



BlackJack® OneStep System

Adjustable support systems for HydraPressed Slabs



BJ-4mm Pedestal

HalfStep Pedestal

OneStep Pedestal



Where function meets style



OneStep/HalfStep Pedestal

OneStep pedestals are designed for slab support engineered to reduce material, construction and life-cycle costs. They have a height range of between .95" and 1.77" (24mm and 44mm). The height may be increased to 4.1" (104mm) by using BJ 20E and/or BJ 40E extenders.

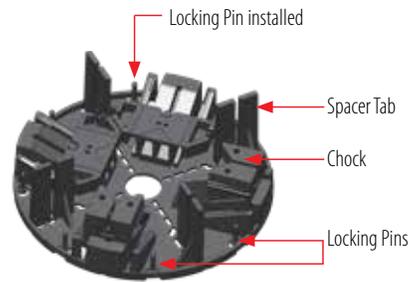
HalfStep pedestals have a height range of .47" and .94" (12mm-24mm)

OneStep and HalfStep pedestals have individual chocks that can be adjusted independently in 1mm increments to compensate for uneven installation surfaces. Both pedestals 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 Pedestal



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



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



HalfStep Pedestal



HalfStep Pedestal
chocks placed at
minimum height



HalfStep Pedestal
chocks placed at
maximum height

BJ - 4mm Pedestal

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 - 4.1" (4mm to 104mm)	
Ultimate Compressive Strength ¹	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

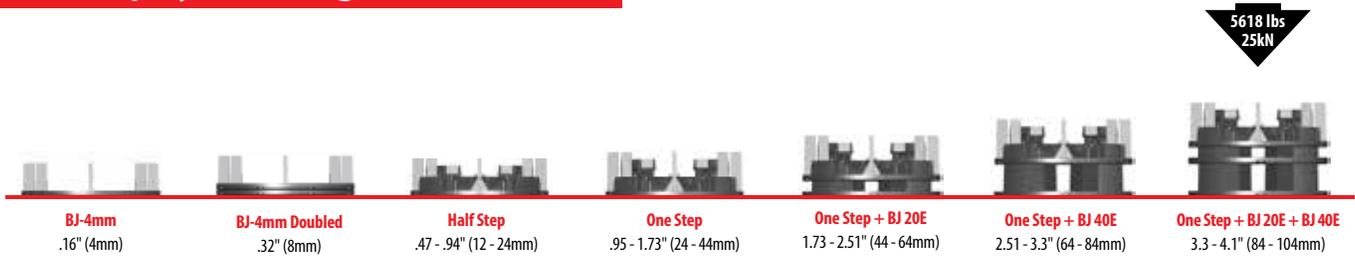
1 varies with different combinations



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 4.1" (104mm).

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.

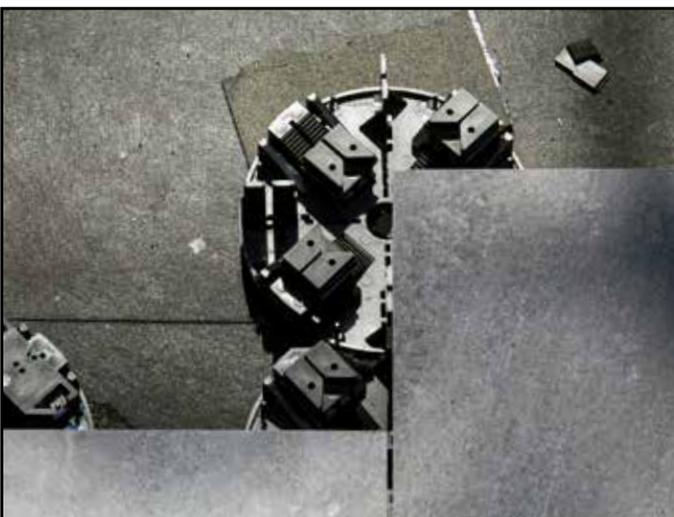
Joint sealant and grouts are unnecessary between slabs. The slab gaps provide surface drainage and allow for expansion and contraction.

High Compressive Strength

BlackJack® OneStep with Extenders up to 4.1" (104mm) has ultimate compressive strength of ≥ 5618 lb (25 kN).

LEED Points Available

BlackJack® OneStep System is manufactured from recycled polypropylene.



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

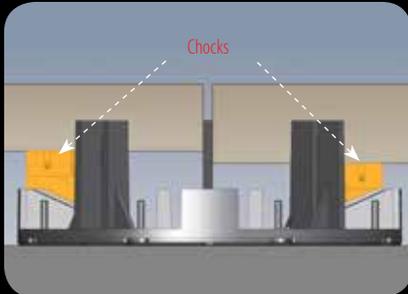
"Engineered to reduce material, construction and lifecycle costs."



Distinctive Features

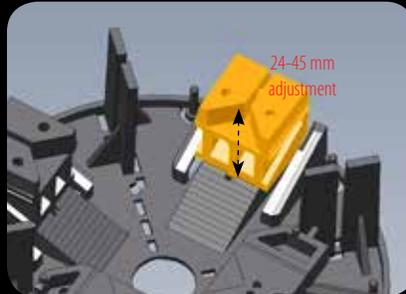
Independent Chocks

Allow compensation for differences in slab thickness.



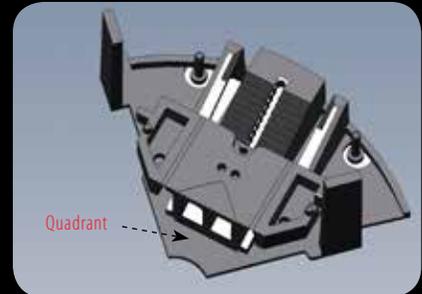
Height Adjustable

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



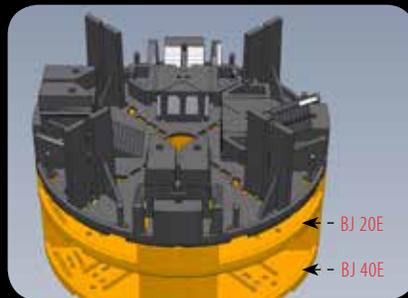
Sectioned Design

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



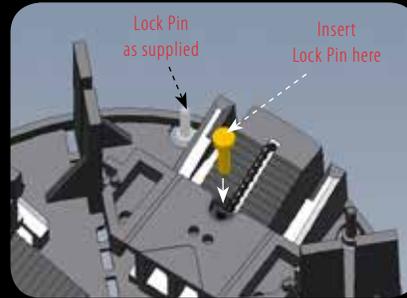
Extended Height Range

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. 28/01/2020