

Heavy Vehicle Loading Ramp & Restraint Kit

CAPABILITY SHEET · ADJUSTABLE RAMPS · BEARING PLATES · OWN RESTRAINT · ENGINEERED TO ORDER

THE ONE IDEA

PRINCIPLE	The transporter is hired. The kit has to bring its own strength, and must not depend on the trailer's deck, its lashing points or the ground under the ramp.
WHY IT MATTERS	A loading kit is used on a trailer it did not choose and on ground nobody has checked, and the loading minute is the most dangerous minute of the journey.

THE KIT

RAMPS	Adjustable loading ramps with an anti-skid running surface and guide edges, stiff enough to carry the whole weight of the vehicle, and long enough that a low vehicle does not ground at the crest.
GROUND	Bearing plates spread each ramp foot's load into soft or sandy ground, with levelling packs for uneven ground.
RESTRAINT	Stoppers, chocks, lashing chains and binders sized by a load restraint calculation, fixed through the kit's own anchor fittings rather than the hired trailer's lashing points of unknown strength.
HANDLING	Every part portable by a small crew, pinned rather than welded on site, with a protective finish for hot, dry and dusty conditions, load charts and a written loading and securing procedure.

CONFIGURATIONS

RAMP SET	Adjustable ramps with their deck fittings and stoppers, for users who already hold suitable restraint equipment.
LOADING & RESTRAINT KIT	The ramp set with chocks, lashing chains, binders and the kit's own anchor fittings.
COMPLETE FIELD KIT	The loading and restraint kit with bearing plates, levelling packs, protective pads and carry cases.

STANDARDS & SCOPE

STANDARDS	EN 12195-1 for the calculation of lashing forces, EN 12195-3 for lashing chains and EN 12640 for lashing points on commercial vehicles are the public references this class is designed against.
SCOPE BOUNDARY	This is the field kit used with hired trailers. It is not a trailer or a transporter, not a crane or a hoist, and not a machine that loads stores over a tailboard.
STATUS	Neometrix engineers heavy vehicle loading ramp and restraint kits to order, and no delivered heavy vehicle loading kit is claimed.

DEFENCE PROGRAMMES DESK

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Descriptions define the equipment class Neometrix engineers to order and are not a quotation. Vehicles, trailers, ground conditions and loading method are established against the customer's own loading procedure at design review. ISO 9001 / ISO 14001. © Neometrix Defence Limited.