

## CONCEPT AND METHOD OF FUNCTIONING

Because of the good sliding properties carbon spindle packings are used as bearing and sliding elements. Notable properties of carbon and graphite materials are chemical resistance, good sliding and dry running properties, low coefficient of friction and good heat transfer properties. In addition these seals are characterized by unique thermo-shock behavior, excellent dimensional stability and very high resistance to fatigue failure.

## APPLICATIONS

Carbon spindle packings are used where other materials are not suitable due to the possibility of high corrosion occurring or where the temperature is outside the temperature range allowed for lubrication oils. In addition, they are used in applications where the materials are rinsed with materials which dissolve grease or where liquids without any lubricating properties such as water or petrol are pumped. The main application areas are for bearing or sliding elements for dry running in dryers for plaster, or plaster board, vane pumps, and air compressors as well as for lead vane adjustment of turbo compressors. For wet running applications carbon spindle packings are used mainly in industrial pumps, galvanizing plants, and industrial washing plants. Similarly carbon spindle packings are used in the automobile industry, and in reactors and off shore technology.

## APPLICATION RANGE

Material:	<b>A10K</b>
Operating temperature:	max. 500 °C
Circumferential velocity:	max. 150 m/s
Shaft diameter:	20...100 mm

## SCOPE OF DELIVERY

Carbon sleeve to customer specification

