



Raising standards for working safely at height.

The new **Work at Height Regulations** mean construction companies need a different approach to working with builders' trestles. The **ZND SmartGuard® Trestle Guardrail System** meets all the latest safety requirements, and fits most standard trestles. It's also cost-effective, easy to transport and store, and quick and simple to fit.

SmartGuard 
Raising Standards for Working Safely at Height.





How SmartGuard® Works

We've designed SmartGuard® to fit conventional builders' trestles*, as a safe, affordable alternative to traditional or system scaffolding. Easy to erect without specialist tools or skills, it has nine basic components:

[A] SmartGuard® Post

With its unique, simple design, the post rapidly fixes and locks on top of the trestles, ready for attaching a SmartGuard panel or handrail. Scaffold boards can be connected between the posts and retained in position for use as toe boards, when inserted between the inbuilt retaining hook. [Product Code 27362031]

[B] SmartGuard® Panel

The panel combines a handrail, brickguard and toeboard in one easy-to-handle unit. Four tapered retaining pins connect it securely to the post. [Product Code 27363531]

[C] SmartGuard® End Panel

Slightly longer than the standard panel, the end panel fits between the posts at the stop end of a run of trestles. It's coloured red to make it easier to identify. [Product Code 27364031]

[D] SmartGuard® Handrail

The simple tubular handrail has two tapered locating pins for a strong, secure fixing to the SmartGuard post. [Product Code 27362531]

[E] SmartGuard® End Handrail

Slightly longer than the standard handrail, the end handrail fits on the stop end of a run of trestles. Like the end panel, it's coloured red for easier identification. [Product Code 27363031]

[F] SmartGuard® Stabiliser

This tubular support attaches to the trestle with two pressed steel couplers with wing nuts for hand tightening. It extends the base dimension of the trestle by more than 50%, increasing stability by more than 300% (Stability Test report as compiled by B.R.E. Ltd). [Product Code 27364531]

[G] SmartGuard® Bridging Deck

The multipurpose bridging deck spans between two trestles. Its main use is to allow scaffold boards to be placed end to end on the working platform without overlapping – to avoid the danger of tripping. The bridging deck can also be used as a spacing guide when erecting trestles and should always be used where access gates are installed. [Product Code 27364831]

[H] SmartGuard® Access Gate

The gate is a panel with a hinge and latch mechanism, providing a safe entry point to the platform. It has elongated locating pins to allow the gate to rotate freely, and a locking screw that's fixed by hand to prevent being accidentally removed. [Product Code 27364731]

[I] SmartGuard® Ladder Access Bracket

The bracket fixes to a post, so a ladder can be safely attached to the SmartGuard system. [Product Code 27364631]

* The SmartGuard® system is designed and tested for use with ZND trestles. It may also be used with other trestles that have a 40mm x 40mm x 1.5mm gauge box-profile load-bearing trestle top, but further testing may be required to ensure compliance with relevant standards. Trestles must be spaced at 1010mm centres to accept SmartGuard®.

What SmartGuard® Offers

Increased Stability: The Smartguard system was rigorously tested for stability by B.R.E Limited and results show that when used in conjunction with SmartGuard Stabilisers the stability improves when fully extended by more than 300%.

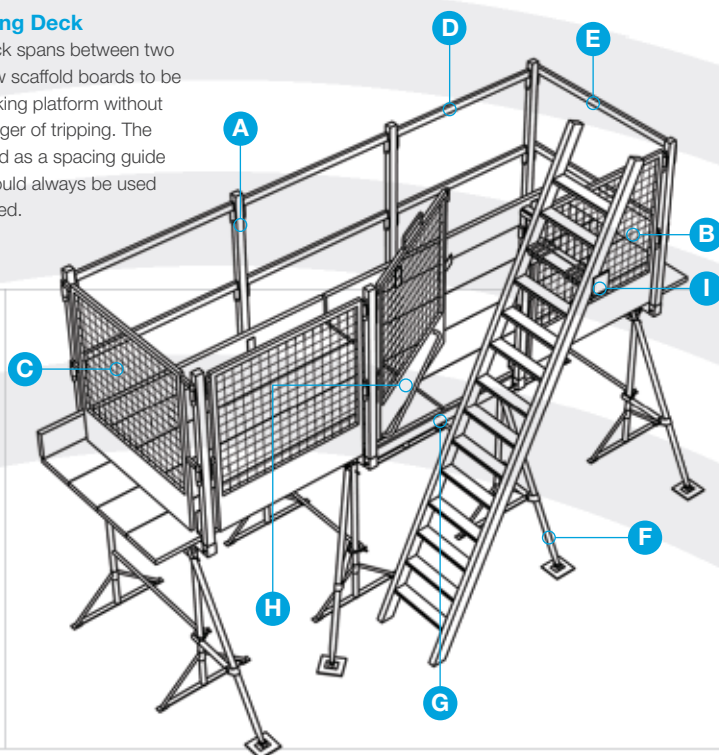
Safety: SmartGuard® conforms to the Work at Height Regulations 2005, and is tested to BS EN13374:2004 (Class A). Its bridging deck ensures there are no overlapping boards, and each panel has a built-in brickguard and toeboard.

Speed and Simplicity: The system fits together by hand, with no need for special tools or training, and no loose fittings to go astray. Less time putting up SmartGuard® means more productivity.

Portability: It's lightweight, and all components dismantle and stack to make it easy to transport and store.

Durability: Manufactured from heavy-duty steel, with fully framed panels, SmartGuard® is robust and resilient.

Value for Money: SmartGuard® costs less than traditional or system scaffolding.



ZND Builders Trestles

SmartGuard works best when paired with ZND builders' trestles. Like all our products, they're made to very high quality standards, with the emphasis on safety: they're tested to BS 1139 Part 4 1982.

We offer a range of sizes:

Code:	Product Description:	Size Fully Closed	Size Fully Extended
27360231	Builders' Trestle No. 1	470mm	645mm
27360731	Builders' Trestle No. 2	730mm	1200mm
27361231	Builders' Trestle No. 3	1035mm	1675mm