

BeltTS

Belt Technical Specialties

Wear belts

BELTS FOR HBF PLANTS PROTECTION AND VACUUM SEALING.

Each horizontal belt filter (HBF) is equipped with wear belts aiming to protect the drainage belt (the most expensive part of the plant) from wearing due to friction with vacuum box surface. They also act as sealing against vacuum loss.

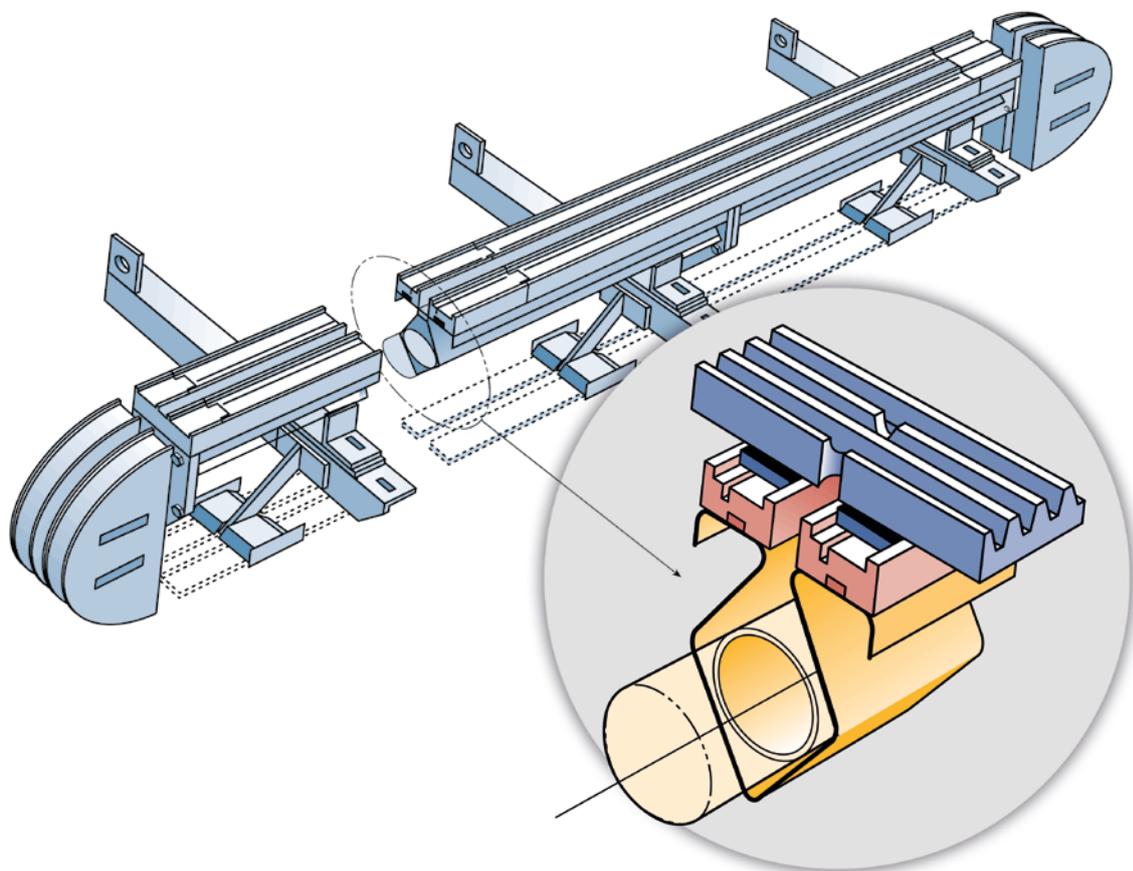
The wear belts are produced with sliding textile fabrics one side has low friction coefficient in order to ensure an optimal sliding in containment areas; they are also characterized by low percentage of elongation during working process.



Wear belts mounted on a vacuum box - FLSMIDTH Italy courtesy

In order to grant a long lasting BeltTS uses the best quality rubber compounds with abrasion and chemical resistance.

The quality of the rubber grants a constant friction with the rubber belt so that any possible slippage is avoided and vacuum action is more powerful



customizing your needs.

TECHNICAL SPECIFICATIONS OF WEAR BELTS

Resistance rate (*)	Total thickness mm	Width mm	Compound (**)
250/1	20	180	SBR-NR-CN-EDPM
400/3	7	From 20 to 57	SBR-NR-CN-EDPM
500/4	8-10	From 20 to 57	SBR-NR-CN-EDPM
630/3	8-10	From 20 to 57	SBR-NR-CN-EDPM
630/4	8-10	From 20 to 57	SBR-NR-CN-EDPM
800/3	8-10	From 20 to 57	SBR-NR-CN-EDPM

(*) polyester/polyamide fabrics EDPM= Ethylene propilene rubber
 (**) SBR= Styrene butadiene rubber Other compounds available upon request (Nitrile, Mor, White FDA,...)
 NR= Natural rubber
 CN= Chloroprene rubber

We adopt a particular manufacturing method in order to avoid fraying of warp threads of which the fabrics of textile core are made, preventing possible obstructions on the plant. Wear belts can be supplied both in open rolls and already spliced to the final required endless dimensions by hot vulcanization.

We can also produce further structures with different rubber compounds upon request



Wear belts lateral side



Wear belts section before sealing on both sides



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