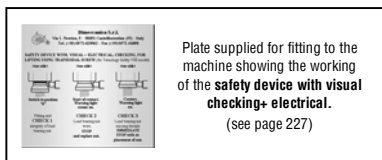
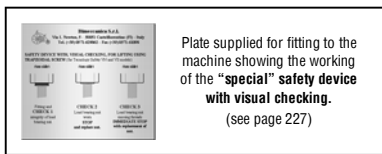


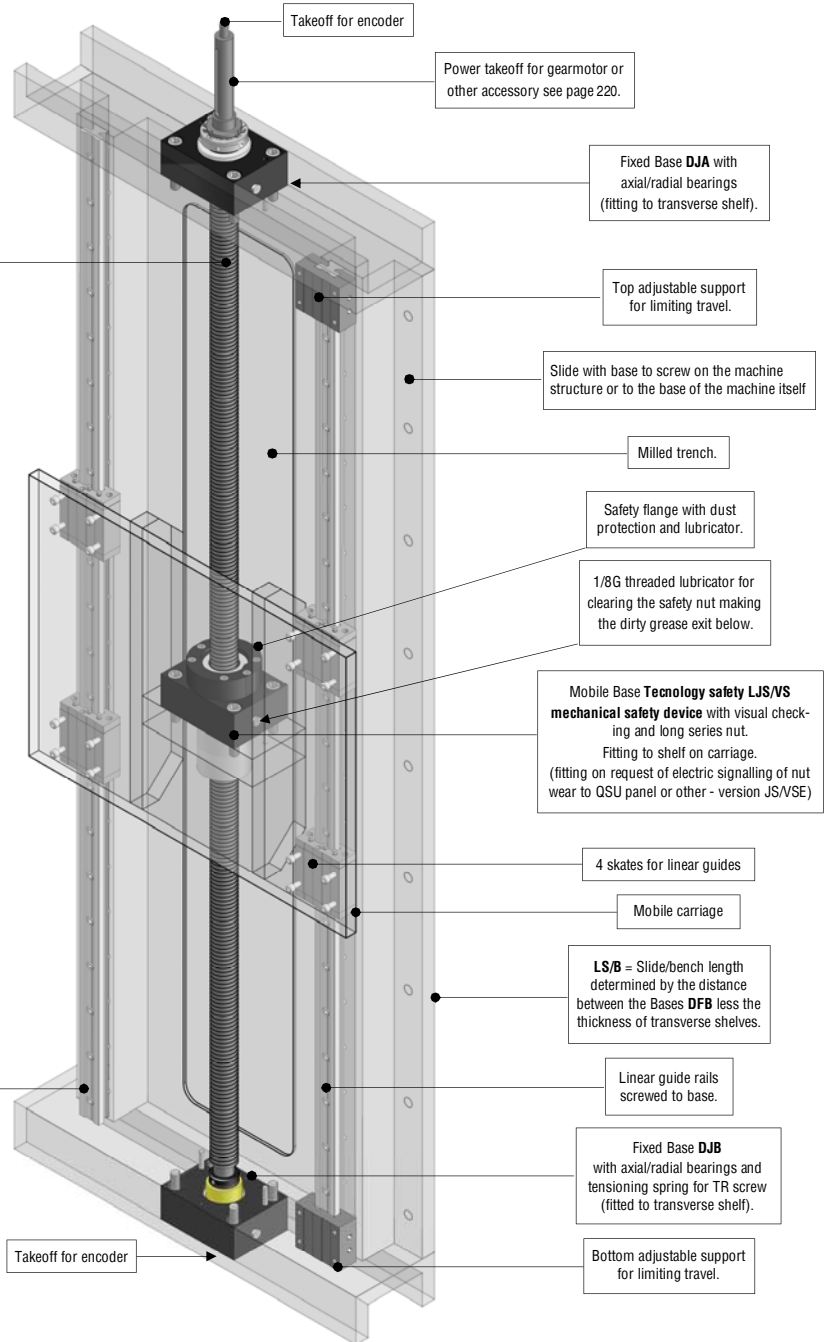
- Indicative diagram of Manoeuvring Unit for vertical/oblique use of “Technology Safety JS/VS” • Group with Trapezoidal screw and “long” load bearing nut and “Special standard” safety nut with visual checking.
- Vertical/oblique use with single screw or with two screws in parallel with single drive transmission.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

**“TECNOLOGY SAFETY JS/VS”
MANOEUVRING GROUP**
art.T/DJAB+L JS-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/DJAB+LJS-VSE (/B) ... (R)(L)



Possibility of applying protective covers from both sides that act on the entire Manoeuvring Unit.

Design notes:
Height HJ between the fixed machine base and the carriage is listed on page 225.



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

- The **Technology safety LJS/VS** device is composed of a steel flanged Base into which is inserted load bearing nut **CFB/HVS** (long length 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/HVS** 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 Bases 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 **LJS/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 Base 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 JS/VS" - art.T/DJAB+L JS-VS ... (R)(L) series 20/60**
- **Steel R100 Trapezoidal screw with maximum length of 100 times its diameter, ready for J Bases and mechanical safety device**
- **Group with large, nitrided steel, flanged Bases with fitting to transverse shelf using longitudinal fitting bolts.**

Group composed of a bronze, load bearing, "long" flange nut, visual safety nut, FDS with dust protection in the mobile Base and conical roller bearing in the fixed Bases.

- The "Technology JS/VS" mod.T/DJAB+L JS-VS Group is different to the Technology safety KS models only for the shape of the supports (called Bases) and subsequent fitting to a shelf. It, too, is ideal for movements of high loads vertically/obliquely in safety in that it has a single "long series" load bearing nut 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, on this specific model, it is possible to add electric signalling of nut wear mod.JS/VSE as described on the previous page. Thanks to the notable dimensions of the supports and components the Technology safety JS/VS Group can be considered as the ideal solution for heavy loads with the use of long R100 steel screws with cylindrical shanks (loads 25% superior to the Compact/Excellent Groups).

An illustration of the "Safety JS/VS - JS/VSE - KS/VS - KS/VSE" safety systems is shown on page 227 and the information plate supplied for fitting to the machine.

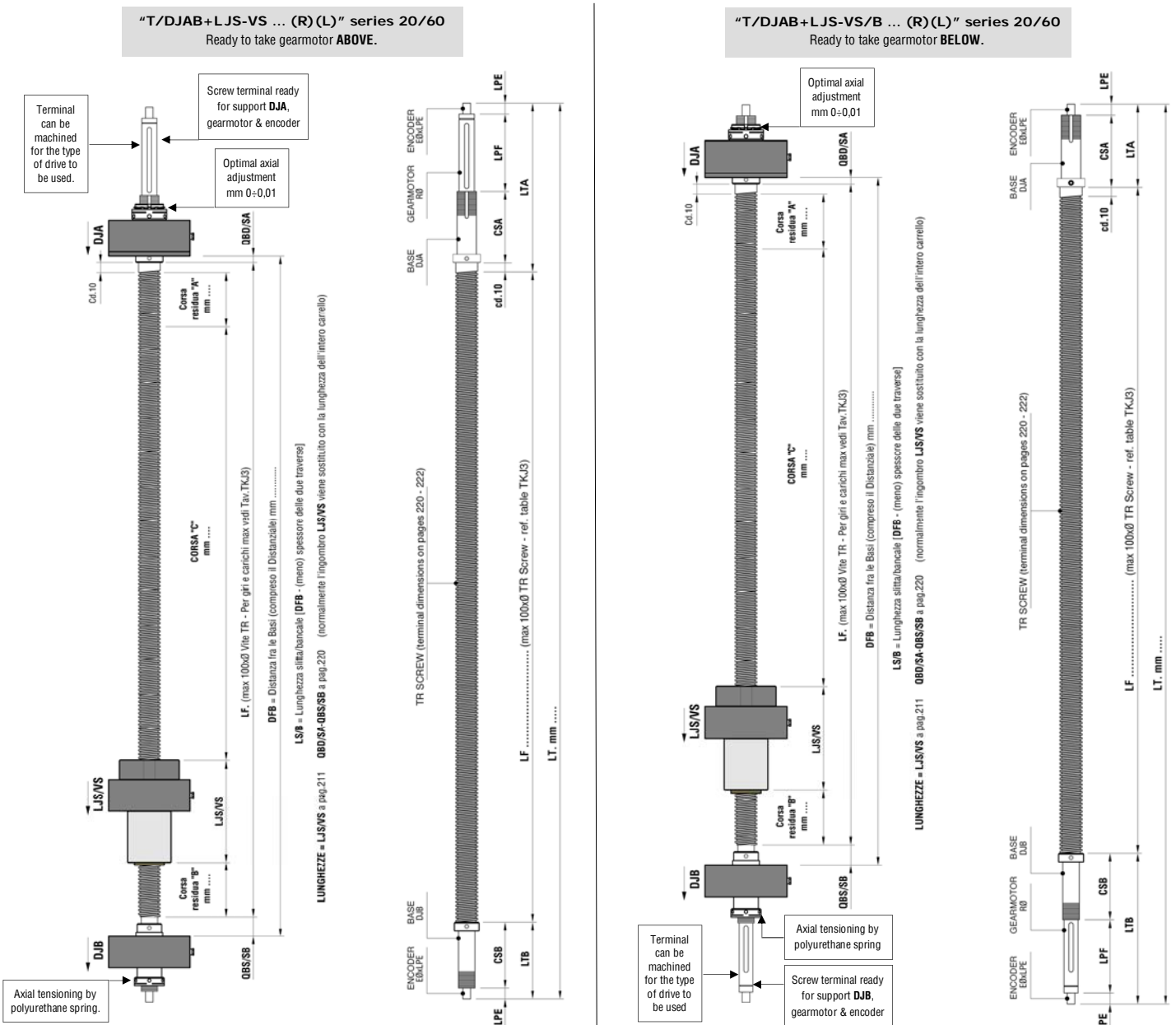
The T/DJAB+L JS-VS/B model is similar to the above and is recommended only and exclusively for applications where drive transmission inevitably takes place from below. For vertical use with the gearmotor above or below the layout of the supports is in the sequence shown in the diagrams below. Therefore with the gearmotor placed below the Bases 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 BASES:

- R100 Steel trapezoidal screw (length to be defined).
- art.DJA Fixed steel Base with axial/radial bearings.
- art.DJB Fixed steel Base with axial/radial bearings.
- art.LJS/VS Steel mobile Base assembled with:
 - Bronze flange nut CFB/HVS
 - Safety nut CDS/V.
 - Safety Flange FDS/T

Fitting diagram of the Group on the slide "Technology Application J" on page 231.

Trapezoidal screw terminal: for specific details please see page 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.