



Maximum performance due to stability and wear resistance

New grooved stainless steel roll cover – G-Flex

To supplement its already very comprehensive portfolio of possible roll covers, Voith Paper has developed a grooved stainless steel roll cover – G-Flex. G-Flex provides for stable drainage and together with the extremely high wear resistance this results in long running time intervals and high economic efficiency.

Voith Paper sees itself as a process and system provider for the paper industry. In order to optimize the performance of the press section, along with high-performance functional rolls, such as in the NipcoFlex shoe press, there are also fabrics specially coordinated to the grade and the drainage rate. Another essential component of optimization is also, of course, the selection of suitable roll covers.

The G-Flex cover is manufactured by winding a molded stainless steel wire onto a roll shell under great tension and contact forces. The wound square wire is produced with high precision by means of cold rolls and, due to its material composition, has excellent corrosion resistance. Through this one obtains a grooved roll cover with very high dimensional stability and the highest wear resistance. This press roll cover meets the requirements of the most demanding press positions with the highest dynamic loads.

The new G-Flex roll cover can be used on crown-controlled rolls, press rolls with multi-nip zone control, such as NipcoF, solid press rolls or backing rolls of shoe presses, such as the NipcoP roll. The use of G-Flex is not limited to just Voith Paper press rolls, but can also be used on press rolls of other manufacturers.

Due to the high wear resistance of G-Flex, long grinding intervals for optimizing the efficiency of a paper machine can be assured. At the same time, there is maximum resistance regarding doctoring and high pressure spray pipes and resistance against all chemicals used in the paper production process. Optionally, the wear resistance can be increased even further by applying a CeraVent hard metal cover.

The main advantage of the G-Flex cover is the retention of its storage volume and its open area even with the highest linear loads, thus guaran-

teeing stable drainage. In addition, there is the high wear resistance of the G-Flex cover. These two advantages guarantee long running-time intervals and high economic efficiency.

Within a short time, Voith Paper has received a considerable number of orders for various reference machines with DuoCentri, Single or Tandem NipcoFlex press sections. This shows the flexibility of this roll cover, which can be used for practically all press concepts.

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