LIFT WITH EASE

Efficient and ergonomic material handling

LIFTS ALL

Item No.: 89-12248

Drum gripper 89-12248

Type of lifting object	Barrel
Weight (kg)	31
Maximum capacity (kg)	250
Serial number	A6966
Gripping technique	Mechanical
Optional control	PSH
Noise Level (dB)	60

Our heavy-duty drum gripper is the perfect solution when handling drums. This versatile drum gripper makes drum handling safer and more efficient. It ensures drums are gripped tightly and secure during transport.

Superior Construction for Maximum Safety. Our professional drum gripper offers unparalleled safety when handling plastic drums as well as steel drums in your warehouse operations. With its innovative mechanical design, this drum gripper makes handling 55 gallon steel drums safer through several key features. Unlike standard drum grippers, our model uses a robust clamping mechanism that securely grips the edges of drums when vacuum systems aren't viable.

The welded steel construction incorporates a powerful pneumatic cylinder that maintains consistent grip pressure on drums without operator strain. This advanced knuckle gripping system ensures drums are gripped tightly throughout transport, preventing dangerous slips even when forks are raised to maximum height.

A significant safety advantage of our drum gripper is how it can transform heavy 55 gallon steel containers into virtually weightless loads. Operators can easily position drums weighing up to 250 kilos (551 lbs) without the physical strain that typically leads to workplace injuries. The extended handle design allows you to maneuver drums without bending or stretching, keeping your body in ergonomically correct positions even when loading drums onto high shelves.

The hinged folding design accommodates drums of various heights and diameters, ensuring proper grip regardless of whether you're handling plastic drums or standard 55 gallon steel drums. This versatility means one operator can safely manage what previously required two people, reducing accident risks during drum transport.

Technical Specifications

Our Keg gripper model 89-12248) features the following characteristics for safe and efficient keg handling:

- **Capacity:** 250 kg for 55-gallon steel and plastic drums (approximately 208 liters)
- **Weight:** 31 kg
- **Control:** Smooth Proportional Speed Control (PSH)
- **Compressed air requirement:** Standard 6-7 bar
- **Mechanism:** Mechanical clamping function with a pneumatic cylinder
- **Design:** Extended handle for an ergonomic working position
- **Versatility:** Adjustable for barrels of various heights and diameters

About our Keg gripper

Our customers select this drum gripper for its combination of safety and efficiency in handling both plastic drums and steel drums. Operators appreciate how this drum gripper makes heavy 250 kilos (551 lbs) drums feel virtually weightless, allowing single-person handling of loads that typically require multiple workers. The ergonomic extended handle design prevents back strain by eliminating the need to bend when lifting drums to higher positions.

Vacuum Drum Grippers vs. Mechanical Drum Grippers

Vacuum drum lifters and mechanical drum lifters are both used for lifting and moving drums, but they differ in their operation and suitability for certain tasks. Vacuum lifters use suction to grip the drum, while mechanical handlers use clamps or other gripping mechanisms. Vacuum lifters excel at handling drums with smooth, flat surfaces in tight spaces. Mechanical lifters can handle porous drums.

Vacuum Drum Grippers:

Function:

Uses a vacuum pump to create suction and grips the barrel with a suction pad.

Advantages:

- Effectively handles barrels with smooth, flat surfaces.
- Suitable for use in cleanroom environments.
- More tolerant of unstable drums.
- Allows for easier gripping in a confined space.

Disadvantages:

- Requires a smooth, non-porous surface on the drum for effective suction.
- May not be suitable for drums with significant surface irregularities or damage.

Mechanical Drum Grippers:

Function:

Uses mechanical gripper, clamps, or other mechanisms to grasp the drum.

Advantages:

- Handles barrels with porous surfaces.

Disadvantages:

- Mechanical lifters have more components and crevices that need to be cleaned, which makes vacuum lifters the preferred choice in cleanroom environments.
- May have difficulty grasping items that are close together.

Choosing the Right Equipment

Mechanical Drum Lifters:

- **Drum type:** Vacuum lifters are best suited for smooth, flat drums, while mechanical lifters are best suited for porous drums.
- **Surface condition:** Vacuum lifters require a good vacuum seal, while mechanical lifters are less sensitive to surface irregularities.
- **Handling requirements:** Both types perform precision positioning and can be equipped with tilt, rotation, or other specialized features.
- **Safety and ergonomics:** Both types improve safety and reduce physical strain compared to manual lifting.
- **Cost and maintenance:** Consider the maintenance requirements and lifespan of each type of equipment. The initial price is the same.

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