



Transforming Car Park Construction with **Fielders and PARKD**

A smarter way to build multi-level car parks

Fielders, in collaboration with PARKD, introduces a cutting-edge modular flooring solution for multi-level car park developments.

By combining the proven performance of Fielders SlimDek 210® with PARKD's patented MDSB® Bracket and comprehensive engineering expertise, this system delivers faster, safer, and more sustainable construction outcomes.

This innovative system redefines how car park structures are designed, detailed, and delivered – bringing together two Australian leaders in structural steel flooring and modular construction.

It's a complete systemised solution, designed to help developers and contractors:

- Pre-designed for all car park arrangements
- Optimises construction time to minimise site disruption
- Standardised kit-of-parts components for rapid cost planning and construction programming
- Meets current Australian Standards and Codes
- High productivity with low labour required to install the system.

Partnership Benefits:

- **Fielders:** Decades of experience in composite steel flooring systems and SlimDek 210® performance
- **PARKD:** Proven capability in modular car park design, detailing, and innovative offsite modular solutions
- **MDSB® Bracket:** A patented connection system enabling pre-assembled floor modules for superior speed and quality
- **Turnkey Collaboration:** Seamless project delivery with shared engineering knowledge and construction expertise.



PARKD





Why choose the MDSB® + SlimDek® system solution?

The MDSB® + SlimDek® system delivers faster, safer, and more efficient car park construction with less labour and disruption.

- **Pre-Engineered & Prefabricated:** Modules arrive assembled, reducing build time and enabling precise, rapid installation
- **Turnkey Kit-of-Parts:** A complete, standardised system – easy to plan, cost and construct
- **Low Labour, High Output:** Minimal site crew required; safer, faster installs with reduced work-at-height
- **Flexible & High Performing:** Clear spans up to 22m, high load capacity, adaptable to future re-use or expansion.
- **Sustainable by Design:** Uses up to 50% less concrete and 25% less steel compared to traditional methods
- **Expert Support & Secure Supply:** Backed by specialist teams and a coordinated supply chain for smooth delivery.

The MDSB® Bracket – Modular Connections, Smarter Construction

At the heart of this system is the patented MDSB® (Metal Decking Support Bracket), developed by PARKD and manufactured by Fielders.

Specifically engineered to work with SlimDek 210®, it creates a secure, load-bearing connection between the decking modules and precast beams, enabling complete floor modules to be assembled offsite or at ground level.

Designed for precision and safety, the MDSB® bracket:

- Connects SlimDek® sheets to primary structure with integrity and speed
- Acts as a rigging point for safe lifting of modules and to minimise work-at-height activities
- Supports temporary edge protection prior to lift – improving on-site safety
- Boosts site productivity by allowing metal decking to be modularised and dropped in place.

This is a project-specific, optional enhancement to SlimDek 210® – turning a proven profile into a fully modular, offsite-ready flooring solution.





Proven Results with Real World Applications

Two successful proof-of-concept car park projects in Western Australia have demonstrated how the MDSB x SlimDek® system:

- Delivers **lightweight** modular frames that minimise site load demands
- Achieves clear spans up to **22m**
- Reduces or even **eliminates** the need for intermediate **propping**
- Enhances project sequencing, **reducing downtime** and **streamlining** site activities

- Enables flexible design with an efficient structural solution for multi-storey car parks.

The system's adaptability and reduced reliance on skilled site labour makes it ideal for multi-level car park projects demanding safety, speed and sustainability.

The system forms part of a larger PARKD modular structure offering including precast columns and continuously voided beams, edge protection systems, Integrated stairs, crash barriers, and lifting systems.

From Planning to Parking – Backed by Proven Expertise

Clients benefit from the combined expertise and practical know-how of Fielders and PARKD:

- **Fielders:** A trusted leader in composite flooring, delivering proven SlimDek 210® solutions
- **PARKD:** Experts in modular car park design, detailing and construction, including the development of the innovative MDSB® bracket system

- **Joint Approach:** Fielders and PARKD engineers work together to deliver systemised, offsite-ready modular solutions, from feasibility to final construction.

This integrated approach ensures your project is built faster, smarter and with greater certainty, with one collaborative team supporting you every step of the way.



fielders.com.au

FOR SALES AND TECHNICAL ENQUIRIES CALL 1800 182 255

Fielders® and © product names are registered trademarks of BlueScope Steel Limited and ™ product names are trademarks of BlueScope Steel Limited. © 2025 BlueScope Steel Limited. ABN 16 000 011 058. All rights reserved.
PARKD® and MBSD® are registered trademarks of PARKD Ltd. ABN 94 615 443 037. All rights reserved. FIE0691 - 06/25

