



# LEVEL UP

## ADJUSTABLE DECK PEDESTAL JOIST SUPPORT

For Building Ground Level Decks



## TECHNICAL DATA BULLETIN

Bison Level.Up Adjustable Pedestals provide a new way to build ground-level decks. The Adjustable Pedestals eliminate the need to dig, install and level concrete footers and posts, saving time and labor. The Pedestals attach to wood joists to build ground-level plank decks and can be installed over existing concrete and pavers or compact non-eroding soil or gravel. The telescoping Pedestals easily twist by hand to raise or lower height for a level surface – no tools needed. Use one or more kits for a customizable deck design. The heavy-duty, engineered polymer Pedestals are weather, freeze and mold resistant.



PRODUCT NAME	MODEL NUMBER	PRODUCT NO	CASE CODE	GTIN14	CASE PACK
12 Pedestal Deck Joist Support Kit	LU-KIT-12	0 70798 06002 9	06002	000 70798 06002 9	1
2 Pedestal Deck Expansion Kit	LU-KIT-2	0 70798 06004 3	06004	000 70798 06004 3	1
1-1/2 Inch Height Adjustment Coupler	LU-C1	0 70798 06008 1	06008	100 70798 06008 8	12
4 Inch Height Adjustment Coupler	LU-C4	0 70798 06010 4	06010	100 70798 06010 1	6
Slope Leveler	LU-SL	0 70798 06012 8	06012	100 70798 06012 5	12
Flexible Shim	LU-B11	0 70798 06016 6	06016	100 70798 06016 3	10
1/2-Inch Fixed Height Pedestal	LU-FH50	0 70798 06014 2	06014	100 70798 06014 9	8
Joist Top Attachment	LU-JT	0 70798 06006 7	06006	100 70798 06006 4	12

### HEAVY-DUTY ENGINEERED POLYMER

Weather, Freeze & Mold Resistant

#### JOIST TOP ATTACHMENT (LU-JT)

- Attaches to the Adjustable Pedestal with the included screw
- Bend up the mounting brackets to fasten to 2 inch or 4 inch wide joists using #8 exterior screws (not included).

#### ADJUSTABLE PEDESTAL (LU)

- Raise or lower height of the telescoping pedestal by twisting to create a level surface – no tools required
- Pedestal only height range: 2-4 3/4 inches

#### SLOPE LEVELER (LU-SL)

- Levels the base of the Adjustable Pedestal and compensates for 2% slope (1/4 inch)
- Add up to 4 Slope Levelers to an Adjustable Pedestal to compensate for up to 8% slope. Additional sold separately.

#### FLOATING FOUNDATION BASE (LU-FFB)

- Place on ground to provide a level base
- Evenly distributes weight over wide base

LEVEL UP accessories can be added to increase height or compensate for slope (sold separately).



### BEFORE BUILDING:

- Before beginning any work, **READ ALL INSTRUCTIONS AND PROVIDED MATERIALS WITH THIS PRODUCT.** Verify that the correct materials, tools, and equipment, along with the appropriate Personal Protective Equipment, are readily available to ensure proper techniques and all safety precautions are met. Visit [www.LEVEL-UPDECKING.com](http://www.LEVEL-UPDECKING.com) for more information and detailed installation guide.
- Check all local zoning laws, codes, and Homeowners Association (HOA) regulations before beginning any work.
- Always contact local utility companies before digging or removing soil.
- Installation must be completed in accordance with the provided Bison Level.Up Installation Guide and Level.Up Sizing Charts provided in the installation guide and on [www.levelupdecking.com](http://www.levelupdecking.com).
- Failure to install the deck consistent with the provided instructions and/or ignoring any hazard disclaimers stated in this document could cause total deck failure and/or collapse, which could result in property damage, serious injury, and/or death.
- Always inspect all products before using or starting to connect materials to the Level.Up Deck Pedestal System. All Bison Level.Up Deck Pedestal System components and accessories should be free from damage and in proper working condition.

## **DECK SPECIFICATIONS:**

- Meets 2021 International Residential Code (IRC) decking codes for free-standing, low-rise decks (Section R507.3)
- Bison Level.Up Adjustable Deck Pedestal Joist Support Systems are for the sole purpose of installing ground-level decks. All instructions provided for Bison Level.Up Pedestal products are to be utilized for “Free Standing” or “Floating” decks and are not to be attached to a home, structure or foundation.
- Level.Up Adjustable Pedestal System decks must be a minimum of 8-feet long by 8-feet wide, regardless of the wood species or size of material used to create the substructure system. Failure to comply may create a tipping hazard. Depending on the wood species, multiple kits may be required to meet these minimums. Please review the “Deck Sizing Chart” in the Installation Guide.
- Level.Up Deck Height: Maximum deck height is 20-inches from the lowest ground elevation of the desired deck area to the top of the decking boards. The height includes the Adjustable Pedestal System (Pedestal & Components), additional Pedestal Accessories, substructure materials, and topside decking boards.
- Per the 2021 International Residential Code, any deck exceeding 200 square feet may be subject to local permits and inspections.
- Level.Up Deck Pedestals, components and accessories are intended for on-grade, low-rise deck installation only. Pedestals must be installed at ground level over stable soil, gravel, concrete or other hard surfaces. Not intended for rooftop installations.
- To install the Bison Level.Up Deck Pedestal System, the compacted soil or gravel must be free from soil erosion before starting any work.
- Bison Level.Up Deck Pedestal Systems must be installed on a stable grade surface that is well-draining. If the area is prone to flooding, standing water, or constantly wet, the area will require ground drainage to ensure that the area will not be susceptible to soil erosion over time. Ground drainage can be introduced through drainage solutions, gravel build-up, rerouting water at the source, etc. Consult a professional when required. Always direct water away from the home or structures on the property.
- Sod, vegetation, mulch and debris must be removed, and the ground must be well-compacted when installing over dirt. Make sure the installation area is not prone to erosion. Be careful not to damage any sprinkler lines or other equipment. Call your local utility providers before digging or removing any soil.
- All lumber or decking boards utilized should be rated for both exterior and ground contact uses.

## **SAFETY:**

- Always wear appropriate Personal Protective Equipment (PPE). This includes gloves, safety glasses and respiratory masks when required. Failure to do so could result in serious injury and/or death.
- Follow manufacturer’s safety instructions, warnings and guidelines for safe use and handling when using power and hand tools. Failure to do so could result in serious injury and/or death.
- Do not attempt to lift heavy objects alone. A minimum of two people is recommended for deck construction. Use lifting aids or ask for help when moving heavy objects. Use proper technique to avoid muscle strain or back injuries.
- Call your local utility providers before digging or removing any soil.
- Do not add any feature or fixture that creates heavy vibration that can be transmitted to the foundation and cause pedestal shifting or soil erosion. Examples include, but are not limited to air conditioning units, HVAC condensers, fountains, home generators. Call 877-327-7378 for additional guidance should this need arise.
- All motor vehicles are strictly prohibited from being stored or driven on Level.Up Pedestal decks. Examples include, but are not limited to: cars, motorcycles, 4-wheelers, ATV’s, riding lawn mowers. Bison Level.Up Pedestal Decks are designed for use with pedestrian traffic only.
- Pre-drill holes at all screw locations during construction to avoid splitting lumber.
- Make sure Level.Up Pedestals and the deck are stable throughout the construction process. Adjust Deck Pedestal Components for slope and height to maintain level and stability. Add the proper accessories when additional slope or height is required per instructions stated in this document.

- Pending desired height of deck, be sure to verify if a step or “step down” fixture is required with the design. Always check with local municipalities for verification of final installation.
- Be aware of the surroundings during deck construction. Be careful when moving around the deck during construction to avoid tripping.
- Wind Uplift: Always check with local ordinances to determine if deck requires additional restraint to prevent uplift during high wind events. High wind zones are usually in coastal regions, high mountainous areas, or locations susceptible to high wind-storms and/or tornados. High wind zone maps are available on the International Code Council website: [www.iccsafe.org](http://www.iccsafe.org) in Chapter 3 Building Planning.
- Lateral Force Movement: This is the side-to-side forces that can be applied to a deck. The designs provided, along with the recommended installation of a deck “skirt”, will allow the Bison Level.Up Pedestal Deck to meet the requirements set forth by the International Residential Code.
- Inspect the deck after completion. Make sure all pedestals are not overextended and properly support the deck. Check to make sure deck is level and stable before using. Verify that all boards are properly fastened with the correct number of fasteners. Verify that the deck is built to no less than the minimum dimensions stated in these instructions.
- Be careful not to fall off the edge of the deck. Deck railings and/or guards are not required for deck heights below 20-inches, unless specifically stated by local ordinance. However, a fall from this height could still result in serious injury and/or death. Always check with local municipalities if railings and/or guards are required for your desired deck location.

## **MAINTENANCE:**

- Maintain the deck over time. Periodically check for erosion, sink, and pedestal integrity. Adjust as needed.
- Check the lumber substructure for any rot or severe damage (water, insect, others).
- When cleaning the deck, chlorine and standard soaps are safe to use on and around the Pedestal System. Chemicals, such as gasoline or turpentine, should not be stored or used in the vicinity of the Pedestal System. If spilled, such products could cause damage to the pedestals and any accessories utilized with them. Call 877-327-7378 for any additional questions or concerns.

## **PEDESTAL HEIGHT OPTIONS:**

- The height of the Level.Up Deck Pedestal (LU) can be increased or decreased by twisting and/or removing the inner yellow coupler. Twist the base of the Pedestal clockwise to raise height and counterclockwise to lower height. The lowest height is 2 inches and highest height is 4-3/4 inches. When the Level.Up Deck Pedestal Joist Support System is fully assembled with the Joist Top Attachment, Slope Leveler and Floating Foundation base, the lowest height is 2-3/4-inches (when internal coupler is removed) and its highest height is 5-1/2 inches.



Pedestal at Lowest Height **WITH** Inner Yellow Coupler: 2-1/2 Inches



Pedestal at Full Height Expansion **WITH** Inner Yellow Coupler: 4-3/4 Inches



Pedestal at Lowest Height **REMOVING** Inner Yellow Coupler: 2 Inches

- Once fully assembled, the total pedestal height, including accessories, cannot exceed 12 inches. This height does not include the added height of the joists or decking boards. Should additional height be required due to slope of terrain, installation may require the use of Height Adjustment Couplers or additional Slope Levelers.
- Do not over-extend the Level.Up Deck Pedestals (LU). Adjustable Deck Pedestals (LU) and their couplers have raised engagement bumps that will be felt and heard when unscrewed to the maximum height. Do not force or unscrew further when these engagements are detected. Pedestals are tested to a maximum height

of 12-inches. Going beyond this height or beyond the engagement bumps on any individual connection may compromise the weight-bearing capacity and structural integrity of the Pedestal causing failure.

- Do not overload the Level.Up Deck Pedestals. Each Level.Up Deck Pedestal is rated to a 750 lbs weight bearing capacity. Heavy features or fixtures exceeding 350 lbs. (examples include but are not limited to hot tubs, water fixtures, concrete statues) may require additional substructure materials and pedestal support. Call 877-327-7378 for additional guidance in designing the deck, should this need arise.

**LIABILITY:**

- DO NOT SUBSTITUTE OR COMBINE OTHER MANUFACTURERS PEDESTALS, PEDESTAL ACCESSORIES OR PARTS WITH THE BISON LEVEL.UP DECK PEDESTAL SYSTEM. Bison Level.Up Deck Pedestal deck configurations and designs are based on Level.Up Deck Pedestal System specifications and capabilities in accordance with standard 2021 IRC stated decking materials and practices.
- Bison Innovative Products & DAP Global Inc. are not responsible for improper installation.
- Bison Innovative Products & DAP Global Inc. are not responsible for damages caused by improper installation or misuse.

**Manufacturer:** Bison Innovative Products; 701 Osage Street, Unit 120, Denver, CO 80204

**Distribution of Product:** DAP Global Inc.; 2400 Boston Street, Baltimore, MD 21224

**Usage Information:** Call 877-327-7378 or visit [level-updecking.com](http://level-updecking.com)

**Fax Information:** 410-558-1068

**Order Information:** Call 877-327-7378 or email: [orders@dap.com](mailto:orders@dap.com)