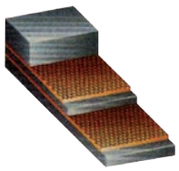
STRONGER • SAFER • FLEXIBLE • DURABLE

TunnelMax

CONVEYOR BELT

COBRA

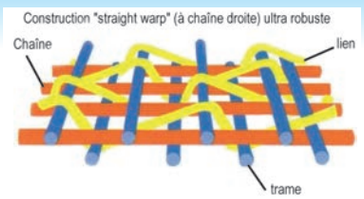


TunnelMax - Textile straight-warp conveyor belt

Application

The TunnelMax belt has excellent properties of resistance to tearing and resistance to heavy impacts. Because the carcase is thin, TunnelMax can also be used with smaller pulley diameters than textile plied or steel-cord belts. Ability of TunnelMax to trough is much better than a plied conveyor belt. TunnelMax can also be joined with mechanical fasteners. TunnelMax is therefore utilised on heavy duty conveyors where resistance to the effects of heavy impacts and resistance to tearing are important characteristics, typically seen in quarrying, open cast mining and steel industries... or in applications where heavy-duty and yet narrow belts are required, such as in tunnelling.

Construction



TunnelMax is a textile belt «straight- warp « which means with a carcass composed of one or two plies , each ply is with straight warp, protected on both top and bottom sides by weft lines in textile as shown in the drawing below cons .The straight warp is composed of thick twisted (textile cables) in polyester . This warp is inserted between two planes of weft textile made of thick twisted in polyamide . The warp and the weft are connected by a small fin e wire which ensures the maintenance of textile
The carcass frame thus constructed is adhered RFL and may be coated of different types of rubber cover, anti- abrasive (X , Y , SH , etc ...) and other.

- for a given ply , for average tensile strength greater than 800 N/mm, it is necessary to have two levels of warp , and therefore three levels of weft protecting the warp and the binding of the assembly.
- For high resistance, it is preferable to use 2 plies straight- warp , separated by an interply in rubber to facilitate splicing .

Tensile strength

400 PIW in 1 ply to 1600 PIW in 2 ply
2200 PIW 1 ply in Aramid

Belt joining

Tunnelax conveyor belts are normally jointed by hot vulcanising (ref. to DEPREUX splicing procedure). It is also possible to mechanically fasten TunnelMax belts but you should consult with our technical representative for the appropriate type of fastener.

Belt structure

Straitwarp belt manufactued with nylon polyester yarns or high strength Aramid manufactured with Aramid yarns.
Thicknesses and weights for different specifications, please contact us.

Description of product

TunnelMax has been designed specificly for tunnel projects and has been used all over the world
More then 500 miles of TunnelMax sold to remove muck from underground tunnels around the world