

# **AVERY NIGERIA LIMITED**

## SUPPLIED TRUCK SCALES



### DESCRIPTION

#### General

Non-self contained steel top road weighbridge suitable for pit or surface mounting.

#### Platform Structure

Modular 220mm “U” beam construction comprising six 5.70m X 1.5m sections for site bolt together assembly; top plate: 10mm thick Durbar Chequer plate for improved traction; sand blasted and finished in anti corrosion primer and paint. Safe overload: 120%.

#### Load Cells

8 x DZBM-62-30t stainless steel compression load cells (with safe overload 150%) hermetically sealed to IP68. Load cell cables are terminated in platform mounted stainless steel junction box(es). (Avery Nigeria can offer Avery Weigh-Tronix T301x digital load cells if there is a long distance to the weigh-office - up to 1000 metres.)

#### Free Motion

Self centering is a feature of the stainless steel strut unit assemblies.

#### Restraint

Adjustable bolts are set to engage the end kerbs. Reinforced RSJ end kerbs can be supplied as an option

#### Indicator Systems

All Avery Weigh-Tronix standard indicators designed for weighbridge applications are suitable for use with this range of weighbridges with analogue load cells. Avery Weigh-Tronix T301 digital load cells are supported, other indicators can be supplied specific to particular digital load cells.

#### Hazardous Areas

Suitable for Zones 1 and 2 with Avery Nigeria supplied SysTec indicators and ATEX protections

## **AVERY NIGERIA LIMITED**

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## SPECIFICATION

### Strength

35 tonnes per module evenly distributed. All sizes are designed to carry any vehicle covered by the Motor Vehicle (Construction and Use) Regulations. Although many vehicles not covered by regulations with regard to axle loading and spacing may be carried, it is important that confirmation is obtained. The basic construction, load cells and free motion units are in accordance with the requirements of OIML and EU regulations

### Environment

Consistent with conditions pertaining to a well drained outdoor installation

Operating temperature range: -20° C to + 50° C

Resistance to electrical disturbances - complies with the requirements of EN 45501

### Dimensions and Foundations

17.2 m(l) X 3.0 m(w) x 0.4 2m(h).  
3 main sections supported on 8 load cells

Foundation drawing to be supplied on receipt of order, drawing states loading factors and should be built to suit site conditions. Drawings for either pit mounted or surface mounted can be supplied. Access to load cells (for maintenance etc. is from the side so pit mounted variants will need to consider access).

### Shipping

Containerised sections for site assembly of the platforms. Off-loading and installation at customers site only requires a fork lift truck - heaviest section is max. 3000kg.

### Options

Most weighbridges supplied are surface mounted and the approach ramps are cast in concrete which are made to suit the site topography. We can supply steel ramps which are only suitable if the approach land is flat and even.

Side rails can be ordered as an option

Earth rods - one per pair of load cells: this should be considered with the site earthing/power supply.

### Indicator/Accessories

Avery Nigeria primarily supply and support Avery Weigh-Tronix indicators and accessories. These include remote displays, traffic management and software packages. Our Sales Department will provide information on request.

## Avery Weigh-Tronix



IP69K Stainless Steel Enclosure  
Graphic Display

IP66 Stainless Steel Enclosure  
Graphic Display

*Avery Weigh-Tronix ZM510 indicator -  
desk top/wall mounted and panel mounted*

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