DVSA RBT (Class I & II) Equipment Approval check sheet

Date Click or tap to enter a date.

Product Click or tap here to enter text.

Supplier / Brand Click or tap here to enter text.

Inspector: Click or tap here to enter text. Contact for inspection: Click or tap here to enter text.

Location: Click or tap here to enter text.

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Area to be checked  | Status | Notes / Observations/ Evidence supplied  |
|  |  |  |  |
|  | Specification reference document | Rev level / date | Click or tap here to enter text. |
| 1 | **Technical requirements**  |  |  |
| a. | Is the equipment safe to use ? | Choose an item. | Click or tap here to enter text. |
| b. | Is the equipment robustly assembled? | Choose an item. | Click or tap here to enter text. |
| 1.1 | **Roller Set** |  |  |
| a. | Rollers should not operate without wheel in place? | Choose an item. | Click or tap here to enter text. |
| b. | Isolation / power off function included on product? | Choose an item. | Click or tap here to enter text. |
| c. | Wheel slip operates in the range 27% +/- 3% | Choose an item. | Click or tap here to enter text. |
| d. | Does rollers allow testing of small scooters? | Choose an item. | Click or tap here to enter text. |
| e. | Does roller chassis accept a load of at least 750KG? | Choose an item. | Click or tap here to enter text. |
| f. | Is normal testing direction clearly marked on roller chassis? | Choose an item. | Click or tap here to enter text. |
| g. | Does any part of the roller chassis protrude more than 50mm above ground level? | Choose an item. | Click or tap here to enter text. |
| 2.1.1 | Rollers  |  |  |
| a. | Roller surface durable and not aggressive to damage tyres? | Choose an item. | Click or tap here to enter text. |
| b.  | Coefficient of roller surface not less than 0.6μ when wet? | Choose an item. | Click or tap here to enter text. |
| c. | Rollers have Min diameter 170mm? | Choose an item. | Click or tap here to enter text. |
|  | Rollers have a min length of 250mm? | Choose an item. | Click or tap here to enter text. |
|  | Rollers have a max length of 300mm | Choose an item. | Click or tap here to enter text. |
|  | Not greater than 400mm between roller centres  | Choose an item. | Click or tap here to enter text. |
| d. | Speed of roller surface in the range 2-5.5km/h | Choose an item. | Click or tap here to enter text. |
|  | System in place to ensure speed remain constant throughout full rage of brake force. | Choose an item. | Click or tap here to enter text. |
| 2.2 | **Brake force Display** |  |  |
| a. | Displayed in Kgf (kilogram force) | Choose an item. | Click or tap here to enter text. |
| b. | if analogue, sufficiently sensitive to show the variations in brake force caused by excessive drum ovality or disc runout. | Choose an item. | Click or tap here to enter text. |
| c. | if a VDU is used, include an additional digital display of brake force which shall be of a size that is readable from the motorcycle riding position. | Choose an item. | Click or tap here to enter text. |
| d. | Have a maximum brake force value of not less than 300 kgf | Choose an item. | Click or tap here to enter text. |
| e. | Be marked with graduations of not more than 10 kgf from zero to maximum value. | Choose an item. | Click or tap here to enter text. |
| f. | Indication of when a wheel lock has occurred | Choose an item. | Click or tap here to enter text. |
| g. | Retain the maximum brake force value until either the indication is manually reset or the rollers are re-started | Choose an item. | Click or tap here to enter text. |
| 2.3 | **Weight measurement** |  |  |
| a. | Is weighing device integrated into roller chassis | Choose an item. | Click or tap here to enter text. |
| b. | Means of measuring weight up to 250kg per wheel | Choose an item. | Click or tap here to enter text. |
| c. | If separate weighing, suitable ramps shall be provided and the under-surface of both the weigh scale and the ramps shall be non-slip. | Choose an item. | Click or tap here to enter text. |
| **2.4** | **User controls** |  |  |
| a. | Manually operated? | Choose an item. | Click or tap here to enter text. |
| b. | Suitably identified button in English or with acceptable symbols | Choose an item. | Click or tap here to enter text. |
| c. | Buttons capable of starting and stopping the roller set. | Choose an item. | Click or tap here to enter text. |
| d. | Capable of being operated from the motorcycle riding position either directly or by remote control. | Choose an item. | Click or tap here to enter text. |
| e. | If the remote control unit is not hard-wired, suitable secondary operating controls shall be available on the console, or equivalent. | Choose an item. | Click or tap here to enter text. |
| f. | Controls will be resistant to spurious signals from other sources. | Choose an item. | Click or tap here to enter text. |
| g. | system shall be in place to ensure that each remote unit is dedicated to operate only one RBT when two or more are used in close proximity. | Choose an item. | Click or tap here to enter text. |
| h. | provision of safe storage shall be provided for the remote control unit when not in use. | Choose an item. | Click or tap here to enter text. |
| i.  | Visual indication when rollers are operating | Choose an item. | Click or tap here to enter text. |
|  | If bi-directional rollers which direction rollers are turning. | Choose an item. | Click or tap here to enter text. |
| j. | A durable notice stating “RBT shall NOT be used in automatic mode for MOT Testing” if the RBT is equipped with an automatic facility. | Choose an item. | Click or tap here to enter text. |
| 2.5 | Brake Efficiency |  |  |
| a. | Display or have ability to calculate brake efficiency ? | Choose an item. | Click or tap here to enter text. |
| b. | Calculations of efficiency is in compliance with MOT testers manual. | Choose an item. | Click or tap here to enter text. |
| 3 | Calibration |  |  |
| a. | Equipment available to check brake force at 0, 50, 100, 200 & 300 kgf?  | Choose an item. | Click or tap here to enter text. |
| b. | Is calibration equipment traceable to a national physical standard?  | Choose an item. | Click or tap here to enter text. |
| c. | Is certificate serial numbered? | Choose an item. | Click or tap here to enter text. |
| d. | Are all brake forces recorded in KGF? | Choose an item. | Click or tap here to enter text. |
| e. | Is weighing measured in KG | Choose an item. | Click or tap here to enter text. |
| f. | Calibration is with the set tolerances? | Choose an item. | Click or tap here to enter text. |
| g. | Means of measuring rolling torque without wheel in rollers and results less that 9kgf? | Choose an item. | Click or tap here to enter text. |
| h. | Equipment / system available for checking weighing system at 0, 50, 100 & 200 Kg. | Choose an item. | Click or tap here to enter text. |
| 4 | Documentation |  |  |
| a. | Copy of operation manual  | Choose an item. | Click or tap here to enter text. |
| b. | Copy of Calibration manual | Choose an item. | Click or tap here to enter text. |
| c. | Technical drawing showing chassis, roller sizes (length / diameter) etc | Choose an item. | Click or tap here to enter text. |
| d. | Drawings showing calibration devices / equipment + formula used for conducting calibration of reference force values. | Choose an item. | Click or tap here to enter text. |
| e. | Technical overview of operation of equipment and safety devices as appliable | Choose an item. | Click or tap here to enter text. |
| f. | Information on Coefficient of roller surface and how this has been validated. | Choose an item. | Click or tap here to enter text. |
| 5 | Notes / comments |  |  |
|  |   | Choose an item. | Click or tap here to enter text. |