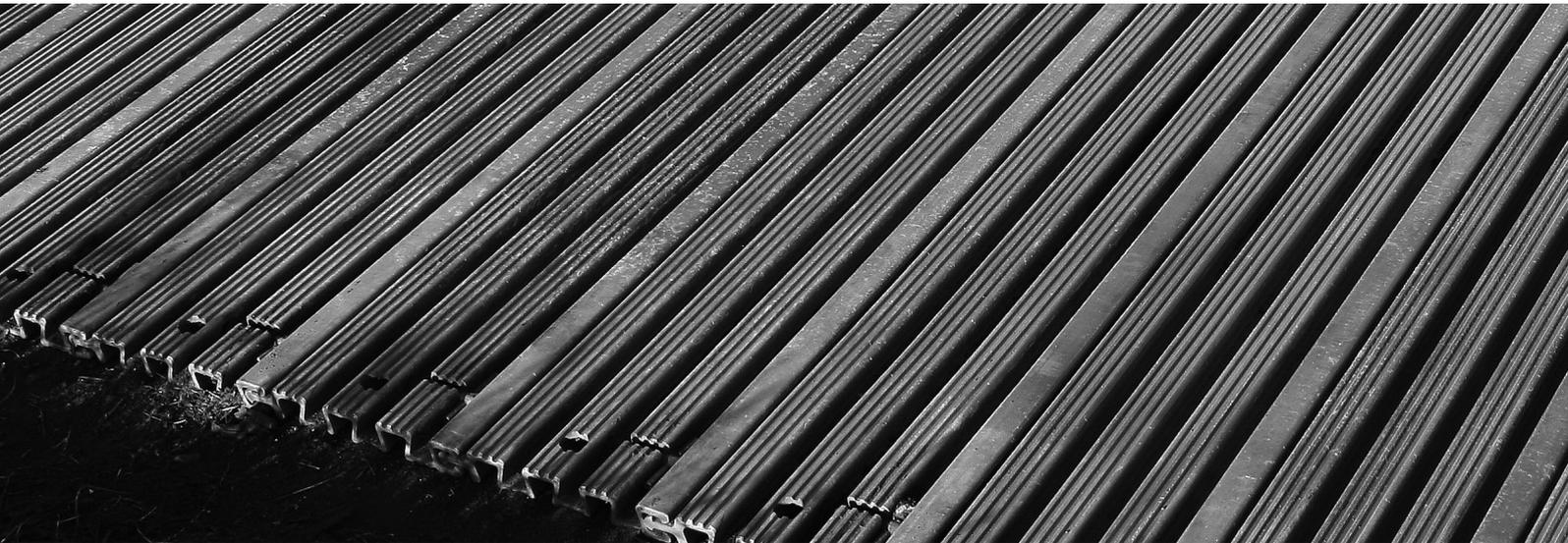


TECHNICAL INFORMATION

RAPID RUNWAY REPAIR (RRR)



RAPID RUNWAY REPAIR (RRR)

RAPID RUNWAY REPAIR (RRR) is an integral part of the Airfield Damage Repair (ADR) process, that is a further part of the strategic principle of 'Survive to Operate', developed by the UK Armed Forces and understood to be one of the most professional in NATO. Following an enemy attack, it is essential that flying operations can be resumed quickly.

RAPID RUNWAY REPAIR (RRR) enables the engineer division to reconstruct essential areas of the airfield quickly to enable immediate use. Bomb Damage Repair Mats (BDRM) are a key component of the RAPID RUNWAY REPAIR (RRR) system.

With indefinite storage time and low maintenance, BDRM can be re-purposed when not required for helicopter landing pads, aircraft hard standing, temporary taxiways and recovery areas when aircraft have overshot a runway.

CAPABILITIES

- BDRM cover up refilled craters to enable runways to be used efficiently after an enemy attack;
- BDRM technology is clearer for aircraft categorised as;
 - Load Classification Number (LCN) 45
 - Load Classification Group (LCG) IV
- BDRM can also be used as a Helicopter Landing Mat.

FEATURES

- BDRM have a choice of end fairing panel designs;
- BDRM modular system allows for parts to be easily replaced if necessary;
- BDRM technology is reusable for multiple operations and can be used in any environment;
- Can withstand temperatures ranging from +40°C to - 60°C;
- Can be mounted on a trailer for rapid deployment by hand;
- The BDRM system can easily be split to form two Bomb Damage Repair Patches (BDRP) for use on similar craters;
- BDRM is 95% recyclable.

RAPID RUNWAY REPAIR KITS COMPRISE OF FIVE ELEMENTS:

- BOMB DAMAGE REPAIR MATS (BDRM) - M150 Trackway® interlocked to create an area measuring 16m x 22m.
- BOMB DAMAGE REPAIR MAT TRAILER - a specialist trailer designed to transport and position the BDRM.
- INSTALLATION KITS - tensioning kits, bolt down kits, side fairing panel kits, end fairing panel kits to enable the BRDM to be correctly installed.
- DYNAMIC COMPACTOR - compacts the aggregate used to refill the craters, to ensure a solid foundation for the BDRM.
- SCREED BEAM - levels the aggregate used to refill the craters, provided with a custom trailer for transportation.

TRACKWAY® OPTIONS M150

- Width: 4572mm
- Effective Length: 212mm standard
- Overall Length: 228mm
- Height: 31mm
- Weight: 33.11kg
- Effective Area: 0.96m²
- Area Weight: 34.1kg/m²



Panel Size:

Full Panel = (W) 4572 mm x (H) 32mm x (L)228 mm
Half Panel = (W) 2286 mm x (H) 32mm x (L) 228 mm

Panel Weight:

Full Panel = 33.11kg
Half Panel = 16.6 kg

No. of Panels:

Full Panel = 312
Half Panel = 104

Aluminium with male and female t-slot forming an articulated joint. Powder coated finish or anodised to a grey finish with increased corrosion resistance. M150 Panels are anodised for durability, protection from corrosion and glare reduction.

8 STAGE PROCESS

1. Clean Away Debris



2. Fill Crater



3. Filling in Crater



4. Dynamic Compaction



5. Screed Beam



6. BDRM Unroll Mat



7. Tension Mat



8. Drill and Bolt



BDRM TRAILER

BDRM trailer is a two axle drawbar trailer specifically designed for the carriage, loading and unloading of the BDRM.

- The BDRM trailer smoothly transports BDRM to the identified crater;
- BDRM trailer instantly unloads BDRM which is ready to roll out;
- The BDRM trailer also stores spare BDRM ready for future deployment.

DIMENSIONS

Length:	14.5m	Height :	2.28m	Weight without BDRM:	8,000kg
Width:	2.5m	Height with BDRM:	3.1m	Weight with BDRM:	21,000Kg
NATO Coupling: diameter 76mm					

SCREED BEAM

The beam consists of 1 to 4 sections, which are bolted together end to end. Two skids are then bolted to the ends of the assembled beam. The screed beam is transported by a separate trailer.

DIMENSIONS

Length:	6m	Width:	1.3m	Weight fully assembled:	4,000kg
Combined max length:	24m	Height:	0.77m		

RRR OTHER EQUIPMENT

Additional equipment can be supplied with the RRR;

- Trailer mounted generators
- Dynamic compactors
- Pavement sweepers
- Mobile lighting towers
- Dewatering pumps
- Heavy wheeled tractors
- Screed beam & trailers
- Demolition buckets
- Self propelled vibrating rollers



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INVESTORS
IN PEOPLE

