

MiTek[®]

PosiStruts



WHY POSISTRUTS ARE ESSENTIAL FOR YOUR NEXT BUILD

STRENGTH AND PERFORMANCE

SIMPLICITY

EFFICIENCY

VERSATILITY

MITEK.COM.AU

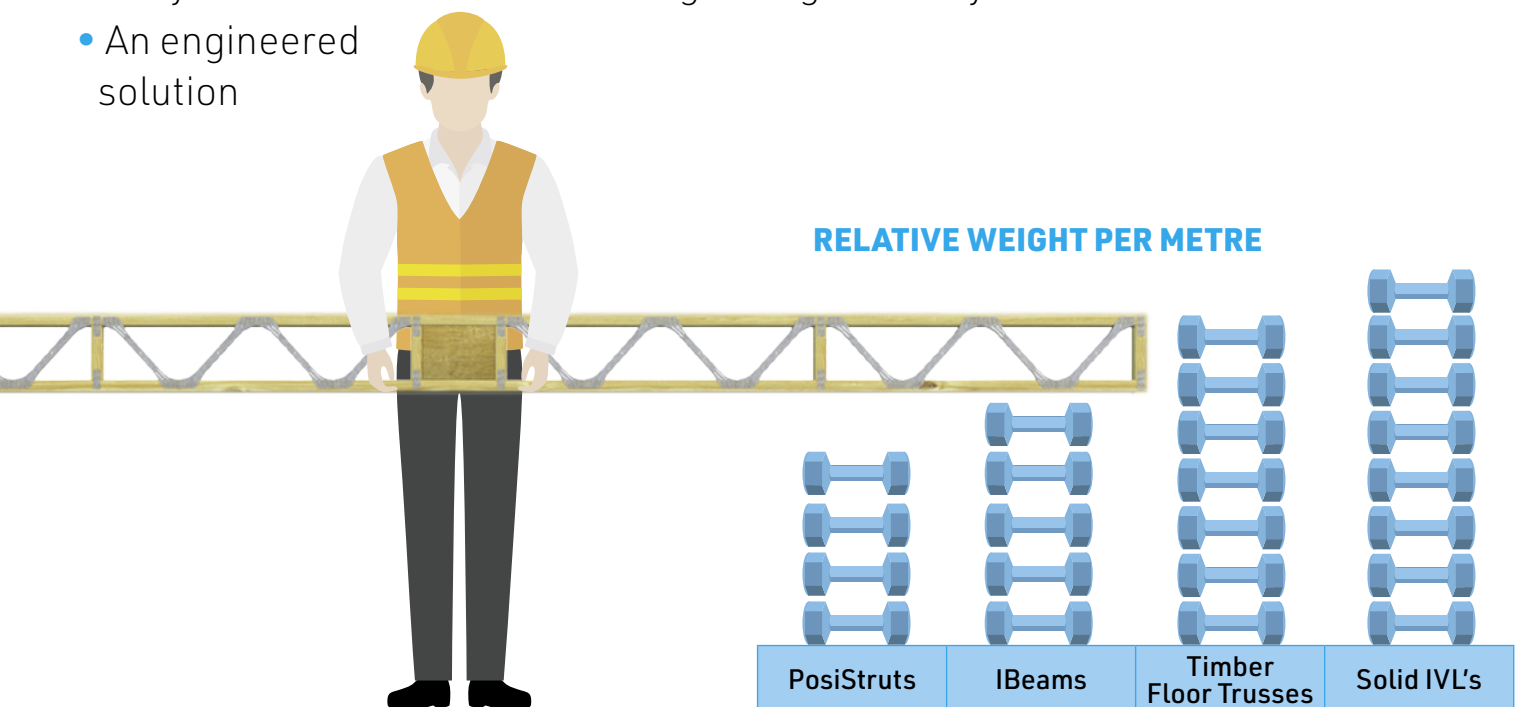
MiTek PosiStruts

ARE AN ENGINEERED, ROOF & FLOORING SOLUTION

MiTek PosiStruts' 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. **PosiStruts** are a truly customised, engineered flooring or roofing system, which combines the versatility of timber with the strength of steel.

ADVANTAGES

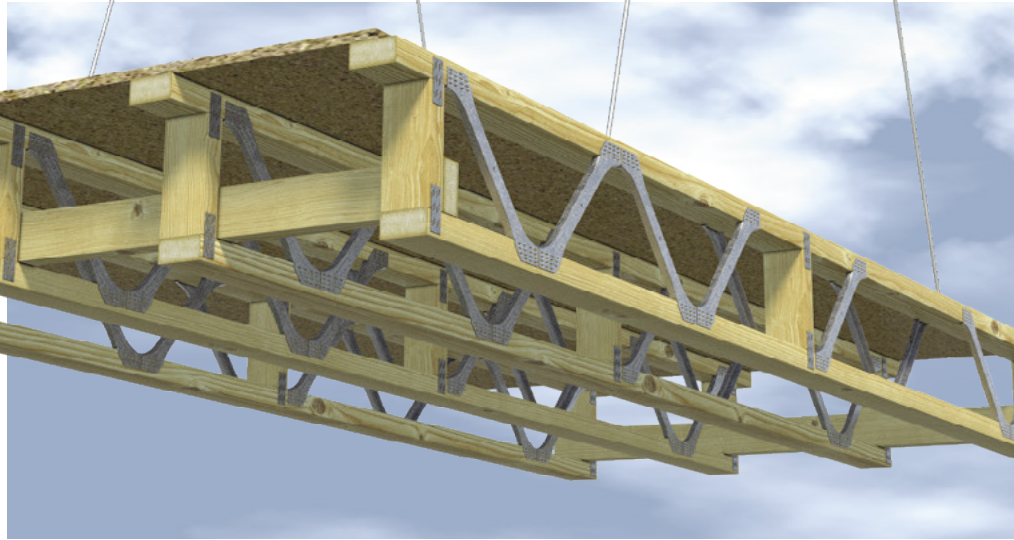
- Ideal for flooring
- Ideal for roofing
- Easy access for services
- An engineered solution
- Large, clear spans
- Optional top chord support
- Lightweight & easy to handle.



APPLICATIONS

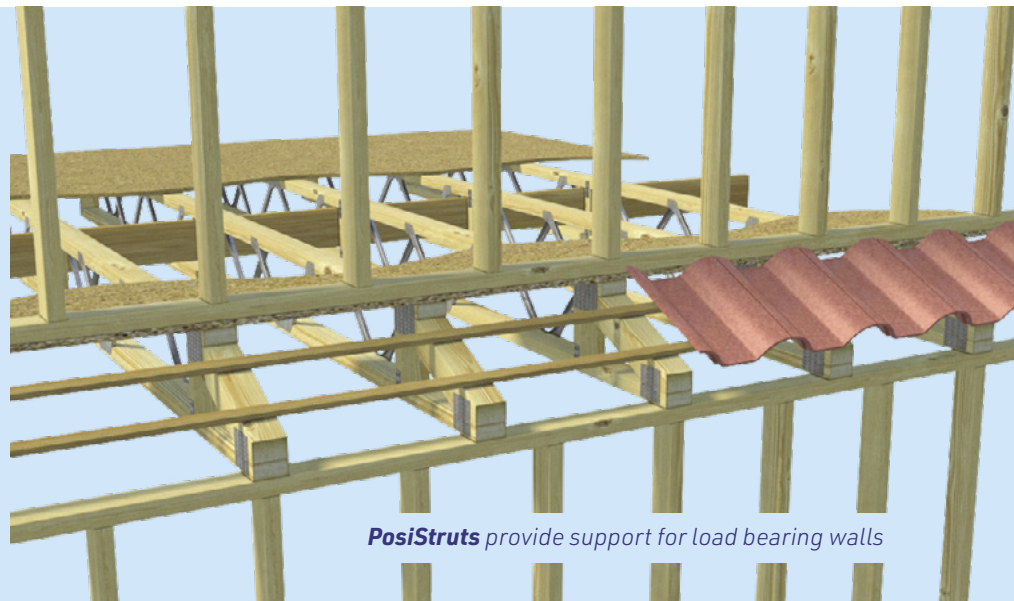
PREFABRICATED CASSETTES

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.



FLOOR JOISTS

PosiStruts' 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.



PosiStruts provide support for load bearing walls

SPAN CAPABILITIES

PosiStrut 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

PosiStrut Depth	197	248	302	360	412
450 Centres	4900	5700	6300	7200	7900
600 Centres	4300	5200	5900	6700	7300

APPLICATIONS

(continued)

WALL BRACING

PosiBrace turns common studs into wall bracing components.



RAFTERS

PosiStrut trusses make perfect rafters for thin roof panels, canopies and cathedral ceilings.

TOP CHORD SUPPORT

No other I-Beam can boast PosiStrut's unique 'Top Chord Support.' Installation is quicker and on-site costs are reduced.

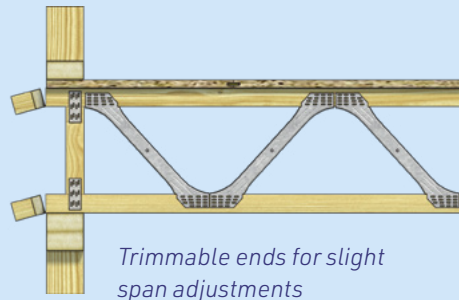
Their wide chord surface also enables the truss to be placed upright without the need for temporary bracing.



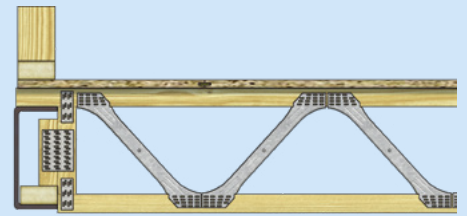
FEATURES & BENEFITS

FLEXIBLE END SHAPES & BEARING CONDITIONS

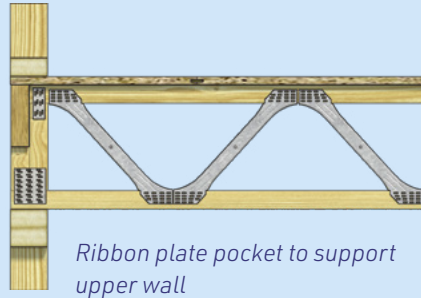
PosiStrut trusses can be supported off the bottom or top chords or be cogged halfway in between. They can also conceal internal and external beams within their depth.



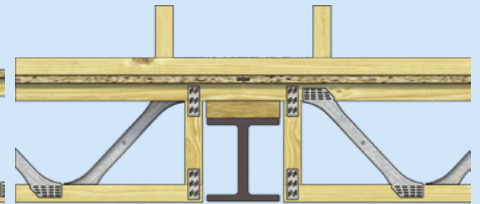
Trimmable ends for slight span adjustments



Cogged into steel beams



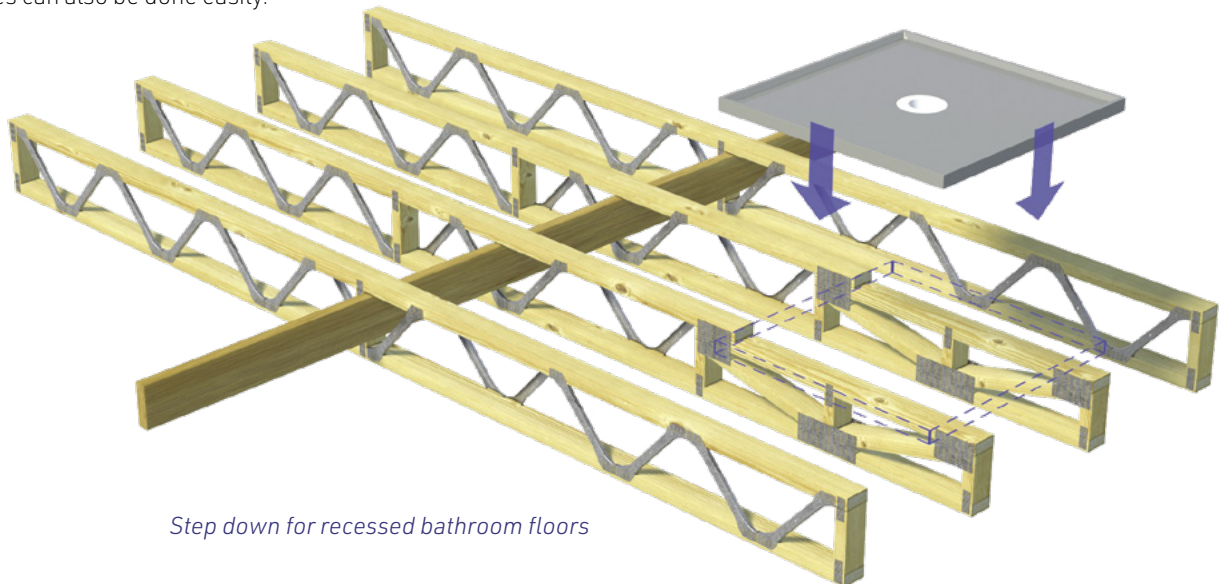
Ribbon plate pocket to support upper wall



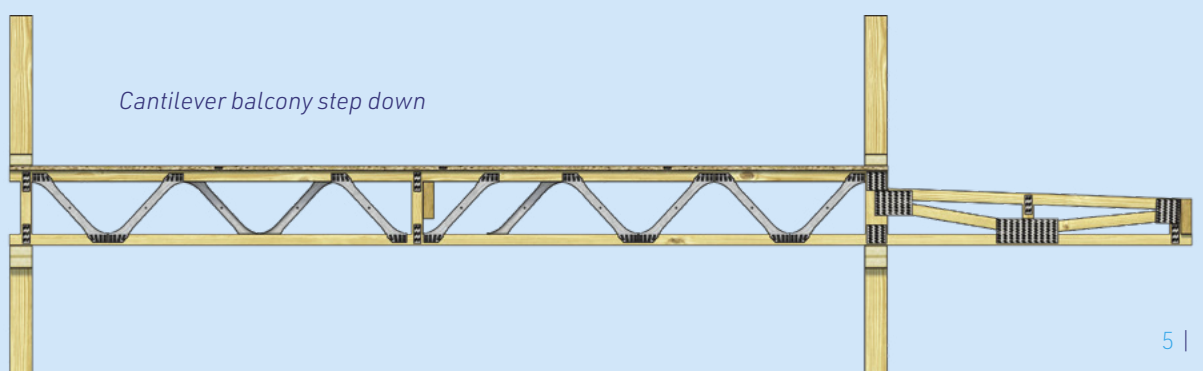
Concealed beam pockets

STEP-DOWN FLOORS

Shower recesses and other step-down floors can be accommodated by PosiStrut trusses without requiring the builder to do any on site packing. Sloped and step down cantilever balconies can also be done easily.



Step down for recessed bathroom floors



Cantilever balcony step down

FEATURES & BENEFITS

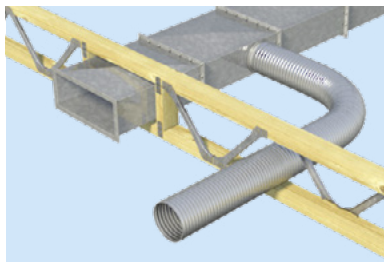
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EASY ACCESS FOR SERVICES

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



Rigid rectangle / Flexible round HVAC



TWO-WAY STIFFNESS

PosiStruts, 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

PosiStrut Depth (mm)	197	248	302	360	412
Circular Duct	120	150	200	245	280
Rectangular Chase	125 x 500	155 x 500	210 x 500	270 x 500	320 x 500

The open webs make PosiStrut 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 inbuilt around the midspan of **PosiStruts** upon request.

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: mitek.com.au

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PLEASE SCAN

For more info on **PosiStruts**



To find a **Fabricator**



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