

Platform Truck & Platform Trolley

CAPABILITY SHEET · THE REAL LOAD · WHEEL LOADS ONE BY ONE · TESTED WITH THE LOAD ON · ENGINEER

THE ONE IDEA

PRINCIPLE	Capacity assumes the load is spread.
WHY IT MATTERS	A rated capacity belongs to a load that sits evenly on the deck, so the truck is designed from the real load and the wheel loads are worked out one wheel at a time.

THE TRUCK

CHASSIS & CRADLE	A welded box-section chassis and flat deck, with a cradle or load supports laid out for the real support points of the load.
WHEELS	Wheels and castors chosen from the worst wheel load, with brakes on the castors for a trolley that stands loaded.
POWER & BRAKE	For the powered truck, a motor, a battery and charger sized for the duty, and a brake that applies by itself when the handle is released.
LIFT	For the scissor trolley, a hydraulic cylinder, a pump and a lowering valve that lets the platform down at a controlled rate.

THE METHOD

ORDER	Specify, support, size, build, test and prove. Working out the wheel loads, and testing with the load on board, are what a quick order skips.
LIMITS	Loads, speeds and gradients come from the standard the customer names and from the load, and are not printed here.

CONFIGURATIONS

BATTERY OPERATED PLATFORM TRUCK	A truck with a flat deck on drive wheels and castors, with a tiller handle, a battery and a brake.
SCISSOR LIFT PLATFORM TROLLEY	A platform raised by a hydraulic cylinder on scissor arms, on castors, to bring a load to the height of the work.
PLATFORM TROLLEY WITH A CRADLE	A low chassis with shaped load supports, large wheels and a steering drawbar, for a load no catalogue truck can carry.

STANDARDS & SCOPE

STANDARDS	Public reference: IS 10311 for powered platform trucks and their acceptance criteria.
SCOPE BOUNDARY	It is the platform truck and platform trolley: not an aerial work platform, not a jacking system, not an automated stores system, and not a forklift or a crane.
STATUS	Neometrix has quoted against successive platform truck and platform trolley requirements, and no delivered platform truck is claimed.

DEFENCE PROGRAMMES DESK

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