

BETTER WAYS TO GET HIGH

MAXX ELEV[®]
Steep Incline Belts



Introduction

Oriental Rubber Industries has truly become a ONE-STOP-SHOP for all the conveyor belting needs. The introduction of MAXX ELEV® corrugated sidewall belts is one of the biggest developments in the conveying of bulk material at steep inclinations. Our devotion to innovation is second to none. We make sure that our product is top rate which with the help of rigorous quality checks, continuous improvements and customer focus helps us remain one step ahead of the competition every time. Oriental strives hard to provide not just a world-class product but a meticulous and an integrated solution.

Why MAXX ELEV® Steep Incline Belts?

- Belts work especially well where the space is a constraint, since they are able to carry material even at 90° angle. Hence the space is effectively utilized.
- Rollback of the material is eliminated and hence the concept of angle of repose becomes redundant.
- No spillage of the material since the material is held between the sidewalls and the cleat.
- Enough lateral stability to hold the cleats and material in place during climb and excellent longitudinal flexibility to hold the sidewall in place when the belt goes over the pulley.
- Different feed and discharge directions are possible by rotating the vertical runs.

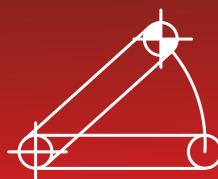
Material Handled

- Pellets
- Stone Aggregates
- Limestone
- Wood Chips
- Scrap Handling

Typical Application Profile



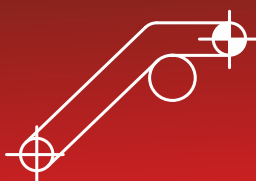
Horizontal



Straight Inclined



L'inverted



Inclined + Horizontal



'S' Shape

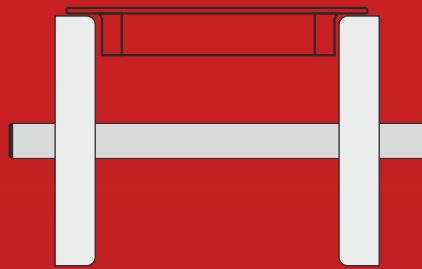


'S' Vertical Shape

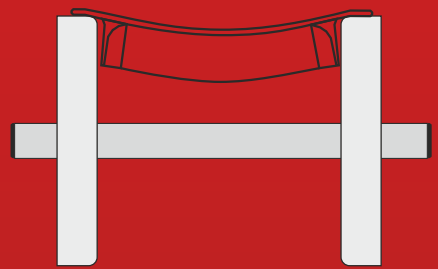
Cross Rigid Belt

Cross Rigid Belt is designed to bend efficiently in a longitudinal direction and has greater rigidity in a transverse direction. The utilization of reinforced fabrics with mono filament creates a fabric carcass of high tension which is designed to take a sharp upturn in spite of a heavy cleat and corrugated sidewall. They remain transversely rigid but remain longitudinally flexible to wrap around the pulleys. Mono filament cross members can be added to the standard conveyor belt fabric to increase the cross belt rigidity.

CROSS-RIGID BELTING



CONVENTIONAL BELTING



The increased rigidity prevents the belt from bowing or sagging during operation when the tension is caused due to changes in horizontal/vertical direction. Cross Rigid Belts resist the side-to-side flexing normally found in conventional conveyor belting, while maintains the flexibility to allow normal movement around standard pulley diameters.



Type - OSM:

Cross-stable ply in the tensioning ply (medium duty)

Type - OSM + 2:

Cross-stable ply & tensioning plies are separate
(belt has 2-cross-stable plies)



Type - OSM + 2ST :

Textile plies with steel cord cross-stable members

Type - OSMSC + 2ST:

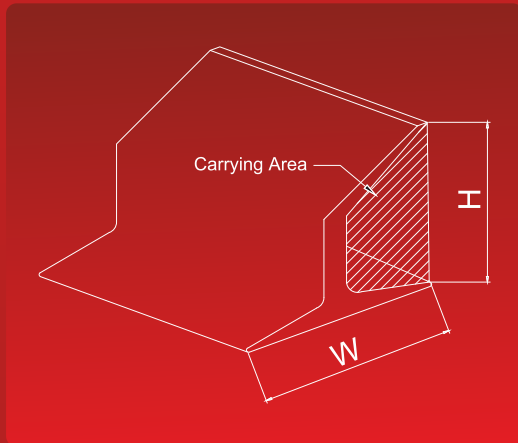
Steel cord tensioning with steel cord cross-stable members



Cleat

- Cleats have been specifically designed to give optimum performance.
- TC-type cleats offer best conveying capacities along with excellent self-cleaning properties.
- They give the best shape retention even while conveying high-density materials.

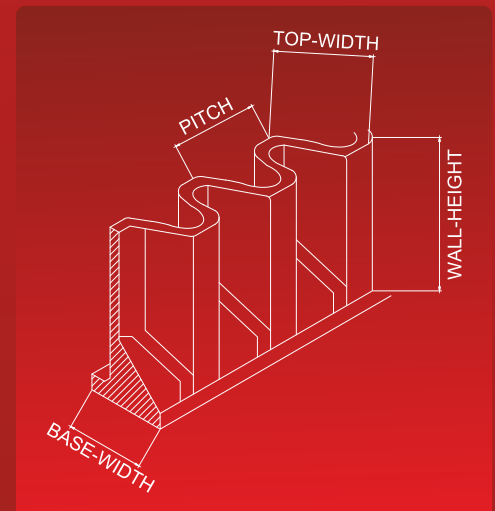
Oriental Product Range (Cleat)



TYPE	Height mm	Base Width mm	Production Length	Weight kg/M
TC110	110	110	1000	3.66
TC140	140	145	1000	4.72
TC220	220	180	1000	10.26

SIDE WALL

- The sidewall design ensures maximum flexing without fatigue, the profile has excellent vertical stability for load retention & return side support.
- Sidewall can be pressed from both sides when mounting, which offers high bond strength and security.
- Fabric insertion is of diagonal type which gives excellent tear resistance and also allows the side wall to flex more easily.

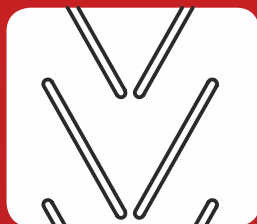


TYPE	Height mm	Base-width mm	Top-width mm	Pitch mm
S150MI	40	50	44	43.5
	50	50	44	43.5
	60	50	44	43.5
	80	50	44	43.5
S150MI	90	50	44	43.5
	100	50	43.5	56.5
	120	50	43.5	56.5
	140	50	43.5	56.5

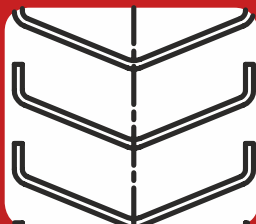
TYPE	Height mm	Base-width mm	Top-width mm	Pitch mm
S200	140	75	70	60.4
	160	75	70	60.4
	180	75	70	60.4
	200	75	70	60.4
S320	220	75	70	60.4
	240	75	70	60.4
	260	75	70	60.4
	280	75	70	60.4
	300	75	70	60.4
	320	75	70	60.4

MAXX ELEV®

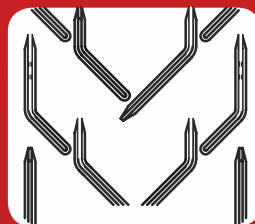
Chevron Profiles



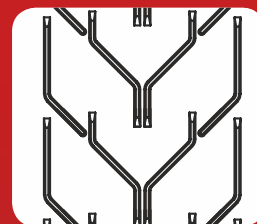
C 15



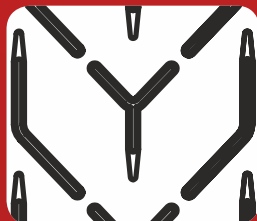
V 59



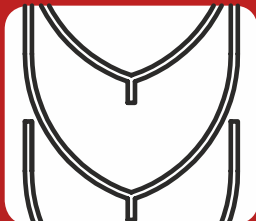
H-46 Profile



L-30 Profile



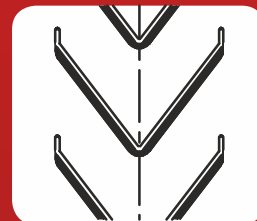
Y Profile



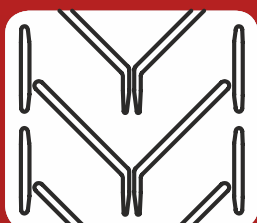
Fish Bone Profile



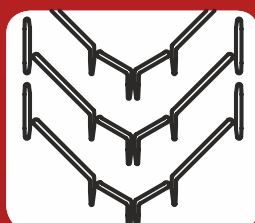
Multi-V Cleat



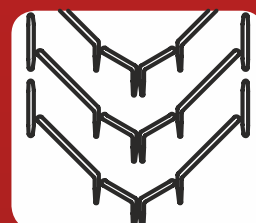
Salt Profile Belt



OV 530



OV 820



OV 1110

Product Characteristics:

Common Widths	: 600mm to 2000mm
Belt Length Range	: C15 & L Profiles: upto 160 M H & OV Profiles: upto 120 M Multi V Profile: upto 200 M
Carcass Variety Available	: EP
Common Belt Rating	: 200 to 800 KN/M
No. of Plies	: 2 ply to 4 ply
Rubber Cover Grades	: M24, DIN-X, Y, HAR, SAR, HR, OR; special belts on request
Rubber Covers Thickness	: Min. 3.0 mm top and 1.5 mm bottom or Bare back
Rubber	: Black
Surface Finish	: Cleat on top Covers only
Edge	: Cut Edge or Molded Edge
Splicing Method	: Hot / Cold splice joint / Mechanical splice
Packing Available in	: Palletised Packing

For more information on detailed specifications, contact us.

Industries Served



Steel



Foundry



Recycling



Mining



Oriental Rubber Industries Pvt. Ltd.

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