

ALBERT manufactured spindles

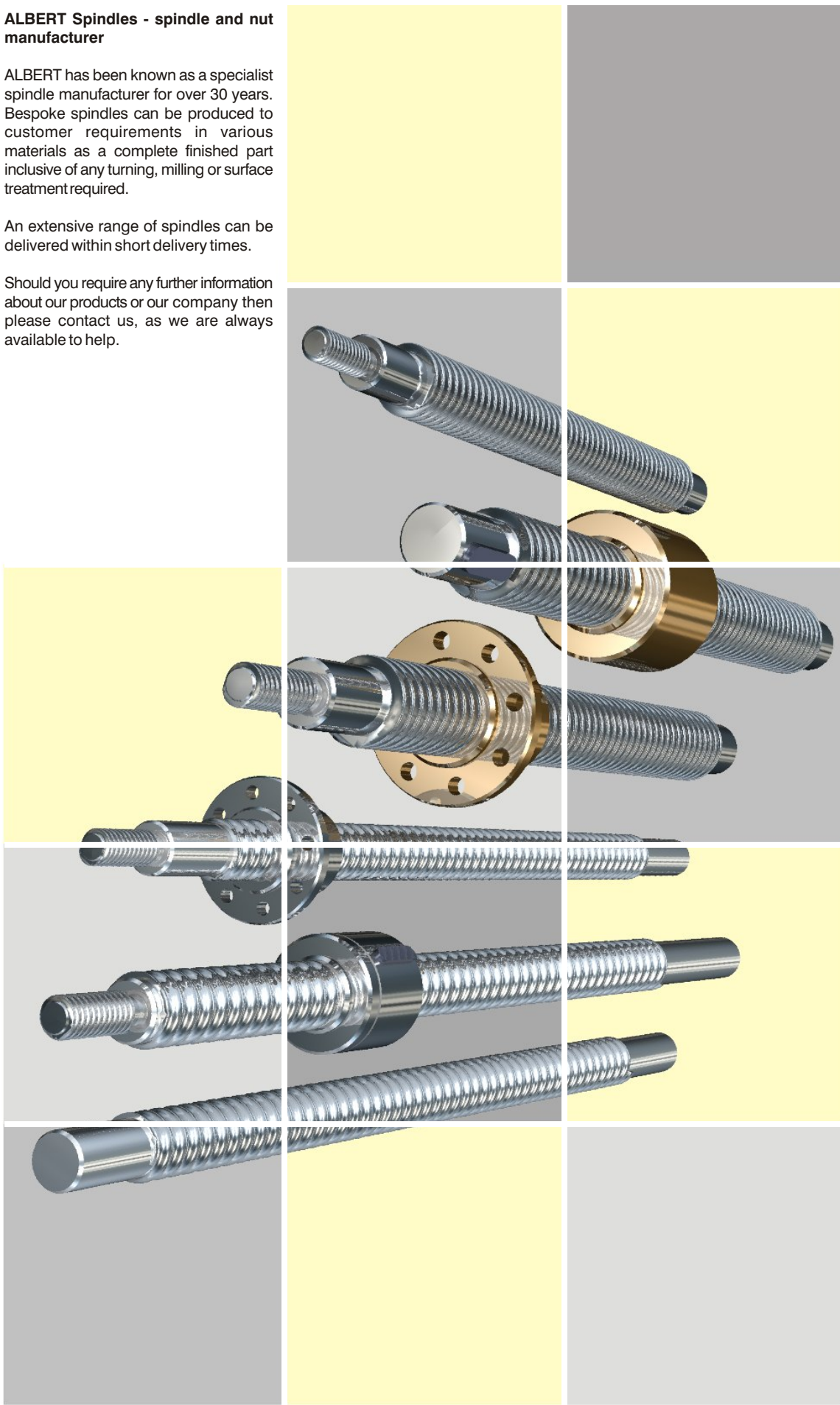
INKOMA-A-GROUP

ALBERT Spindles - spindle and nut manufacturer

ALBERT has been known as a specialist spindle manufacturer for over 30 years. Bespoke spindles can be produced to customer requirements in various materials as a complete finished part inclusive of any turning, milling or surface treatment required.

An extensive range of spindles can be delivered within short delivery times.

Should you require any further information about our products or our company then please contact us, as we are always available to help.



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Versions

The ALBERT trapezoidal/butress thread spindles are manufactured by means of two different methods:

Whirled trapezoidal spindle:

The whirled trapezoidal spindle is manufactured by a multi-point cutting tool rotating at high speed around the spindle and material is removed from the base material in a staggered cutting movement.

Whirling is a more cost effective technique than rolling and the process also allows external diameters to be produced to finished sizes and customised designs to be manufactured.

Machined trapezoidal spindle:

As with the whirled trapezoidal spindle, the machined trapezoidal thread is manufactured by means of a cutting action. However, the cutting tool is in constant contact with the material and does not rotate around the spindle. Spindles with a low lead and short thread length are usually produced in this way.

Whirled butress thread spindle:

Whirled butress thread spindles are manufactured by a multi-point cutting tool rotating at high speed around the spindle and material is removed from the base material in a staggered cutting movement.

(Same method as for whirled trapezoidal spindles)

Butress thread spindles are used for applications with high unilateral axial loads (such as plate levellers or roll straighteners in metal processing)

Technical information

Trapezoidal / butress thread spindles

ALBERT trapezoidal / butress thread spindles are always provided with both the spindle and mating nut.

ALBERT spindles are manufactured to very high levels of accuracy.

The ISO metric trapezoidal thread is manufactured according to DIN 103.

The butress thread is manufactured according to DIN 513.

Standard spindles are manufactured from heat treatable steel, drawn or peeled, h11. The lead tolerance is $\pm 0,1$ mm per 300mm length for a single start right hand thread.

Multi-start or left-handed threads are available upon request.

Thread quality: 7 e

Trapezoidal spindle nuts - standard series



TMZY Cylindrical nut
for applications where space is critical



TMB Trapezoidal flanged nut
for standard applications



TMSK Hexagon nut
for applications where space is critical



TMFLSI Flanged nut with safety nut
allows measurement of the wear in the nut and takes over the load in the event of failure of the nut thread



TMFL Flanged nut
for standard applications

Special design

Special nut designs are possible in accordance with customer requirements. Please enquire.



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