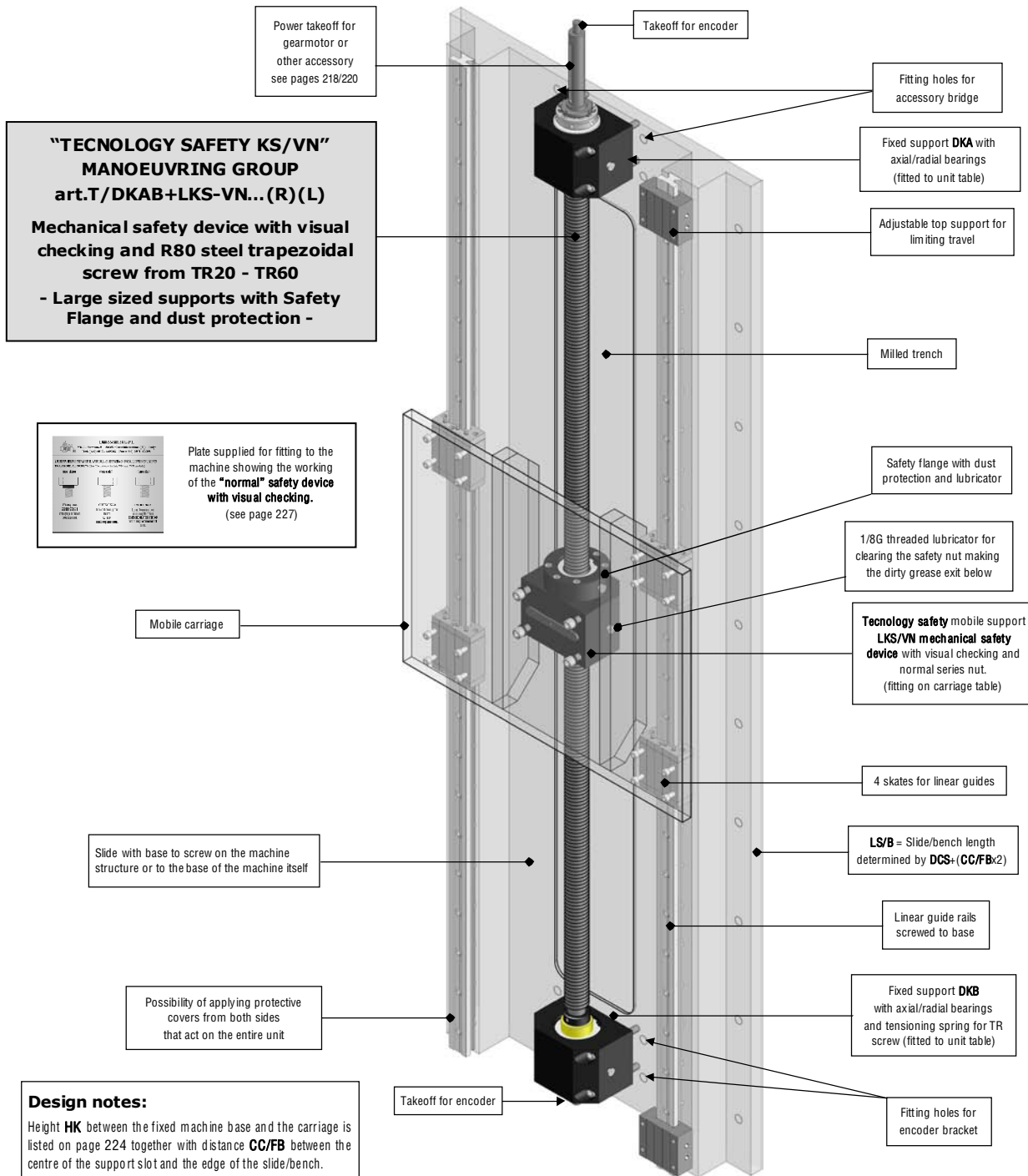


- Indicative diagram of Manoeuvring Unit for vertical/oblique use of “Technology Safety KS/VN” Group with Trapezoidal screw and “normal” load bearing nut and “Normal standard” safety nut with visual checking.
- Vertical/oblique use with single screw or with two screws in parallel with single drive transmission.
- Groups with large sized supports, ready to take complementary accessories shown on page 265.



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

- > The **Technology safety KS/VN** device is composed of a steel support into which is inserted load bearing nut **CFB/VN** (normal length series), the safety flange with dust protection **FDS** and the safety nut **CDS/V**, the latter having the function of supporting the load moment load bearing nut is worn out or breaks. **Visual checking should be conducted regularly ensuring that the mobile support has not lowered past 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/VN** is totally worn out when the nut is completely inside the cylinder. On finding that load bearing flange 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-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.

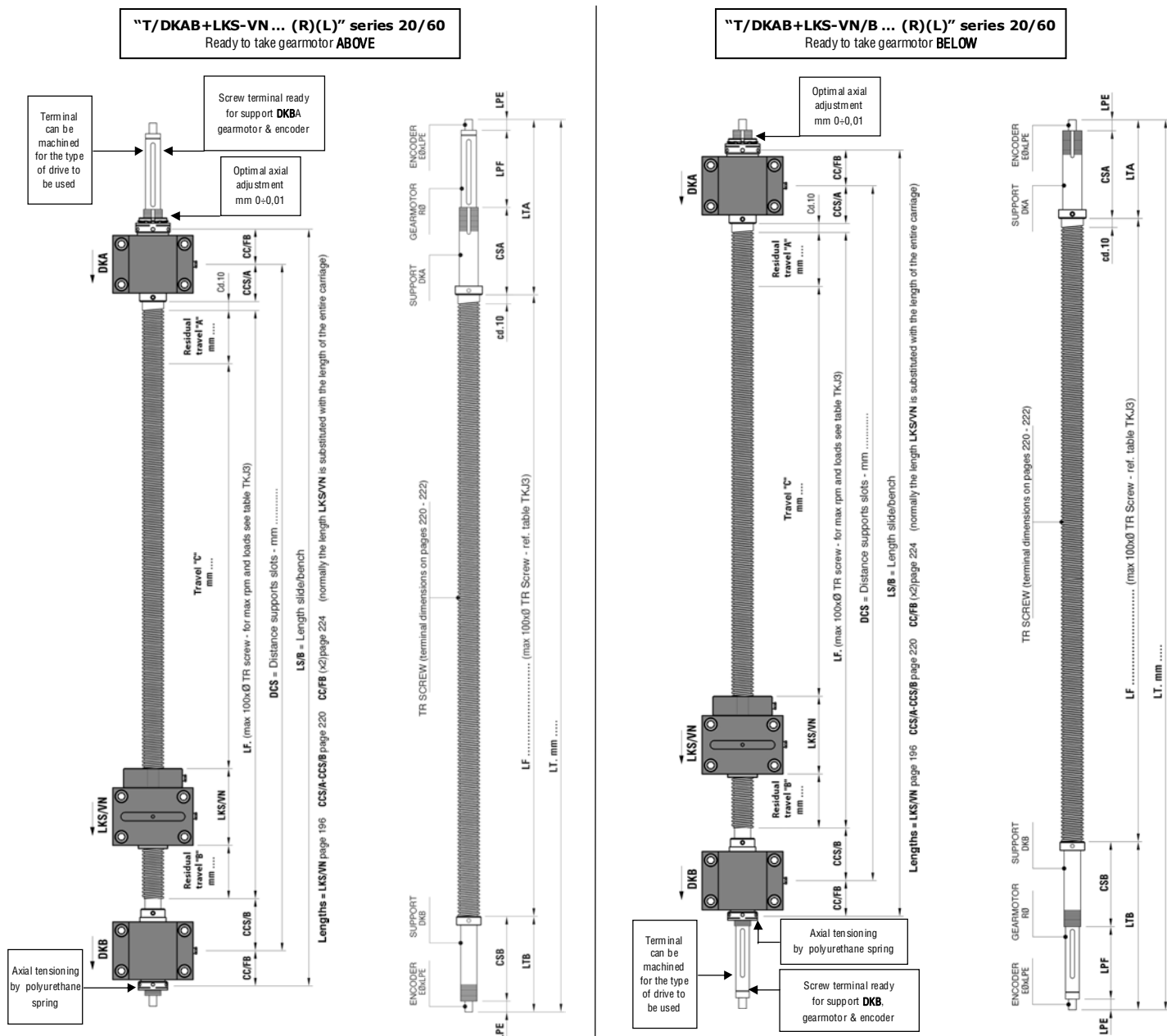


- **TRAPEZOIDAL SCREW MANOEUVRING GROUP mod."TECNOLOGY SAFETY KS/VN"- art.T/DKAB+LKS-VN ... (R)(L) series 20/60**
- **Steel R80 Trapezoidal screw with maximum length of 100 times its diameter, ready for KS supports and mechanical safety device with visual checking.**
- **Group with large sized supports in nitrided steel with fitting direct to the table with transversal tabs. Group composed of one "normal" 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 "**Tecnology KS/VN**" mod.T/DKAB+LKS-VN Group is ideal for the **movement of medium/heavy loads vertically/obliquely in safety** as it is fitted with a **single load bearing nut** (normal 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 support **LKS/VN** assumes the same quality of load bearing. At that point the flange nut should urgently be replaced as it lacks effective safety. Thanks to the notable dimensions of the supports and components the **Tecnology safety KS/VN** Group can be considered as the ideal solution for moving medium/heavy loads with the use of long R80 steel screws with cylindrical shanks and **load bearing like the Compact/Excellent Groups (following mod.KS/VS = load +25%)**.  
An illustration of the "Safety KS/VN and JS/VN" safety systems is shown on page 227 together with the information plate supplied for fitting to the machine.
- > The **mod.KS/VS** presented on the following page guarantees longer wear as it has more supporting thread.
- > The **T/DKAB+LKS-VN/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.

<b>COMPOSITION OF GROUP WITH THE RELATIVE SUPPORTS:</b> <ul style="list-style-type: none"> <li>&gt; <b>R80 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/VN</b> Steel mobile support assembled with:                             <ul style="list-style-type: none"> <li>• Bronze flange nut <b>CFB/VN</b></li> <li>• Safety nut <b>CDS/V</b>.</li> <li>• Safety flange <b>FDS/T</b>.</li> </ul> </li> </ul>
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**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.