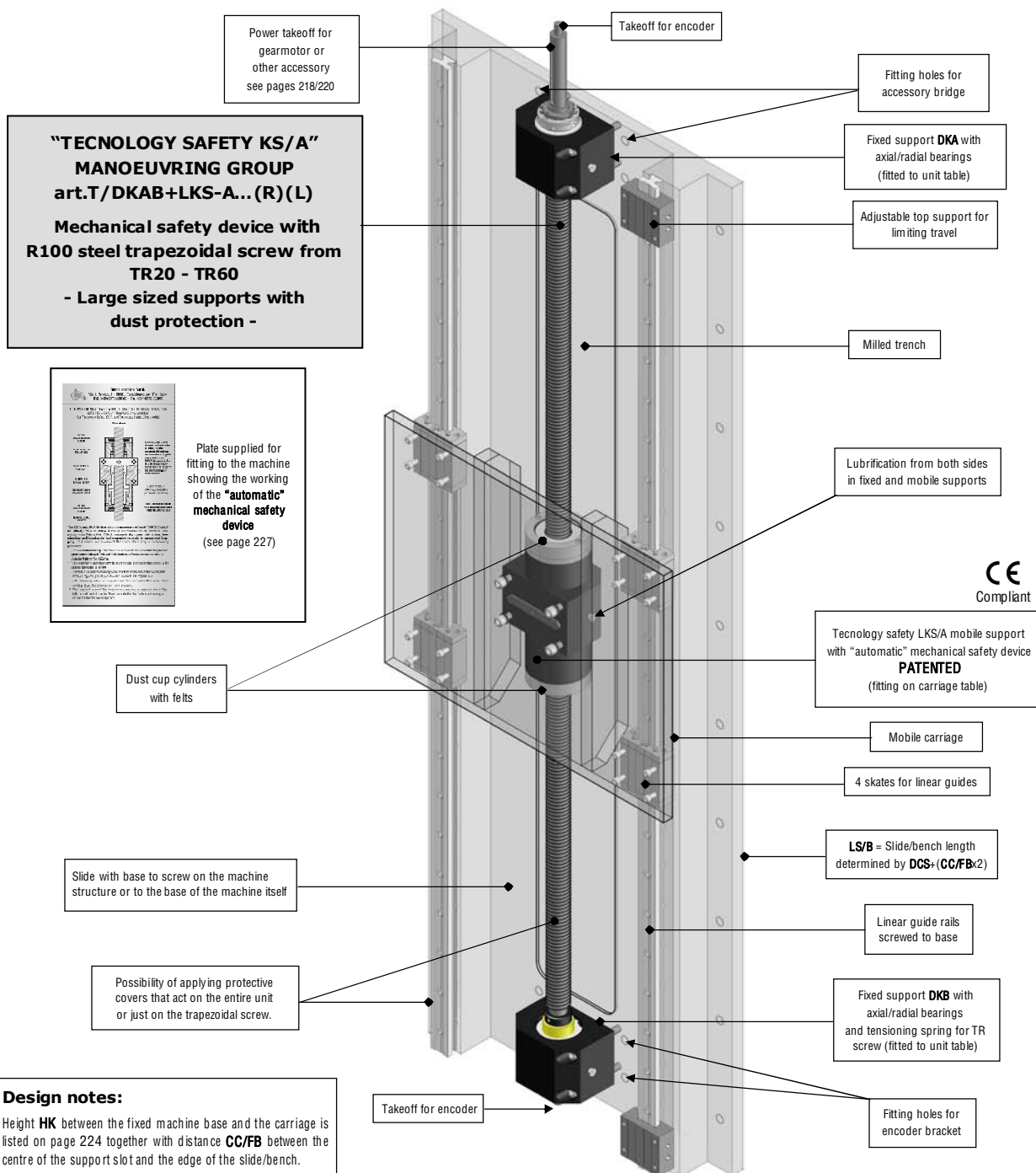


- Indicative diagram of Manoeuvring Unit for vertical use of "Technology Safety KS/A" Group with "single" trapezoidal screw with multiple nuts and "automatic" mechanical safety device used for vertical/oblique applications.
- Group for vertical/oblique use with single trapezoidal screw (does not function with two parallel screws).
The principal quality of this Group consists of the idle rotation of the safety nut the moment the load bearing nuts break. The system using a single screw is certainly the most complete of the range even if, as previously mentioned, it cannot be operated in parallel with an identical Group in that there is no guarantee of the safety nut coming into synchronised action across both Groups.
- Group with large sized supports and dust cup cylinders ready for fitting robber protective covers and complementary accessories on page 265.



Group with right threaded components available from stock; with left threaded components made to order.

The **Technology safety KS/A** device is composed of support and sleeve in steel with two load bearing nuts and one safety nut that comes into action the moment a load bearing nut completely breaks and puts the mechanism in idle mode, **thereby avoiding the sudden fall of the load**. Because of the effect of inertia the load might also descend but in a very slow, safely controlled manner. By sending the complete support to **Bimeccanica** it can be completely overhauled with replacement of all worn parts in compliance with EEC regulations, and as quickly as possible resent to the client to be used again. **For the correct use of this Group we also recommend reading the technical instructions on pages 181 - 183.**

- > For the **art.T/DKAB+LKS-A/B ... (R)(L)** version, with gearmotor mounted below, the type of supports and their arrangement do not change whilst the trapezoidal screw terminals are different and are especially supplied in sizes from TR20 to TR60.
- For the slide itself, normally made from milled iron Fe, steel linear guides are used with skates fitted with recirculating ball bearings ensuring precision sliding of medium and heavy loads on screws from TR20—TR60.

- **TRAPEZOIDAL SCREW MANOEUVRING GROUP mod."TECNOLOGY SAFETY KS/A"- art.T/DKAB+LKS-A ... (R)(L) series 20/60**
- **Steel R100 Trapezoidal screw with maximum length of 100 times its diameter, ready for K supports and mechanical safety device.**

- **Group with large sized supports in nitrided steel with fitting direct to the table with transversal tabs and two load bearing bronze flange nuts. Mechanical safety device with dust cup cylinders in the mobile support and conical roller bearings in the fixed supports.**

- > The "Technology KS/A" mod.T/DKAB+LKS-A Group is ideal for the **movement of heavy loads vertically/obliquely in safety** as it is fitted with **double load bearing nuts** and a **mechanical safety system** that at the moment of the total destruction of the threads of the load bearing nuts allows the interruption of travel by means of a safety nut that turns freely (idle nut), thereby avoiding the sudden fall of the load. Thanks to the notable dimensions of the supports and components the **Tecnology safety KS/A** Group can be considered as the ideal solution for moving heavy loads with the use of long R100 steel screws with cylindrical shanks (carrying is 25% superior to the Compact/Excellent Groups). **Please remember that this Group can only be used with a single trapezoidal screw.**

An illustration of the "Safety KS/A and JS/A" safety system is shown on page 227 together with the information plate supplied for fitting to the machine.

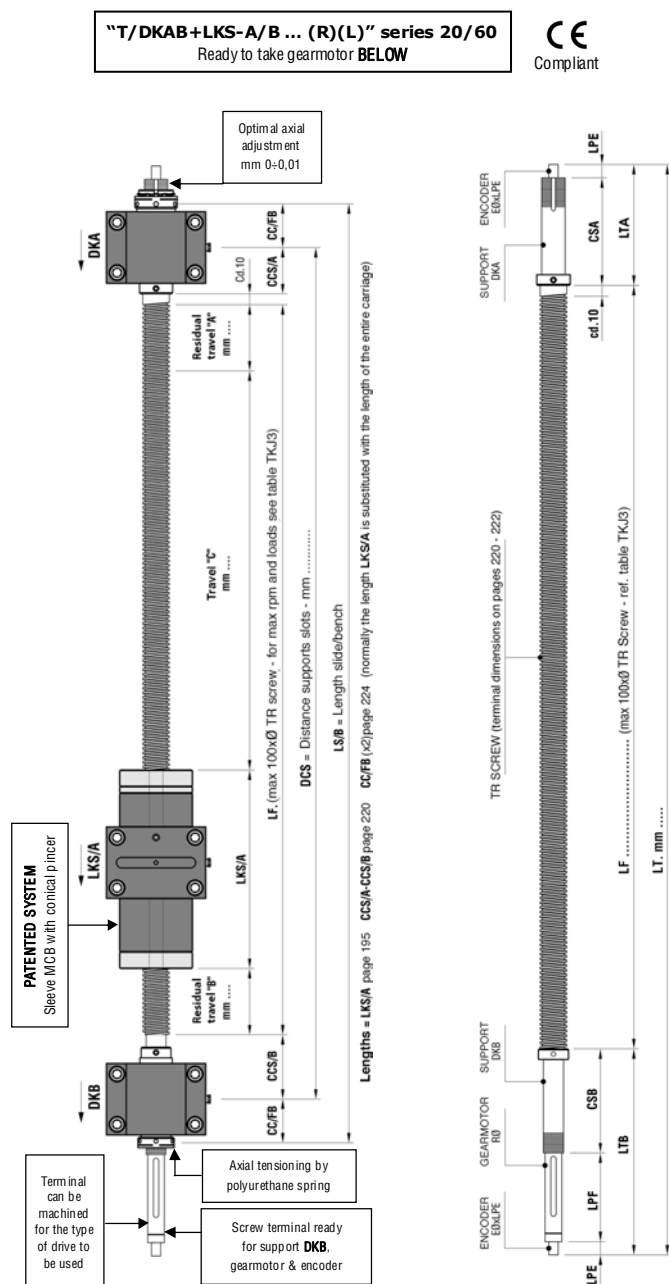
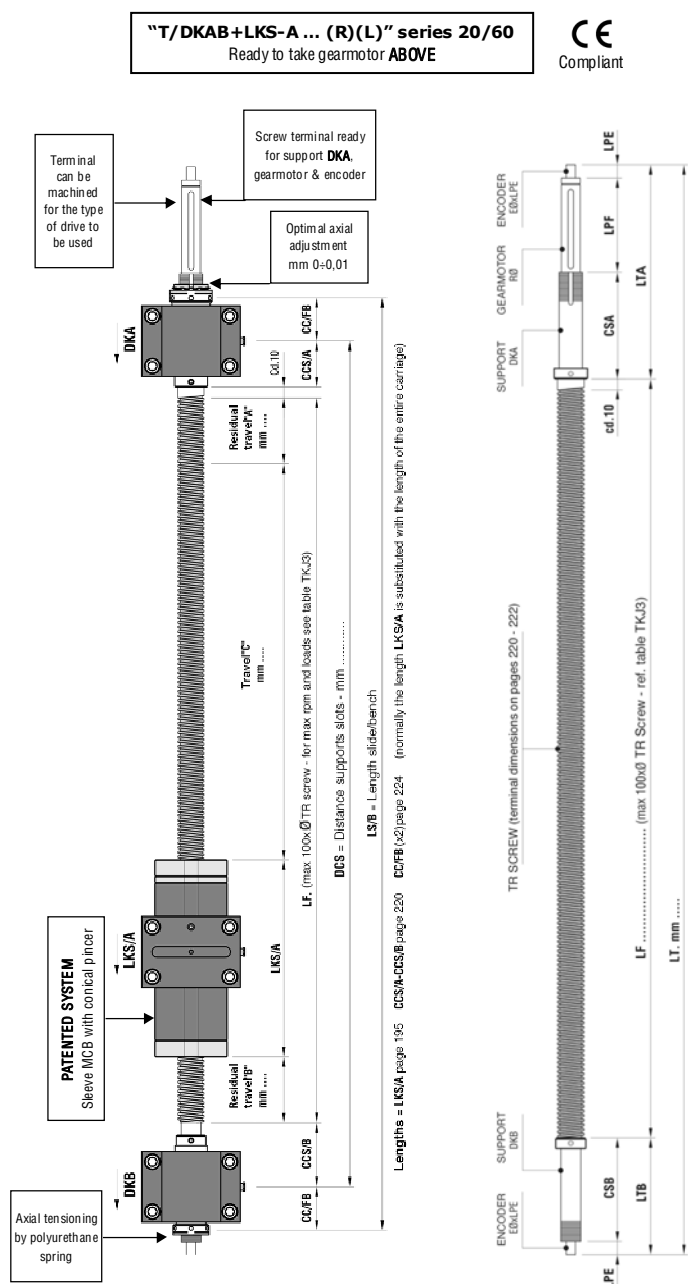
- > The **T/DKAB+LKS-A/B** model is similar to the above and is recommended only and exclusively for applications where drive transmission inevitably takes place from below. For vertical use with the **gearmotor above or below** the layout of the supports is in the sequence shown in the diagrams below. Therefore with the **gearmotor placed below the supports layout does not change (always with the arrows facing downwards)** but **screws with specially made terminals have to be used**. All of our Groups are ready for, but do not include, gearmotor or other accessories, unless specifically agreed when ordering.

COMPOSITION OF GROUP WITH THE RELATIVE SUPPORTS:

- > **R100 Steel trapezoidal screw** (length to be defined).
- > **art.DKA** Fixed steel support with axial/radial bearings.
- > **art.DKB** Fixed steel support with axial/radial bearings.
- > **art.LKS/A** Steel mobile support assembled with:
 - Bronze flange nuts **CFB/A + CFB/M**
 - Safety nut **CDS/A**
 - n.1 Sleeve with bearing **MCC**
 - n.1 Sleeve with conical bush **MCB**

**Fitting diagram of the Group on the slide
"Tecnology Application K" on page 230**

Trapezoidal screw terminal for specific details please see pages 218 - 220, for general details please see pages 48 - 56.



- For sizing the Manoeuvring Group screw and consequent gearmotor, consult tables TKJ3/TKJ4 on pages 220 - 223 with subsequent compilation of this page quoting the Group in the points indicating "Travel A - Travel B - Travel C" together with the Questionnaire found on pages 64-65.
- Please send everything to our technical department for optimizing. For the dimensions of single supports and spare parts please see the following pages.

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