

MiTek®

Posi-Strut



**WHY POSI-STRUT TRUSSES ARE
ESSENTIAL FOR YOUR NEXT BUILD**

STRENGTH AND PERFORMANCE

SIMPLICITY

EFFICIENCY

VERSATILITY

MITEKNZ.CO.NZ

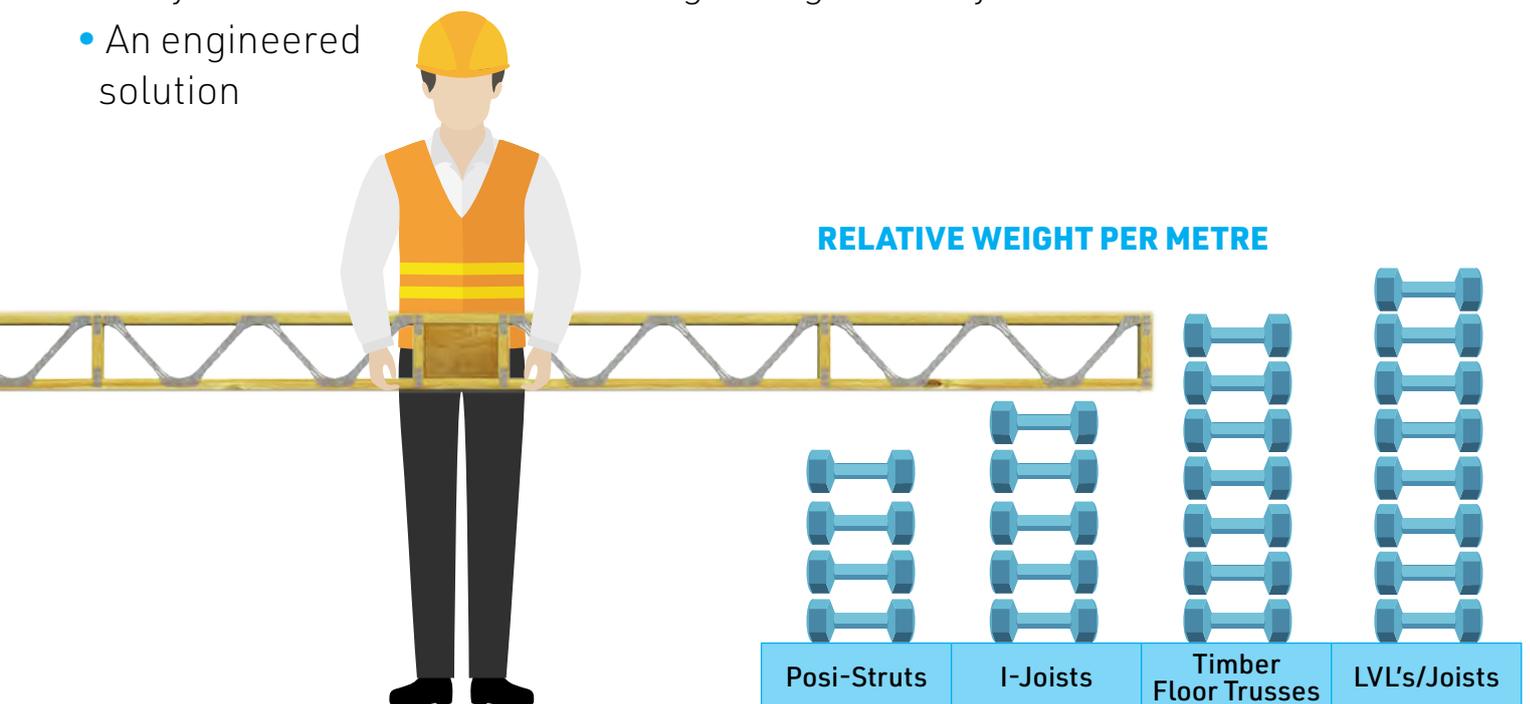
MiTek Posi-Struts

ARE AN ENGINEERED, ROOF & FLOORING SOLUTION

MiTek Posi-Struts' unique 'open web' design makes them the ideal solution for today's building needs because they offer a wide range of real advantages and savings to the architect, engineer and builder. **Posi-Struts** are a truly customised, engineered floor and roof system, which combines the versatility of timber with the strength of steel.

ADVANTAGES

- Ideal for floors
- Ideal for roofs
- Easy access for services
- An engineered solution
- Large, clear spans
- Optional top chord support
- Lightweight & easy to handle.



APPLICATIONS

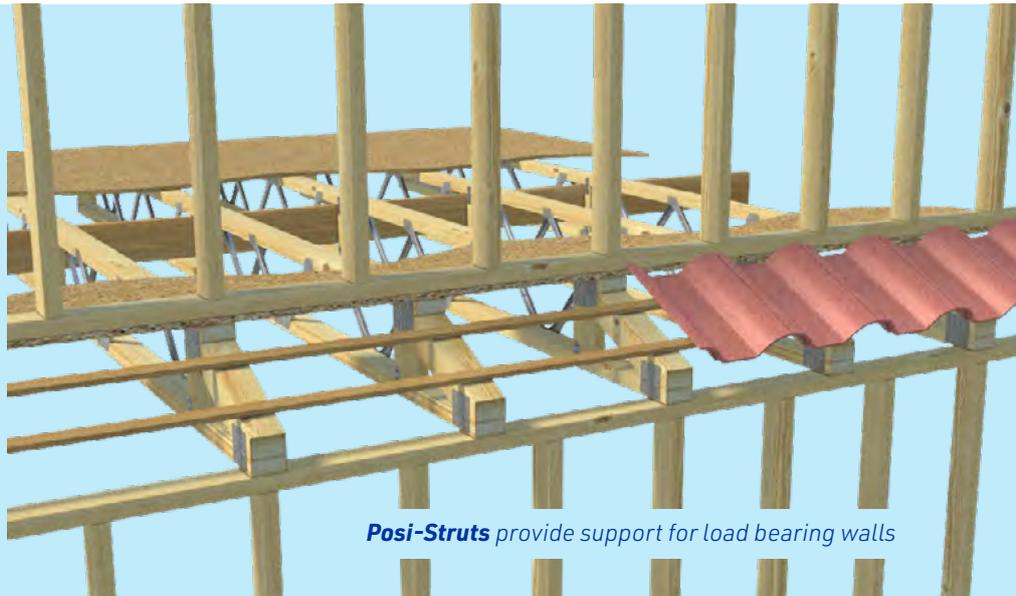
RAFTERS

Posi-Strut trusses make perfect rafters for thin roof panels, canopies and cathedral ceilings.



FLOOR JOISTS

Posi-Struts' remarkable strength and rigidity enable them to span long distances with minimal weight. They can also be designed to support upper load bearing walls. Their wide flanges give floor sheathing greater stiffness.



Posi-Struts provide support for load bearing walls

SPAN CAPABILITIES

Posi-Strut trusses can easily be designed for additional weight from heavy floor tiles or higher live loads.

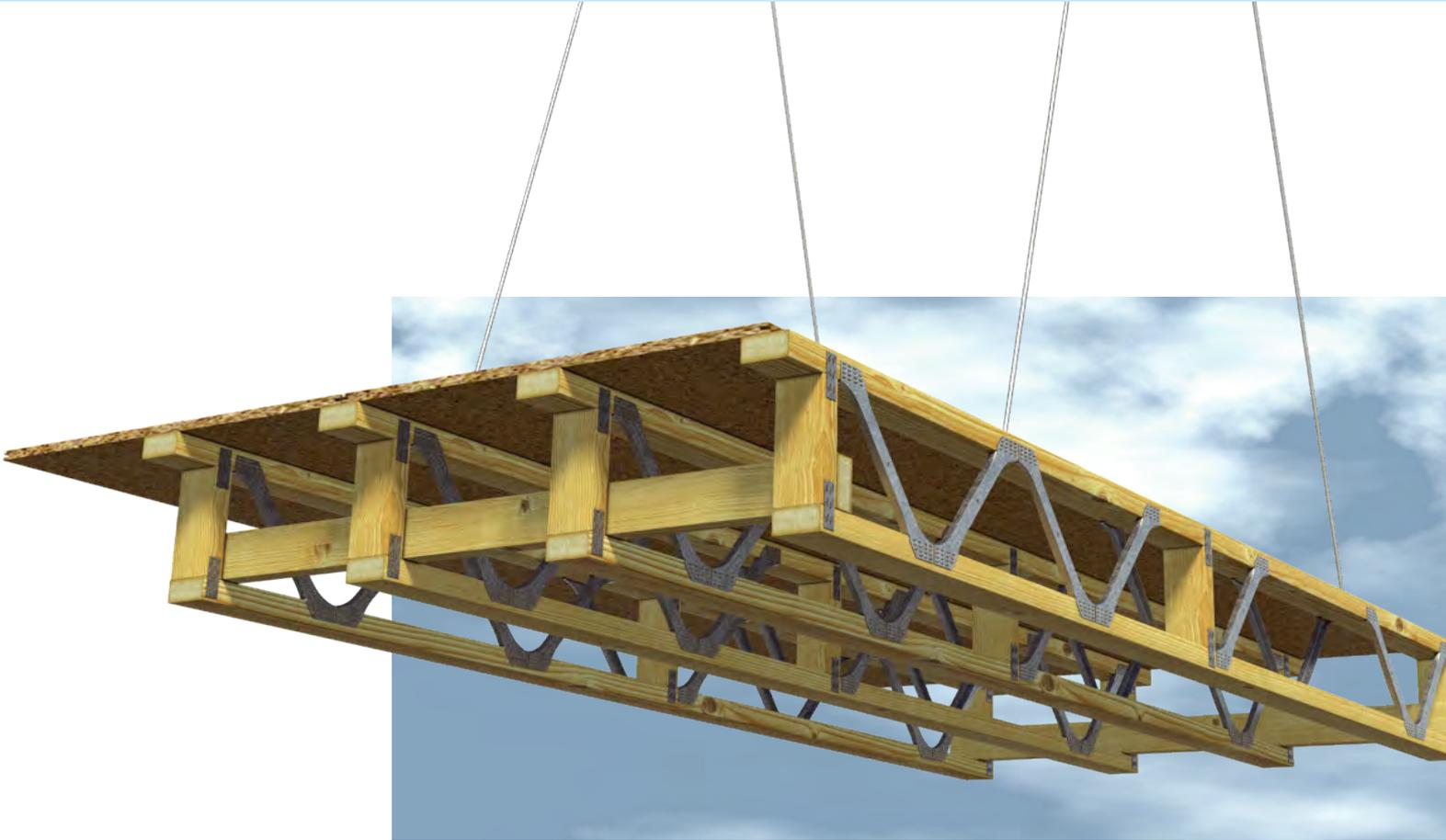
For premium rigidity against vibration, **MiTek** recommends designing for a higher live load or reducing their maximum span capability by 10%.

MAXIMUM FLOOR SPANS: 1.5KPA LIVE LOAD [90MM WIDE WITH SG10 TIMBER]

Posi-Strut Depth	217	248	302	412
400 Centres	4.3m	4.7m	5.3	6.3
600 Centres	3.5m	3.8m	4.4m	5.2m

APPLICATIONS

(continued)



PREFABRICATED CASSETTES

Reduce construction time on site and offer an immediate safe working platform. They are precision built in the prefabrication plant and reduce on-site waste and theft.

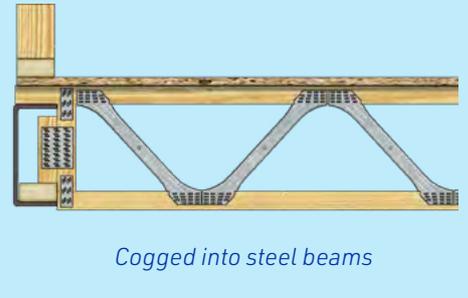
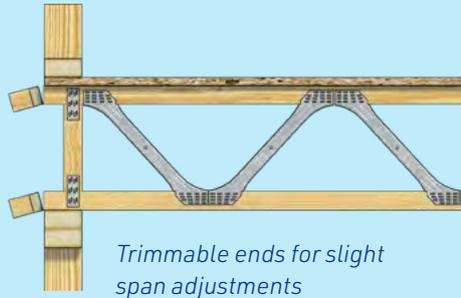
TOP CHORD SUPPORT

Posi-Strut's unique 'Top Chord Support.' Installation is quicker and on-site costs are reduced.

Their wide chord surface also enables the truss to be placed upright without the need for temporary bracing.

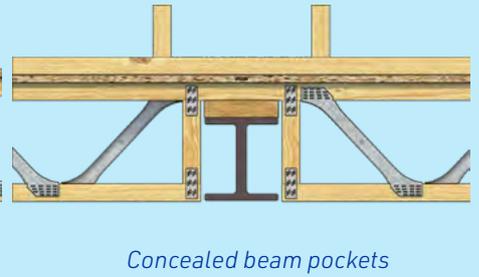
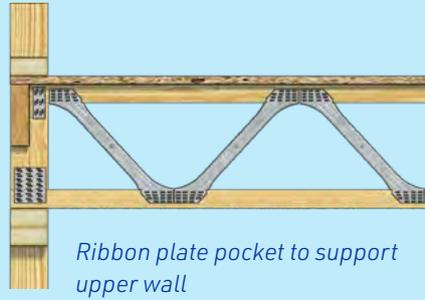


FEATURES & BENEFITS



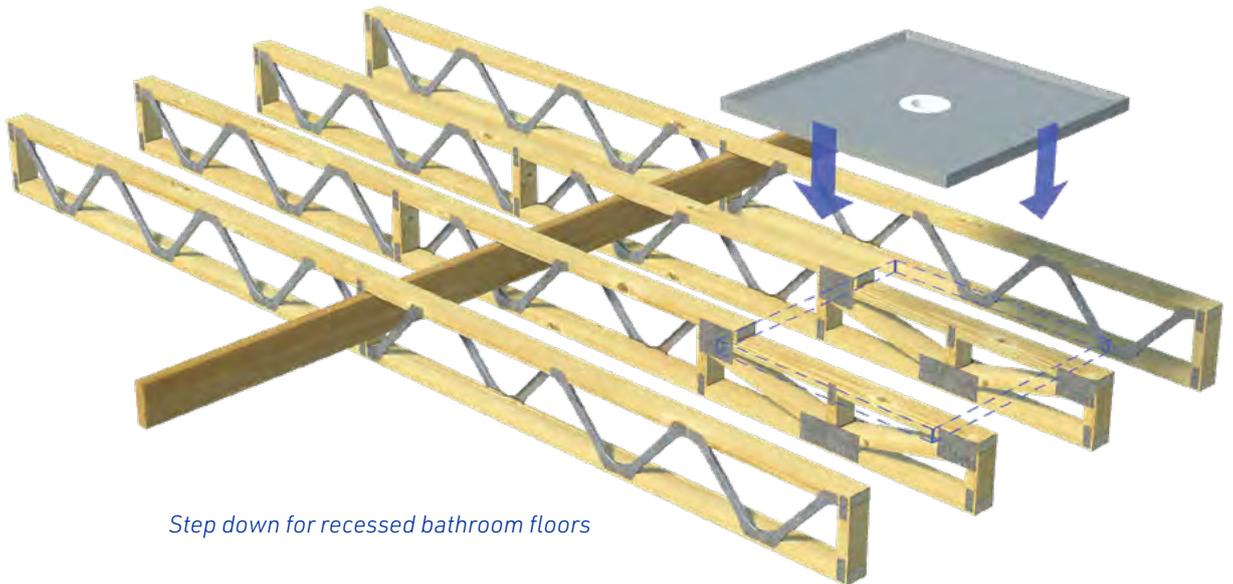
FLEXIBLE END SHAPES & BEARING CONDITIONS

Posi-Strut trusses can be supported off the bottom or top chords or be coggled halfway in between. They can also conceal internal and external beams within their depth.



STEP-DOWN FLOORS

Shower recesses and other step-down floors can be accommodated by Posi-Strut trusses without requiring the builder to do any on site packing.



Cantilever balcony step down



FEATURES & BENEFITS

(continued)

EASY ACCESS FOR SERVICES

No on-site cutting required; saving time / labour and preventing errors or compromising structural integrity.



Rigid rectangle / Flexible round HVAC



TWO-WAY STIFFNESS

Posi-Struts, incorporating Strongbacks, deliver stiff, two way vibration damping and load-sharing.



Improved rigidity & stiffness, reduced bounce, minimal movement, firm under foot



No need for cumbersome herringbone cross bracing

MAXIMUM CAVITIES FOR SERVICES

Posi-Strut Depth (mm)	217	248	302	412
Circular Duct	120	150	200	280
Rectangular Chase	125 x 500	155 x 500	210 x 500	320 x 500

The open webs make Posi-Strut trusses very convenient for fitting services up to these maximum sizes of ducts and chases without needing any on site modifications. Circular ducts may be fitted anywhere along the span where a "vee" is formed and rectangular chases can be built in around the midspan of **Posi-Struts** upon request at design stage.

For more information about PosiStrut trusses or any other **MiTek** products or your nearest licensed **MiTek** fabricator, please call your local state office or visit: miteknz.co.nz

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PLEASE SCAN

For more info on **Posi-Struts**



To find a **Fabricator**



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