Hydraulic Drum Lifter

CAPABILITY SHEET · HOLD THE CHIME, NOT THE WALL. · A FRAME, A CHIME CLAMP, A RAM AND A LOCK · EN

THE ONE IDEA

PRINCIPLE	Hold the chime, not the wall.
WHY IT MATTERS	A steel drum has a thin wall and a rolled rim, the chime, which is made to be held. A friction grip needs a squeeze that grows as the friction falls, so a greasy wall slips or dents; the clamp engages the chime by its shape and the wall carries nothing.

THE LIFTER

FRAME	A welded frame on castors and fixed wheels with brakes, with a wheelbase set from the reach and the rating posted on it.
CHIME CLAMP	Jaws that hook under the rolled rim of the drum, closed by a lever.
RAM AND LOCK	A hand-pumped hydraulic ram with lift stops, and a pawl on a notched bar that carries the load once it is raised.
TILT	A tilt on the chime with stops and a slow, controlled lowering, rated at the tilted position.

THE METHOD

ORDER	Duty, frame and reach, chime clamp, ram and lock, wheels and tilt, build and prove. The rating at the reach and the lock test are the two that a quick job skips.
LIMITS	Weights, sizes, forces and times come from the customer's drums and floors, and are not printed here.

CONFIGURATIONS

CHIME-HOOK	A chime-hook lifter: a clamp on a frame that lifts the drum and holds it for moving.
TROLLEY	A hydraulic drum lifter trolley: a wheeled frame that lifts, carries and sets the drum down.
TILTER	A drum tilter: a lifter with a tilt that pours the drum on its chime.

SCOPE

SCOPE BOUNDARY	It is the hydraulic drum lifter: not a pallet truck, not a platform truck and not a refilling trolley.
STATUS	Neometrix engineers hydraulic drum lifters to order, and no delivered hydraulic drum lifter is claimed.

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