

H401

baggage weigher weighframe

Description

General

The H401 is a weighframe designed specifically for conveyor weighing at airport check-in desks. Enlarged versions are available for Out Of Gauge weighing.

The general construction is standard but the final design is dimensionally optimised to suit each conveyor application.

The low profile scale comprises a top frame mounted on four load cells. Each cell is connected to a mounting foot via a ball and cup assembly. This arrangement ensures an undistorted application of load with fast weight stabilisation.

On installation the weighframe load cell feet are located by L-shaped brackets attached to the floor.

The H401 is fabricated from mild steel.

The load cells are terminated in a junction box. A 5 metre cable provides a single load cell input to the indicator. The H401 is able to interface to all Avery Weigh-Tronix indicator systems although it would normally be used with the L118.

The H401 is approved to OIML R76. The number of approved divisions is dependent on the load cells and the indicator used.



Specification

Sizes and Capacities

Weighframe Size

To suit conveyors up to two metres long by one metre wide as shown overleaf or up to three metres long by one and a half metres wide with a more robust frame and at a greater depth.

Capacities

Typically between 150 kg and 500 kg.

Material

Mild steel finished with a dark grey hammer stoving paint.

Approvals

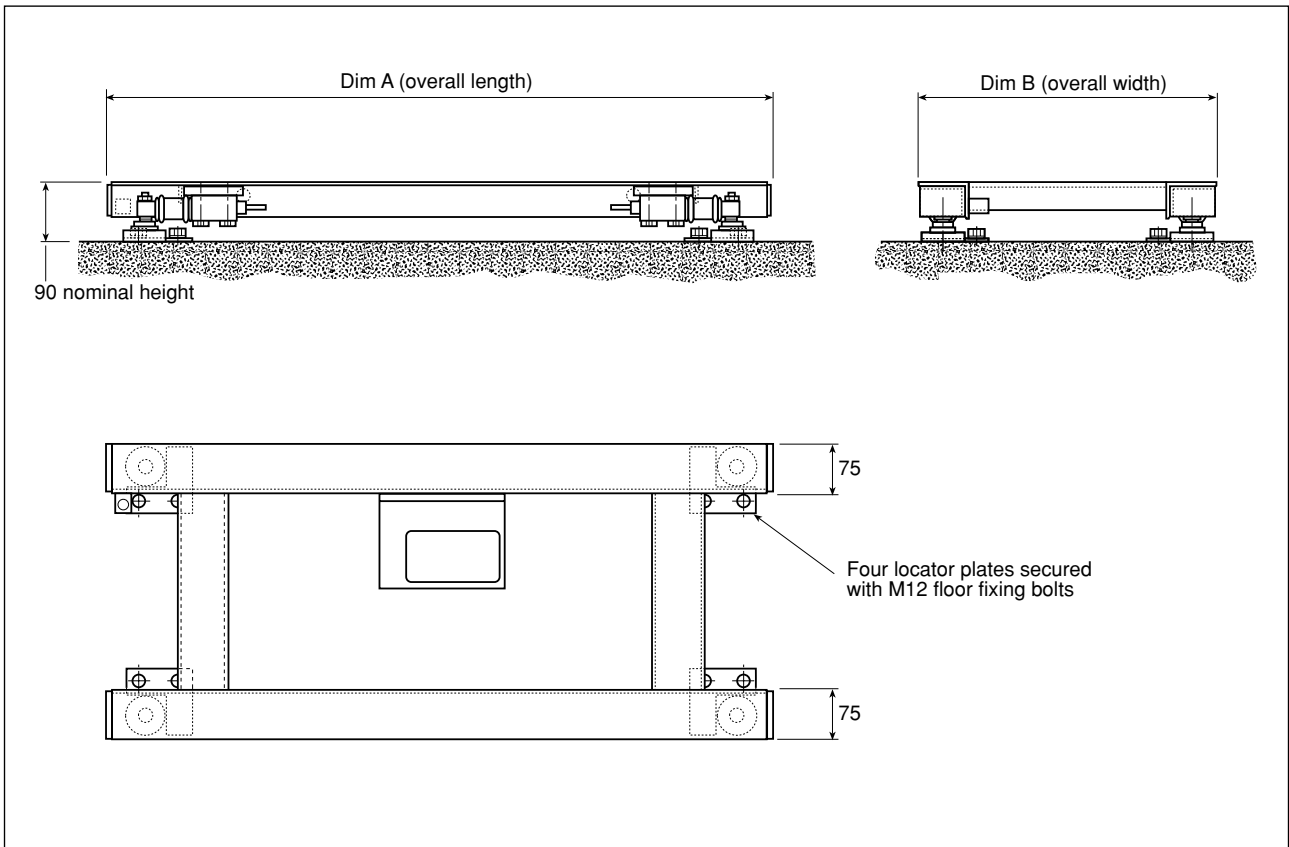
All data relating to the performance of the machine meets and exceeds requirements of EN45501:1994 European Approval ('E' Approval) Class III Accuracy machines.

Environment

Operating Temperature
-10° C to 40° C (ambient).

Storage Temperature
-20° C to 60° C (ambient).

Resistance to Dirt & Moisture
Sealed to BS EN 60529:1992 Classification IP67.



Application

Conveyor

The weighframe supports a wheeled conveyor (wheeled to provide regular cleaning and maintenance access). Guide channels may be mounted along the weighframe to contain the wheels.

The conveyor must be fitted with integral sides which are weighed with the conveyor so that baggage leaning on the sides will not cause weighing errors.

Weighframe

A planning-in drawing for a conventional check-in desk L401 is shown above.

The Out Of Gauge H401 follows a similar construction but to an increased size and strength and requires greater depth.

To prepare a design for an application four items of key information are required:

1. Conveyor flat bed length (the distance from the centre of the head drum to the centre of the tail drum).
2. Conveyor flat bed width (the distance between the inside faces of the conveyor side walls).

3. Weigher capacity.

4. Conveyor approximate weight.

Other factors may be varied to suit an application.

Heights may be increased, the position of the junction box may be moved, conveyor guide channel mounting holes may be specified.

This data is used to calculate optimum weighframe dimensions and costs for each proposal.

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