ACCORD PREMIER CONVEYORS & CO.

CHEVRON CONVEYOR BELT

TECHNICAL SPECIFICATIONS

(As per DIN 22102 / ISO 15236 / Custom Chevron Profile Designs)

1. COVER RUBBER PROPERTIES

PROPERTY	SPECIFICATION	TEST METHOD
Grade	M24 / N17 / OR / HR / FR	IS 1891 / ISO 22102
Tensile Strength	≥ 18 MPa (M24 Base)	ISO 37 / ASTM D412
Elongation at Break	≥ 400%	ISO 37 / ASTM D412
Abrasion Resistance	≤ 90 mm^3 (M24) ≤ 150 mm^3 (N17)	DIN 4649 / DIN 4649
Hardness	60 ± 5 Shore A	ISO 868 / ASTM D2240

Rubber Composition: High-tensile synthetic/natural blend + cleated top pattern. In-house compounding.

2. CARCASS STRUCTURE

PARAMETER	SPECIFICATION
Fabric Type	EP (Polyester-Nylon) / NN (Nylon-Nylon)
Fabric Designation	EP 125 to EP 500 / NN 125 to NN 350
Ply Construction	2 to client specs
Warp (Longitudinal)	Polyester
Weft (Transverse)	Nylon
Breaking Strength (Belt)	200 kN/m to 800 kN
Adhesion Strength	≥ 3.2 kN/m (between plies) ≥ 2.2 kN/m (cover-ply)

3. COVER THICKNESS OPTIONS

LAYER	RANGE
Top Cover	3 mm to client specs (excluding cleat height)
Bottom Cover	2 mm to client specs
Cleat Height	6mm to 32 mm (V / C / Y / multi-V patterns)
Cleat Pitch	Custom based on material flow and incline angle

4. DIMENSIONS & DESIGN

PARAMETER	SPECIFICATION
Belt Widths	400 mm to 1600 mm
Belt Length	Up to 300 meters per roll

Belt Thickness	8 mm to 16 mm (excl. cleat height)
Edge Type	Cut / Moulded
Chevron Types	Open V, Closed V, Multi-V, C-Shape, Y-Shape

5. PERFORMANCE PARAMETERS

PARAMETER	SPECIFICATION
Inclination Handling	Up to 40° - Depending on cleat Design
Material Grip	High – prevents rollback on inclines
Impact Resistance	Very Good
Wear Resistance	High (abrasion grade dependent)
Cleaning & Spillage	Open cleat Design helps minimize spillage
Tracking Stability	Very Good

6. APPLICATION AREAS

- Sand, Aggregate, & stone transport on incline.
- Coal, mineral ores, and cement transport systems.
- Mobile crushers, screening units, and construction machinery.
- Fertilizer, grain, & sugar factories requiring lift.

7. MANUFACTURING & QUALITY

ASPECT	DETAILS
Standards Followed	DIN 22102, ISO 15236, IS 1891 (where applicable)
Customization	Cleat Height, pitch, angle, cover grade, ply strength
Quality Testing	Cleat adhesion, flex testing, abrasion resistance
Delivery Format	Pre-profiled rolls wit cleats, ready-to-fit