

P O S I S T R U T S

# ENDLESS Posi-bilities



creating the **advantage**



## **MiTek POSISTRUTS ARE A TOTALLY ENGINEERED, ROOF AND 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, totally 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



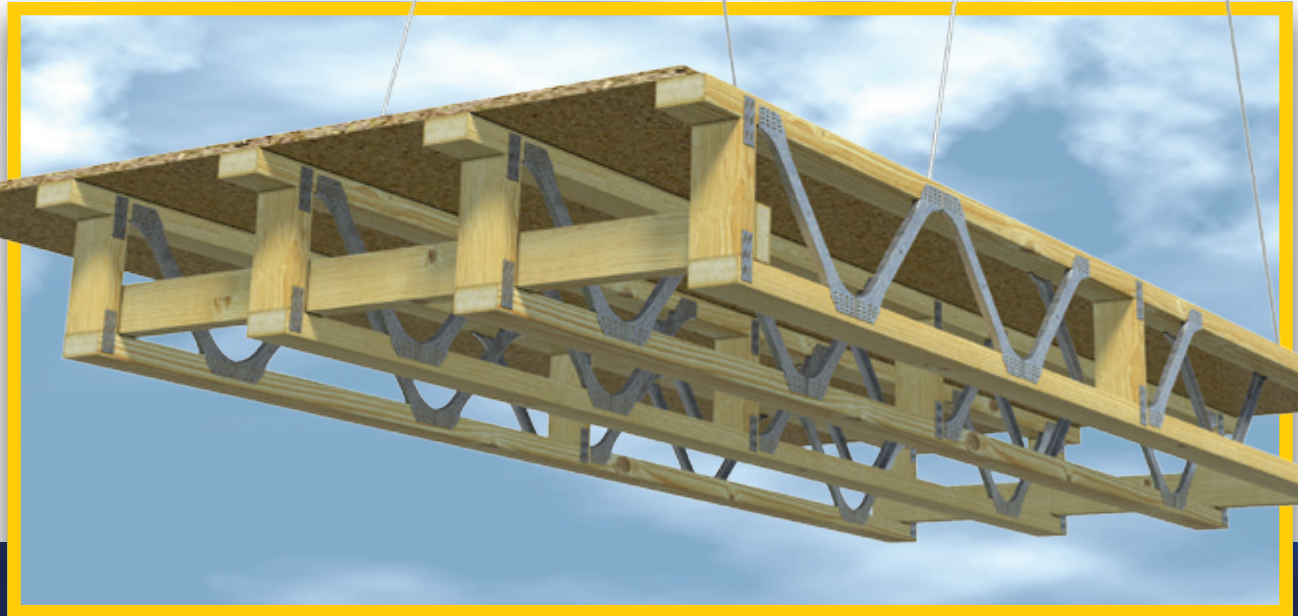
*Relative weight per metre*

PosiStruts			
IBeams			
Floor Trusses			
Solid LVL's			



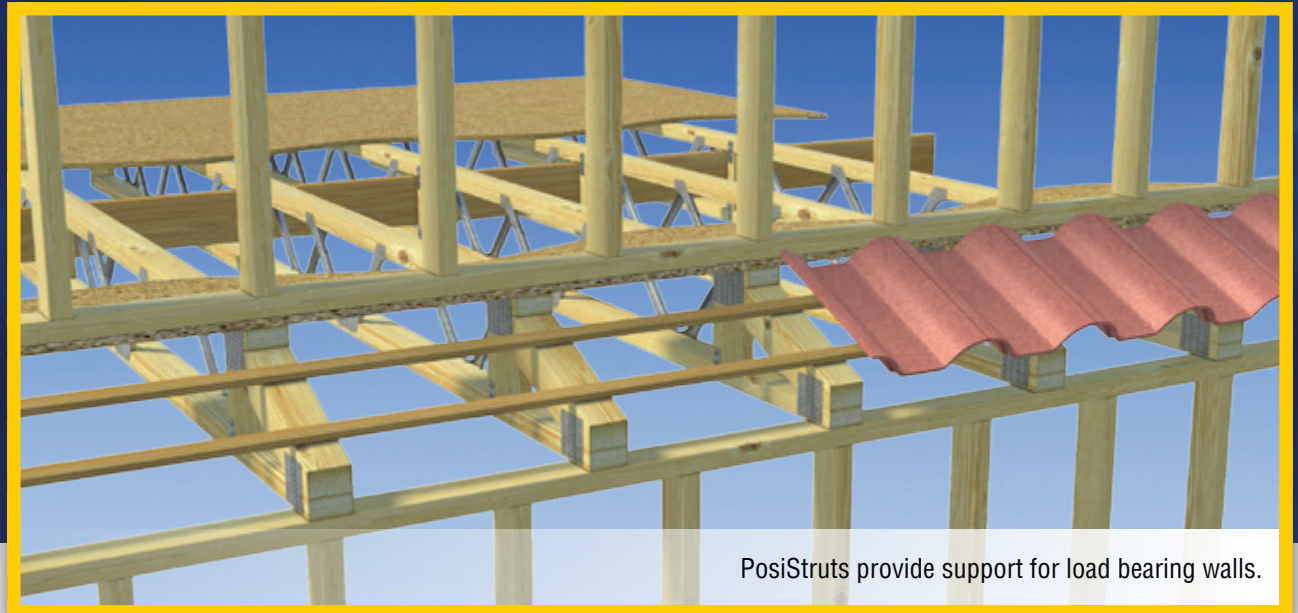
## Prefabricated Cassettes

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.

Typical 1.5kPa Floor Spans

PosiStrut Depth	197	248	302	360	412
450 Centres	4300	5600	6200	7000	7400
600 Centres	3500	4700	5100	5700	6200

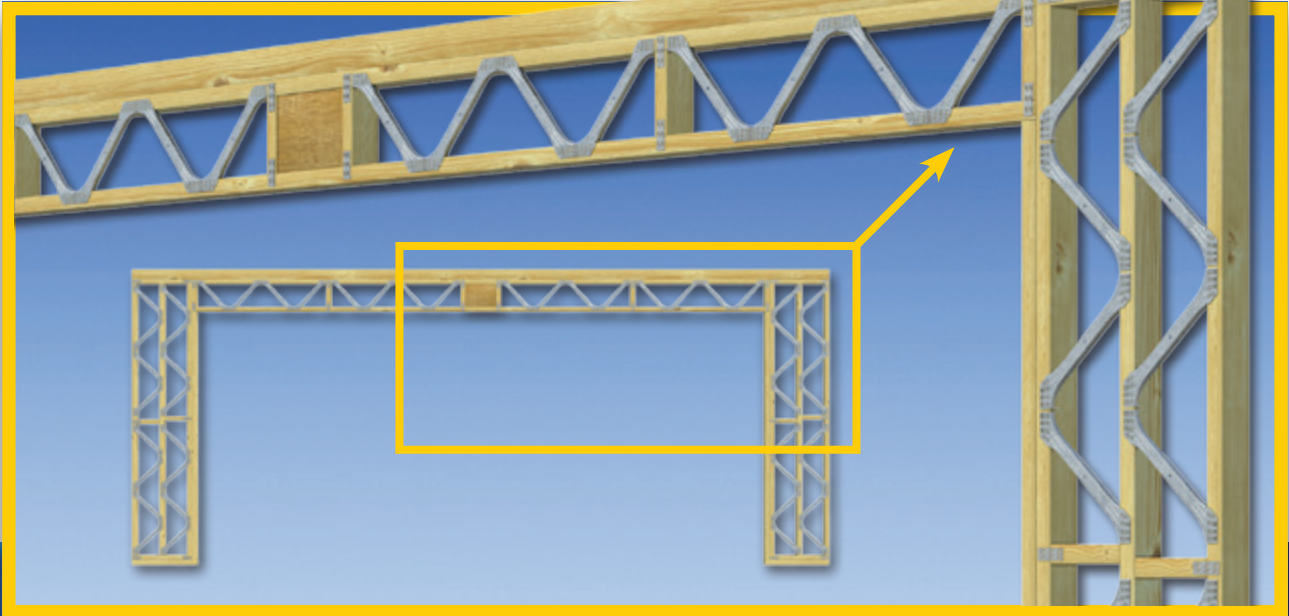
## Span Capabilities

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%.

## Wall Bracing & Lintels

PosiBrace turns common studs into wall bracing components. And by combining PosiStruts with top plates and trimmers, they become lintels to span over double garage openings.



## Purlins & Girts

The out-of-plane stiffness of their wide flanges makes PosiStrut trusses ideal purlins & girts.



## Rafters

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



## Top Chord Support

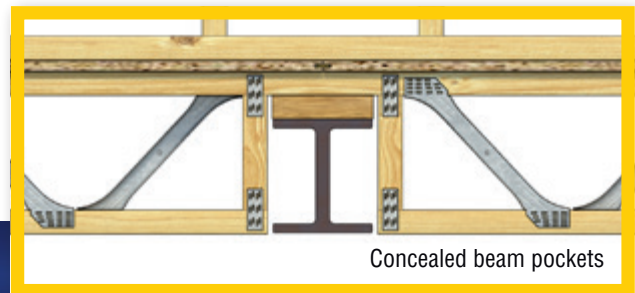
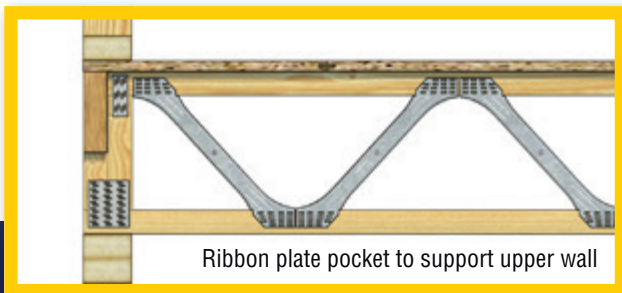
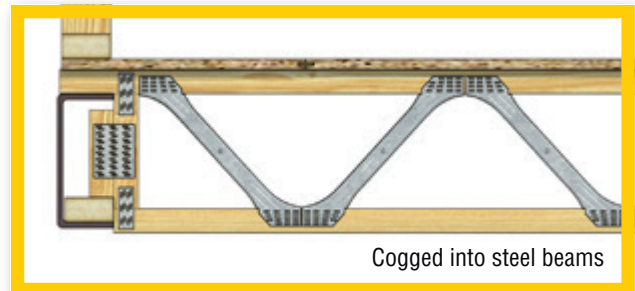
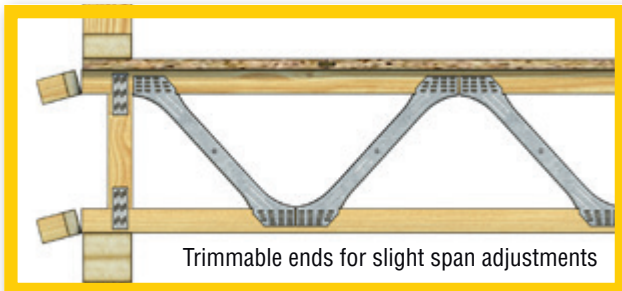
No other I-Beam can boast PosiStrut's unique 'Top Chord Support.' Installation is quicker and on-site costs are reduced. Their wide chord surface also enables the truss to be placed upright without the need for temporary bracing.





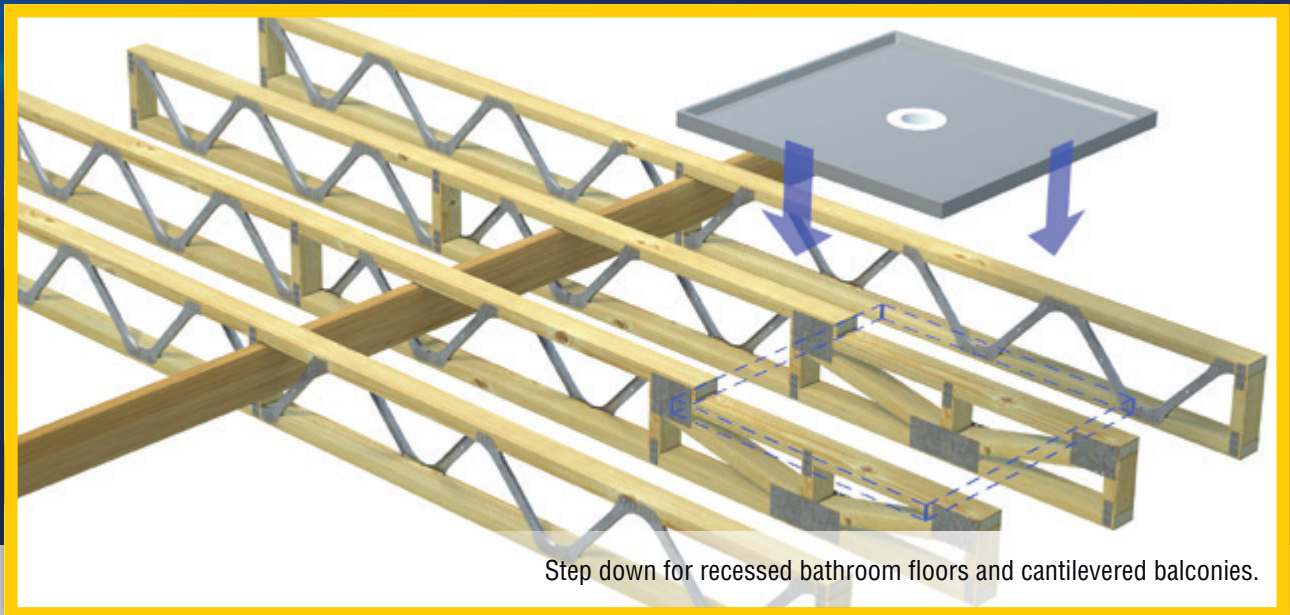
## Flexible End Shapes & Bearing Conditions

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



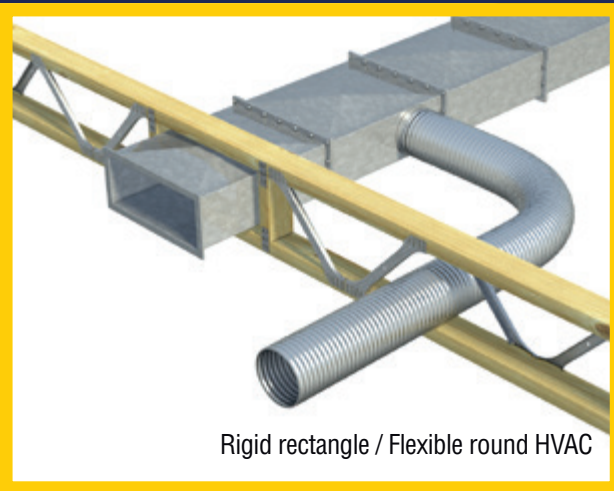
## Step Down Floors

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



## Easy Access for Services

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



## Two-way Stiffness

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



## 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](http://mitek.com.au)



creating the **advantage**