

— POWERING INDUSTRIES WITH STRENGTH & ENDURANCE

Rubber conveyor belts, built to spec. Not to a price point.

Every Boston belt is compounded, built, cured and tested in our own plant in Jalandhar, India, matched to the material and the duty it will run, and proven against IS 1891, DIN 22102 and ISO 14890 before it ships.

1,750+

belt specifications, each with its own datasheet

200–1250

kN/m ratings in two to six plies

2008

quality system certified to ISO 9001

6

families of cover compound for every duty



Made in our own plant. Proven before it ships.



Jalandhar, Punjab, India

Boston Rubbers is a manufacturer, not a trading house. The compound is weighed to recipe on our own mills, calendered onto the fabric, built ply by ply, cured in our presses and tested in our laboratory, under one roof.

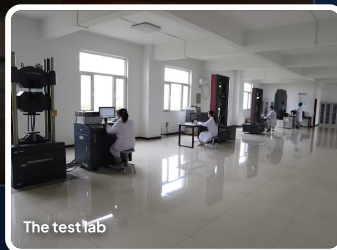
Because we make what we sell, a belt can be matched to its duty — the material, its temperature and lump size, the loading and the pulleys — not just a price per metre.

✓ **Named standards**
IS 1891 · DIN 22102 · ISO 14890

✓ **Test certificate**
with every supply, from the run

✓ **Inspection welcome**
by you or your third party

✓ **Engineering, free**
send the conveyor, we select



The test lab

Conveyor belts

EP and EE fabric belting, 200 to 1250 kN/m, six cover families

Rubber sheet

Smooth black sheet, 1 to 12 mm, in rolls or cut sizes

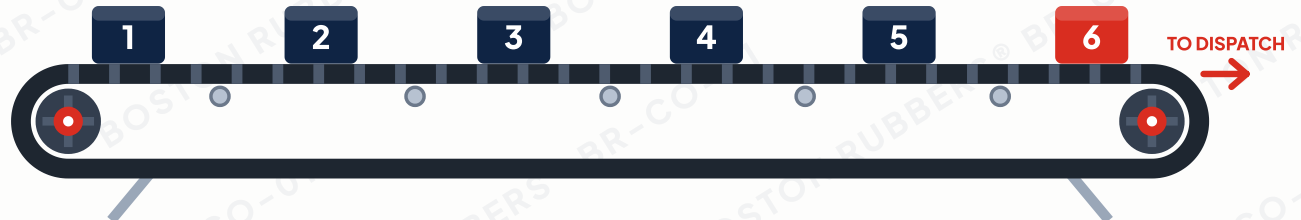
Across India & exported

By road nationwide; export papers with every shipment

“We don’t just move materials.
We move industries forward.”

One line, six stages, each checked before the next.

A belt is only as good as the stage you cannot see. Ours all happen under one roof, and none hands over to the next until its checks pass.



1 Compounding

Rubber, carbon black and chemicals weighed and mixed to the grade recipe on the mill.

2 Calendering

The compound sheeted to exact gauge, the fabric frictioned with skim rubber.

3 Building

Checked fabric, skims and covers laid up ply by ply into the green belt.

4 Press curing

Vulcanised under heat and pressure in the hydraulic press, section by section.

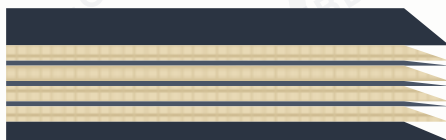
5 Inspection

Edges trimmed, width and thickness measured, every roll inspected and tagged.

6 Testing

Specimens from the run proven in the lab against the grade limits.

EP 800/4 6+2 X, IN SECTION



4 plies $\times$ 200 N/mm = 800 kN/m - total 18.6 mm nominal

Top cover, 6 mm

Carcass: 4 plies, EP 200

Bottom cover, 2 mm

WHAT LEAVES THE PRESS

Fabric takes the tension. Rubber takes the wear.

- **Top cover**, the wear face, in the grade the material demands
- **Carcass**, EP or EE fabric plies, each rated in N/mm
- **Skim rubber**, bonds ply to ply at 3.5 N/mm minimum
- **Bottom cover**, thin, riding the pulleys and idlers

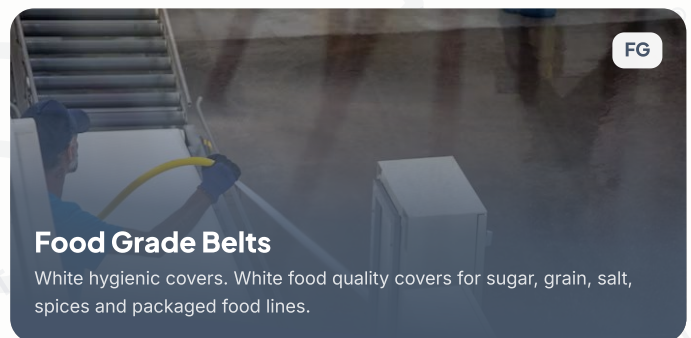
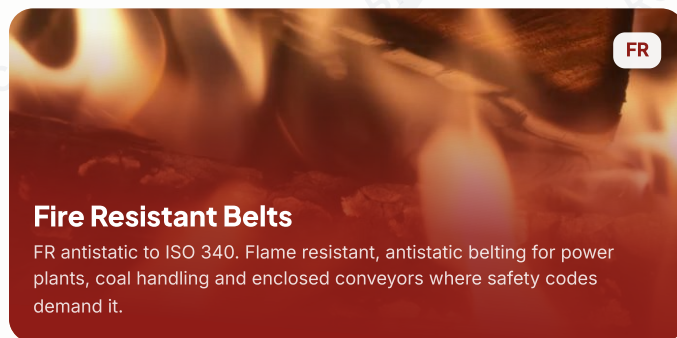
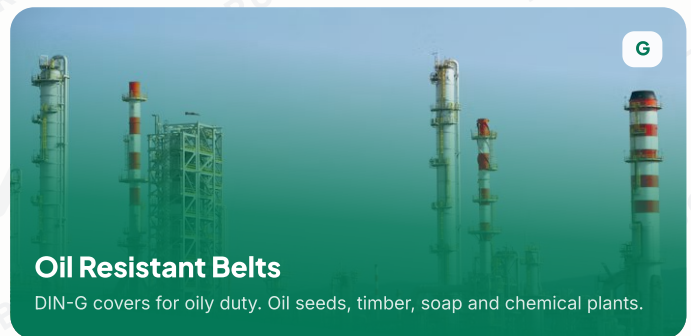
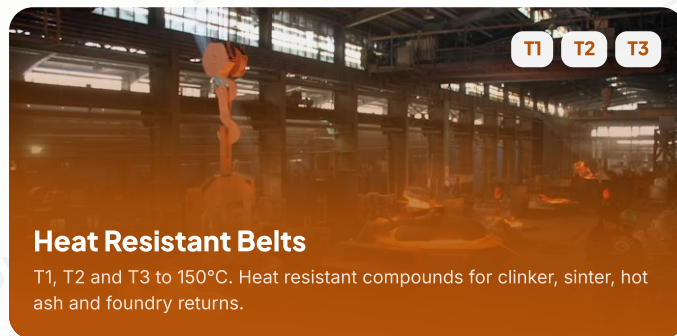
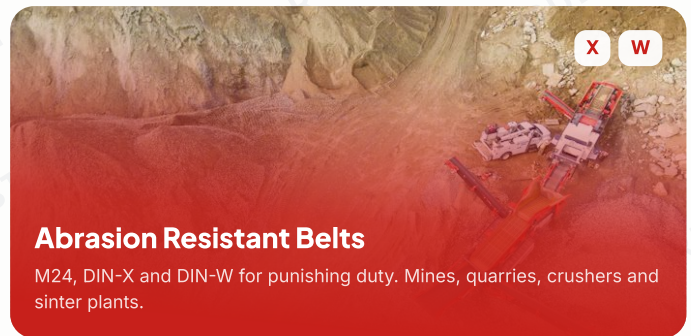
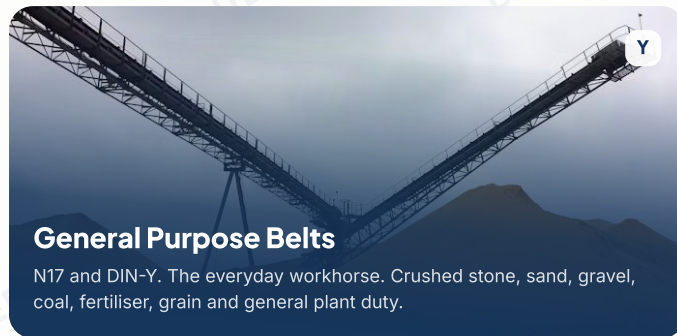


The quality system, in full

The six stages with photographs, the laboratory, every test and its method, and the tolerances we hold.

bostonrubbers.com/quality

Six families. One belt for every duty.



Every cover grade, IS 1891 and DIN 22102 side by side

Minimums at left, wear and heat at right. A dash means the grade is defined by its special property, not that figure.

Grade	IS 1891	DIN 22102	Tensile MPa	Elong. %	Abrasion mm ³ max	Heat
Y General purpose	IS 1891 N17	DIN-Y	17	400	200	—
X High abrasion	IS 1891 M24	DIN-X	24	450	150	—
W Super abrasion	—	DIN-W	18	400	90	—
T1 Heat resistant T1	IS 1891 Pt 2 HR	DIN-T	—	—	—	≤ 100°C
T2 Heat resistant T2	IS 1891 Pt 2 HR	DIN-T	—	—	—	≤ 125°C
T3 Super heat resistant T3	IS 1891 Pt 2 SHR	DIN-T	—	—	—	≤ 150°C
G Oil resistant	IS 1891 Pt 4 OR	DIN-G	—	—	—	—
FR Fire resistant antistatic	IS 1891 Pt 5	DIN-S/K	—	—	—	—
FG Food grade	—	White FDA type	—	—	—	—

The fabric decides a belt's strength.

Belt rating is plies × fabric strength: four plies of EP 200 make an 800 kN/m belt. This chart is the reinforcement range we build every belt from.

READ A
DESIGNATION

EP

Fabric

630

kN/m rating

/4

Plies

6+2

Covers, mm

X

Grade

EP

Polyester / Nylon

Polyester warp, nylon weft

The general choice: low stretch along the belt, flexible across it, troughs well.

EE

Polyester / Polyester

Polyester warp and weft

Stiffer across the width, for long centres, flat conveyors and wet duties.

NN

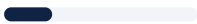
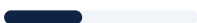
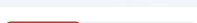
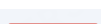
Nylon / Nylon

Nylon warp and weft

Stretches more, takes impact well: short conveyors with heavy loading.

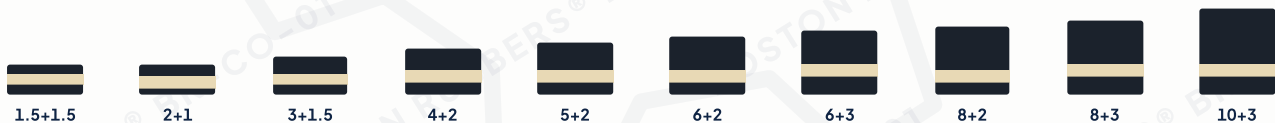
The reinforcement fabric chart

Rated warp strength per ply drawn to scale, nominal gauge and weight per frictioned ply, and the standard belt ratings each fabric builds.

Fabric	N/mm per ply	To scale	Gauge mm	Weight kg/m ²	Builds rating/plies
EP/EE 100	100		0.95	1.05	200/2 · 300/3 · 400/4 · 500/5
EP/EE 125	125		1.05	1.20	250/2 · 500/4 · 630/5
EP/EE 160	160		1.15	1.35	315/2 · 500/3 · 630/4 · 800/5
EP/EE 200	200		1.30	1.50	400/2 · 630/3 · 800/4 · 1000/5
EP/EE 250	250		1.50	1.70	500/2 · 800/3 · 1000/4 · 1250/5
EP/EE 315	315		1.70	1.95	630/2 · 1000/3 · 1250/4
EP/EE 400	400		1.95	2.25	800/2 · 1250/3
NN 100	100		0.90	1.00	200/2 · 300/3 · 400/4
NN 160	160		1.10	1.30	315/2 · 500/3 · 630/4
NN 200	200		1.25	1.45	400/2 · 630/3 · 800/4

 EP and EE  NN Carcass thickness ≈ plies × gauge + 0.4 mm skim between plies. Belt weight adds ≈ 1.12 kg/m² per mm of cover.

Covers, 1.5+1.5 to 10+3 mm: the ten standard pairs, to scale



The top cover grows with the wear: light duty 3+1.5, general mining 5+2 or 6+2, heavy lumps and hot clinker 8+3 and up. Heat and fire grades need 3 mm of top cover or more.



The full catalogue: 1,750+ specifications

Thickness and weight for every build and cover, searchable, with each belt's printable datasheet a tap away.

bostonrubbers.com/catalogue

Numbers we print, because we measure them.

Specimens cut from each production run are tested in our laboratory, and the certificate with every supply reports the results against the grade's limits.

17 / 24

MPa tensile

Cover pulled to break: 17 for N17, 24 for M24

400 / 450

% elongation

How far the cover stretches before it breaks

≤ 90

mm³ abrasion

Volume lost on the drum by our W grade

≥ 3.5

N/mm adhesion

Force to peel ply from ply, minimum

100%

of rated kN/m

The whole belt pulled to its rating and beyond

± 5

Shore A hardness

Held within five points of the declared value

Ratings, 200 to 1250 kN/m

Breaking strength per metre of width, and the plies each is built in. Red bars on order.

200		2 ply
250		2 or 3 ply
315		2 or 3 ply
400		3 or 4 ply
500		3 or 4 ply
630		3 or 4 ply
800		4 or 5 ply
1000		4 or 5 ply
1250		5 or 6 ply

Widths, 300 to 1600 mm

The standard series to one scale. Red on order; other widths on request.

300		400	
500		600	
650		800	
1000		1200	
1400		1600	



Certified to ISO 9001 in May 2008 by Direct Assessment Services

Name the standard your tender follows and the certificate reports against it, clause by clause. Inspection before dispatch welcome, by you or your third party inspector.

IS 1891

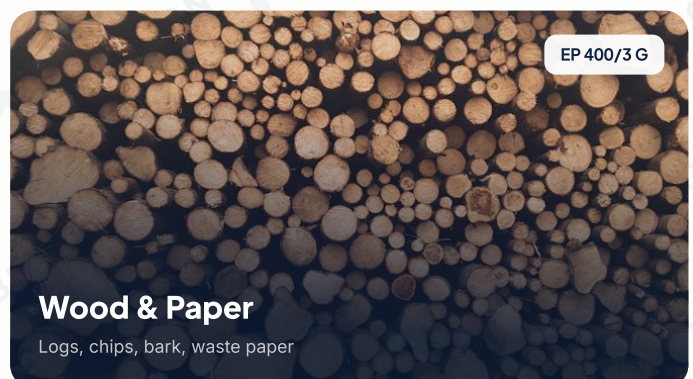
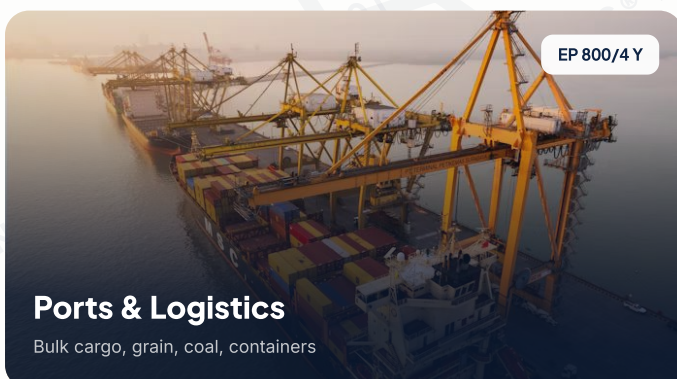
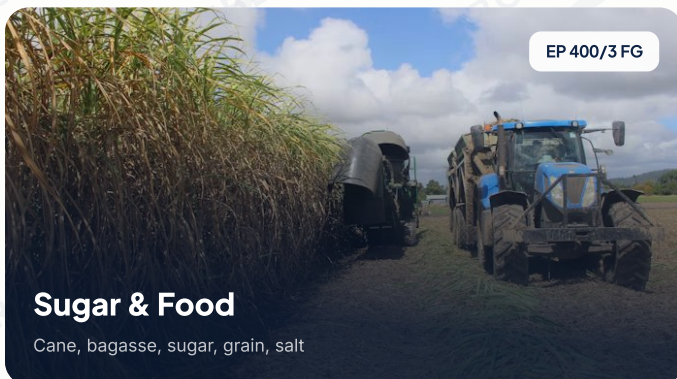
DIN 22102

ISO 14890

ISO 340

WHERE OUR BELTS RUN

Eight industries, one factory behind them.



The chip on each photograph is a belt we typically supply that industry. Your duty decides the exact build — send it, and we will.



SINCE 2008 · JALANDHAR, PUNJAB, INDIA

Talk to the people who make the belt.

Send a designation, an old belt's marking, or just the material and the duty. A written quotation with datasheets comes back, usually the same working day.



WhatsApp the factory

Scan to open a chat with the works, on +91 92161 81222



Every document & datasheet

Catalogue, charts, care guide and this brochure, always current

+91 92161 81222 · +91 98881 27788

info@bostonrubbers.com

bostonrubbers.com

63 Sunder Vihar, Waryana Industrial Complex, Jalandhar, Punjab 144002, India