

MiTek®

HOMEBUILDING SOLUTIONS

POSI-STRUT® SOLUTIONS



METAL
WEB JOIST AND
RAFTER SYSTEMS

WHY POSI-STRUT SOLUTIONS ARE RIGHT FOR YOUR NEXT PROJECT.

Are you a housebuilder or multifamily developer seeking a solution to reduce labour costs and overall time on site?

With Posi-Strut Solutions you can increase performance with clear span flexibility, and easy access for plumbing and electrical installations. Take a look at the Posi-Strut Solutions brochure and see why it's right for your next project.

WHY POSI-JOIST®

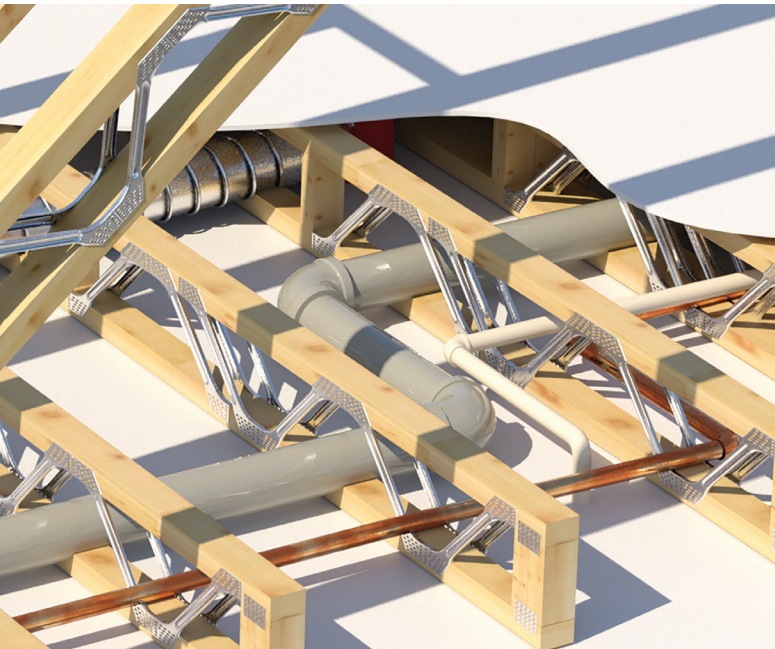
STRENGTH

Posi-Joist combines the lightness of timber with the strength of the Posi-Strut steel web, allowing you to span far greater distances than would be possible with alternative timber products.

This gives you unequalled design freedom across a wide range of applications for both floors and roofs in domestic, industrial and commercial applications. Posi-Joist allows a variety of internal room layouts within an external shell due to its clear spanning capabilities.

SIMPLICITY

Easy access for the installation and maintenance of the services in the floor zone is the clear advantage of the Posi-Joist system, and with the ever increasing need for MVHR (Mechanical Ventilation and Heat Recovery) systems, Posi-Joist provides a perfect and simple solution that just isn't possible with alternative solid timber products.



Web Type	Clearance between flanges	Standard Depth
PS10	159mm	253mm
PS12	210mm	304mm
PS14	279mm	373mm

The open web design allows for services and utilities to be easily routed through the joists with no need for cutting or drilling.

KEY BENEFITS

- Greater design flexibility than traditional flooring methods
- Open web design provides total ease of access for data cabling, plumbing, electrical services and MVHR systems
- Lightweight Construction means joists are easy to handle
- Factory Manufactured ensures a quality product, delivered made to measure
- Wide Fixing Surface makes fixing of floor deck and ceilings simple and minimises shrinkage
- Outstanding acoustic and vibration performance, easily passing relevant regulations
- Fire Performance fully compliant with South African fire standards



Efficiency

Posi-Joist's design flexibility coupled with its open web construction offers the contractor several important cost saving advantages. The installation of services and utilities is far simpler and quicker with Posi-Joists, reducing both labour costs and build-up time on site.

Joists are manufactured in a controlled offsite environment ensuring a quality product, and are delivered 'made to measure' allowing for quick installation. The job's done faster and the contractor makes worthwhile savings.

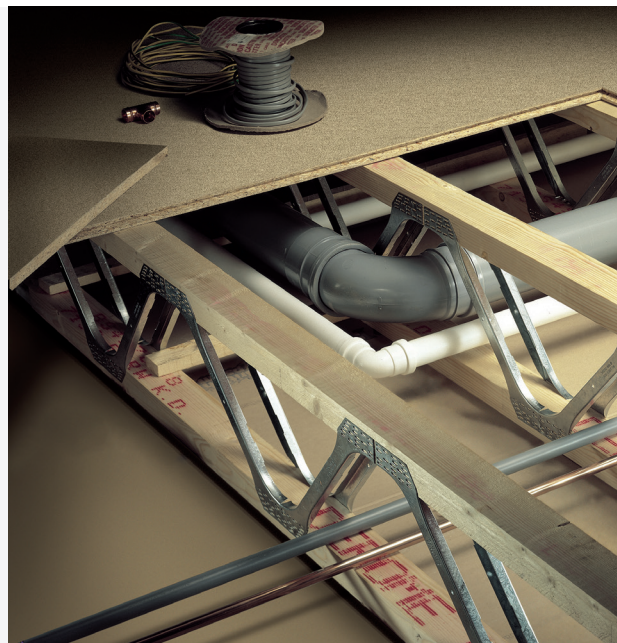
What's more, Posi-Joists will often eliminate the need for load-bearing intermediate walls, dramatically cutting overall building costs.

Performance

Exceptional floor performance from a wide fixing surface makes flooring easy, controls shrinkage and with precision engineering it all reduces those tiresome return visits and remedial work.

Posi-Joist delivers outstanding acoustic performance, easily passing the relevant regulations and the more stringent South African standards for fire resistance, for both intermediate and separating floors.

For detailed Posi-Joist specifications visit mitek.co.za/products/.



Versatility

Design versatility is inherent in the concept of the Posi-Joist. The depth, length and width can be adjusted to produce an enormous number of different specifications, each with clearly defined performance criteria.

Top Hung joists can eliminate the need for hangers, saving cost and time on site.



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WHY POSI-RAFTER®

Posi-Strut webs are increasingly being incorporated into roof structures to take advantage of the many benefits on offer.

Posi-Rafters are parallel chord trusses, plated together with Posi-Strut metal webs. As with Posi-Joist floor joists they are designed and manufactured offsite and tailored to the requirements of each individual project. They arrive made to measure and accompanied by full layout drawings for quick installation.

Posi-Rafters are suitable for both pitched roofs and flat roofs. They are stronger than solid timber rafters and so can span further and require less internal support.

A wide range of depths and end details provide great flexibility in their application, and the need for expensive hangers and metalwork can be eliminated through clever detailing and connections. The open web construction allows for services and utilities to be easily routed through the rafters with no need for cutting or drilling or battening out.

Posi-Rafters offer greater thermal U values than solid timber rafters.



MANUFACTURERS



With the largest network of licensed component manufacturers across South Africa, you are never too far from a Posi-Joist and Posi-Rafter manufacturer.

Our manufacturers use the very latest MiTek Pamir Design and Engineering software and are able to provide clear and detailed drawings and interactive MiTek 3D models to be viewed on any device.

To find your nearest manufacturer visit mitek.co.za/manufacturers



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