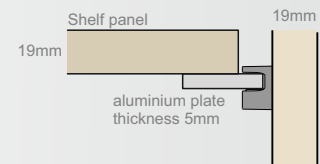
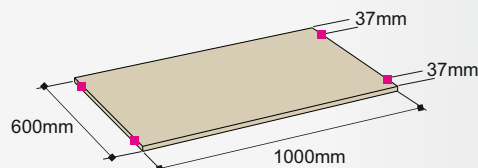
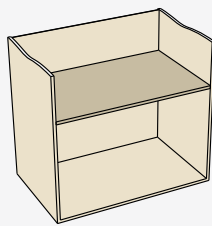


	Item: GRACE pin Ø5mm Glass shelf support Result: Passed test with load 180 kg Capacity loading 90 kg per shelf --> 22,5 kg load capacity per shelf support in accordance to regulation UNI EN 16337:2013 Test laboratory: 
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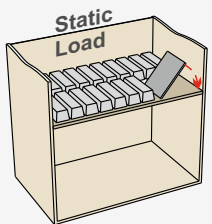
Shelf dimension



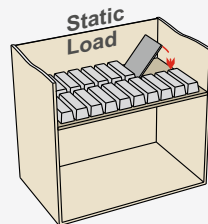
Tests carry out with chipboard panel and aluminium plate to simulate the glass thickness.

Sequence of tests on same shelf

STEP 1
Impact test right side



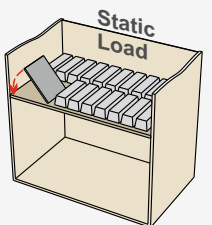
10 times Impact mass right front side



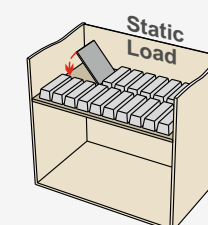
10 times Impact mass right back side

Static load 180 kg
+
Impact test with mass 1,7 kg

STEP 2
Impact test left side



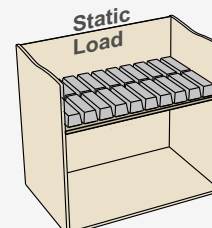
10 times Impact mass left front side



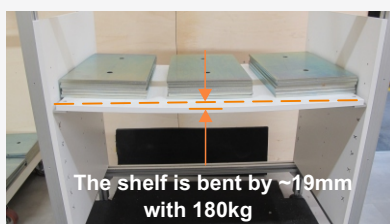
10 times Impact mass left back side

Static load 180 kg
+
Impact test with mass 1,7 kg

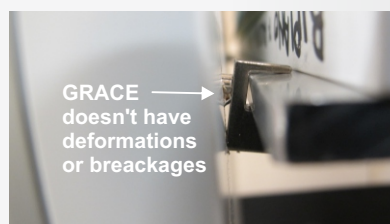
STEP 3
Permanent static load



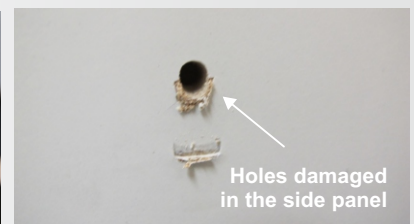
Static load 180 kg



The shelf is bent by ~19mm with 180kg



GRACE doesn't have deformations or breakages



Holes damaged in the side panel

At the end of the tests the shelf panel is still in safe condition.

Please, note that the load capacity test for glass shelf support doesn't take into consideration the behavior of glass shelf and quality of side panel material.