COMPLETE SPINDLES AND SPINDLE BEARINGS.

WE LIVE TEXTILE.
Saurer Components is a world-leading supplier of components for filament and staple fiber spinning applications. With its headquarters in Fellbach, Germany, the group has five established brands; Accotex, Daytex, FibreVision, Temco and Texparts and prides itself on supplying high-quality, reliable component products to the textile industry.

Saurer Components has approximately 1,000 employees world-wide with manufacturing facilities and sales offices in the Americas, Europe and Asia. Via a network of experienced representatives it ensures prompt service and close contact with customers in spinning mills as well as leading machine manufacturers.
Texparts CS Complete Spindles
**Texparts CS Complete Spindles**

**The standard spindles for ring spinning**

Nowadays CS spindles are standard equipment for leading ring spinning machine manufacturers all over the world. Due to their outstanding running behaviour and load capacity, CS spindles are used in a broad range of ring spinning applications and Texparts can deliver a range of top part designs together with the CS spindle bearings. These include aluminium plug top parts with spring loaded or centrifugal tube clutches as well as top parts with Texparts Zero Underwinding systems.

**Demands on modern Spindles**

**High Productivity**
- Highest spindle speeds
- High availability – less machine downtimes
- Suitability for auto doffing

**High Yarn Quality**
- Low vibration level
- Bearing movability without hysteresis
- Equability of all spindles within the machine

**Low Operating Costs**
- Flexible in use
- Low consumption of lubricants
- Low energy consumption
- Long service life
- Robust design for manual doffed applications

**Operator Convenience**
- Easy handling
- Low noise level

**Individual spindles according to the needs of the spinning mill**

For the spare parts market, Texparts can supply the exact spare spindles that correspond to the ring frame manufacturers’ standards. However, the requirements often differ from the manufacturers’ standards, especially in conversion projects. Texparts provides tailor made solutions and bespoke customer service in order to meet the individual demands of each customer.
CS 1 Spindle Bearing

The CS 1 Spindle Bearing is used in short and long staple ring spinning machines. With its outstanding running properties the CS 1 has set the bar high and is the standard spindle bearing of modern ring spinning machines.

**Bearing Type**
- Single Elastic Spindle Bearing
- Neck Bearing dia 6.8 mm
- Bearing Distance 100 mm
- Spindle Speed: up to 25,000 rpm

**Application**
- From fine to coarse yarn applications
  (standard application)

**Tube length**
- 180-260 mm

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**Texparts CS 1 – Reduction of energy consumption**

Power consumption of single spindle bearings*

![Graph showing power consumption vs. spindle speed](image)

* Measurement of single spindle bearings
**CS 1 S Spindle Bearing**

This spindle bearing should be the first choice for highest spinning speeds or deployed if low noise and low vibration levels are required from the ring spinning machine.

**Bearing Type**
- Double Elastic Spindle Bearing
- Neck Bearing dia 6.8 mm
- Bearing Distance 100 mm
- Spindle Speed: up to 30,000 rpm

**Application**
- Fine and medium yarn applications
- Highest production speeds
- Longest operation life
- Low noise and vibration level

**Tube length**
- 180-260 mm

**Comparison between single elastic spindle bearing and double elastic spindle bearing**

**Neck Bearing Forces**

- Important features of the spindle are strongly depending on the neck bearing forces:
  - Noise level
  - Vibration level
  - Life time
  - Energy consumption

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**Graph**

- Conventional single elastic spindle
- Texparts CS 1 S Double Elastic Spindle
CS 21 12 Spindle Bearing

The installation of the CS 21 12 spindle bearing enables spinning mills to gain more flexibility for the future with regards to the yarn count. As market demands are changing continuously, our flexible equipment enables increased competitiveness and the ability to respond flexibly to changing market needs.

**Bearing Type**
- Single Elastic Spindle Bearing
- Neck Bearing dia 7.8 mm
- Bearing Distance 120 mm
- Spindle Speed: up to 22,000 rpm

**Application**
- Coarse yarn applications
- Robust design for manual – and auto-doffed applications

**Tube length**
- up to 280 mm

The stiffness of the CS 21 12 spindles with 7.8 mm neck bearing diameter is more than 40% higher compared to spindles with neck bearing diameter 6.8 mm.