



# BlackJack<sup>®</sup> OneStep System

Adjustable support systems for HydraPressed Slabs



*Where function meets style*



## OneStep Pedestal System

**OneStep** is a pedestal for slab support engineered to reduce material, construction and lifecycle costs.

It has a height range of between .95" and 1.77" (24mm and 45mm) that may be increased using BJ 20E and/or BJ 40E extenders.

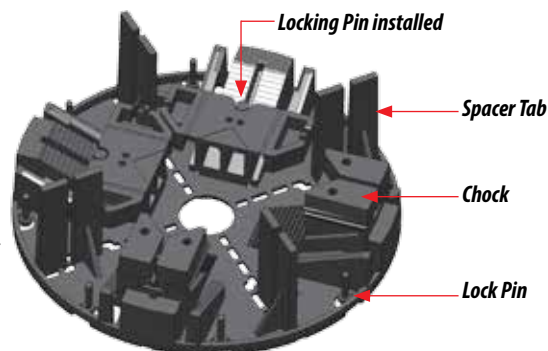
Individual chocks can be adjusted independently in 1mm increments and locked in place with the provided locking pins to compensate for uneven installation surfaces.

OneStep can be separated into halves or quarters enabling flush placement along wall edges as well as inside and outside corners.

**Supports Green Building - LEED points available**

### Advantages:

- Minimum height of .95" (24mm)
- Provides progressive 1mm height adjustment
- Lock height adjustment in place with locking pins
- Made from recycled polypropylene
- Reduces construction time
- Accommodates slabs of inconsistent thickness
- Easy to install and lightweight
- Reusable, suitable for temporary paving or retrofitting



**OneStep**



BJ 20E, 3/4" (20mm) Extender



BJ 40E, 1 1/2" (40mm) Extender

## BJ - 4mm Pedestal System

The BJ - 4mm Pedestal is an ultra-low fixed-height pedestal designed to support concrete, stone, tile and timber pavers. It also creates a drainage layer which reduces efflorescence and algae growth.

**BJ-4mm Pedestals** integrated spacer posts maintain paver positions and a consistent gap between pavers. When installed over waterproofing membrane, the 4mm thick and large 170mm diameter smooth base prevents physical damage of the membrane during placement of pavers.

**BJ-4mm Pedestals** may be double-stacked to achieve an effective height of 8mm. Further height adjustments are possible using 1mm and 2mm Neoprene shims. The 12mm high, 3mm thick spacer tabs do not protrude above the finished paved surface when used with low profile pavers.

**BJ-4mm Pedestals** may be separated into halves or quarters to enable flush placement along wall edges and also into and around corners.

### Advantages:

- Minimum height of .16" (4mm)
- Suitable for all types of pavers
- Maintains position and gaps between pavers
- Provides drainage layer beneath pavers
- Protects waterproofing membrane
- Not visible above paver surface
- Cost-effective and simple installation



BJ-4mm ultra-low fixed-height pedestals.



**BJ-4mm pedestal**



Double BJ-4mm as 8mm pedestal



1/2 BJ-4mm along wall edge



3/4 BJ-4mm around corner



1/4 BJ-4mm into corner



Made from 100% recycled polypropylene

## Technical Specifications

Material	Recycled Polypropylene	
Height Range	.16 - 4.13" (4mm to 105mm)	
Ultimate Compressive Strength <sup>1</sup>	Load on all 4 chocks	5618 lb (25kN)
	Load on single chocks	~1800 lb (~8kN)
Base Diameter	6.38" (162mm)	
Spacer Tab Height	2" (50mm)	

Spacer Tab Thickness	.12" (3mm) gap between slabs
Marginal Adjustments	.04" (1mm)
Biological / Chemical	Unaffected by molds and algae
Resistance	Good resistance to alkali and bitumen

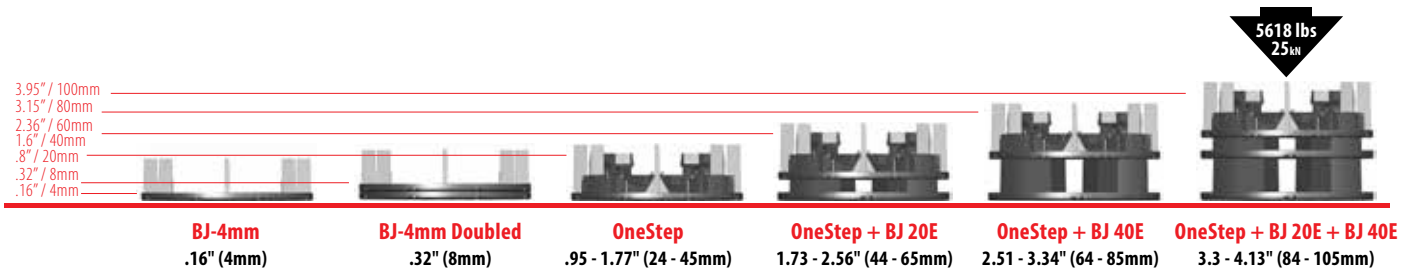
<sup>1</sup> varies with different combinations



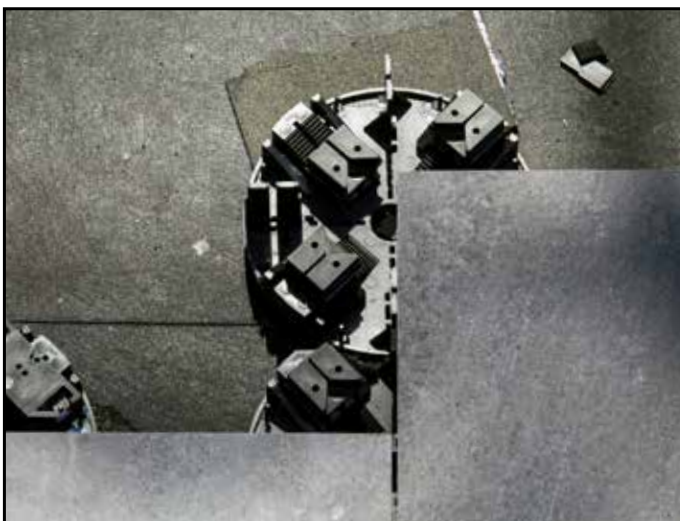
OneStep® System height adjustable pedestals for slab support, are engineered to provide a versatile and sustainable cost effective solution to support raised slab decking on uneven surfaces.

It provides a cavity to conceal services, improves both heat and sound insulation, also facilitates rapid surface drainage while allowing waterproofing and services to remain accessible. This suspended system aids in the reduction of efflorescence and algae growth.

## OneStep System Height Chart



BlackJack OneStep Extenders provide height extension up to 4.13" (105mm).



BlackJack OneStep chocks are easily adjusted to fit slope of surface area.

### Construction Benefits

Height extensions and height adjustments are easy and convenient. Independent chock adjustments can be made to compensate for differences in slab thickness.

Eliminates need for bedding sand or cement screed, reducing the load burden on building structures. It also reduces installation time and costs.

Joint sealant and grouts are unnecessary between slabs. The slab gaps provide surface drainage and allow for expansion and contraction.

### High Compressive Strength

BlackJack OneStep with Extenders up to 4.13" (105mm) has ultimate compressive strength of  $\geq 5618$  lb (25 kN).

### LEED Points Available

BlackJack OneStep System is manufactured from recycled polypropylene.

*"Engineered to reduce material, construction and lifecycle costs."*

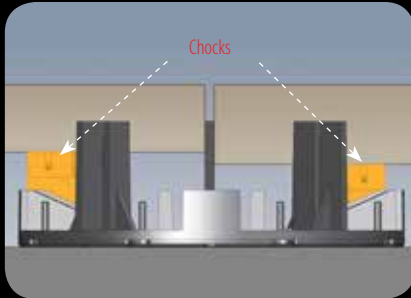


Made from 100% recycled polypropylene

# Distinctive Features

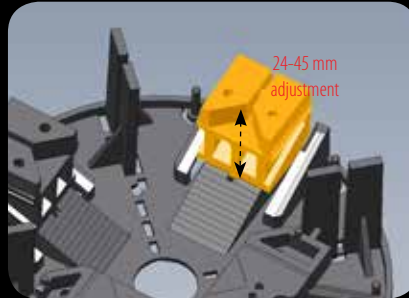
## Independent Chocks

Allow compensation for differences in slab thickness.



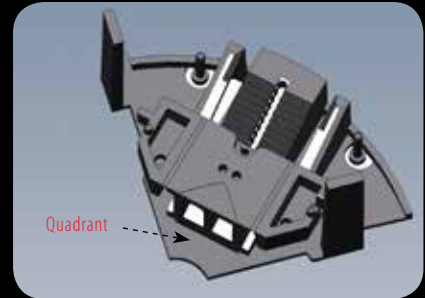
## Height Adjustable

Allows height adjustments from .95 - 1.77" (24mm to 45mm) in 1mm increments.



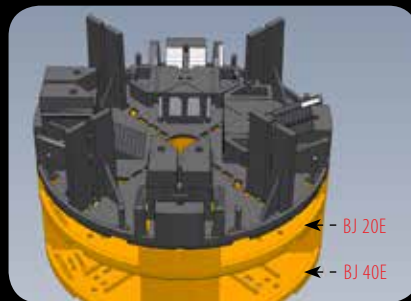
## Sectioned Design

OneStep and Extenders can be sectioned for use along edges and corners.



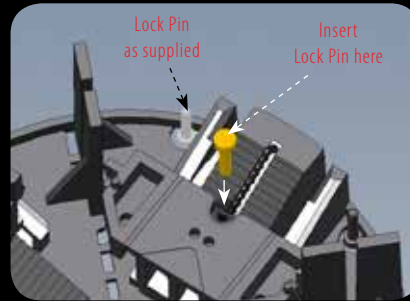
## Extended Height Range

Pedestal height can be increased with BJ 20E and BJ 40E extenders.



## Lock Pins

Lock Pins prevent accidental movement of chocks after height is set.



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Note: This document supersedes all previous versions. 28/06/2016