

TEST REPORT

PRODUCT: Stainless Steel Posts (Square & Round)
CODES MET: NBC 2015, Section 9.8.8.2. *Loads on Guards*
DATE: November 28, 2017


Intertek Testing Services NA Ltd. (Intertek) has conducted an evaluation on stainless steel post products for Geo. Bezdán Sales Ltd. in accordance with Section 9.8.8.2 of the 2015 National Building Code of Canada (NBC).

The posts were securely mounted to a test frame and loaded at a 35.4 in. (900 mm) height using a hydraulic ram and S-type load cell assembly. Each post was loaded to a concentrated load of 375 lbs. After holding for 1 minute, the load was continuously increased until maximum failure occurred. The maximum load and the mode of failure were reported.

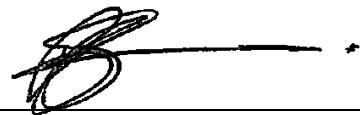
Table 1. Test Results	
Property	Average Load
Post Concentrated Load Test	
• 38 in. long x 40 mm x 40 mm square tube stainless steel with 2 mm wall thickness (machined base plate)	426.8 lbs
• 38 in. long x 1-½ in. diameter hollow stainless steel alloy 201 post with 2 mm wall thickness (machined base plate)	461.0 lbs ¹
• 38 in. long x 1-½ in. diameter hollow stainless steel alloy 201 post with 2 mm wall thickness (cast base plate)	379.9 lbs ¹

If there are any questions regarding the results contained in this report, or any of the other services offered by Intertek, please do not hesitate to contact the undersigned.

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