



Static load testing of roof hooks:

We tested the maximum pressure load for a standard roof hook in our range and the resulting deflections of the roof hook bracket and base plate at an angle of 20 degrees.

Test setup:

It is measured by using a balance (up to 1.5 tonnes) and precision gauges.

Test objects:

Pan tiled roof hooks with base plate, height = 130 mm, heavy duty, stainless steel, welded to the left

The pressure load is carried by a spindle scissor.

Experiment:

The standard roof hook is fixed to the outer anchorage. To detect the bending of the base plate and the bracket, gauges are mounted. The rising roof load is then transferred onto the scale. Finally, strain and deflection are recorded.

Evaluation:

