

**SK560 – Weaving machine for heavy technical fabrics**



## The SK560 weaving machine starts where other reach their limit

High fabric tension is getting more important in various fields of technical fabrics. The SK560 easily achieves fabric tensions exceeding those of normal textile weaving machines. The SK560 guarantees absolute production safety with the highest quality of fabrics, especially for heavy and dense technical fabrics.





## The optimal weaving machine for technical fabrics

### Machine structure

The frames are designed with integrated cam disks and gears. Mounted in closed housings including recirculating oil lubrication system for the drive components, they offer solid, maintenance free units to cope with high loads.

### Slay drive

The slay drive is effected by double cams arranged in closed machine frames. The special design of the slay system enables the beat-up at the bottom of the reed. A further advantage of this concept is a small shed and a good relation between basic and beat-up tension.

### Double beat-up

The special cam disks ensure a double beat-up supporting the ability to weave heavy fabrics.

### Main drive

The main drive continuously controlled by a servo motor tunes the weaving machine to the necessary speed. It has an integrated jogging and pick-finding functionality.

### Weft insertion system

The design with a special bar rapier system ensures that the warp yarns are not touched.

### Take-up system

The take-up system is designed to achieve the high fabric tensions. A 3-roll system guides the fabric safely and evenly to the winder. The mesh regulation is working positively by an AC servo motor (master/slave system).



## The main features of the SK560

The SK560 combines performance and quality. The design of the weaving machine enables highest evenness of the fabrics over the entire width. The SK560 is the perfect weaving machine to cope with new challenges.

- Rigid and solid machine structure
- Beat-up at the bottom of the reed
- Small shed
- Double beat
- Free-flying gripper

Weaving width	from 1400 mm to 3000 mm
Loom speed	up to 350/min (depending on the machine configuration)
Basic fabric tension	1500 daN/m
Beat-up tension	2200 daN/m
Slay drive	single or double beat-up
Weft insertion system	contactless double-sided bar rapier system
Number of weft yarns	4 (optionally 8)
Take-up system	3-roll system controlled by servomotor
Number of heddle frames	up to 20 harnesses with single-sided dobby

## Investment protection by lasting support

The goal of our activity is to increase the productivity of our customers and to increase the lifetime of your machines. Therefore we support you with our customer service also after the start-up of a Jäger system.

### Helpdesk

For general technical questions and repair or maintenance issues, please contact our multilingual helpdesk team by phone or via Internet.

### Field service

For prompt help on the spot, our field service specialists offer expert support worldwide.

### Repair service

Schlatter has its own workshop in which we can carry out repairs and overhauls to your control devices and mechanic components.

### Spare part service

Thanks to our extensive stock and efficient logistics department we can offer you a high availability and fast replacement for machine components.



## A reliable partner in plant construction

The Schlatter group is a world leader in plant manufacturing for resistance welding systems and weaving machines for special applications. With long-standing expertise in industrial engineering, innovative flair and a reliable customer service, the Group listed in Switzerland provides production systems offering high performance and quality.



### Core competence

Schlatter has almost 100 years of expertise in plant construction and customer-oriented solutions. The company enjoys a worldwide presence and has more than 500 dedicated employees. The combination of expertise in welding and systems technology makes Schlatter a reliable partner in plant construction.

### Segment resistance welding

Schlatter has acquired unique experience in the development and production of reinforcing and industrial mesh welding systems, mobile and stationary rail welding machines as well as systems for manufacturing radiators.

### Weaving segment

Under the brand Jäger, the Schlatter Group provides state-of-the-art weaving and finishing machines for the paper machine fabric industry.

### Contact

Professional contacts for sales, technical support, customer service and administration are available worldwide in the Group's companies and at select representatives/agents of the Schlatter Group. You can find the relevant contact details on our Internet site [www.schlattergroup.com](http://www.schlattergroup.com).

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