

# ACCESS AND ENVIRONMENT



**THE ULTIMATE  
TEMPORARY  
ROADWAY**



**WHEREVER YOU WANT TO GO,  
WE'LL GET YOU THERE.**

FAUN Trackway Limited has an extensive history of aluminium military product manufacturing capability in the UK and has been the global leader in the design, manufacture and supply of expeditionary recoverable matting for over 70 years. Our products, used in land and air operations, are relied upon daily by military engineers in over 40 countries.

Our products are unsurpassed in functionality, quality and durability and our Trackway products are the solution provider of choice for terrain access systems worldwide.

ACCESS AND ENVIRONMENT sector offers readily available COTS (Commercially off the Shelf) product range of efficient recovery matting known as Trackway® designed for the commercial market.

Products have been designed specifically for the commercial sector and have been engineered and manufactured with our core product values in mind;

- ▶ Timeliness
- ▶ Accuracy
- ▶ Communication
- ▶ Helpfulness
- ▶ Excellence

Our civilian Trackway product range is manufactured with high-grade materials and are extremely durable in all climates, with a lifespan in excess of 40 years. Most importantly it offers rapid access and recovery for vehicles and people in rugged, boggy or otherwise inaccessible terrain.



**BRK - BOAT RAMP KIT**



**VRM - VEHICLE RECOVERY KIT**



**ROADWAY AND DISPENSER**

Originally Saunders Roe, Isle of Wight, in 1940 the company relocated to Anglesey and later, in 1968, became Laird (of Anglesey) Limited. In 1996 Laird was acquired by FAUN GmbH, part of the KIRCHOFF group; an innovative, family-owned German group of engineering and manufacturing companies that have been providing mobility solutions for over 220 years.

In 2015 FAUN Trackway became its own entity as a limited company with our headquarters based in the heart of Anglesey where we continue to design and manufacture our Trackway products.

In over 70 years of designing and manufacturing expedient surfacing solutions, our products have never been beaten.





## QUALITY

We are dedicated to quality, holding ISO 9001 accreditation. Our Continuous Improvement Process (CIP) system and 5S processes ensure unrivaled design and manufacture quality, coupled with exceptional customer service.

## ENVIRONMENT

We are aware of our responsibility towards environmental protection, holding ISO 14001 accreditation. Our products are long lasting and recyclable at the end of their lifetime. Deploying Trackway will protect delicate habitats and environments from heavy traffic.

## HEALTH AND SAFETY

FAUN Trackway are committed to stringent occupational health and safety regulations. FAUN Trackway proudly adhere to the OHSAS 18001 framework for the effective management of Occupational Health and Safety including; all aspects of risk management and legal compliance.

## INNOVATION

We maintain an innovative approach when designing our ground mobility solution products. Ever changing physical environments, coupled with the complexity of modern logistical planning and evolution of aircraft and vehicles require solutions that are responsive to change.

## AFTER SALES

We offer through-life support of our products, including provision of spare parts, servicing, reliability and maintainability reporting, refurbishments, and comprehensive documentation.

Our after sales support packages can be tailored to your exact requirements.

## TRAINING

We offer training courses for operators and maintainers of our roadway solutions, and installation, removal and maintenance training courses.

Our training courses can be complemented with our computer based training packages – delivering the theory content of the course via interactive computer software.



# C40 & C90 TRACKWAY SOLUTIONS

## ROAD ACCESS ANYWHERE



FAUN C40 and C90 have been developed for the commercial market. Our Trackway® enables the rapid deployment and recovery of vehicles and people. It provides access for these vehicles into areas where there are no roads, or roads that have been damaged enabling boggy or marshy terrain to become accessible to heavy vehicles. The Trackway is best suited to adverse terrain conditions, including; forests, snow, marsh, mud and sand in a variety of climates.

Applications are endless...

C40 Trackway is a temporary modular lightweight roadway which provides a high traction surface and can be deployed and recovered quickly and efficiently. Able to withstand repeated passes of vehicles with axle loads of up to 13 tonnes. C40 Trackway is a modular system comprising of single aluminium panels connected by a 'tongue and groove' joint allowing articulation of each panel, each panel is secured with a quick release locking pin. It is easily cleaned due to the open nature of the profile.

C90 Heavy Plant Roadways is designed to withstand repeated passes of vehicles with a gross weight of up to 150 tonnes, with axle loads of up to 18 tonnes. Bladestop options allow repeated travel by grouser plant machinery with a half panel system enabling quick splitting of roadway to any desired length.

# UTIONS



**C40**



**C90**



## FEATURES AND BENEFITS

- ▶ Modular system that can be deployed and recovered quickly and efficiently.
- ▶ Can be constantly reused with a long operational life and is 95% recyclable
- ▶ Panels are easily removed and replaced as required with easy splitting and joining to create the length required.
- ▶ Provides a high traction surface.
- ▶ Withstands ambient temperatures ranging from -40°C to +60°C.
- ▶ C40 panels minimise the retention of mud and debris due to its non-inverted profile.
- ▶ C90 panels are structurally stronger and stiffer, enabling the support of substantially heavier loads.
- ▶ Anodised GREEN to 20 micron as standard to prevent oxidation.
- ▶ Flat packed or rolled for manual deployment or coiled onto a spool for mechanical deployment.

Each Trackway system comprises of:

- ▶ Trackway– 40m length, 3.3m and 4.2 m width of C40 aluminium panels dependent in host machine, and 50m length, 4.6m width of C90 aluminium panels, coiled onto a spool on the beam dispenser.

## OPTIONAL

- ▶ Spool – steel structure onto which the Trackway panels are coiled. The spool slots into the Beam Dispenser.
- ▶ Beam Dispenser – dispensing and recovery system for the Trackway. The dispenser is mounted to a suitable host machine.
- ▶ Beam Dispenser Shipping Frame - a frame that stores and transports the Beam Dispenser and one full spool of 40m Trackway.
- ▶ Push bar

# BOAT RAMP KIT (BRK)

LAUNCH // LAND // RECOVER



FAUN Trackway Boat Ramp Kit (BRK) is a temporary to permanent modular roadway that can be deployed into water to provide a stable, high grip surface and facilitate easy launching and recovery of watercraft and people.

The BRK can be manually deployed using the pushbar. The optional specification beam dispenser facilitates the launch and recovery of the Trackway using a host machine via a bespoke adaptor plate.

Made of high-grade aluminium it is extremely durable in all climates and has a life expectancy in excess of 40 years. It can be used in areas where it is not suitable for conventional boat ramp structures such as; tidal area, freezing waters, marsh, or if the boat ramp is temporary it provides seasonal access to water. When the boat ramp is not being used for water access, it can be used as a temporary roadway to stabilise difficult terrain or enable vehicle recovery.



## FEATURES AND BENEFITS

- ▶ Trackway does not float and therefore is suitable for use in flowing water.
- ▶ Withstands ambient temperatures ranging from -40°C to +60°C.
- ▶ Prevents vehicle damage and protects environments.
- ▶ Easily and quickly assembled from lightweight man handled panels, it is secured by unique locking pins therefore no nuts and bolts to easily lose.
- ▶ The Boat Ramp Kit can be rolled up for storage and transportation and is highly resilient to long periods of water immersion.
- ▶ Made of high grade aluminium it is extremely durable in all

climates and has a life expectancy in excess of 40 years.

Each BRK system comprises of:

- ▶ Trackway Boat Ramp
- ▶ Boat Ramp Laying and Recovery Kit
- ▶ Boat Ramp Anchoring Kit

# VEHICLE RECOVERY MAT (VRM)

**MODULAR // DURABLE // TRACTION**



The Vehicle Recovery Mat (VRM) is suitable for all vehicles and assists in the recovery of stranded down vehicles, or helps vehicles gain traction on soft ground and avoids causing damage to the ground surface providing improved accessibility across difficult terrains including; river fordings, marshland, beaches, forests and verges. VRM is a modular system comprising of single aluminium panels connected by a 'tongue and groove' joint allowing articulation of each panel, each panel is secured with a quick release locking pin. This enables the VRM to be laid on undulating ground.

The system can be rolled up, stored flat, or hung on vehicles for storage. VRM is modular therefore can be easily split and joined together by hand to create custom lengths. VRM is designed to be repeatedly reused, is highly durable and has a long operational life. The VRM System is easily cleaned due to the open nature of the profile, minimising retention of mud and debris and eliminating contamination issues.



## FEATURES AND BENEFITS

- ▶ No maintenance system.
- ▶ Reduces damage in environmentally sensitive areas.
- ▶ Provides a high traction solid surface and does not wrap around tyres.
- ▶ 100% recyclable.
- ▶ VRM is designed to withstand repeated passes of vehicles with a single axle mass up to 13,000kg.
- ▶ VRM withstands ambient temperatures ranging from -40°C to +60°C.
- ▶ VRM does not float and is therefore suitable for use in flowing water.

Each VRM system comprises of:

- ▶ Storage Box
- ▶ VRM Panels (including locking pins)
- ▶ Spare Locking Pins
- ▶ Shovel
- ▶ Canvas Bag
- ▶ Cambuckle Strap with Claw Ends
- ▶ Manual

# ROADWAY AND DISPENSER

DEPLOY // TRANSPORT // RECOVER // STORE



FAUN Trackway Roadway and Dispenser is a deployment, recovery, transportation and storage device for up to 40m of C40 or C90 Trackway. The beam dispenser is mounted via a bespoke adapter plate and quick release coupling to a host machine with suitable lifting capacity, fitted with auxiliary hydraulic connections. It can be easily mounted to a variety of host machines via a bespoke designed adapter plate. The Trackway is suitable for wheeled vehicles, cranes and plant equipment and will withstand repeated loads of up to a max single axle load of 13 tonnes.

Our Roadway and Dispenser carries up to 40m of C40 or of 50m of C90 Trackway panels which are coiled onto an interchangeable spool. The Trackway is deployed in less than five minutes under constant tension when driving the host machine forwards and recovered hydraulically when reversing.

Any required length of Trackway can be deployed, utilising a number of spools giving the benefit that with the beam dispenser, lengths of Trackway can be deployed sequentially, quickly and efficiently by taking advantage of the interchangeable spools. The length of Trackway carried on the spool is dependent on the host machine capability. The spool is locked in place on the beam dispenser by secured manual locking levers. The spooling in and out of the Trackway is controlled by the driver via the auxiliary hydraulic circuit of the host machine.



## FEATURES AND BENEFITS

- ▶ Suitable for mineral oil and biodegradable oil.
- ▶ Operated by the host plant control system, additional controls are not required.
- ▶ Roadway and Dispenser is supplied in RAL 2011 Safety Orange as standard, other colours option at additional cost.
- ▶ Withstands ambient temperatures ranging from  $-40^{\circ}$  to  $+60^{\circ}$ .
- ▶ Requires simple, periodic maintenance which offers a reduced whole life cost.
- ▶ Can be mounted to tele-handlers, telescopic forklifts and wheeled loaders subject to specification.
- ▶ 95% recyclable.

Each Roadway and Dispenser system comprises of:

- ▶ Beam Dispenser
- ▶ Interface plate for host machine
- ▶ Spool for coiling/uncoiling the Trackway
- ▶ C40 Trackway - 3.3m and 4.2m width available.
- ▶ C90 Trackway - 4.6 width available.

## OPTIONAL

The Roadway and Dispenser system comes with a hydraulically powered beam rotation assembly. This enables the beam to be rotated to reduce its effective width for access through narrower openings.

# TESTIMONIALS

FAUN Trackway products are used by customers worldwide, are unbeaten in trials and offer the highest quality of manufacture and service.



"It is unusual to have a project delivered ahead of time. Well done to the FAUN TRACKWAY team."

**Brigadier Carell. Army Chief of Land Forces, Sweden**



"This equipment has a superior quality and operates effectively in all conditions including extreme climates including Arctic conditions."

**Lieutenant Colonel Stefan Axelsson – Head Of Development, Swedish Engineer School**



"This was the first time Switzerland had entered into such a co-operation with another country (Sweden) and it was surprising how successful this had been."

**Marcus Rubi – Engineer – Rescue Material and NBC Protection, Armasuisse, Switzerland**



"We would like to praise the high level of professionalism of the employees at FAUN Trackway. We can confirm that FAUN Trackway has fulfilled the technical requirements and all stipulations. We are looking forward to future co-operation".

**Christian Gnaegi, Project Manager Engineer  
Equipment from Armasuisse the Competence Center for Procurement within the Federal Department of Defence**

"After an extensive period of testing and trials the Norwegian Defence Procurement division placed an order for 8 HGMS in 1997. Since delivery of the HGMS they have been in active use by the armed forces in both the north and south of Norway and in missions abroad. HGMS has given us mobility capability that we did not have before the procurement. Further to this the system is easy to operate, has excellent build quality and operates effectively in all conditions."

**Per Anne Johnson, Principal Officer, Head of Contract Office. Kolsaas, Norway**

"We were impressed by the manner in which FAUN Trackway approached our initial brief, and the ease and speed in which the team went from concept to design to fully-functioning prototype. We are confident that with this order we will significantly enhance our capabilities in difficult environments."

**Danish Acquisition and Logistics Organisation**

# FOLLOW THE TRACKWAY STORY:





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