

DPH Pedestals - loading data

DPH pedestals

Application

Pedestals to be used in conjunction with square, rectangular or other shaped paving materials including concrete, natural stone, terrazzo, ceramic, composites and any other material formed into pavers, as well as metal grid and fibre glass grating systems.

For decking systems, including timber and composite materials

Material

Co-polymer polypropylene (CPP), material thickness 3 to 5mm.

Composition: **80% recycled** CPP, 20% talc+UV, black pigment.

Performance

Resistant to aging, poor weather conditions, UV light, almost all chemicals, and rot proof.

Suitable for use in temperatures from -50°C to +120°C.

Loading test postions

The following tables give loading data for Buzon DPH pedestals with loads applied at various postions on the load bearing top surface of the pedestal.

1/1 = load evenly applied across entirety of the load-bearing surface



1/2 = load applied to half of the load-bearing surface



1/4 = load applied to one quarter of the load-bearing surface



Loading data tables

Important note for DPH5 and C2/DPH5 loading data

When designing for the maximum permissible compressive loads for DPH pedestals, the specifier must build in the following safety factors:

1. For pedestrian areas:

Divide the values given in the following tables by a factor of 2

2. For elevated technical floors:

Divide the values given in the following tables by a factor of 4

DPH-0

Position	Load (daN)	Load (lbf)
1/1	5450	12154
1/2	2820	6289
1/4	1460	3256

DPH-1

Position	Load (daN)	Load (lbf)
1/1	5120	11418
1/2	2325	5185
1/4	1325	2955

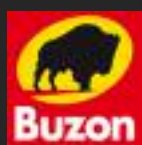
DPH-2

Position	Height (mm)	Load (daN)	Load (lbf)
1/1	45	1420	3167
1/2	45	1295	2888
1/4	45	645	1438
1/1	53	1360	3033
1/2	53	875	1951
1/4	53	375	836

DPH-3

Position	Height (mm)	Load (daN)	Load (lbf)
1/1	60	2660	5932
1/2	60	1555	3468
1/4	60	690	1539
1/1	78	1225	2732
1/2	78	685	1528
1/4	78	340	758

1 daN = 1kg/f = 2.23 lb/f



Buzon Pedestal International s.a. / n.v.

Z.I. des Hauts-Sarts, Zone 1 - Prolongement rue de l'Abbaye, 134 - B-4040 Herstal - Belgium

Tel +32 (0) 4 248 39 83 Fax +32 (0) 4 264 82 38 E-Mail info@buzon-world.com www.buzon-world.com

DPH Pedestals - loading data

DPH-4

Position	Height (mm)	Slope	Load (daN)	Load (lbf)
1/1	90	0%	2920	6512
1/2	90	0%	1680	3746
1/4	90	0%	900	2007
1/1	110	5%	1550	3547
1/2	110	5%	1040	2319
1/4	110	5%	620	1383

DPH-5

Position	Height (mm)	Slope	Load (daN)	Load (lbf)
1/1	120	0%	2020	4505
1/2	120	0%	1325	2955
1/4	120	0%	800	1784
1/1	140	0%	1870	4170
1/2	140	0%	1230	2743
1/4	140	0%	710	1583
1/1	175	5%	1640	3657
1/2	175	5%	1160	2587
1/4	175	5%	850	1896

DPH-6

Position	Height (mm)	Slope	Load (daN)	Load (lbf)
1/1	285	0%	1540	3434
1/2	285	0%	1180	2631
1/4	285	0%	720	1606
1/1	285	5%	1455	3245
1/2	285	5%	1025	2286
1/4	285	5%	800	1784

DPH-7

Position	Height (mm)	Slope	Load (daN)	Load (lbf)
1/1	400	0%	1400	3289
1/2	400	0%	1040	2319
1/4	400	0%	740	1650
1/1	400	5%	1375	3066
1/2	400	5%	1060	2364
1/4	400	5%	675	1505

DPH-8

Position	Height (mm)	Slope	Load (daN)	Load (lbf)
1/1	515	0%	1475	3289
1/2	515	0%	1105	2464
1/4	515	0%	680	1516
1/1	515	5%	1390	3100
1/2	515	5%	970	2163
1/4	515	5%	760	1695

DPH-9

Position	Height (mm)	Slope	Load (daN)	Load (lbf)
1/1	630	0%	1420	3167
1/2	630	0%	1000	2230
1/4	630	0%	665	1483
1/1	630	5%	1350	3011
1/2	630	5%	1020	2275
1/4	630	5%	550	1227

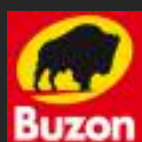
DPH-10

Position	Height (mm)	Slope	Load (daN)	Load (lbf)
1/1	745	0%	1360	3033
1/2	745	0%	940	2096
1/4	745	0%	725	1617
1/1	745	5%	1325	2955
1/2	745	5%	905	2018
1/4	745	5%	510	1137

DPH-11

Position	Height (mm)	Slope	Load (daN)	Load (lbf)
1/1	860	0%	1300	2899
1/2	860	0%	910	2029
1/4	860	0%	700	1561
1/1	860	5%	1280	2854
1/2	860	5%	890	1985
1/4	860	5%	675	1505

1 daN = 1kg/f = 2.23 lb/f



Buzon Pedestal International s.a. / n.v.

Z.I. des Hauts-Sarts, Zone 1 - Prolongement rue de l'Abbaye, 134 - B-4040 Herstal - Belgium

Tel +32 (0) 4 248 39 83 Fax +32 (0) 4 264 82 38 E-Mail info@buzon-world.com www.buzon-world.com