- **GROUPS WITH MINIMUM SIZED INTEGRAL SUPPORTS (without dust protection) for medium/long horizontal movements.**
- **Use with single screw or two screws in parallel with common drive. Trapezoidal screw with length 25 times its diameter.**

– **COMPACT SIMPLE "B" (in bronze) art. C/DBAB+LB...(R)(L) Groups with two fixed supports and one mobile support in bronze.**
– **COMPACT SIMPLE "N" (in nylon) art. C/DNAB+LN...(R)(L) Groups with two fixed supports and one mobile support in nylon.**
– **COMPACT SIMPLE "S" (in steel) art. C/DSAB+LS....(R)(L) Groups with two steel fixed supports , resin bushes and steel nut.**

Model comprised of load bearing support + support/nut + screw tensioning support for medium and long movements.

The *Compact Simple* Groups occupy less space and are the most economical of the *Compact* series and are produced in three different materials in order to satisfy multiple technical requirements for mechanical linear transmission. We recommend the *Compact Simple* series for horizontal movements of light to medium loads depending on the type of material used for its components.

– The *Compact Simple* mechanical groups that we have designed are comprised of modular load bearing supports made respectively in the following materials, "B" in bronze, "N" in nylon and "S" in steel that when combined with the trapezoidal screw by means of the support/nut (also produced of the same materials) form Manoeuvring Groups, each complete with its own technical characteristics that we will now describe:

– **The *Compact Simple "B"* group art. C/DBAB+LB...(R)(L)** is certainly very practical and economical, ideal for horizontal **fast movements of light and medium loads** with medium/long screw and is the best of the "*Simple*" category in that being completely made in bronze it allows a **double load capacity** in respect to the maximum vertical loads shown in tables CL.3 and CL.4 on pages 121 and 123, proportioned for horizontal use by making the following approximate calculation:
The Kg shown in the table for vertical use multiplied by 2 and then by 4 (or else directly by 8), corresponds to the load moveable horizontally by the Compact Simple "B" and also manually by Compact Simple "S".

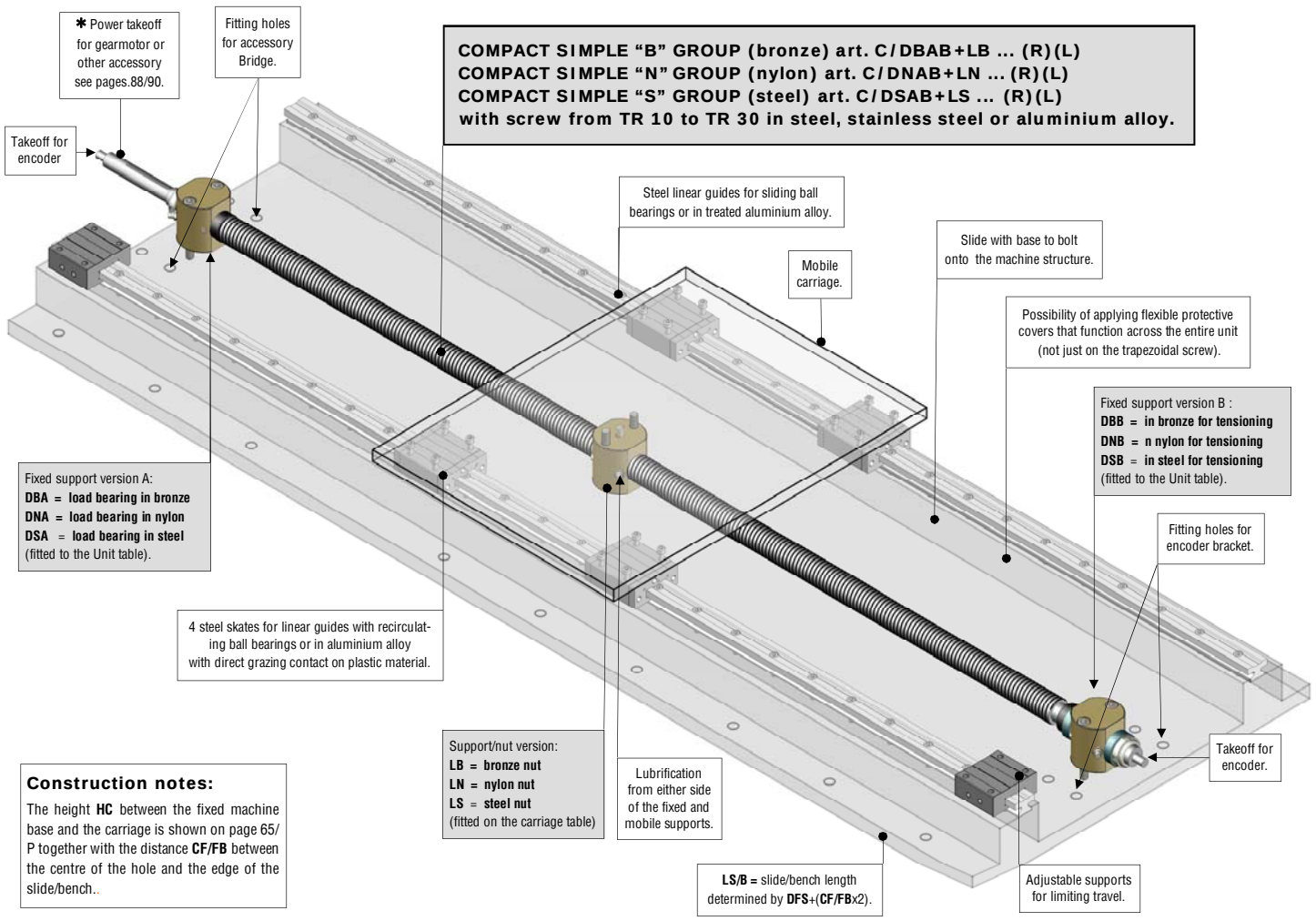
– **The *Compact Simple "N"* group art. C/DNAB+LN...(R)(L)** is also very practical and economical, ideal for horizontal **fast movements of light loads** with medium/long screw, made completely in nylon allowing faster movement speeds but with a notably lighter load capacity compared to the *Simple "B"* and *Simple "S"* loads shown in tables CL.3 and CL.4 on pages 121 and 123, proportioned for horizontal use by making the following approximate calculation:
The Kg shown in the table for vertical use multiplied by 4, corresponds to the load moveable horizontally by the Compact Simple "N".

– **The *Compact Simple "S"* group art. C/DSAB+LS...(R)(L)** is certainly the most economical of the series, with use restricted for horizontal **manual positioning movements of light loads** with medium/long screw, made completely in steel and also corresponding to the loads shown in tables CL.3 and CL.4 on pages 121 and 123, proportioned for horizontal use by using the same approximate calculation as for *Compact Simple "B"* but, as preciously stated, only for manual movements.

All of the *Compact Simple* groups may be purchased pre-assembled, with the Supports inserted on the trapezoidal screw, so that that no dismantling is required when mounting on the Manoeuvring Unit as shown in the diagram on page 65/R.

Our groups are ready for the fitting of accessories on page 265 such as **gearmotors (see page 65/O), handwheels, position indicators** and others and are available from us, pre-selected according to the machined screw terminal and pre-fitted together with the supports that form the group itself.

- **Indicative diagram of Manoeuvring Unit using a "Compact Simple B" Group with medium/long trapezoidal screw.**



Construction notes:
The height **HC** between the fixed machine base and the carriage is shown on page 65/P together with the distance **CF/FB** between the centre of the hole and the edge of the slide/bench..

✱ For the TR10-12 models the power takeoff is ready to fit a connecting coupling to the gearmotor.

Groups ready to fit accessories on page 265 - For correct use of the groups please see the technical instructions on pages 65/C - 65/D.

- **TRAPEZOIDAL SCREW MANOEUVRING GROUP mod. COMPACT SIMPLE "B" (bronze) - art.C/DBAB+LB ... (R)(L) series 10/30**
- **Trapezoidal screw with maximum length of 100 times its diameter, with bronze fixed supports + bronze support/nut and accessories.**

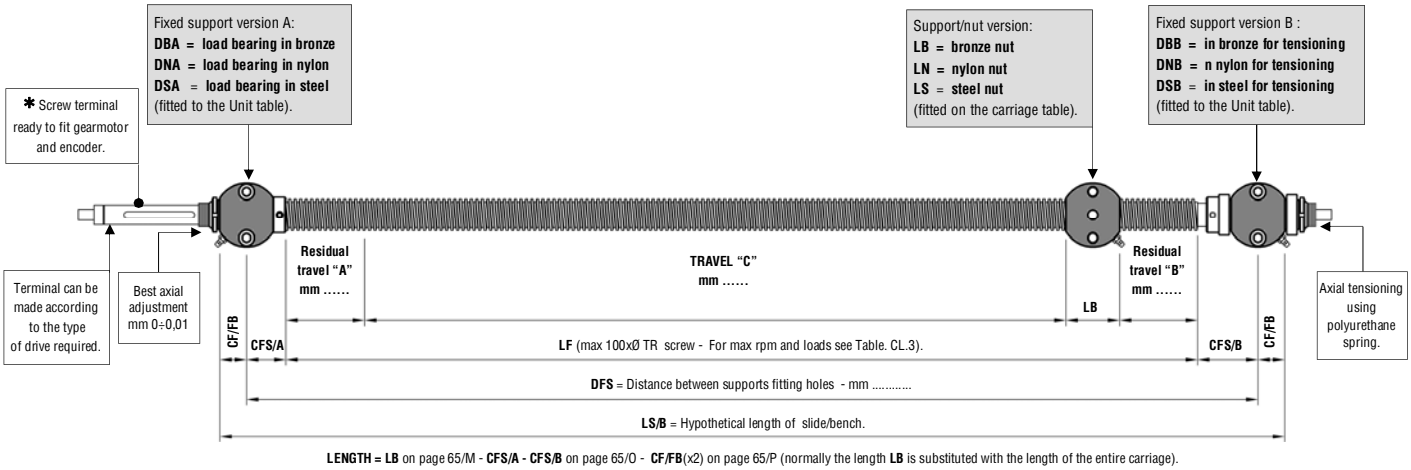
GROUP COMPOSITION WITH THE RELATIVE SUPPORTS:	
– **Trapezoidal screw** (type and length to be determined). – **art.DBA** Bronze fixed support. – **art.LB** Bronze support/nut. – **art.DBB** Bronze fixed support.	**Diagram for fitting the group on the slide on page 65/R.**

- **TRAPEZOIDAL SCREW MANOEUVRING GROUP mod. COMPACT SIMPLE "N" (nylon) - art.C/DNAB+LN ... (R)(L) series 10/30**
- **Trapezoidal screw with maximum length of 100 times its diameter, with nylon fixed supports + nylon support/nut and accessories.**

GROUP COMPOSITION WITH THE RELATIVE SUPPORTS:	
– **Trapezoidal screw** (type and length to be determined). – **art.DNA** Nylon fixed support. – **art.LN** Nylon support/nut. – **art.DNB** Nylon fixed support.	**Diagram for fitting the group on the slide on page 65/R.**

- **TRAPEZOIDAL SCREW MANOEUVRING GROUP mod. COMPACT SIMPLE "S" (steel) - art.C/DSAB+LS ... (R)(L) series 10/30**
- **Trapezoidal screw with maximum length of 100 times its diameter, with steel fixed supports + steel support/nut and accessories.**

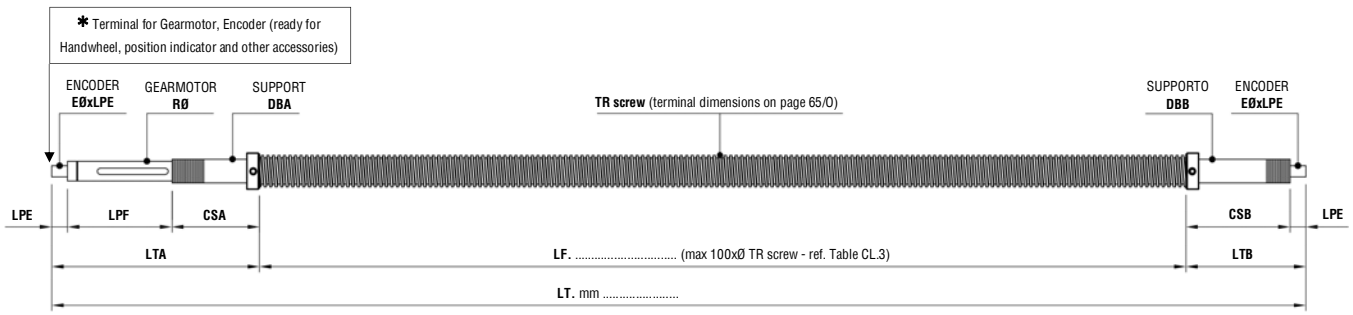
GROUP COMPOSITION WITH THE RELATIVE SUPPORTS:	
– **Trapezoidal screw** (type and length to be determined). – **art.DSA** Steel fixed support. – **art.LS** Steel support/nut. – **art.DSB** Steel fixed support.	**Diagram for fitting the group on the slide on page 65/R.**



LENGTH = LB on page 65/M - **CFS/A - CFS/B** on page 65/O - **CF/FB**(x2) on page 65/P (normally the length **LB** is substituted with the length of the entire carriage).

Upon request the Compact Simple "B" Manoeuvring Group (in bronze) when used with a stainless steel trapezoidal screw and the Compact Simple "N" Group (in nylon) when used with an anodized aluminium alloy or stainless steel trapezoidal screw, can also be supplied with stainless components.

- **TRAPEZOIDAL SCREW DESIGN of our threaded bar ready for the above supports, gearmotor (positioned at the side) and encoder. Trapezoidal screw terminal: for specific details please see page 65/O or for general information pages 48 - 56.**



* For the TR10-12 models the power takeoff is ready to fit a connecting coupling to the gearmotor.

– **For sizing the Manoeuvring Group screw and consequent gearmotor, consult (after having read the explanations on page 65/G) tables CL3/CL4 from pages 120 – 123 and then compile this page indicating the distances "Travel A – Travel B – Travel C" together with the questionnaire that can be found on pages 64-65.**

– **Please then 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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