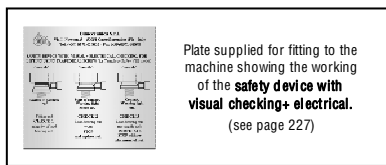
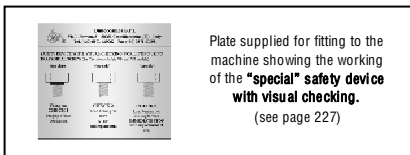


- Indicative diagram of Manoeuvring Unit for vertical/oblique use of “Technology Safety KS/VS” Group with Trapezoidal screw and “long” load bearing nut and “Special standard” safety nut with visual checking.
- Vertical/oblique use with single screw or with two screws in parallel with single drive transmission.
- Available on request, version “Technology Safety KS/VSE series “Special Standard” with electric signalling (see bottom of page).
- Groups with large sized supports, ready to take complementary accessories shown on page 265.

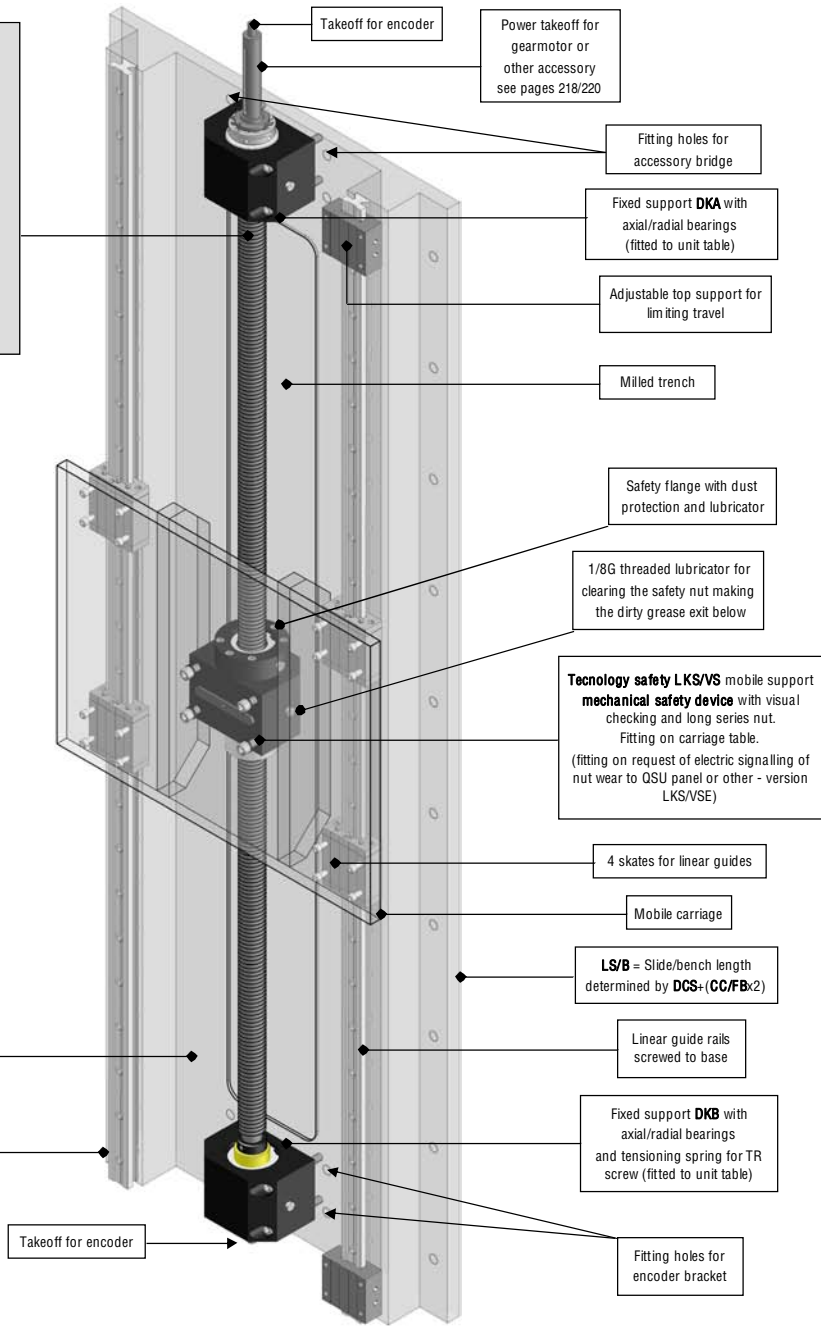
**“TECNOLOGY SAFETY KS/VS” MANOEUVRING GROUP**  
**art.T/DKAB+LKS-VS...(R)(L)**  
**Mechanical safety device with visual checking and R100 steel trapezoidal screw from TR20 - TR60**  
**- Large sized supports with Safety Flange and dust protection -**  
 optional: electric signalling on request  
**art.T/DKAB+LKS-VSE...(R)(L)**



Slide with base to screw on the machine structure or to the base of the machine itself

Possibility of applying protective covers from both sides that act on the entire unit

**Design notes:**  
 Height **HK** between the fixed machine base and the carriage is listed on page 224 together with distance **CC/FB** between the centre of the support slot and the edge of the slide/bench.



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

- > The **Technology safety LKS/VS** device is composed of a steel support into which is inserted load bearing nut **CFB/HVS** (long series), the safety flange with dust protection **FDS** and the safety nut **CDS/V**, the latter having the function of supporting the load the moment load bearing nut is worn out or breaks. **Visual checking should be conducted regularly ensuring that the support with the aluminium cylinder has not descended beyond the reference point given by the O-ring positioned on the safety nut CDS/V** (see page 227). The thread profile of the load bearing nut **CFB/HV** is totally worn out when the nut is completely inside the cylinder. On finding that load bearing nut is worn a spare should be ordered and replaced, or better still return the complete support to *Bimeccanica* who will replace worn parts. The Group is supplied with an aluminium information plate to fit to the machine showing the correct fitting and function of the device. **For the correct use of this Group we also recommend reading the technical instructions on pages 181 - 183.**

- > For the art.T/DKAB+LKS-VS/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.

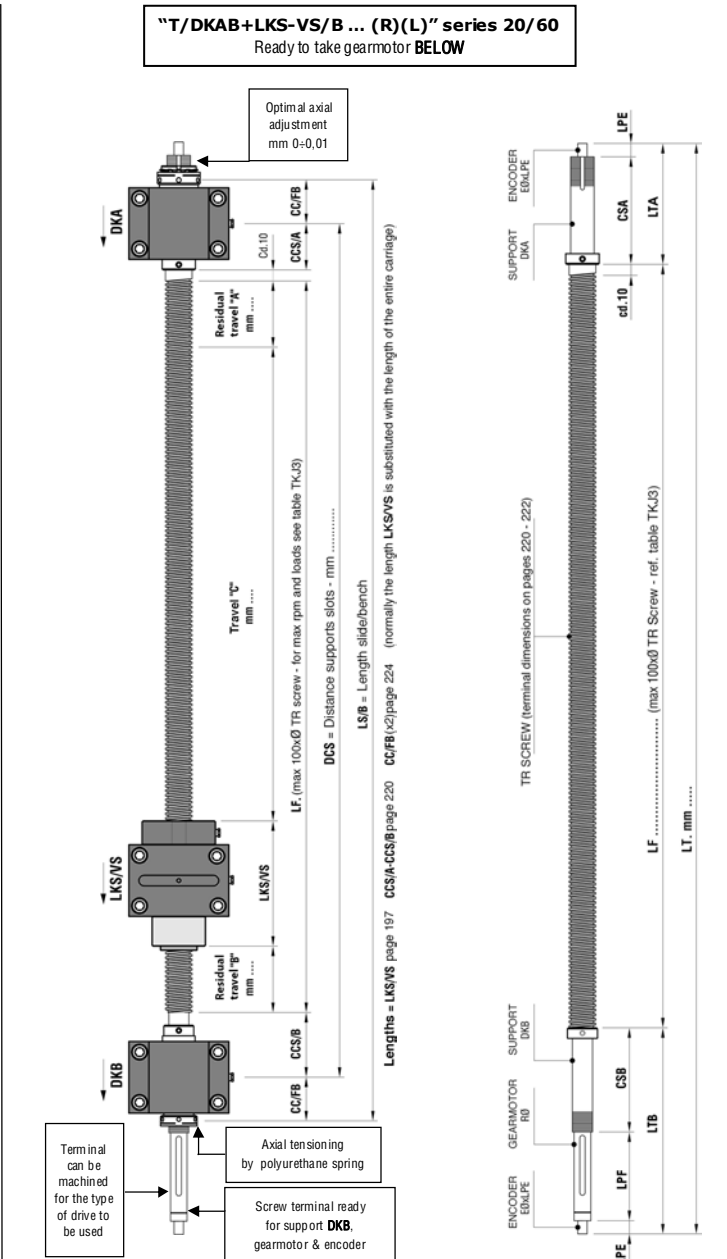
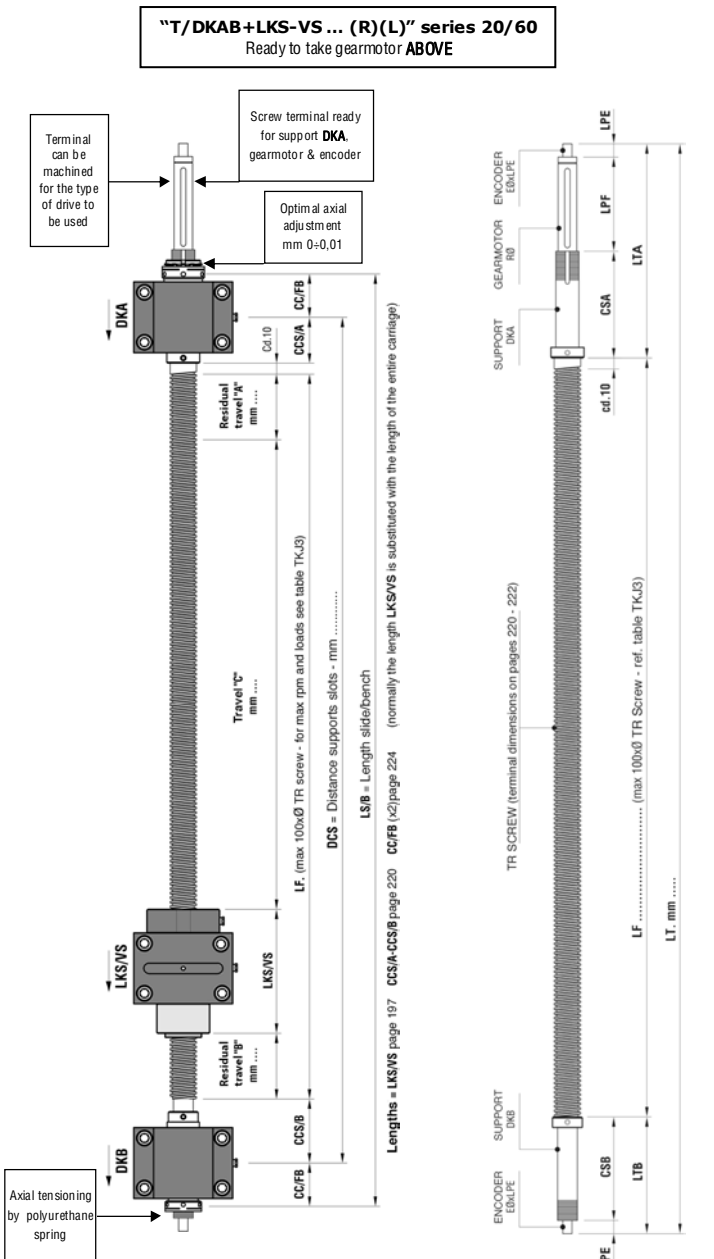
> With the addition of optional extras version **LKS/VSE with electric signalling** is achieved which, in addition to visual checking system, also switches on a light on the **QSU Warning Panel** (see pages 60/63) which warns that the load bearing nut is worn. As previously mentioned, on finding that the load bearing nut is worn it should be replaced or send the complete support to *Bimeccanica* who will replace the worn parts.

- 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/VS"- art.T/DKAB+LKS-VS ... (R)(L) series 20/60**
- **Steel R100 Trapezoidal screw with maximum length of 100 times its diameter, ready for K supports and safety device with visual checking.**
- **Group with large sized supports in nitrided steel with fitting direct to the table with transversal tabs. Group composed of one "long" bronze, load bearing, flange nut, visual safety nut, safety flange with dust protection in the mobile support and conical roller bearings in the fixed supports.**
- > The **"Technology KS/VS" mod.T/DKAB+LKS-VS** is ideal for the **movement of heavy loads vertically/obliquely in safety** as it is fitted with a **single load bearing nut** (long series) and a **mechanical safety system with visual checking** with which one can assess the wear on the load bearing nut. The indication of nut wear is determined by the projection below of the safety nut which when fully inserted in the cylinder assumes the same quality of load bearing. At that point the flange nut should urgently be replaced as it lacks effective safety. On request, with this specific model, it is possible to order an electric signaller of nut wear **mod.KS/VSE** as described on the previous page. Thanks to the notable dimensions of the supports and components the **Technology safety KS/VS** 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 in respect of Compact/Excellent**). Illustrations of the "Safety KS/VS - KS/VSE - JS/VS - JS/VSE" safety systems are shown on page 227 with relevant information plate supplied for fitting to the machine.
- > The **T/DKAB+LKS-VS/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.

<p><b>COMPOSITION OF GROUP WITH THE RELATIVE SUPPORTS:</b></p> <ul style="list-style-type: none"> <li>&gt; <b>R100 Steel trapezoidal screw</b> (length to be defined).</li> <li>&gt; <b>art.DKA</b> Fixed steel support with axial/radial bearings.</li> <li>&gt; <b>art.DKB</b> Fixed steel support with axial/radial bearings.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; <b>art.LKS/VS</b> Steel mobile support assembled with:                     <ul style="list-style-type: none"> <li>• Bronze flange nut <b>CFB/HVS</b></li> <li>• Safety nut <b>CDS/N</b>.</li> <li>• Safety flange <b>FDS/T</b>.</li> </ul> </li> </ul>	<p><b>Fitting diagram of the Group on the slide "Technology Application K" on page 230</b></p>
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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.