

ærlikon
textile components

CS 1

Complete Spindles

**For maximum productivity
in the ringspinning process**



texparts

CS 1 Complete Spindles

The standard spindle for ringspinning

The CS 1 spindles are today standard for the original equipment of all important ringspinning machine manufacturers all over the world. Due to their outstanding running behaviour and load capacity, the CS 1 spindles are used in a broad range of applications in ringspinning. For this purpose Texparts is ready to deliver all kind of top part designs together with the CS 1 spindle bearings - aluminium plug top parts with spring loaded or centrifugal tube clutches as well as bare blade top parts.





Tailor-made solutions

Individual spindles according to the needs of the spinning mill

For the spare parts market Texparts can supply the spare spindles exactly corresponding to the standards of the ring frame manufacturers. However, the requirements or desires of the responsible people in the spinning mills often differ from the standards, especially in conversion projects. Therefore our representatives are looking forward to advise our customers in order to realize special requirements and find tailor-made solutions.



Texparts supplies individual spindle solutions according to the specific requirements of the spinning mill.

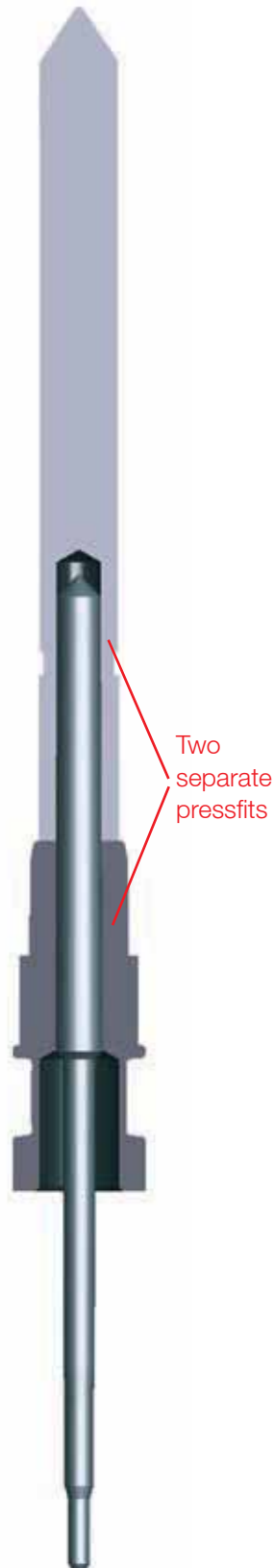


The design of the spindle top part

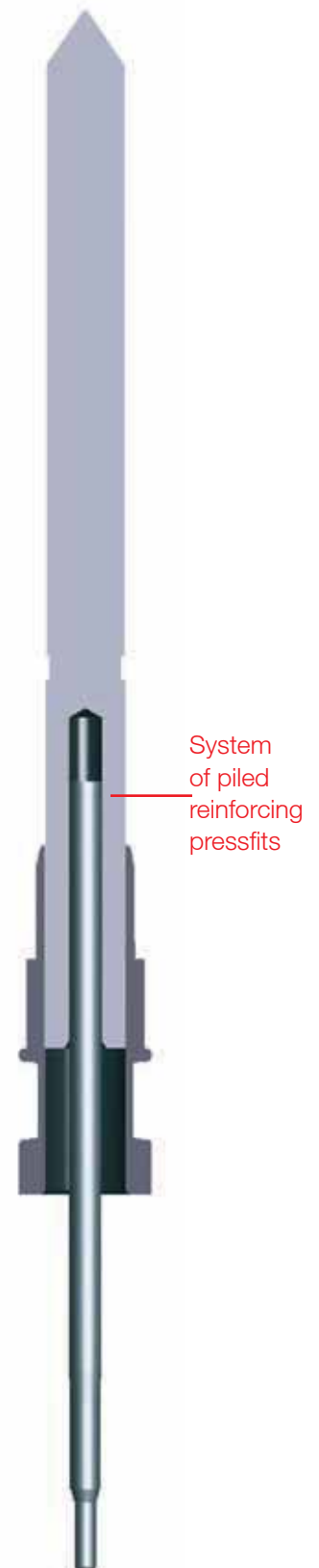
Decisive for optimum yarn production

Besides the manufacturing know-how, undoubtedly the design of a spindle has a determining influence on its running behaviour and load capacity. Therefore the Texparts spindle top parts are designed according to the **Sandwich design**. The stiffness of assembled structures as top parts are determined by the way their pressfits are designed. Texparts has identified this principle and has consequently improved the design of the aluminium plug top parts in order to get a maximum of stiffness. Characteristic for the „Classic top part design“ are the two separated pressfits - both positions at which the top parts can easily be deformed by bending forces. The so called **Sandwich design** however has a system of pressfits which is piled one upon the other. Resulting from this design, the pressfits are reinforced by each other and therefore the overall stiffness of the top part is much higher than with the „Classic top part design“.

Classic design



Sandwich design (Texparts)



Yarncutters and brakes

Matched to your specific requirements

The need for aluminium plug top parts with yarncutters for use in automatic doffed frames is increasing from year to year. Therefore, Texparts is providing a big choice of yarncutters with and without disk knife blades.



Choice of yarncutters

Spindle brakes

You can also choose from various types of spindle brakes according to the specific demands in your spinning mill.



Manufacturing know-how

Based on highest standards of up-to-date manufacturing technologies

According to the Texparts philosophy the spindle top parts are not only carriers for the yarn tubes. We appreciate the top parts as the counterparts of our spindle bearings. With this attitude we have consequently reduced the manufacturing tolerances of all parameters that influence the spindle's running behaviour. All these efforts result in a smooth spindle running with low vibrations, low energy consumption and a long service life of the CS 1 spindles.

We pay the same attention to the production of our top parts as we do to our spindle bearings. Up-to-date turning-, hardening- and grinding technologies for the manufacturing of all components and fully automatic assembling lines for the spindle bearings and the spindle top parts provide security for a consistent high quality level. No matter whether large quantities of standard spindles or small lots of tailor-made spindles have to be produced - one spindle is like the other.



Fully automatic assembly line for spindle bearings in the Texparts production in Fellbach/Germany



Test area within the assembly line for spindle bearings



Fully automatic assembly line for spindle top parts

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