



PRODUCT

Hercules Adujtable Screwjack Pedestal

MANUFACTURER

Plaza Concepts, Inc.

Local Representative (914) 337-6071

GENERAL INFORMATION

TYPICAL USE

A critical component of the well-established, loose-laid pedestrian deck assembly, the Hercules Pedestal System™ is engineered to provide a durable, inexpensive support for raised pedestrian surfaces which are commonly masonry, such as wet-cast, high-density, pressed concrete pavers, durable wood such as Ipe decking, as well as metal grates and other engineered deck and flooring products. Made from recycled polypropylene the lightweight and reusable Hercules Pedestal System™ can ensure noise reduction, improved drainage, and precise and consistent joint spacing. It can also reduce injuries commonly associated with cracked setting beds and displaced slabs. With a well-respected, long-term performance record, telescoping pedestals, as well as loose laid systems in general, also facilitate inspections and access to conduits below and enable membrane leak repairs at a much lower cost as are maintenance costs in general. Attractive elevated and precisely level recreational areas can easily be created on plazas, roofs and sidewalks at a relatively low cost and low weight compared with setting bed applications. Hercules can also support pipes and conduits. Please call first. Comprehensive full system warranties from paver and membrane manufacturers are available. Call for info.

SUBSTRATES / LEVELING

Typical substrates include protection board, high strength drainage mat and approved extruded polystyrene, Height and slope adjustments can be achieved with the screw-jack, couplers and slope compensators. Joist and pipe holders are available, call for details. Fine adjustments are made with 1/16” textured, slip-resistant rubber shims.

LOW HEIGHT RELATED PRODUCTS

For heights between 1/16” and 1.5,” stackable rubber and plastic,, innovative “click to height,” and labor-saving self –leveling, pedestals are available..Please call for details.

LIMITATIONS

Screwjacks should sit true and plumb and be made stable. Pedestrian decks are dynamic and may necessitate consultation with technical experts during design. Expect settling. Consult experts or Plaza Concepts about wind and tensile issues, parapet wall and building heights. Read more about wind at www.plazaconcepts.com/technote508 Read more about elevating paving slabs at plazaconcepts.com/ICPITechNoteNumber14



SPECIFICATIONS (± 1/8”)

Pedestal	Parts	Height	Height in mm
E0	T0 , B0	1.375”to 2”	35-50 mm
E1	T1, B1	2” to 3”	50-75 mm
Proper 3 thread	insertion	will reduce	max by ¼” / 19mm
E2	T2, B2	2¾” to 4.¾”	70-120 mm
E3	T3, B3	4¾” to 7 ¾”	111-196 mm
Proper 3 thread	insertion	will reduce	max by 1½”/38mm
E2C	T2,C,B2	5½” to 9.25”	140- 235 mm
E3C	T3,C,B3	8¼” to 12”	209- 304 mm
E3CC	T3CCB3	10.75”to 16”	273- 406 mm
For heights	above	16 inches	call for special
wire bracing	under	most	conditions
Bearing Capacity	All	1984 lbs	900 kg
Base Diameter	8.11”	Base Surface	Area 51.66 in ²
Rubber Shims	1 mm	or 2mm	Also adds grip
Slope Corrector	2%	or 3%.	recommended
Spacer Tab	joints	too small	for cigarettes
Height/Thickness		1” (25mm)	½,” 3/16”
Call for other	spacer	availability	
Joist Holder	Call for	info	
For fixed height	and	stackable	self-leveling call

Physical Properties	
Load Bearing	1984 Pounds
Composition	Recycled Polypropylene
Color	Black
Biological Chemical Resistance	Unaffected by molds and algae.
	Good resistance to alkali/bitumen

INSTALLATION CONSIDERATIONS

IMPORTANT wind and tensile issues should be discussed with our Technical Department or experts such as roof consultants and engineers. Installation should also be in accordance with the most recent instructions of the paver, insulation and membrane suppliers, and in compliance with typical industry standards, such as those of ASCE NRCA, SPRI & RCI as well as applicable building code requirements. It is also wise to consider supporting the middle of a large paver. Rubber shims are recommended and add grip and deter creep of a paver array. Tops and couplers need 3 threads of insertion. Many conditions require bracing.

TECHNICAL ASSISTANCE / WARRANTY PROGRAM

Standard 5 year, as well as optional 10, 15 and 20 year warranties are available, as are warranties that cover the full plaza assembly. Call for further details.

AVAILABILITY AND COST

Contact Plaza Concepts or our local representative