

# INKOMA /ALBERT

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## 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.





## VERSIONS

### **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 buttress thread spindle:**

Whirled buttress 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)

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



# TECHNICAL INFORMATION

## TRAPEZOIDAL / BUTTRESS THREAD SPINDLES

- ALBERT trapezoidal / buttress 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 buttress thread is manufactured according to DIN 513.
- Standard spindles are manufactured from heat treatable steel, drawn or peeled, h11.
- The lead tolerance is  $\pm 0,1\text{mm}$  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
- **TMSK Hexagon nut**  
for applications where space is critical
- **TMFL Flanged nut**  
for standard applications
- **TMB Trapezoidal flanged nut**  
for standard applications
- **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



Request our complete catalogue or visit us on the Internet. You can obtain a free download of our brochure or the product drawing of the selected item using the CADENAS facility.

### SPECIAL DESIGN

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

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