



2026 Edition

PRODUCT CATALOG

HE Series

Professional-Grade Deck &
Paving Support System

Hold it. Rise it.

25-392
MM RANGE

3+2
MODELS

SGS
TESTED

2,000+
KG LOAD

VITARO

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SGS

CE

RoHS

REACH



About the HE Series

The HE Series is Vitaro's **flagship adjustable pedestal line** — engineered for professional deck and paving installations worldwide. From rooftop terraces to commercial plazas, the HE system delivers reliable load-bearing performance, effortless height adjustment, and seamless compatibility with our full accessory ecosystem.

Three core models cover **25 mm to 392 mm** with only three base SKUs and two snap-on extension rings. SGS-tested to **1,897 kg** on HE-1, **1,693 kg** on HE-2 and **1,835 kg** on HE-3, the series is trusted by contractors and distributors in 15+ countries.

SGS

CE

RoHS

REACH

Patented

- ▶ Height range 25–392 mm across 3 base models
- ▶ SGS-certified up to 1,897 kg load capacity
- ▶ Precision thread adjustment under load
- ▶ $\phi 140$ mm large head, octagonal base
- ▶ PP + 10% glass fibre, UV-stabilised
- ▶ Operating temp -40°C to $+120^{\circ}\text{C}$
- ▶ Self-levelling XA / XB heads available
- ▶ Neutral and OEM packaging supported

Standard Model Range



HE-1

25–52 mm

36 pcs/ctn | 5.2 kg
44.5 × 37.5 × 27 cm
SGS load > 2,000 kg



HE-2

52–152 mm

24 pcs/ctn | 7.2 kg
50 × 40 × 32 cm
SGS load > 2,000 kg



HE-3

152–392 mm

12 pcs/ctn | 10.8 kg
57 × 40.5 × 36 cm
SGS load > 1,800 kg

Height Selection Guide

HE-1, HE-2 and HE-3 share the same $\phi 140$ mm head and octagonal base. Add **P-H-H100 (+100 mm)** or **P-H-H150 (+150 mm)** extension rings to HE-3 to reach the full 392 mm ceiling. For slopes up to 5%, specify XA-HE (rubber-coated) or XB-HE (plastic) self-levelling variants.



Key Features

φ140 mm Large Head

Oversized head platform ensures stable support and easy tile/joist positioning. Compatible with all Vitaro head accessories.

PP + 10% Glass Fiber

Reinforced polypropylene with UV stabilisers. Operating temperature -40 °C to +120 °C.

Precision Thread Adjustment

Fine-pitch thread allows millimetre-level height adjustment even under load. Lock ring prevents self-loosening.

Octagonal Base

Wide footplate 171.5 mm (flat) / 184 mm (corner) distributes weight evenly. Integrated drainage channels.

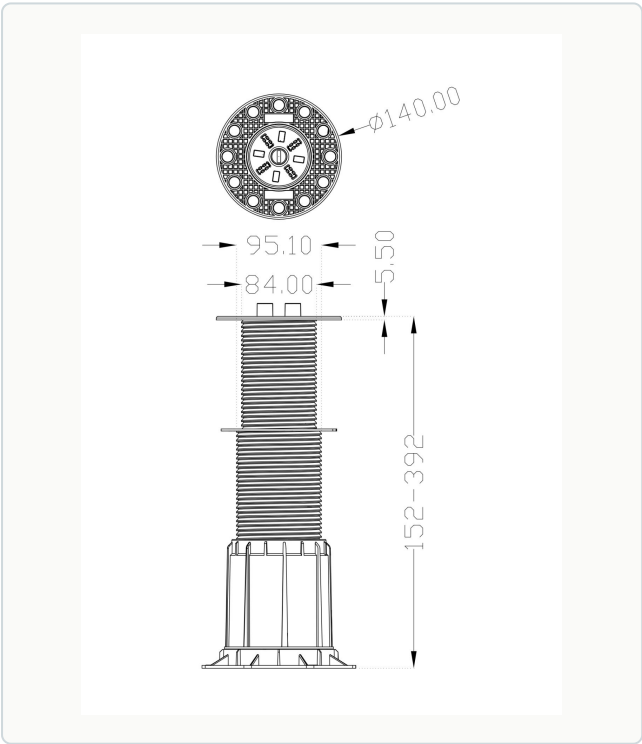
Extension Rings

P-H-H100 (+100 mm) and P-H-H150 (+150 mm) snap-on extensions extend HE-3 range to 392 mm.

Self-Levelling Ready

Supports XA and XB self-levelling heads. Accommodates slopes up to 5%. Retrofittable in the field.

Structure & Dimensions



Component	Value	Component	Value
Head diameter	φ 140 mm	Base height	12.0 mm
Head height	5.5 mm	Thread pitch	6.0 mm/turn
Base octagon (flat)	171.5 mm	Material	PP + 10% GF
Base octagon (corner)	184.0 mm	Operating temp	-40 to +120 °C
UV stabilisation	Yes	Colour	Grey / custom



Complete Technical Specifications

Model	Height Range	Packing	Carton Size (cm)	CBM/ctn	Gross Wt.	Pcs/Pallet
HE-1	25–52 mm	36 pcs/ctn	44.5 × 37.5 × 27.0	0.045	5.2 kg	216
HE-2	52–152 mm	24 pcs/ctn	50.0 × 40.0 × 32.0	0.064	7.2 kg	144
HE-3	152–242 mm	12 pcs/ctn	57.0 × 40.5 × 36.0	0.083	10.8 kg	72
P-H-H100	+100 mm extender	36 pcs/ctn	44.5 × 37.5 × 18.0	0.030	3.6 kg	—
P-H-H150	+150 mm extender	36 pcs/ctn	44.5 × 37.5 × 24.0	0.040	5.0 kg	—

40HQ container loading: HE-1: 216 pcs/pallet × 20 pallets = 4,320 pcs | HE-2: 144 × 20 = 2,880 pcs | HE-3: 72 × 20 = 1,440 pcs. Mixed-model loading supported.

Load-Bearing Performance SGS Certified

SGS compression tests at 5 mm/min. Values represent maximum load before structural failure. Tested at threaded-section mid-height per SGS protocol.

HE-1

Full surface

2,046 kg



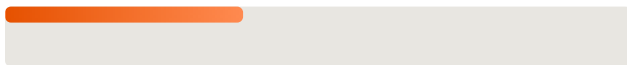
1/2 surface

1,439 kg



1/4 surface

781 kg



HE-2

Full surface

2,055 kg



1/2 surface

1,393 kg



1/4 surface

1,157 kg



HE-3

Full surface

1,844 kg



1/2 surface

1,726 kg



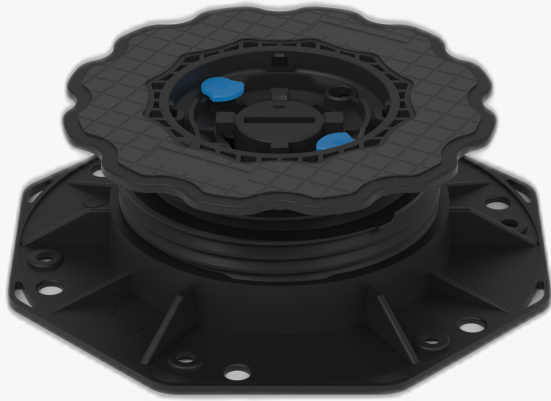
Test Notes

- Compression speed: 5 mm/min
- HE-1 tested at 48 mm height
- HE-2 tested at 141 mm
- HE-3 tested at 392 mm
- Full SGS reports available on request



Self-Levelling Variants

For sloped substrates up to 5%. Both types retrofit onto standard HE bases without tools. Available in three height ranges matching HE-1/2/3.



XA-HE — Rubber Grip Head

- TPE rubber insert for superior grip
- Articulating ball joint (0–5% slope)
- Best for tile, stone & concrete pavers
- UV-stable, non-marking rubber



XB-HE — Plastic Head

- All-plastic, corrosion-proof
- Articulating ball joint (0–5% slope)
- Best for wood decking, timber & composite joists
- Cost-effective self-levelling option

Accessory Ecosystem

1 Slope Corrector

Compensates 1–5% substrate slope

2 Joist Cradle

Secures timber/composite joists

3 Wind-Proof Clip

Locks pedestal to joist in high-wind zones

4 Spacer Tab

Uniform 2/3/4/5 mm tile gaps

5 Metal Clamp

Stainless steel clamp for heavyweight pavers

6 Rubber Base Pad

Anti-vibration & acoustic isolation

7 Wall Spacer

Maintains perimeter gap along walls

8 Connecting Rod

Links pedestals for tall installations (>550 mm)

9 Adjustment Key

Ergonomic height adjustment tool



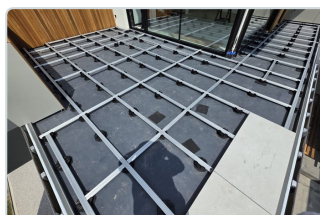
Applications



Rooftop Terrace



Commercial Plaza



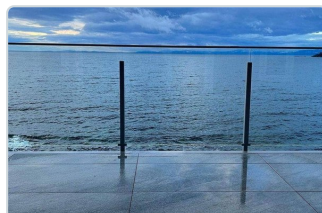
Balcony Deck



Pool Surround



Water Feature



Landscape Paving



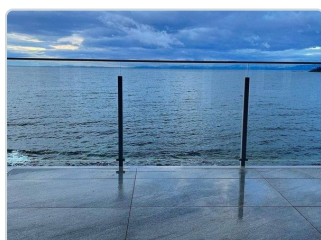
Stadium Concourse



Green Roof

Application	Recommended Surface	Suggested Pedestal	Key Accessory
Rooftop Terrace	Porcelain tiles	HE-2 + XA-HE-2	Slope Corrector
Commercial Plaza	Granite / Concrete pavers	HE-3	Spacer Tab
Balcony / Residential	Composite decking	HE-1 / HE-2	Joist Cradle
Water Feature	Stone slabs	HE-3 + Extension	Metal Clamp

Selected Global Projects



Seashore Project
Vancouver, Canada



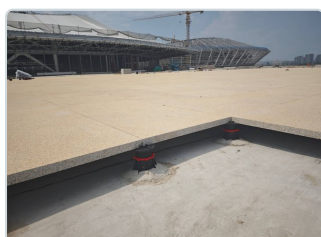
Mansion Terrace
Slovenia



WPC Rooftop
Shanghai, China



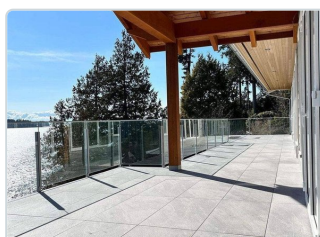
Love Plaza
Hebei, China



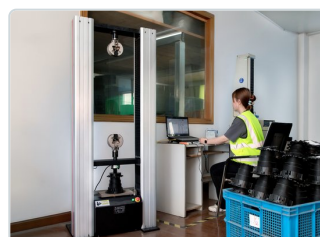
Olympic Center
China



Kilmore Group
Australia



Deck Installation
Canada



Production Facility
Wuxi, China



Manufacturing & Quality

Production Capability

- Automated injection moulding lines
- Strict process control per batch
- Dimensional checks on every lot
- Compression testing & UV aging verification

Certifications & Compliance

- SGS compression load test certified
- CE EU Construction Products Regulation
- RoHS / REACH compliant
- 2 utility model + 1 design patent (CN)

Packing & Loading

Standard Packaging

- Neutral brown carton with model label
- Palletised on 1,100 × 1,100 mm export pallets
- Optional PE inner wrapping
- Stretch wrap + corner protection for containers

OEM / Custom Packaging

- Custom carton print with your brand / logo
- Private label sticker or inner sleeve insert
- MOQ and lead time on request
- Full container orders preferred; LCL available

Let's Discuss Your Project

Send us your drawings or project brief. We'll provide a tailored pedestal layout, loading calculation, and competitive quotation — usually within 24 hours.

Contact: Bolton | Mobile/WhatsApp: +86 186 7816 1528

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Shandong Uno Industrial Co., Ltd.

What We Need From You

Project Basics

Type, location, surface material, paver/tile size

Height & Slope

Required FFL, substrate slope, wind/seismic zone

Quantity & Timeline

Estimated m² or piece count, target delivery date

What You'll Receive

Selection & Layout

Pedestal recommendation, spacing layout per m², accessory list

Logistics Plan

Container loading optimisation, mixed-model plans, FOB/CIF quotation

Documents

SGS reports, installation guide, catalog, project references

All specifications subject to change without notice. Product images are for illustration purposes only. Actual product colour and finish may vary. Shandong Uno Industrial Co., Ltd. | Bolton: +86 186 7816 1528 | bolton@unoindustrial.cn | Rev.01 · August 2026