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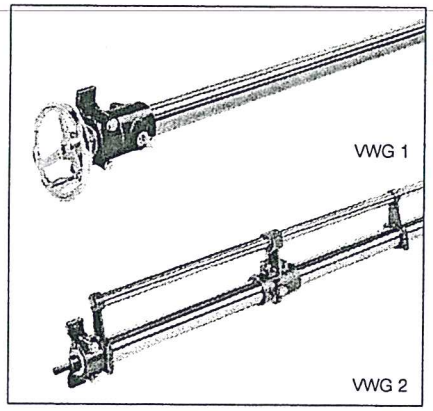
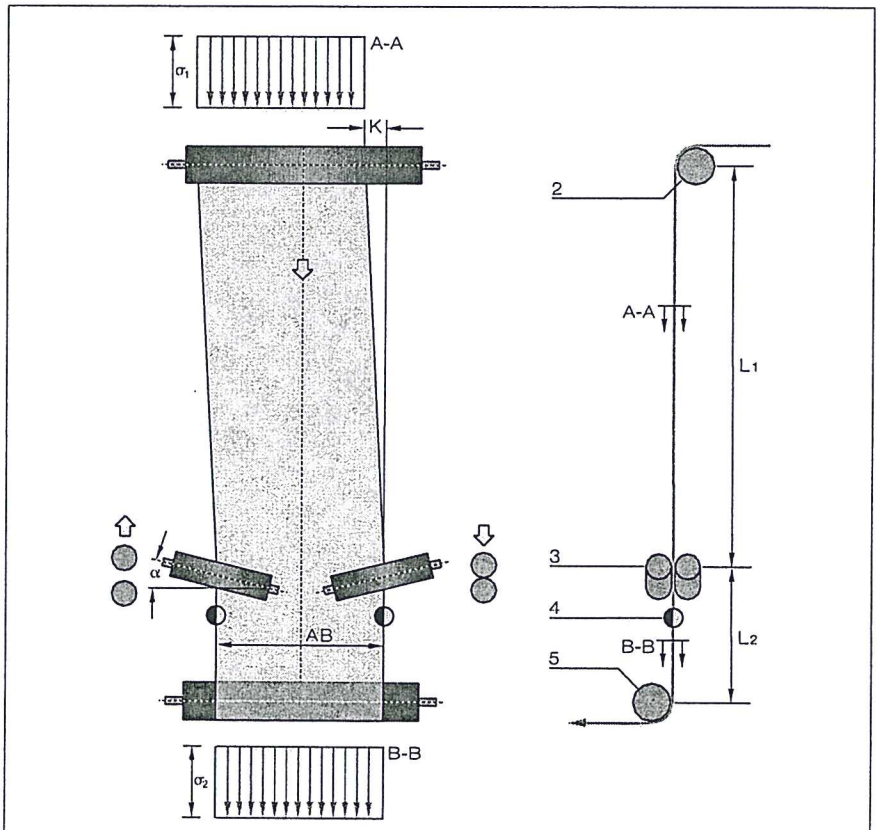
Function
A web guider is located at each web edge so that the web runs between the two rollers. According to th signals of a 2-position controller, the bottom roller (control roller) presses the web against the top roller via a diaphragm cylinder. A shearing force is created by the tilting of the rollers thus drawing the web into the correct position.

Pneumatic connection
The compressed air is supplied via the NT maintence unit with a pressure controller and manometer.

Positioning systems
These are used to accommodate and position web guiders. VWG support beams are available with symmetrical or individual adjustment of both sides, in 2 variants:
- positioning by handwheel
- positioning by push button

Support beam VWG 1 is used as standard to manually position the KF 2020. The VWG 2 series, in a reinforced version, is the basis for a motor-driven adjustment of the web guider. Due to the selection of different materials and surface coatings, implementation in all common textile finishing processes is possible.





Guiding geometry and longitudinal tension distribution

A-A	Web tension distribution at infeed	L1	Entry path
B-B	Web tension distribution at outfeed	L2	Exit path
K	Web travel correction	2	Infeed roller/rod
α	Correction angle 13°	3	Web guider
σ1	Basic web tension at infeed	4	Sensor
σ2	Web tension at outfeed	5	Locking roller
AB	Operational width		

Technical data KF 2020

Guiding precision	± 1 mm
Web type	woven webs
Web condition	dry, damp (water-extracted), wet (neutral)
Web width with roller length 280 mm with roller length 400 mm	 650 to 3500 mm 900 to 4500 mm
Web speed	approx. max. 200 m/min (depending on the typ of web handled)
Web weight	approx. max. 500 g/m²
Ambient temperature	0 to 80 °C
Control pressure / works setting	0.5 to max. 2 bar / 1 bar
Compressed air consumption	approx. 0.6 m³/h per pair
Supply voltage (motorized positioning)	3 x 400 V AC, 50/60 Hz
Dimensions W x H x D	467 x 236 x 245 mm