

Optibelt elastic ribbed belts ERB

No retensioning required – longer maintenance intervals – optimum absorption of drive vibrations

Recently, some conveyor belt systems have been equipped with elastic ribbed belts of the model Optibelt ERB. Those belts keep the single rolls moving and do not need any retensioning in continuous industrial operation. Thus, they are virtually maintenance-free. For this reason, elastic ribbed belts are now also deployed in transport technology.

The advantages are more than obvious: “Standard non-elastic ribbed belts require some running in and need to be retensioned,” Stefan Correnz, project manager of the sector household appliances within the Optibelt Power Transmission Group, explains. “Our elastic ribbed V-belts gain the required tension due to a higher basic tension and the systematic settling characteristics of the belts. Thus, retensioning can be omitted.”

The Optibelt ribbed belts offer many advantages for end users as well, like manufacturing companies that use conveyor belts as a means of conveyance in the repository: Thanks to the belt, the vibrations of the drive are better absorbed, resulting in a smoothly running, extremely low-vibration roller drive. This leads to a minimised wear of the components and extends the operational life of the individual roller bearings. On the other hand, less vibration means less noise and thus improved working conditions.

Given these obvious advantages for users and manufacturers, there is only one definite goal concerning the optimisation of many conveyor belt drives: the changeover from round section belts and timing belts to elastic ribbed belts made by Optibelt.

