



STRAIGHT WARP CONVEYOR BELTS

INDUS SUPER SPINE is the world standard in heavy-duty industrial conveyor belts. Its innovative, straight-warp carcass construction surpasses traditional multi-ply conveyor belts in virtually every respect, creating a belt that has outstanding operational performance over a long life span. A single INDUS SUPER SPINE ply matches the strength of several traditional multi-ply layers.

The straight polyester (E) warp threads lie in the direction of belt travel, as do the polyamide (P) weft threads. Both are joined together by an additional binder yarn made of polyamide (P). The strands are completely straight in both directions and are therefore not intertwined unlike traditional woven carcasses. This results in maximum protection of the warp through the weft, with minimal stretch, both lengthwise and crosswise. As there are no multiple plies, the result is a lightweight belt.

- BENEFITS OF INDUS SUPER SPINE:**
- Impact resistant
 - Strong adhesion
 - Good flexibility
 - Light weight
 - Stable working tension
 - Excellent troughing
 - Lower thickness
 - Low elongation
 - Longer roll length



Superior Impact Resistance:

When compared to conventional multiply conveyor belts with a similar tensile strength, INDUS SUPER SPINE stands out with its superior impact resistance. The maximum impact energy of a single ply INDUS SUPER SPINE type 630/1 is comparable to that of a 4-ply EP belt type 1600/4.

Superior Rip Resistance:

INDUS SUPER SPINE has a rip resistance that is more than four times greater than conventional multiply conveyor belts that have a similar tensile strength. The rip resistance is not only superior in relation to the multiply EP Conveyor Belts, but also when compared to Solid Woven.

Superior Tear Resistance:

The tear resistance of INDUS SUPER SPINE also leaves conventional multiply conveyor belts with a comparable tensile strength far behind. The tear resistance is measured according to the international ISO 505 standard.

Lower Belt Weight:

When compared with the conveyor belts having the same grade of the tensile strength, the Straight Warp belt provides 5% to 20% lesser weight leading to power saving. INDUS SUPER SPINE is an extremely cost-effective solution. A lighter belt type can be used in many applications due to its excellent operational characteristics and finger splice efficiency. The combination of these factors has been proven to result in exceptionally low operating costs per ton.

Lower Belt Thickness:

The carcass thickness of both INDUS SUPER SPINE 1 Ply & 2 Ply is similar or smaller than those of comparable multiply EP conveyor belts from INDUS. For example, the INDUS SUPER SPINE 630/1 carcass has a thickness of 3.2 mm, compared to 5.0 mm for the EP 630/4. As a result, the required drum diameter may be smaller in some cases.

PRODUCT FEATURES

Standard Widths	500mm (20") to 2200mm (86")
Type of Fabric	1 or 2 Straight Warp (SW) Plies (Indus recommend use of MIT SW Fabric)
Standard Belt Rating	400/1, 500/1, 630/1, 800/1, 800/2, 1000/2, 1200/2, 1600/2 (228 PIW to 914 PIW)
No. of Ply's	1 Ply to 2 Ply
Rubber Cover Thickness	Top Cover : Min 4mm (1/6") Bottom Cover : Min 3mm (1/8")
Colour	Black
Edge	Cut Edge / Moduled Aged
Splicing Method	Hot / Cold / Mechanical
Cover Grades	Available in General Purpose Impact & Abrasion Resistant(M24, DIN-X, Y,HAR,SAR),Oil Resistant(OR), Heat Resistant(HR) ,Fire Resistant (FR)grades and combinations available on request.
Single Roll length	Standard Length : 300 meters (1000') Up to 1000 meters (3300') depending upon total belt thickness
Standard Packing	Wrapping in HDPE sheets with Strapping. (Wooden Crate / Metal Crate packing is available on request)
Belt Identification Number	A unique BIN (Belt Identification Number) at every 10 meters (33')

*Specifications are subject to change without notice.