

SIDE PULL TESTS ON "BUZON" DPH5 PEDESTAL

Test report No. GT 7660/03.

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Number of pages: 3

Requested by: BUZON Pedestal International s.a. (BPI) Belgium
Z I des Hauts Sarts, zone 1
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Description of the product tested:

- A. The Buzon pedestals type DPH5, adjustable in height from 10 to 17 cm (with a corrector for slopes from 0 to 5% fixed on the head of the pedestal), have a thickness of +/- 5 mm and are made up of 5 pieces: (photo No. 1)
- A circular base (Ø 200 mm).
 - A reverse threaded ring screwed into the support base.
 - A circular head (Ø 150 mm).
 - A corrector for slopes from 0 to 5 cm / metre fixed to the pedestal head.
 - A tray with four slab separator tabs that can be fitted to the head of the pedestal.
- B. For adjustments above 17 cm, the DPH5 pedestal can be fitted with sleeves, type C2/DPH5 (photo No. 2). The C2/DPH5 sleeve, with a thickness of +/- 5 mm, is made up of a section with an outside thread that can be screwed into the reverse threaded ring and a section with an inside thread into which the head of the pedestal can be screwed.

The DPH5 pedestal is adjustable:

- with 1 sleeve, from 17 to 29 cm
- with 2 sleeves, from 24 to 40 cm
- with 3 sleeves, from 32 to 52 cm
- with 4 sleeves, from 39 to 62 cm
- with 5 sleeves, from 46 to 75 cm

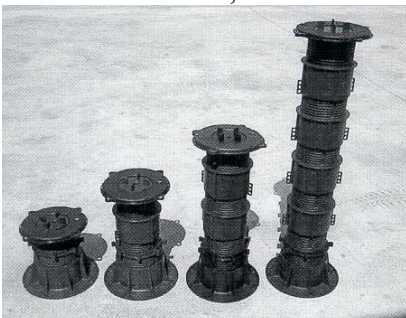


Photo No. 3

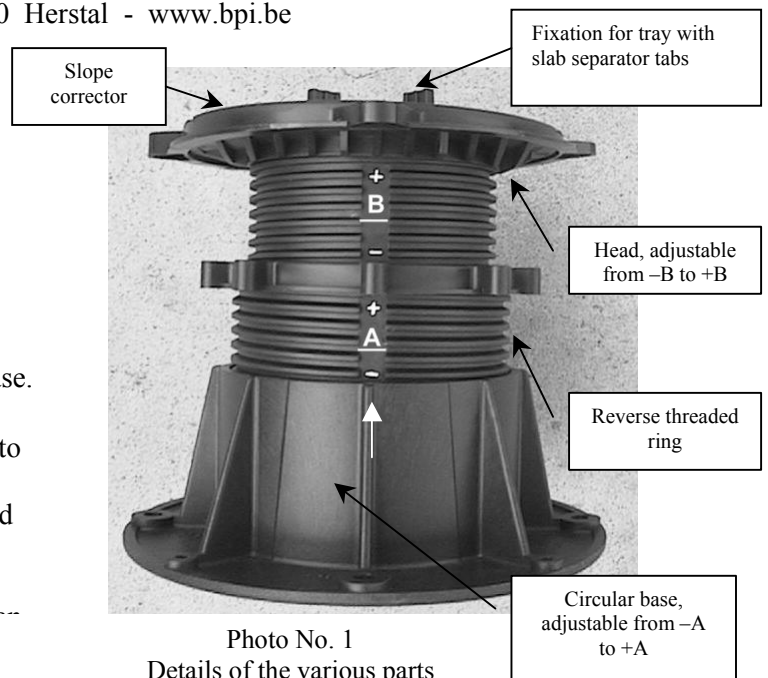
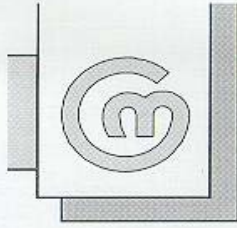


Photo No. 1
Details of the various parts
of a BUZON DPH5 support, adjustable
from 10 to 17 cm, in polypropylene



Photo No. 2
Sleeve, C2/DPH5,
in polypropylene



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The various parts of the BUZON DPH5 pedestals and C2/DPH5 sleeves are made of polypropylene loaded with 20 % talc. The pedestals are manufactured for use in the making of roofing terraces, podiums, plinths and raised false floors etc. (example: the circular base of the pedestal is bolted to the true floor and the false floor is screwed to the head of the BUZON DPH5 pedestal).

1.1. Method

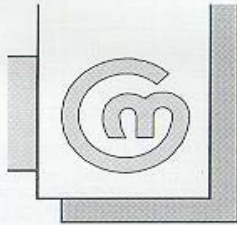
The tests were carried out on a universal testing machine, type Instron 1185 n° H – 4573, with a capacity of 100 kN, fitted with a 100 kN force transducer No. 2518 – 201. The tests were carried out in accordance with the manufacturer's recommendations. The loading speed was 10 mm/min. The BUZON DPH5 support was fixed perpendicularly to a rigid support making it possible to apply a lateral load. A series of toggles allow for horizontal adjustment.



side pull applied to a support made up of a circular base and a circular head without tray with tabs



side pull applied to a support made up of a circular base, a circular head without tray with tabs and two sleeves

**SIDE PULL TESTS ON "BUZON" DPH5 PEDESTAL**1.2. Test results

<u>Test piece</u>	<u>Number of sleeves</u>	<u>Height cm</u>	<u>F_l daN</u>	<u>F_l lbf</u>	<u>Type of break</u>
1.1.	0	11	87.0	194.1	1
1.2.	0	14	80.0	178.5	1
1.3.	0	17	76.0	169.6	1
2.1.	2	28	55.0	122.7	1
2.2.	2	32	49.5	110.4	1
2.3.	2	37	46.5	103.7	1
3.1.	4	40	31.5	70.3	1
3.2.	4	50	28.0	62.5	1
3.3.	4	60	27.0	60.2	1

Key: F_l: side pull at breakage, expressed in daN

Type of break: 1: breakage of radial stiffener at its junction with the bottom flange of the base

Note: 1 daN ~1 kgf~2.23 lbf

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