

1. Calibration



WARNING: All balancing devices delivered are already calibrated before delivery! A calibration must ONLY be performed if the balancing device starts to show incorrect information when balancing - Otherwise it must be calibrated once a year when the balancing device must have been serviced.

A calibration is performed only if the user is in doubt about the balancing result - This can be if the balancing device has been moved or does not have a proper and firm underlay.

1.1 – Press the ESC-button until you reach the main menu (Se fig. 2.0)



Fig.2.1 – Main menu

Press the UP/DOWN button to navigate to the "Calibration" menu and press ENT. (Se fig. 2.2)

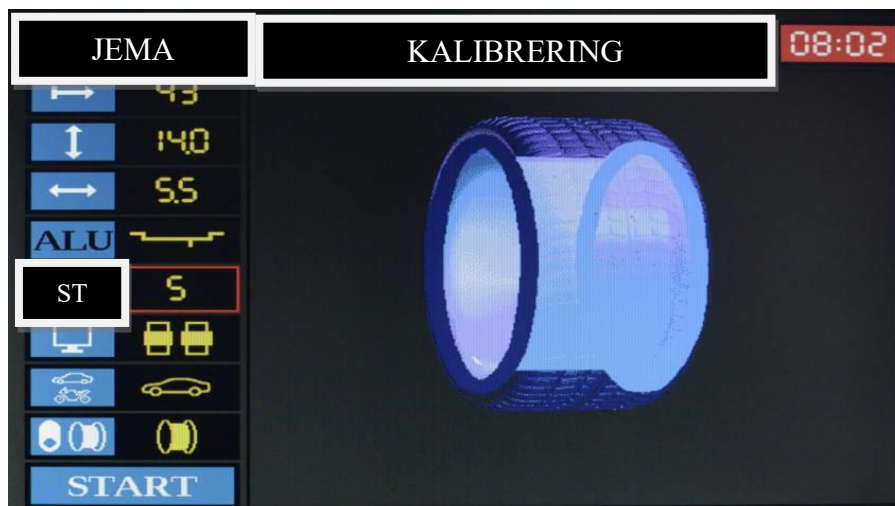


Fig. 2.2 – Calibrationprogram

1.2 Choose the calibration mode

All balancers are supplied with a special calibration unit. There are 2 options for the user to calibrate the balancer, one is with a wheel or second with the calibration unit.

Press the up or down arrow until you are presented with the screen below - Here the user selects with the +/- key whether it should be with the calibration unit or with wheels. (Fig. 2.3)

If the user selects with wheel, the wheel must be 100% in balance and the wheel data input must be implemented before the user enters the calibration menu.

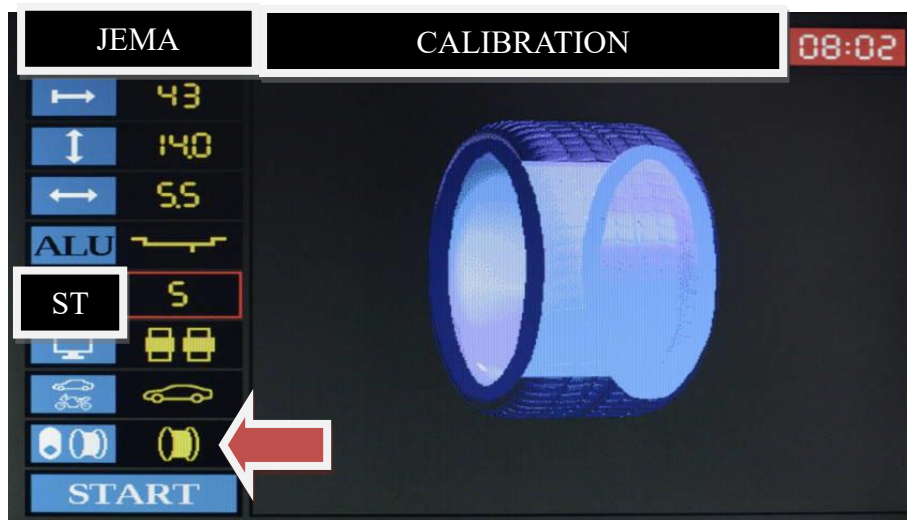


Fig. 2.3 – Selection of calibration mode (calibration unit or wheel)

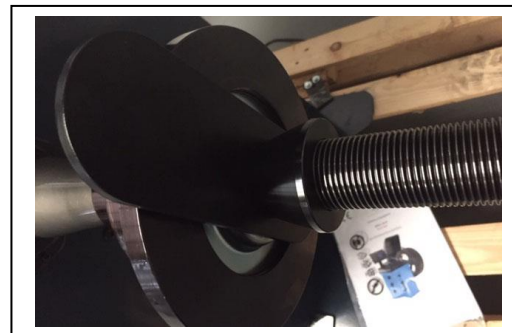
If the calibration unit is selected, there is no possibility to change the distance, diameter and width parameters of the wheel, because this information is not to be used when the special calibration unit is used.

1.3 Calibration using the calibration unit.

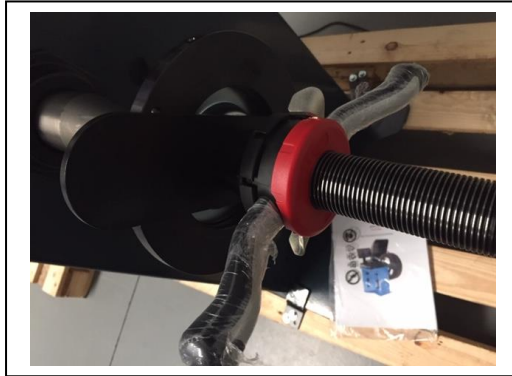
After selecting the calibration option, place the calibration unit on the shaft so that it lies completely flat against the flange plate.



Mounting of calibration unit 1



Mounting of calibration unit 2



Mounting of calibration unit 3

Insert the correct cone so that the calibration unit can be clamped with the quick clamp. Close the safety screen and press "START". When the imbalance result shows 0 inside and 80 outside, the balancer is calibrated and ready for use!



WARNING: If the user presses "START" after the calibration is performed and the special device is still mounted, the device will switch screen display to the main menu so as not to perform another calibration as the device is already ready for use.

1.4 Calibration with a wheel

Once the user has selected calibration with wheels, fit a balanced wheel (With the least possible imbalance) with known parameters. Remember that the wheel parameter must be entered in the balancing menu BEFORE the user enters the calibration menu.

Hammer a weight of 80 g on the outside of the rim. Close the safety screen and press the Start button. When the imbalance result shows 0 inside and 80 outside, the balancer is calibrated and ready for use!



WARNING: If the user presses "START" after the calibration is performed and the special device is still mounted, the device will switch screen display to the main menu so as not to perform another calibration as the device is already ready for use.



NOTE: If the wheel used for the calibration is not properly balanced, the balancer will not be calibrated correctly and therefore the balancer will not give the correct values for daily use.
