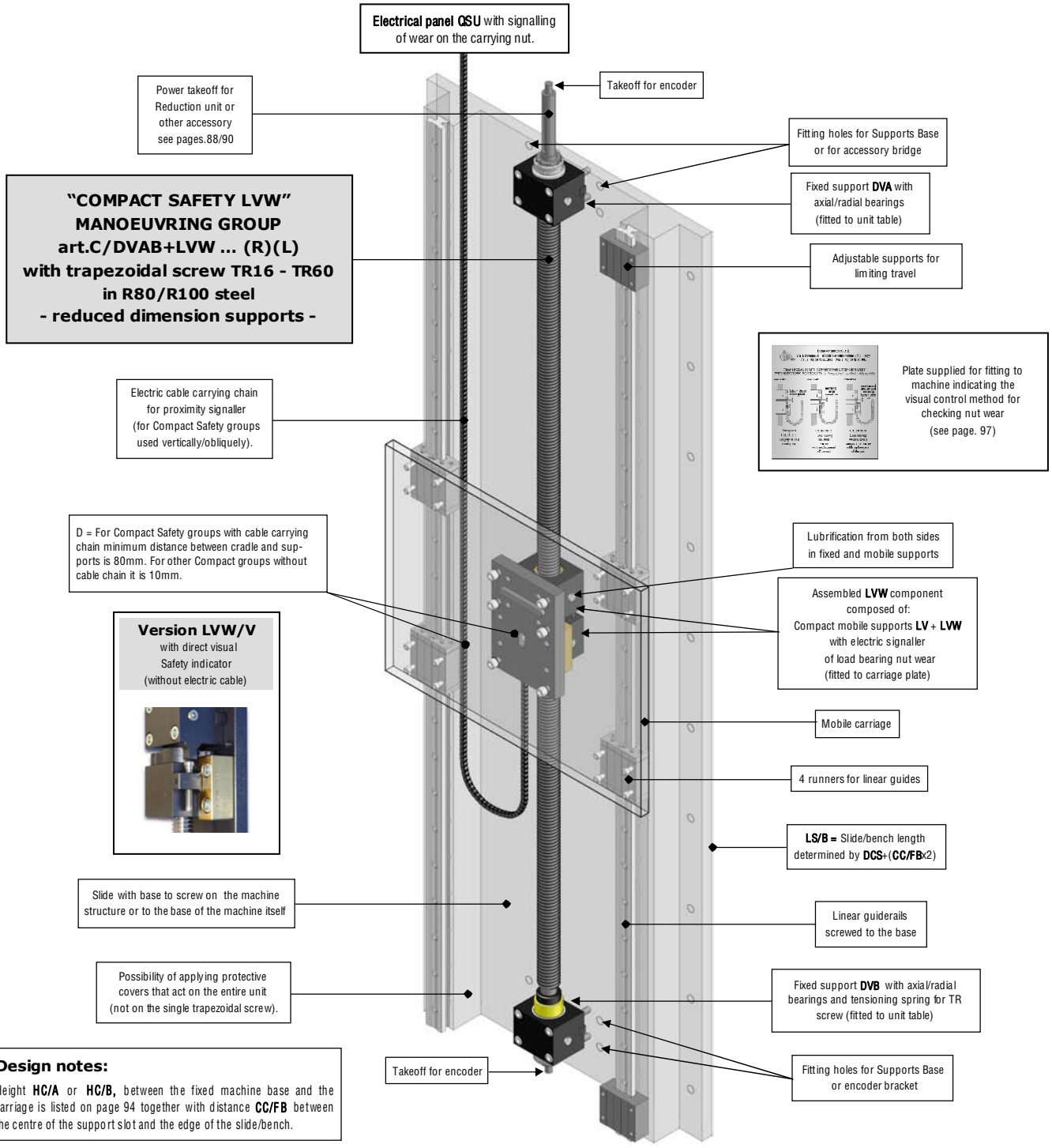
- **Indicative diagram of Manoeuvring Unit for vertical/oblique use of "Compact Safety LVW" trapezoidal screw group with *electric safety signaller* (use with single screw or with double in parallel with a single drive).**
- **Warning panel QSU and Visualizer see pages. 60-63.**
- **Alternatively the same Group is available without electric signalling but with direct *Visual Control* to the supports (see photo of art.LVW/V in window below).**
- **Group without dust felts ready for complementary accessories from page 265.**



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

> For version **art.C/DVAB+LVW/B ... (R)(L) with reduction unit below the typology and supports arrangement does not alter but only the trapezoidal screw terminals change** and are available specially from TR20 - TR60.
For the cradle itself, normally made from milled sheet iron Fe, steel linear guides are used with runners with recirculating ball bearings for precision sliding. The safety signaller functions the moment the carrying nut is worn; the wear detection comes from the proximity device fixed to support LVW, in which the safety nut is also found that avoids the load falling during the time taken to replace the carrying nut which should be done with urgency and which is available from us as a spare part (see page. 84). **For the correct use of this Group we also recommend reading the technical instructions on pages 67-69.**

> All of the Compact Groups can be purchased pre-assembled, with the supports inserted on the trapezoidal screw, in that for mounting on the Manoeuvring Unit requires no dismantling, fitting the Group to the machine as shown on the **Compact application diagram 2/A** on page 101.
Whenever the support components of the Manoeuvring Group are not mounted on the machinery with the arrows facing downwards, with the tabs inserted or there is protection missing on the scrolling parts, *Bimeccanica* automatically ceases to have any responsibility with regards to safety.

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- **TRAPEZOIDAL SCREW MANOEUVRING GROUP mod. "COMPACT SAFETY" - art.C/DVAB+LVW ... (R)(L) serie 16/60**
  - art.C/DVAB+LVW/B ... (R)(L) serie 20/60
- **R80/R100 steel trapezoidal screw with max length of 100 times its diameter, double nut with sensor and ready for supports and accessories.**

- **Supports in nitrided steel with axial/radial bearings and bronze cylindrical nuts, of which one with proximity sensor is for safety.**

> Group **C/DVAB+LVW** is **ideal for vertical/oblique movements in safety** by means of a sensor that signals the wear of the bearing nut in order to provide for its replacement. An illustration of the "Safety" system, together with the plate supplied to apply to the machinery, can be found on page 97. The system can be equipped with a **warning signalling panel QSU** also available from us (please see pages 60-63).

> Model **C/DVAB+LVW/B** is similar to the above and is only recommended for applications where the drive transmission has to be from below.

> For a correct use of the "Compact Safety" supports keep rigorously to the diagram below in that the **mod.Safety is ready for the reduction unit above whilst as already stated mod. Safety/B has the reduction unit below. Verify however that the arrows engraved in the supports, indicating the force of gravity, are always facing downwards as in the diagrams because if mounted to the contrary and/or without using the tabs Bimeccanica declines all responsibility. As mentioned on the previous page this Group is also available without electric signalling, but instead with direct visual control of supports art.LVW/V.**
> All of our Groups are ready for, but do not include, reduction units and other accessories, unless specifically agreed on the order.

COMPOSITION OF GROUP WITH THE RELATIVI SUPPORTS:

> **Trapezoidal screw** (type and length to be defined).
> **art.DVA** Fixed steel support with axial/radial bearings.
> **art.DVB** Fixed steel support with axial/radial bearings.

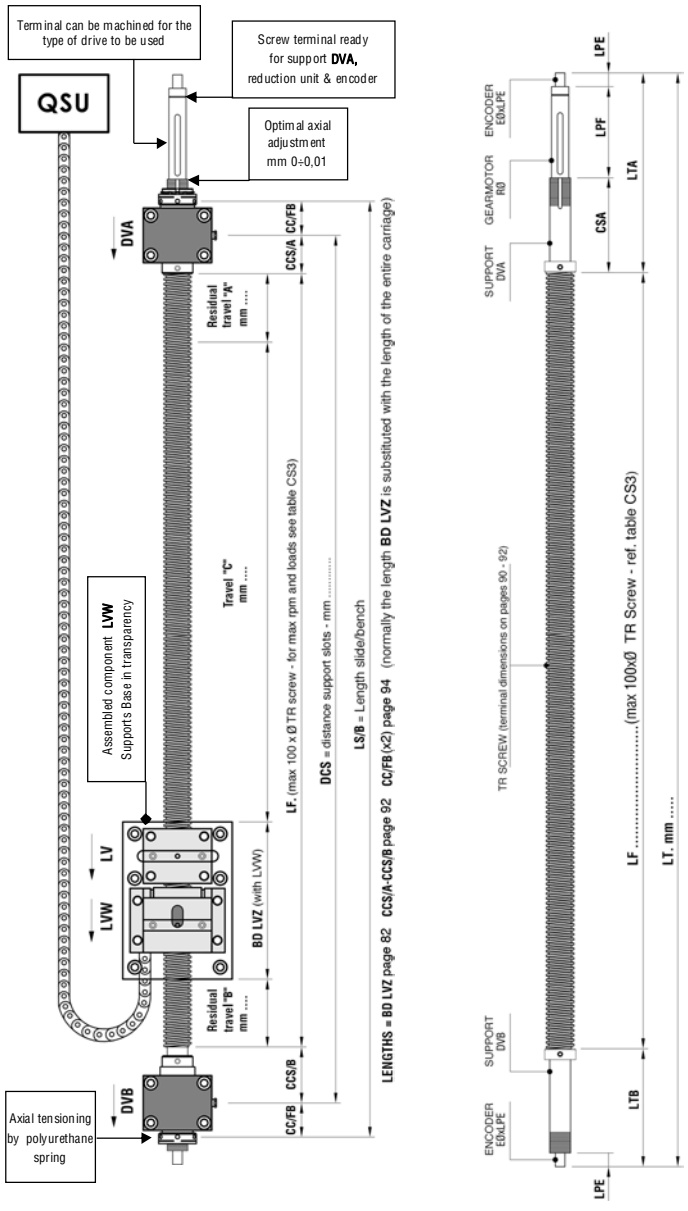
Assembled component **LVW** on mobile Supports Base composed of:

> **art.LV** Steel mobile support with bearing nut **CCB/A**.
> **art.LVW** Steel mobile support with nut **CCB/A** and **Proximity sensor**

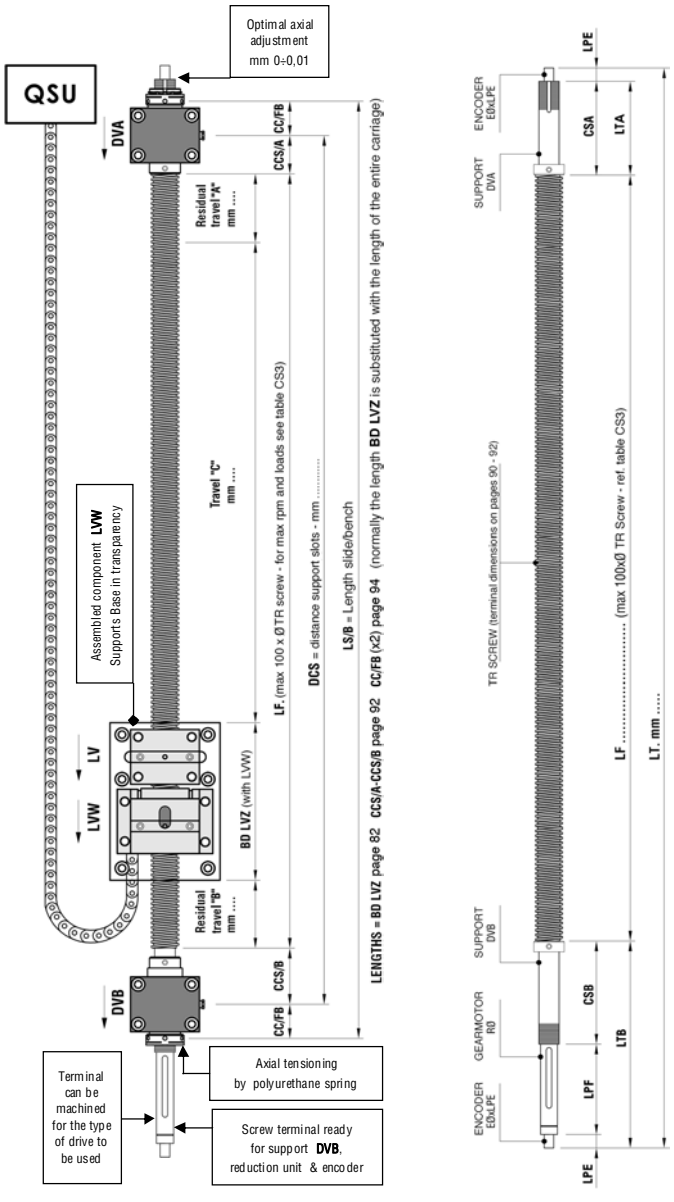
Fitting diagram of the Group on the slide "Compact Application 2/A" on page. 101 (or "2/B" with fixed supports on bases, same page)

Trapezoidal screw terminals: for specific details please see pages 88 - 90, or for general details please refer to pages 48 - 56.

"C/DVAB+LVW ... (R)(L)" series 16/60
Ready for reduction unit **ABOVE**



"C/DVAB+LVW/B ... (R)(L)" series 20/60
Ready for reduction unit **BELOW**



- **For sizing the Manoeuvring Group screw and consequent reduction unit, consult our tables CS3/CS4 on pages 90-93 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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