

28 January 2015

Wilmaplex Pty Ltd.
57 Lathams Road,
Carrum Downs, Vic 3201
 Mr Graham storey

RE/ Wilmaplex Triple Grip TGRH & TGLH Design Capacity

This is to confirm that Wilmaplex commissioned Monash University to undertake the task of evaluating the design capacity of G300 Z275 Triple Grips TGRH & TGLH. The evaluation was carried out via testing and computations based on 3.15x35mm Wilmaplex galvanized flat head nails. The limit states design capacities for Triple Grips are given in Table 1.

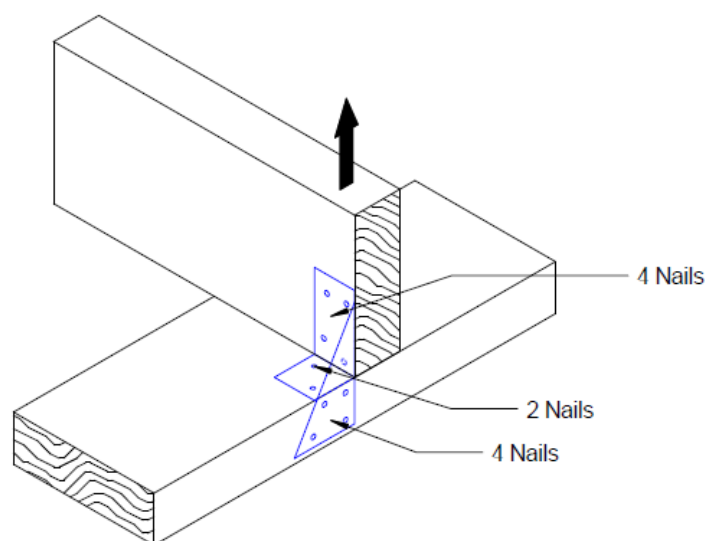


Figure 1 Details of Triple Grip TGRH & TGLH

Notes:

1. A capacity factor $\phi = 0.85$ and a duration factor $k_1 = 1.14$ for wind uplift loading was applied to all the capacities in Table 1.
2. The values in Table 1 apply to Category 1 joints, design capacities for joint groups 2 and 3 are 0.94 and 0.88 consecutively.
3. Computations were undertaken in accordance with the relevant Standards, AS1720, AS/NZS1170 series and AS4055.

Dr Con Adam
 Senior Research Fellow
 Monash University/Civil Engineering

Building 60, Clayton Campus, Wellington Road, Clayton
 Telephone +61 3 9905 4316 mob. +61417 382 724 con.adam@monash.edu
 www.monash.edu.au
 ABN 12 377 614 012 CRICOS provider number
 00008C

Table 1 Limit states design capacities for Wilmaplex Triple Grips TGRH & TGLH

Load case	Load direction	Design capacity (kN) per triple grip for timber joint group:
Wind uplift (1.2G + W _{dn}), k ₁ =1.14	As shown in Figure 1	JD4
		3.1