

fermator

AUTOMATIC DOORS FOR LIFTS

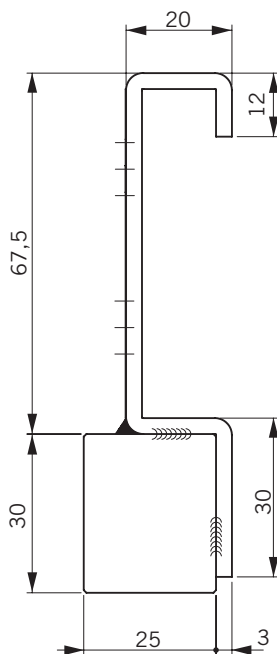
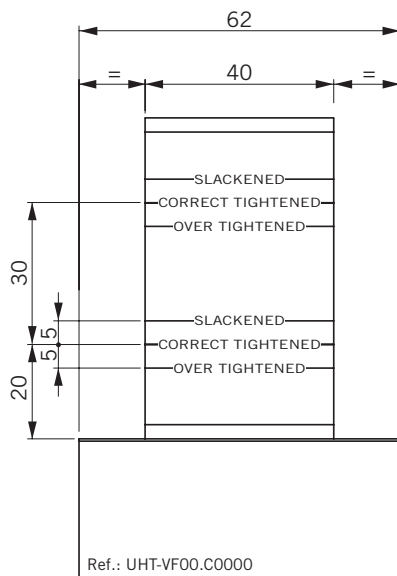
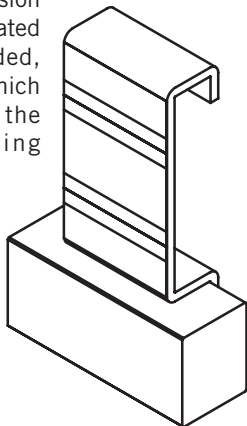
USE INSTRUCTIONS OF THE BELT CALIBRATION TOOL



MAN-MM001NGCCFE

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To perform the tension of the belt a calibrated tool will be needed, such as the one which can be seen on the following drawing below:

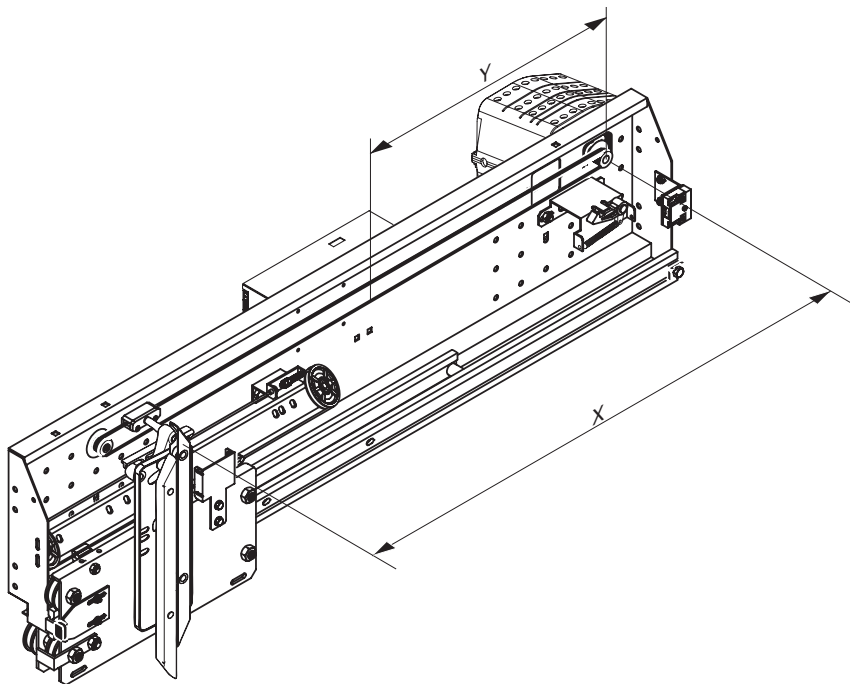


TO BE CONSIDERED

The calibrated weight has to be set on the upper part of the belt to apply a force of 500 gr. to the belt. If this one is over tensioned the belt will match with the lower of the three lines printed in the label of the calibrated weight (Over Tightened). If the tension is the correct one the belt will match with the middle line (Correct Tightened). The last situation it can be found in installations; where the belt tension is too low so the weight will force the belt until it feeds with the upper line (Slackened).

To set the weight in the correct position it must be set the clutch on the X distance which will always be 50 mm. more than the clear opening position and the weight must be set in the middle distance between the motor pulley and the clutch. See below a table with some examples for diferent Clear Opening.

! This method will be applied in does door drives with one or two motors.

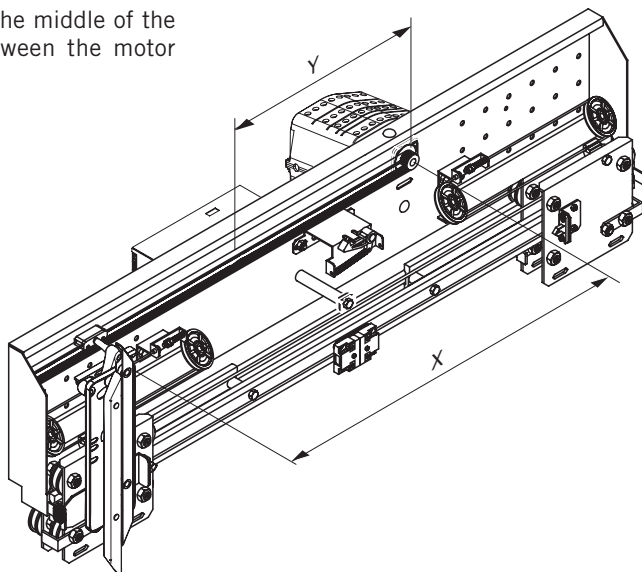


! Use $\varnothing 30$ marks from calibration tool.

Calibrated Weight Position		
Clear Opening (mm.)	X (mm.)	Y (mm.)
750	800	400
800	850	425
900	950	475
≥ 1000	1050	525

The way which the weight must be used in a central door is similar to the telescopic but instead of the clear opening distance plus 50 mm. in this case the clutch must be set at the middle of the clear opening plus the 50 mm. and the calibrated weight must be set at the middle of the resultant distance between the motor pinion and the clutch.

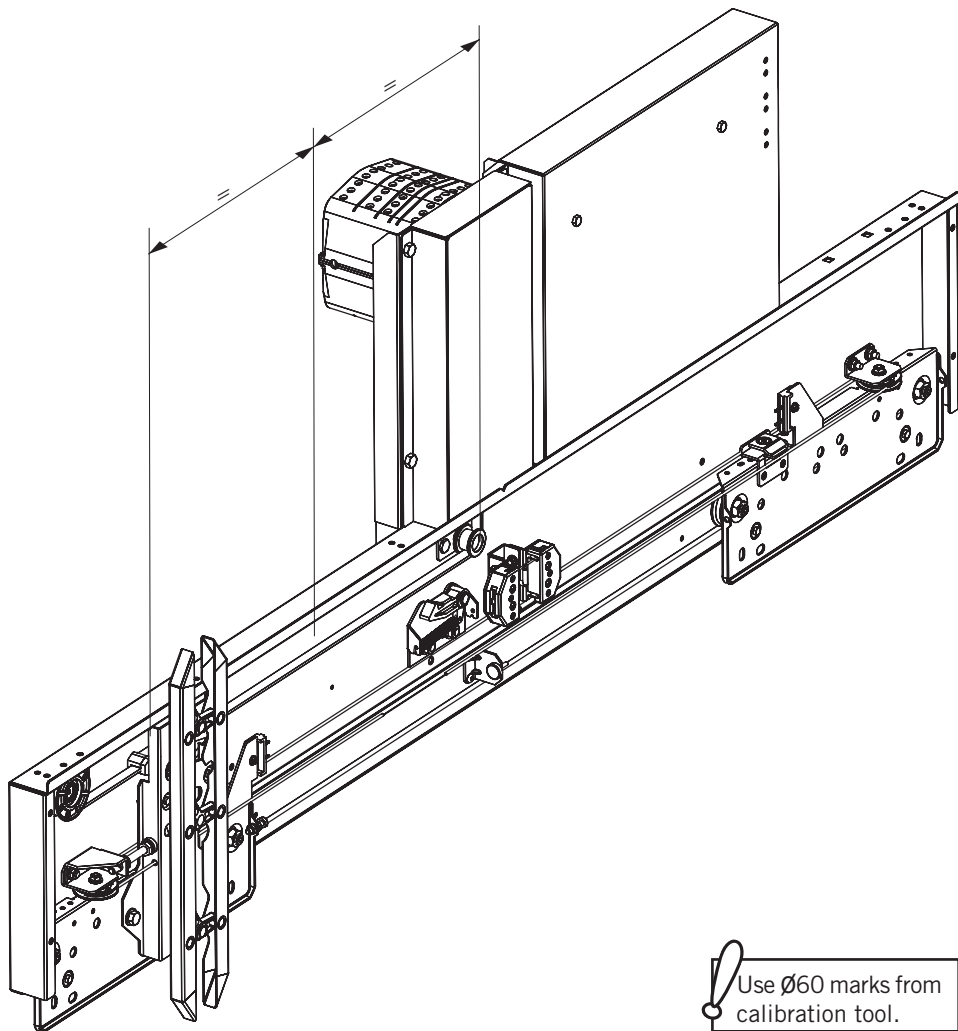
! Use $\varnothing 30$ marks from calibration tool.



! If the door drive has **two motors**, in this case it will be treated as if was a telescopic door. We must focus only on the side which has the clutch fitted to the top part of the belt. From this point follow the steps written in page 5.

Calibrated Weight Position		
Clear Opening (mm.)	X (mm.)	Y (mm.)
750	425	212
800	450	225
900	500	250
≥1000	550	275

For a correct calibration, open completely the carriage and set the calibrated weight on the centre of the teeth belt . It is considered a correct tension when the lower part of the teeth belt matches with centre line.



ATTENTION: Any type of modification not reflexed in this manual, before testing it should be notified to our Technical Department.

FERMATOR declines all responsibility in the case of damages produced in the operator and installation, if the instructions given have not been followed.

FERMATOR reserves the rights to modify the products specifications of this technical brochure without any previous advise.