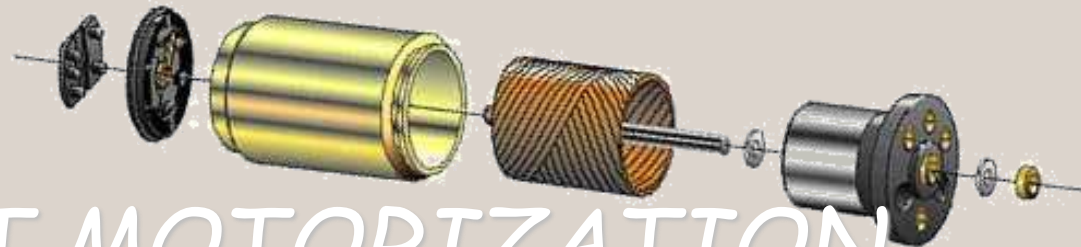


IWC & PS



somfy

Window & Blind Business Group



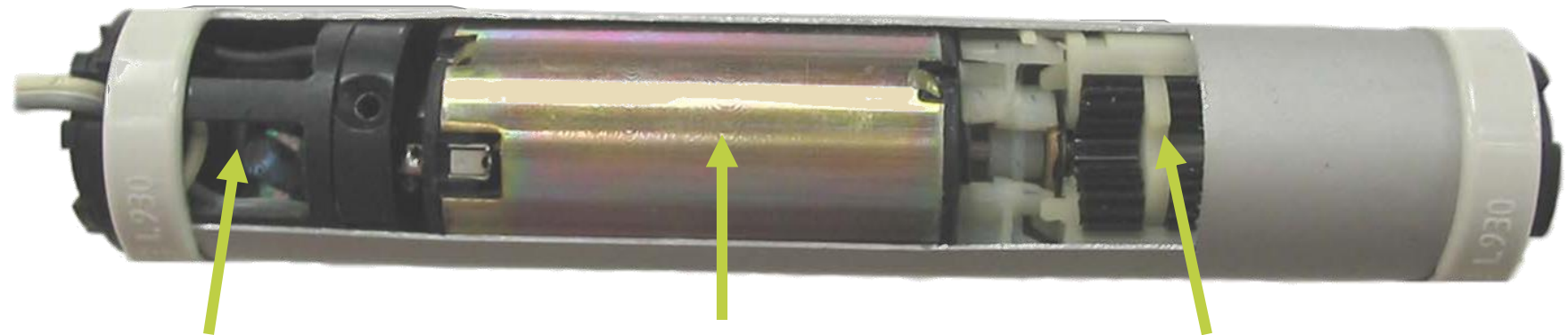
CORD LIFT & TILT MOTORIZATION

- I. LV 25 (Lateral fitting motor)**
- II. LV 25 SPECIAL APPLICATION**
- III. LW 25 (Central fitting motor)**
- IV. LW 25 E (Central fitting encoder motor)**
- V. MOTOR TEMPLATE**

I - LV 25 (Lateral fitting motor)

CORD LIFT & TILT
MOTORIZATION

24 Vdc single output shaft motor with integrated brake, over torque limiter, and shaft play equalizer. Generally use with a mechanical stop.

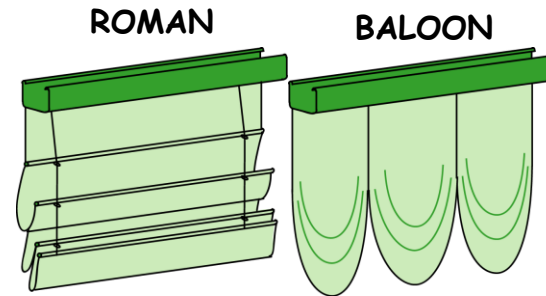
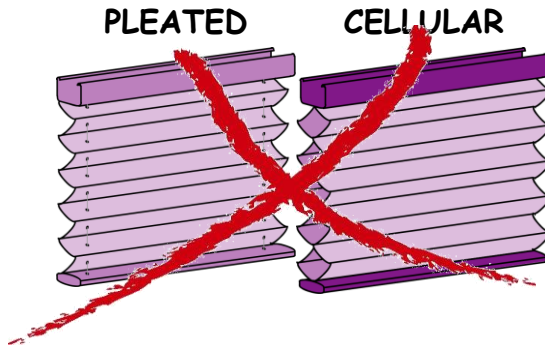
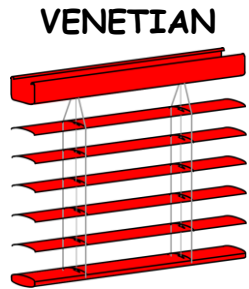


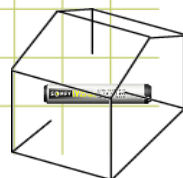
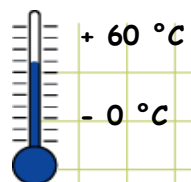
ELECTRONIC OVER
TORQUE LIMITER

DC MOTOR

GEAR BOX
+ BRAKE

End products compatibility:





**CAUTION: USE ONLY
LONG SHAFT
ADAPTERS**



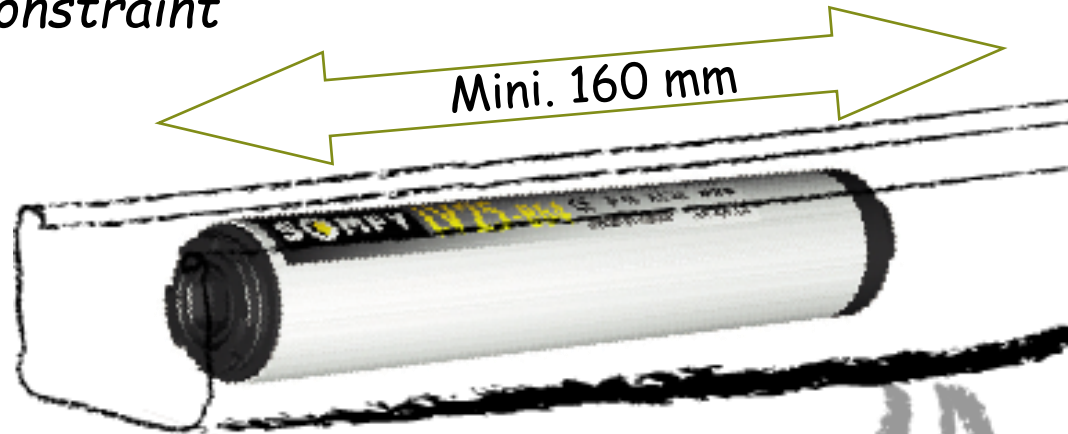
The range

TECHNICAL SPECIFICATIONS

| | LV 25 B 44 | LV 25 B 64 |
|---|------------|------------|
| Nominal torque (Nm) | 0.4 | 0.6 |
| Stall torque (Nm) | 0.8 | 1.0 |
| Nominal speed at 25 °C (rpm) | 40 | 35 |
| Current at nominal torque (mA) | 300 | 400 |
| Current at stall (mA) | 450 | 500 |
| Nominal supply voltage (Vdc) | 24 | 24 |
| Minimum supply voltage (Vdc) | 20 | 20 |
| Maximum number of turn in one direction | NO | NO |
| Maximum off-center of the output shaft (mm) | 0.7 | 0.7 |
| Maximum running time in blind (min) | 7 | 7 |



The fitting constraint



Minimum lifting cord positioning: 160 mm



CAUTION:

160 mm = CTS
bearing (16 mm) +
Motor (140 mm) +
Gap (4 mm)

I - LV 25 (Lateral fitting motor)

CORD LIFT & TILT
MOTORIZATION

The setting up:

LV 25

CTS 25

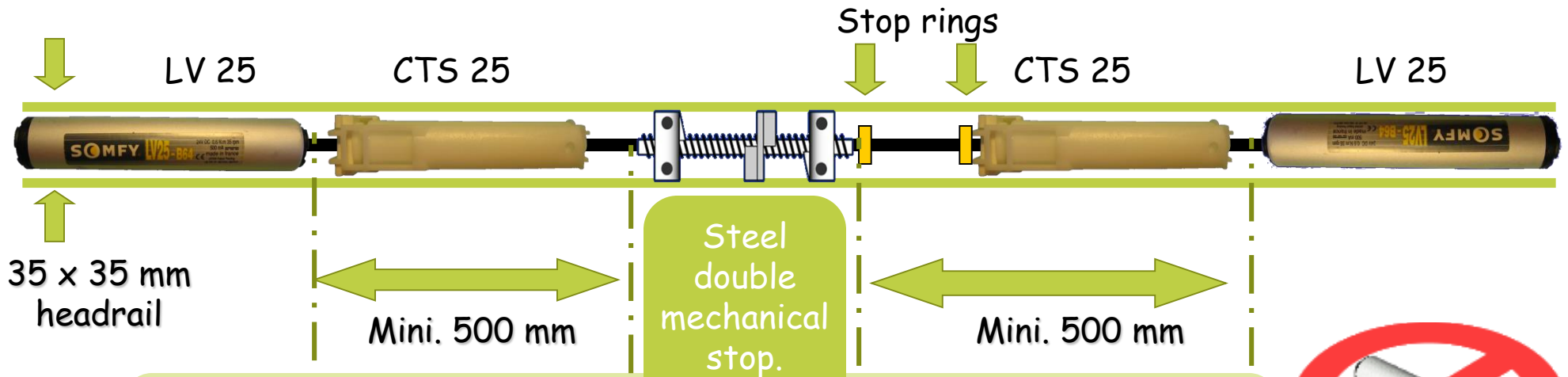
AMS 25

CTS 25



STOP
RINGS

Two motors in one headrail:



1 – The top limit must be reached on the mechanical stop

2 – Use only a regulated power supply

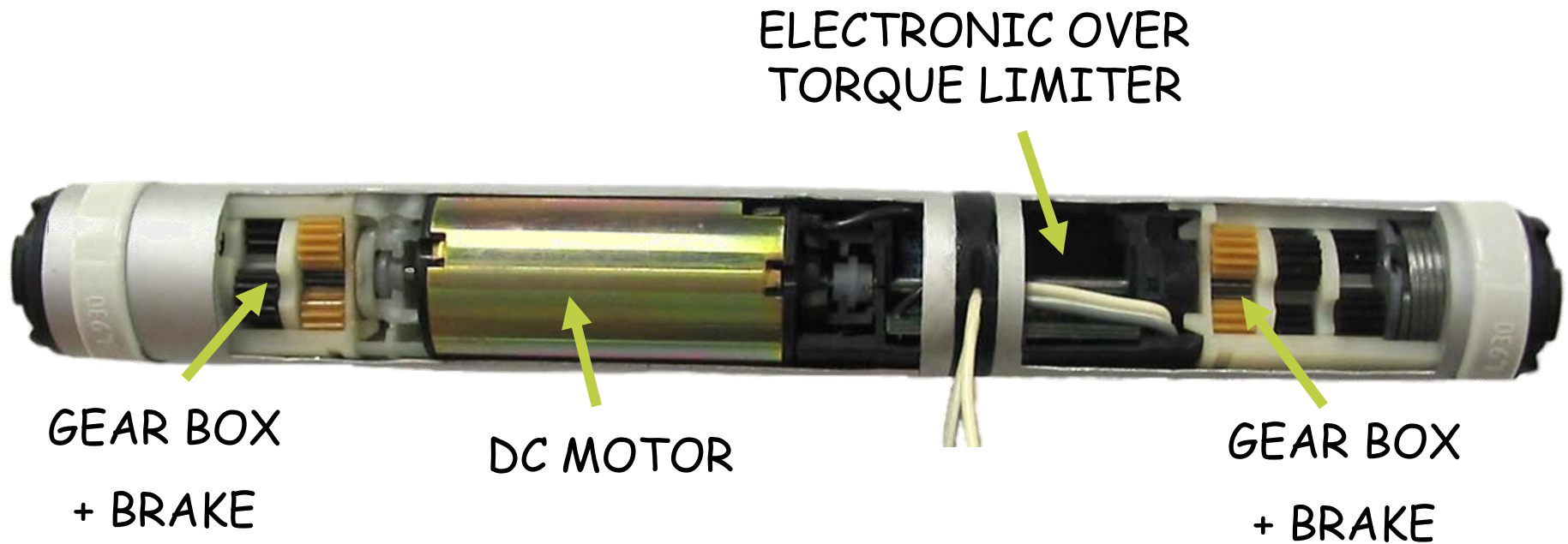


CAUTION: THE USE OF 2 x LV 25 B 64 TO MOTORISE BLINDS REQUIRING MORE THAN 0.8 Nm AND UP TO 1.2 Nm IS ONLY QUALIFY IF ALL THE TECHNICAL INSTRUCTIONS ARE OBSERVED

III - LW 25 (Central fitting motor):

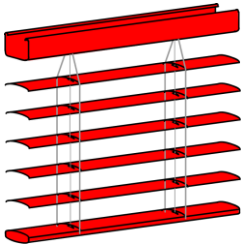
CORD LIFT & TILT
MOTORIZATION

24 Vdc double output shaft motor with integrated brake, over torque limiter, and shaft play equalizer. Generally use with a mechanical stop.

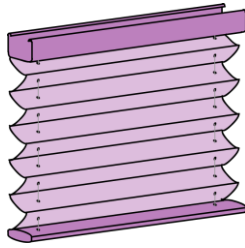


End products compatibility:

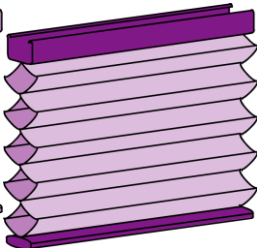
VENETIAN



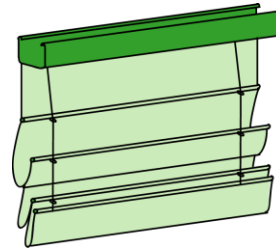
PLEATED



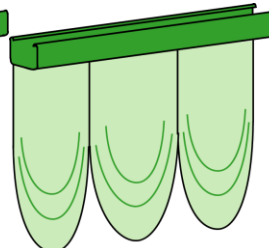
CELLULAR



ROMAN

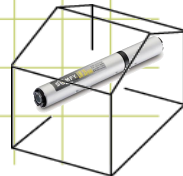
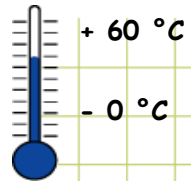


BALLOON



ROLLER





**CAUTION: USE ONLY
LONG SHAFT
ADAPTERS**



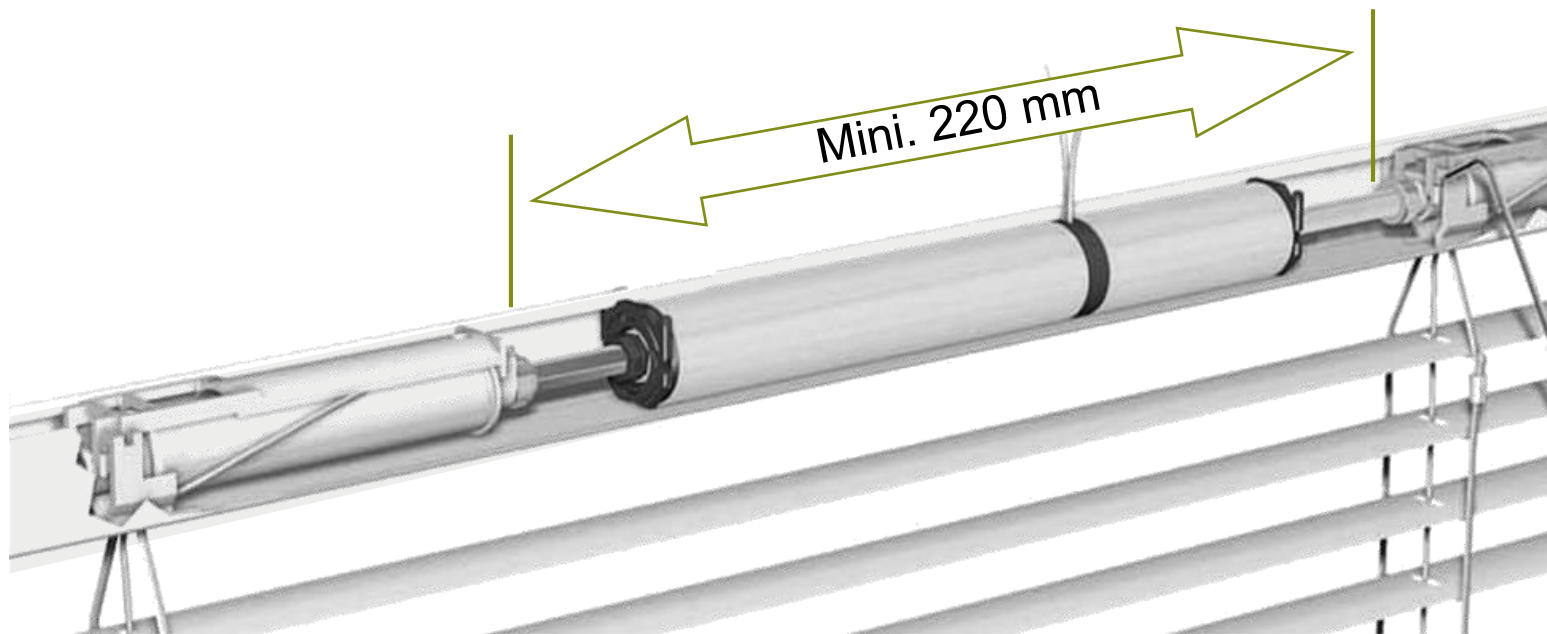
The range

TECHNICAL SPECIFICATIONS

| | LW 25 B 44 | LW 25 B 83 |
|---|------------|------------|
| Nominal torque (Nm) | 0.4 | 0.8 |
| Stall torque (Nm) | 0.8 | 1.2 |
| Nominal speed at 25 °C (rpm) | 40 | 30 |
| Current at nominal torque (mA) | 300 | 500 |
| Current at stall (mA) | 450 | 650 |
| Nominal supply voltage (Vdc) | 24 | 24 |
| Minimum supply voltage (Vdc) | 20 | 20 |
| Maximum number of turn in one direction | NO | NO |
| Maximum off-center of the output shaft (mm) | 0.7 | 0.7 |
| Maximum running time in blind (min) | 7 | 7 |



The fitting constraint:



CAUTION:

220 mm =

Motor (206 mm)
+ [2 x stop rings
(14 mm)] + gap



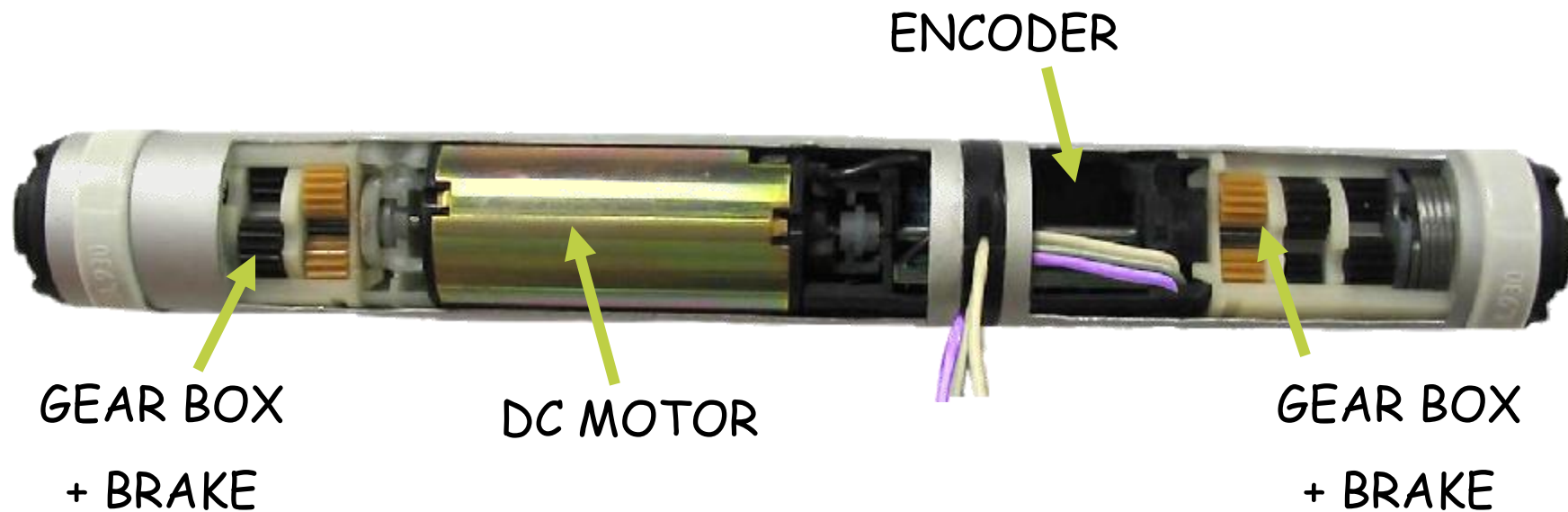
The setting up:



IV - LW 25 E (Central fitting encoder motor):

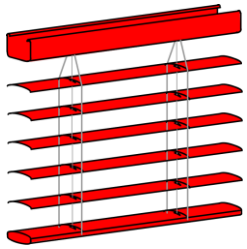
CORD LIFT & TILT
MOTORIZATION

24 Vdc double output shaft motor with integrated brake, encoder, and shaft play equalizer. Dedicated to control of end-products used for light management inside commercial Buildings.

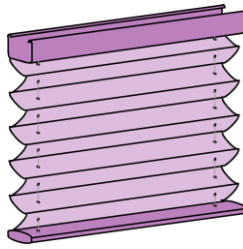


End products compatibility:

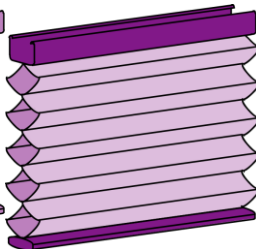
VENETIAN



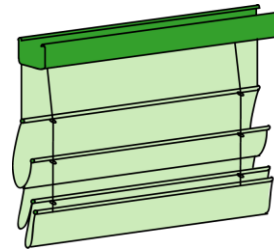
PLEATED



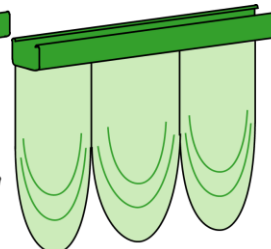
CELLULAR



ROMAN



BALLOON

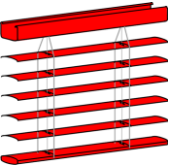



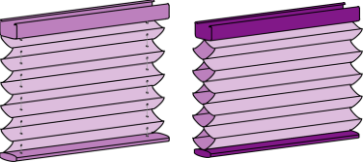



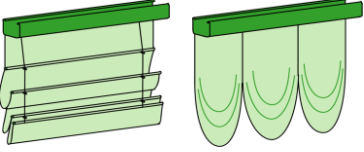



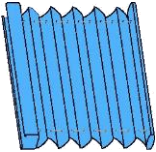





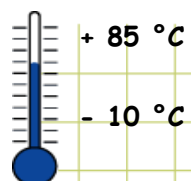
ROLLER



IV - LW 25 E (Central fitting encoder motor):

CORD LIFT & TILT
MOTORIZATION

| | TRADITIONAL | BREATHING DOUBLE GLAZING | DOUBLE SKIN |
|---|--|---|---|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |



**CAUTION: USE ONLY
LONG SHAFT
ADAPTERS**



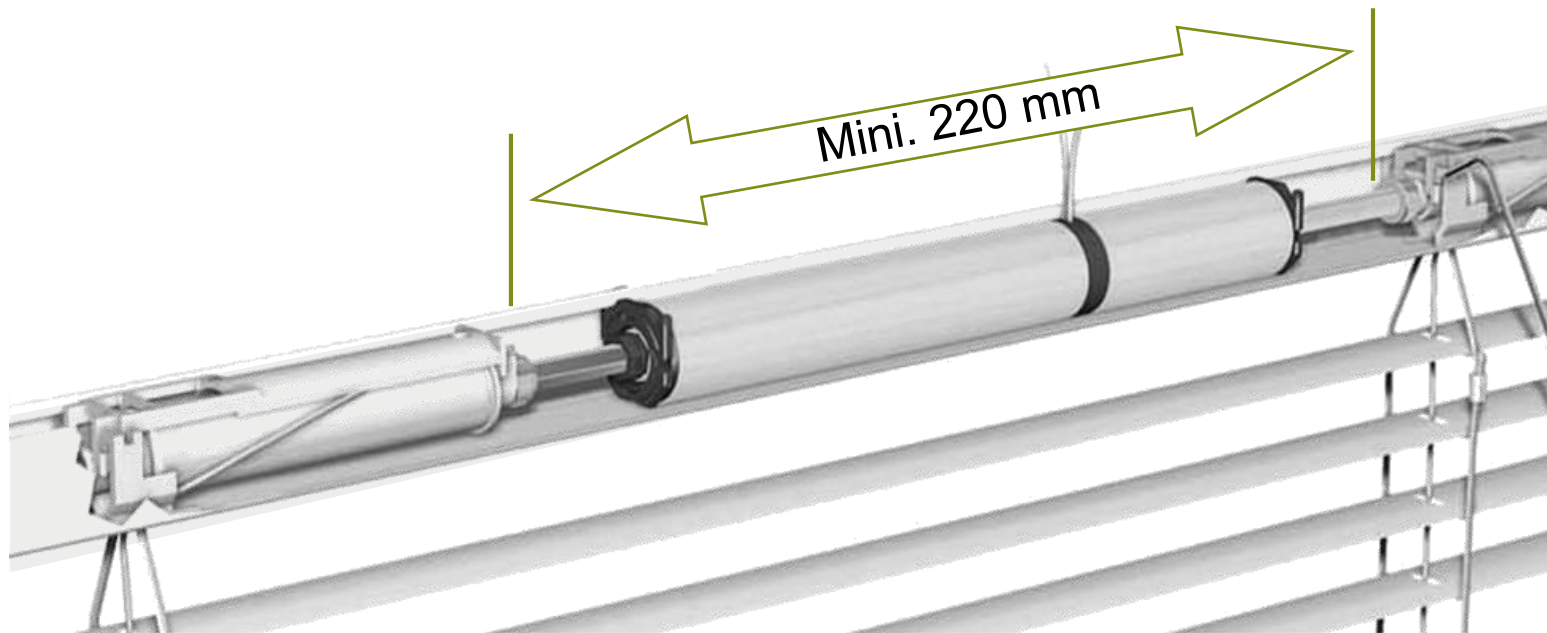
The range

TECHNICAL SPECIFICATIONS

LW 25 E 83

| | |
|---|-----|
| Nominal torque (Nm) | 0.8 |
| Stall torque (Nm) | 1.2 |
| Nominal speed at 25 °C (rpm) | 30 |
| Current at nominal torque (mA) | 500 |
| Current at stall (mA) | 650 |
| Nominal supply voltage (Vdc) | 24 |
| Minimum supply voltage (Vdc) | 20 |
| Maximum number of turn in one direction | NO |
| Maximum off-center of the output shaft (mm) | 0.7 |
| Maximum running time in blind (min) | 7 |

The fitting constraint:



CAUTION:

220 mm =

Motor (206 mm)
+ [2 x stop rings
(14 mm)] + gap

The setting up:

CTS 25

CTS 25



STOP
RINGS



CAUTION:

No mechanical stop
required

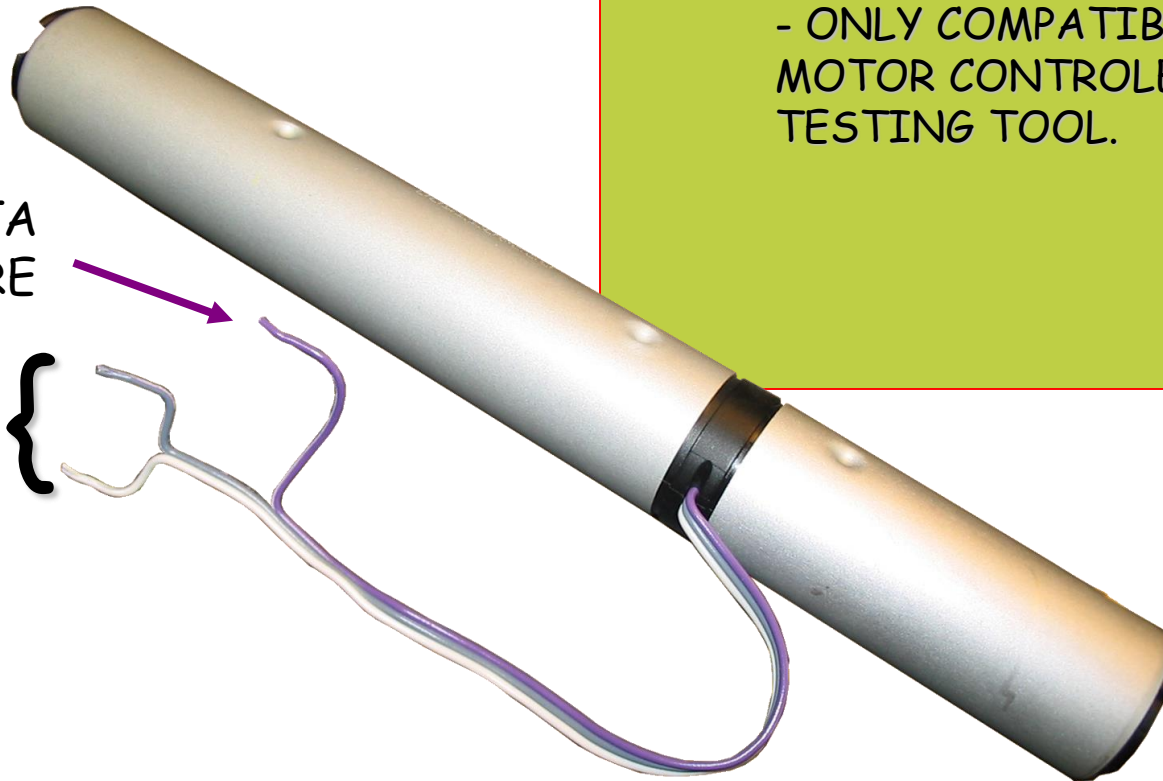


The wiring:



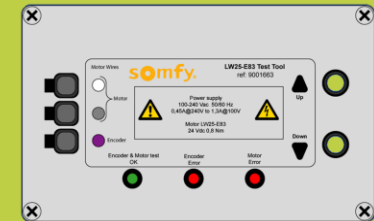
DATA
WIRE

24 Vdc



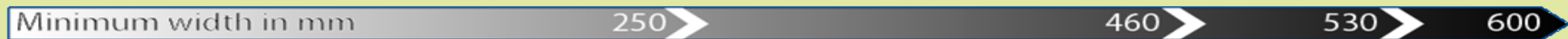
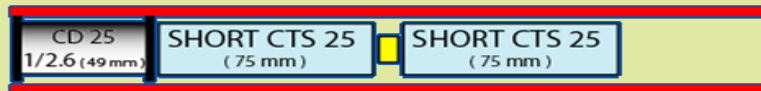
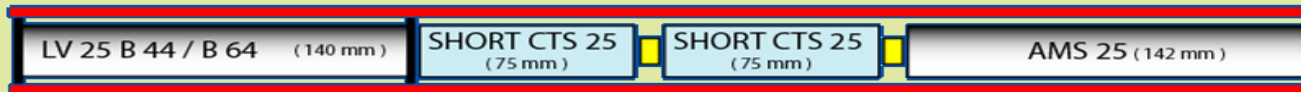
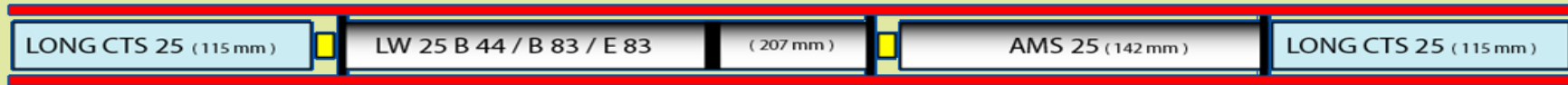
- NEVER SUPPLY THE DATA WIRE
WITH ANY POWER SUPPLY.

- ONLY COMPATIBLE WITH 2DCE
MOTOR CONTROLER & LW 25 E-83
TESTING TOOL.



V - MOTOR TEMPLATE

CORD LIFT & TILT
MOTORIZATION



- ALL THESE DIMENSIONS ARE GIVEN
WITHOUT ANY WALL OR CEILING BRACKETS !