

Client:	Bettazza Graniti SA, Cevio
Work:	Certification of natural stones
Date:	25.04.05 Mandate: 04-4389

DETERMINATION OF THE BREAKING LOAD AT DOWEL HOLE

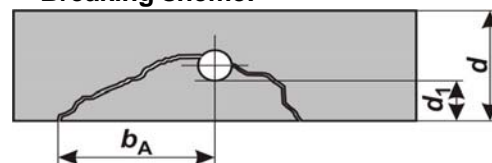
Standard: EN 13364

Tested samples:

Description: Biotitic paragneiss
Location: Quarry Boschetto, Bettazza Graniti SA, CH - 6675 Cevio
Dimensions: Slabs 200x200x30 mm
Sampled by: Client
Date of delivery: 22.02.05
Date of testing: 18.04.05
Technician: Dr. F. Jauch

Preservation: In laboratory at room conditions
Loading orientation: Perpendicular to the schistosity
Fixing: Cement CEM I 52.5 R
Hole diameter: 10 mm
Pin diameter: 6 mm

Breaking scheme:



Name	Dimensions	Thickness d [mm]	Distance d_1 [mm]	Distance b_A [mm]	Breaking load F [kN]
1	200 x 200	30.1	10.0	89	1.77
2	200 x 200	30.1	12.0	69	1.97
3	200 x 200	30.1	10.4	71	1.89
4	200 x 200	29.7	10.7	71	1.92
5	200 x 200	29.3	9.6	73	1.93
6	200 x 200	30.1	11.4	70	1.74
7	200 x 200	30.1	12.8	89	2.39
8	200 x 200	30.2	11.3	73	1.94
9	200 x 200	30.1	12.2	71	1.99
10	200 x 200	30.1	12.1	71	2.02
Average values		30.0 ± 0.3	11.3 ± 1.1	75 ± 8	1.96 ± 0.18

Remarks:

Checked and approved by: Dr. M. Di Tommaso

