60	1 ¼	0.90	1.25
4 ½	.....	0.90	8 ¾	.....	2.50	12 ¾	.....	6.00	1 ½	1.00	1.50
5	.....	1.00	9	7/64	2.60	13	1/4	6.35	1 ¾	1.10	1.60
5 ¼	.....	1.10	9 ¼	.....	2.75	13 ½	9/32	7.13	2	1.25	1.75
5 ½	.....	1.20	9 ½	.....	3.00	14	5/16	7.90	2 ¼	1.40	1.85
5 ¾	.....	1.30	9 ¾	.....	3.10	14 ½	11/32	8.80	2 ½	1.60	2.00
6	.....	1.40	10	1/8	3.25	15	3/8	9.50	2 ¾	1.80	2.25
6 ¼	.....	1.50	10 ¼	.....	3.55	15 ½	13/32	10.30	3	2.00	2.50
6 ½	1/16	1.60	10 ½	.....	3.80	16	7/16	11.10	3 ¼	2.30	2.75
6 ¾	.....	1.70	10 ¾	5/32	3.95	16 ½	.....	12.00	3 ½	2.80	3.00
7	.....	1.80	11	.....	4.32	17	1/2	12.70	3 ¾	3.20	3.25
7 ¼	.....	1.90	11 ¼	.....	4.50	18	9/16	14.28	4	3.50	3.50
7 ½	5/64	2.00	11 ½	3/16	4.75	19	5/8	15.90	4 ¼	3.90	3.75
7 ¾	.....	2.10	11 ¾	.....	5.00	20	3/4	19.00	4 ½	4.30	4.00
8	.....	2.20	12	.....	5.15	21	7/8	22.25	4 ¾	4.70	4.50
						22	1	25.40	5	5.10	5.00
						23	1 1/8	28.00	5 ½	6.40	6.00

- ✓ Widths available up to 4 feet
- ✓ Sheet lengths available up to 40 feet
- ✓ Offered in MS, GP, and SS materials
- ✓ Available in a wide range of thicknesses



PREM BELTCO (INDIA)

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# Cotton-Nylon-Polyester Belting





PREM BELTCO (INDIA)

## Cotton Belting

**Cotton-Belting** is the most traditional and widely used industrial belt, manufactured from high-grade woven cotton duck fabric. These belts are known for their flexibility, excellent grip, and economical performance in light to medium duty applications.

### Applications

- ✓ Flour mills & rice mills
- ✓ Packaging machines
- ✓ Power transmission
- ✓ General material handling

### Key Features

- ✓ Smooth and flexible operation
- ✓ Good adhesion and grip
- ✓ Easy jointing and installation
- ✓ Low maintenance
- ✓ Cost-effective solution



Cotton belts are ideal for industries where moderate load capacity and gentle product handling are required. They perform efficiently in dry working conditions and remain a preferred choice for conventional machinery.



PREM BELTCO (INDIA)

## Cotton-Nylon Belting

**Cotton-Nylon Belting** combines the natural flexibility of cotton with the superior strength of nylon reinforcement. This blend results in a belt with higher tensile strength and better impact resistance than ordinary cotton belts.

### Applications

- ✓ Bucket elevators
- ✓ Atta chakki & dal mills
- ✓ Grain handling systems
- ✓ Agro-processing units

### Key Features

- ✓ Higher load carrying capacity
- ✓ Better shock resistance
- ✓ Improved wear life
- ✓ Suitable for continuous running
- ✓ Balanced cost and performance



These belts are designed for industries that require stronger performance without shifting to full synthetic belting.

They provide dependable service in dusty and semi-humid environments.



PREM BELTCO (INDIA)

## Polyester Belting

**Polyester Belting** is manufactured using high-tenacity polyester fabric, offering excellent strength with very low elongation. These belts are engineered for modern industries demanding higher efficiency and durability.

### Applications

- ✓ Fertilizer & feed plants
- ✓ Food processing units
- ✓ Continuous industrial lines
- ✓ Bulk material handling

### Key Features

- ✓ Minimal stretch under load
- ✓ High tensile strength
- ✓ Moisture resistant
- ✓ Dimensionally stable
- ✓ Longer service life



Polyester belts ensure consistent performance where precision, load stability, and resistance to environmental conditions are critical.



PREM BELTCO (INDIA)

## Polyester–Nylon Belting

**Polyester–Nylon Belting** is our premium range designed for the most demanding industrial applications. The polyester warp provides strength while nylon weft delivers flexibility and impact resistance.

### Applications

- ✓ High capacity bucket elevators
- ✓ Cement & grain plants
- ✓ Heavy agro industries
- ✓ High impact loading areas

### Key Features

- ✓ Maximum tensile strength
- ✓ Excellent abrasion resistance
- ✓ Superior impact absorption
- ✓ Performs well in humid conditions
- ✓ Designed for continuous duty



This belt is recommended for industries where breakdown is not an option and long, trouble free operation is essential.



PREM BELTCO (INDIA)

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## Technical Specifications

✓ **Thickness:** 5mm, 6mm, 7mm, 8mm, 9mm, and 10mm

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✓ **Sizes (Width):** 2 inch, 3 inch, 4 inch, 5 inch, 6 inch, 7 inch, 8 inch, 9 inch, 10 inch, 11 inch, 12 inch, 13 inch, 14 inch

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✓ **Length of Roll:** 122 meters approx and above

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White  
Synthetic  
Belting





PREM BELTECH  
INNOVATIONS

## WHITE SYNTHETIC BELTING

Engineered for Strength • Hygiene • Performance

At **Prem Beltech Innovations**, we bring next-generation conveying solutions with our **White Synthetic Belting**—a product designed to meet the demanding needs of modern rice mills, flour mills, food processing units, and industrial elevators.

Manufactured using advanced synthetic polymers and high-strength reinforcement, our belts deliver superior load carrying capacity, longer service life, and contamination-free conveying. The smooth white surface ensures excellent hygiene standards, making it ideal for industries where product purity is critical.



### Why Choose Our White Synthetic Belting?

- ✓ **High Strength & Load Capacity** – Designed for heavy duty continuous operations
- ✓ **Food-Grade & Hygienic Surface** – Prevents contamination and dust absorption
- ✓ **Excellent Wear Resistance** – Low abrasion, longer belt life
- ✓ **Moisture & Chemical Resistant** – Performs reliably in humid and wet conditions
- ✓ **Low Maintenance** – Reduced downtime and operational costs
- ✓ **Uniform Thickness & Flexibility** – Ensures smooth and vibration-free running

We manufacture **ALL PLIES & ALL SIZES**, offering fully customized solutions as per your plant requirement—whether for bucket elevators, conveyors, or specialized applications.

Backed by precise engineering and strict quality control, our **White Synthetic Belting** delivers **efficiency, reliability, and premium performance**—helping your plant run cleaner, faster, and longer.

### Prem Beltech Innovations

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## WHITE SYNTHETIC BELT vs BLACK CONVEYOR BELT

(Agriculture Industry)



Parameter	White Synthetic Belt	Black Conveyor Belt
✓ Hygiene Level	Food-grade, non-toxic, highly hygienic	✓ May release carbon particles & odor
✓ Product Contamination	No color transfer to grains	✓ Can leave black marks on rice
✓ Visual Cleanliness	Dirt & impurities easily visible	✓ Contamination remains hidden
✓ Moisture Resistance	Excellent resistance to moisture & oil	✓ Absorbs moisture, degrades faster
✓ Strength & Stretch	High tensile strength, low stretch	✓ Higher stretch, frequent re-tensioning
✓ Cleaning & Maintenance	Easy to wash and maintain	✓ Dirt accumulates in surface pores
✓ Life in Agro Environment	Resistant to fungus & rodents	✓ Cracks/hardens over time
✓ Product Quality Impact	Maintains shine & whiteness of grains	✓ May affect appearance & quality
✓ Power Consumption	Lightweight, energy efficient	✓ Heavier, consumes more power
✓ Plant Appearance	Clean, export-grade look	✓ Industrial & dull appearance



PREM BELTECH  
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## WHITE SYNTHETIC BELTING – TECHNICAL SPECIFICATIONS

### PLY THICKNESS CHART

Ply	Thickness
3 Ply	3.5 mm
4 Ply	4.5 mm
5 Ply	5.75 mm
6 Ply	7 mm

**Note:** Thickness tolerance  $\pm 5\%$   
as per manufacturing standards.



### PRODUCT AVAILABILITY

- ✓ Available in plies: 3, 4, 5, 6 & 7 ply
- ✓ **Width Range:** 75 mm to 600 mm
- ✓ **Standard Roll Length:** approximately 150 – 160 meters
- ✓ Uniform thickness with strong layer bonding
- ✓ High tensile strength & long service life
- ✓ Suitable for **elevators, conveyors & industrial** handling systems



Since 1976

## PREM GROUP OF INDUSTRIES

Delivering quality industrial solutions with precision engineering and decades of expertise.

Trusted by industries across India for superior products, consistent quality, and reliable performance.

### Our Expertise

- ▶ Elevator Buckets (Plastic, MS & SS)
- ▶ White Synthetic, Cotton Nylon & Polyester Belting
  - ▶ Perforated Sheets (CR & GP)
  - ▶ Bucket Bolts & Belt Fasteners
  - ▶ Mill Machinery Spares

### Contact Us

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