

Titan HV panel decking system from

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- Virtually no plywood required
- Drop-head allows early striking
- Main components erected from below
- All components man handleable

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The Titan HV panel decking system provides a rapid, versatile and efficient means of casting in-situ concrete decks in a wide variety of applications.

Lightweight and easy to use, Titan HV comprises just 3 main components and can be erected and dismantled by a team of two operatives without the need for special tools, making it one of the least labour intensive systems on the market.

With all erection and dismantling undertaken from beneath the deck itself, Titan HV minimises requirements for working at height and makes a major contribution to site safety.

The system's modular nature simplifies the entire process, naturally creating a 1.8m grid that self-sets. This simplicity in use, combined with the system's drop-head, allows for early stripping and re-use of beams and panels, thus enhancing site productivity whilst maintaining automatic backpropping.

Versatility is also a key feature of Titan HV; columns, wall corners, curved walls and many other potentially problematic features can be accommodated with ease by means of simple positioning and adjustment of panels and infill beams.



Erecting and stripping

Primary beams are mounted onto the drop-head, which are attached with two speed-thread bolts to either HV legs or Titan legs according to requirements. The Titan HV panels are then simply lifted into position between the beams.

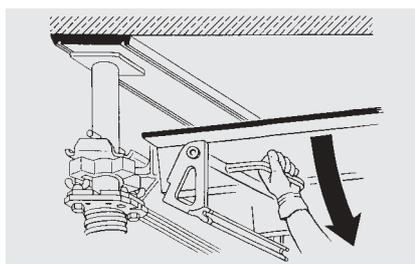
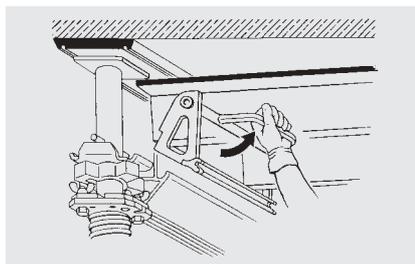
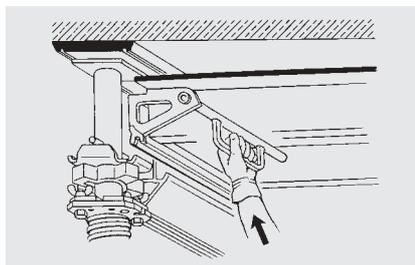
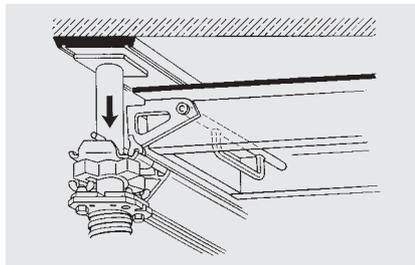
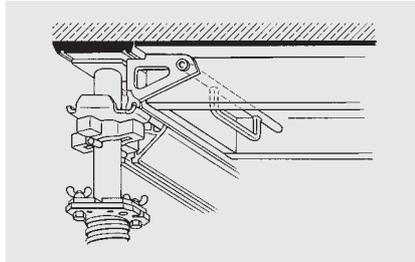
Lightweight components and the system's 1.8m module make erection quick and easy. The entire system self-sets according to component dimensions with minimal requirements for adjustment and positioning.

Gaps between panels and above drop-heads are closed with a rigid GRP filler strip to ensure integrity of deck and to protect mechanism during pouring. Columns, walls and other special features are similarly accommodated.

Steel reinforcement is laid across the deck and pouring commenced.

One of the key advantages of the Titan HV panel decking system is the ability to strip formwork components at an earlier stage than would be possible with other systems, liberating equipment for use on other parts of a projects and minimising requirements for stockholding on site.

Stripping is achieved through the cam action drop-head mechanism, which is released by the stroke of a hammer. On release, primary beams and panels are dropped 100mm ready for stripping, leaving the legs in place as props to support the concrete deck. The fact that there is no need for additional back-propping procedures further increases the system's contribution to site productivity.



Quick release handle on one side of panel allows erection and stripping from beneath deck.



Modular system maintains dimensional accuracy.



All components designed and manufactured to high standards to assure durability in use.



Box-outs and inserts can be fixed to panel.

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Easily accommodates plywood to non-standard in-fills.



Drop-head allows quick release of all primary beam and panel components for re-use, maximising productivity and utilisation.



Hard-wearing GRP synthetic faced panel and in-fill strip give high quality finish.



Quick release handle is easy to operate.



Lightweight panels allow one-man operation.

Features and benefits

- Lightweight components facilitate rapid erection and dismantling
- Enhances safety on site
- Minimises labour requirements and costs
- Self-sets to save time
- Early stripping maximises equipment re-use
- Single panel with GRP synthetic cover obviates need for ply
- Continual back-propping improves productivity



Titan HV Components

The Titan HV panel decking system comprises 3 main components:-

Primary beam
Drop-head
HV panel

The drop-head

- Hot dip galvanised steel
- Fixed to prop with 2No. speed thread bolts
- Fast stripping by cam action mechanism
- No special tools – hammer only required for stripping



Primary beam

- Lightweight, high strength aluminium
- Durable construction
- Easy, fast and safe handling



The HV panel

- Lightweight aluminium panel faced with GRP synthetic
- 1.8m x 0.45m panel weighs 16kg and provides 0.8 sq m deck area
- Quick release handle facilitates one-man operation



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Ischebeck Titan Group

Founded in Germany over 120 years ago, Ischebeck is renowned internationally for its aluminium formwork and false work systems, trench support systems and ground engineering products.

Ischebeck Titan Ltd

The company operates from headquarters centrally located in the heart of the UK.



Product Availability

Substantial stocks of equipment are available ex-stock from the company's strategically located 4-acre distribution site, with most items available nationwide on a 48-hour delivery. Products are available for both hire and outright purchase.

Technical Support

We will participate in concept stage development. Providing input on applications, production rates, budget design and costings. Active for on site support, particularly for new users. We can provide guidance on industry special european and national standards.



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