

Test Report

Test details : Point load testing of GB950 100x50 Gallows Bracket

Date : 10/11/2017

Purpose of test: To establish the end point load rating to failure of the above bracket

Location: Ram Extrusion Ltd , Droitwich.

Tested by: A.Watts (M.D), R.Russell (Tech. Dir)

Test procedure

1. Secure the GB to an immovable object in this case a steel I beam using 1t rated claps
2. Hang a large crate/box off of the end of the GB using 1t rated straps
3. Using 25Kg bags of material load the box 25Kgs at a time and leave for 1 minute
4. Repeat 3. until the bracket fails
5. Weigh and record the weight of the total load at failure including box, straps, etc

1.



2./3.



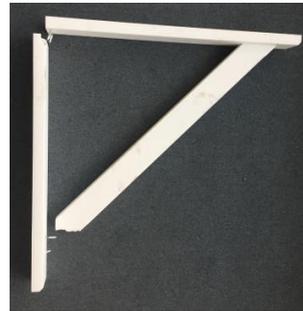
4.



5.



5.



Result

The box was loaded as above until the bracket failed after approx. 10 secs from loading and the weight was recorded at 617.5Kgs, thus giving this as the result for the failure point of this bracket.

Comment

Please note that it is unusual to load a gallows bracket in this way and this is an excellent result under the most onerous conditions that a bracket would be used under and we would expect to get a higher result if this bracket had been tested with a uniformly distributed load (UDL Test)

Allan J Watts

Managing Director

For and on behalf of RAM Extrusion Limited

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