

### Built-in Hydraulics Lift Your Drum

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- Ergonomic powered hydraulics lift your drum into position for rolling
- Save time, labor and money mixing inside a closed drum
- Remix settled ingredients, and integrate new components
- Eliminate transfer and clean-up
  - Use a separate drum for each batch
  - No container to purge between batches
  - Nothing to insert into the drum
- Drums make economical mixing vessels

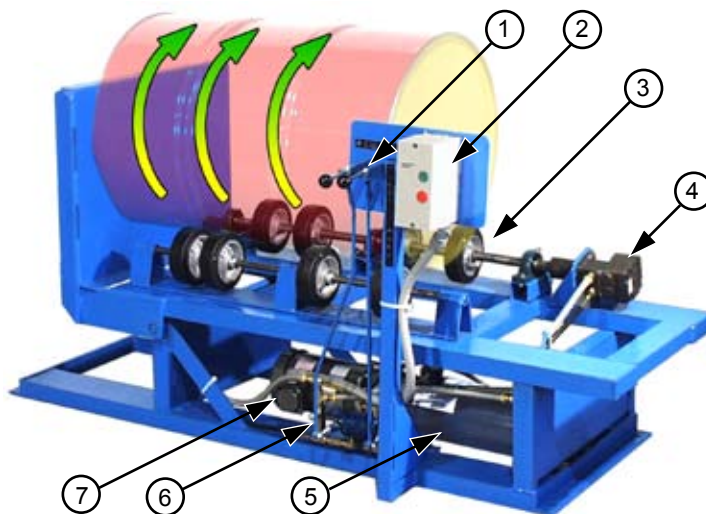
### Mixing In Closed Drum Means Less Hazards

Using a Morse HYdra-Lift Drum Roller eliminates spillage, splashing of dangerous contents on workers, and risk of contamination. Now you can get the benefits of mixing inside closed shipping drums and have the machine do the work of loading and unloading itself! Load your upright drum into the Hydra-Lift Drum Roller. You control the hydraulic tilting action that places the drum down on the rotator wheels. Then use a second valve to start and stop the hydraulic motor that drives rotation.

Minimize time, labor and extra equipment of getting drum into mixing position.

Roll your drum at speeds from 5 to 20 RPM.

- Capacity: 1,000 Lb. (454 kg) liquid load, 400 Lb. (182 kg) dry load \*
- Roll a Drum: 6" to 26" (15.25 to 66 cm) in diameter, and with 40" (102 cm) maximum length
- Ship Dimensions: L73" W38" H41" (185 x 97 x 104 cm)



1. Valve handles for control of rolling and load/unload
2. Start/Stop control for system motor
3. Eight 6" (15.2 cm) neoprene wheels
4. Hydraulic motor driven by pump (rotates your drum)
5. Hydraulic pump to operate roll and tilt (driven by system motor)
6. Variable speed control knob
7. System motor, 1 HP

### Easy to load and unload your drum with hand truck or hoist



Model 160-WP 4-wheel drum truck with pneumatic wheels provides a simple means to load and remove drums.



Hoist equipped with Morse Below-the-Hook Drum Lifters makes loading and unloading easy. Model 90 is shown.

### Power drum tilt



The built-in hydraulic system takes the upright drum to the horizontal position for rolling.

### Roll your drum from 5 to 20 RPM



Roll your 55-gallon (208 liter) drum from 5 to 20 RPM with the variable speed hydraulic drive.

\* Dry Load Capacity: A shifting dry load exerts greater stress on the drum rotator than the fluid motion of a liquid load.

### Options and Accessories

#### Enclosures with Safety Interlock

Install all Morse Rotators in accordance with OSHA requirements for enclosure and safety interlock, etc. so the rotator automatically turns off when enclosure door is opened. One way to accomplish this is with a Morse enclosure with safety interlock.

For OSHA compliance, see OSHA subpart O. 1910.212(a)(4)

"Barrels, containers, and drums. Revolving drums, barrels, and containers shall be guarded by an enclosure which is interlocked with the drive mechanism, so that the barrel, drum, or container cannot revolve unless the guard enclosure is in place."

Power connections and motor controls must comply with applicable codes.

Exterior dimensions of enclosures for Hydra-Lift Drum Rollers are L88" W40" H74" (224 x 102 x 188 cm).



Guard Enclosure with safety interlock (Drum Rotator sold separately).



#### Option to Roll a Plastic Drum

Allows you to roll a plastic or steel drum on the same Hydra-Lift Drum Rotator. A soft-sided plastic drum requires more support and is prone to traveling lengthways while being rolled because it lacks the ribs and rims that are standard on a steel drum. This option adds extra wheels to support the flexible sidewall, and end stop to prevent the drum from traveling.

Order option POLY-456 factory installed on new unit.

Order Kit # POLY-456FI for field installation on existing unit.

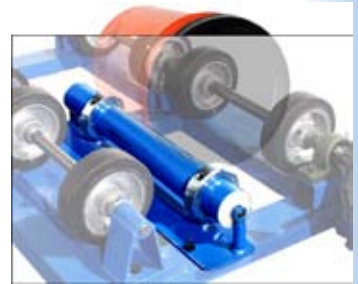


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#### Idler Attachment to Roll a 1 to 5 Gallon Pail

Idler Attachment to roll 1 to 5 gallon cylindrical can on a Hydra-Lift Drum Roller.

Extends the usefulness of your drum rotator to roll 1 to 5 gallon cylindrical cans. Comes complete with adjustable spacers and mounts.



### Custom Hydra-Lift Drum Rollers



Custom Hydra-Lift Drum Roller made of type 304 stainless steel.



Custom Hydra-Lift Drum Roller with controls on opposite side

Model #	Motor Style	Phase	Volts	Hz	Amp Draw	Drum RPM **	Domestic Ship Weight	Domestic Ship Dimensions
456-1-115	TEFC	1	115	60	12.8	5 to 20	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-1-230	TEFC	1	230	60	6.4	5 to 20	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-1-220-50	TEFC	1	220	50	6.2	4 to 16	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-3-230	TEFC	3	230	60	3.4	5 to 20	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-3-460	TEFC	3	460	60	1.7	5 to 20	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-3-575	TEFC	3	575	60	1.4	5 to 20	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-3-220-50	TEFC	3	220	50	3.5	4 to 16	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-3-380-50	TEFC	3	380	50	2.1	4 to 16	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-3-440-50	TEFC	3	440	50	1.75	4 to 16	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-A	Air Motor	-	-	-	-	5 to 20	599 Lb. (272 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-E1-115	Explosion Proof *	1	115	60	13	5 to 20	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-E1-230	Explosion Proof *	1	230	60	6.5	5 to 20	635 Lb. (289 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-E1-220-50	Explosion Proof *	1	220	50	6.2	4 to 16	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-E3-230	Explosion Proof *	3	230	60	3.6	5 to 20	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-E3-460	Explosion Proof *	3	460	60	1.8	5 to 20	626 Lb. (285 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-E3-575	Explosion Proof *	3	575	60	1.4	5 to 20	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-E3-220-50	Explosion Proof *	3	220	50	3.6	4 to 16	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-E3-380-50	Explosion Proof *	3	380	50	2.1	4 to 16	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)
456-E3-440-50	Explosion Proof *	3	440	50	1.8	4 to 16	616 Lb. (280 kg)	L73" W38" H41" (185 x 97 x 104 cm)

Model #	Description	Ship Weight Adder	Ship Dimensions
2848X-P	Fully enclosed crate for export of Hydra-Lift Drum Roller	210 Lb. (95 kg)	L78" W39" H45" (198 x 99 x 114 cm)

Guard Enclosure Kit # for Field Installation (Drum Roller Sold Separately)	Fits Drum Roller Model # (Sold Separately)	Gate Switch	Domestic Ship Weight	Domestic Ship Dimensions
GEK-456-1-115	456-1-115	AC	375 Lb. (170 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-1-230	456-1-230	AC	375 Lb. (170 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-1-220-50	456-1-220-50	AC	375 Lb. (170 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-3-230	456-3-230	AC	375 Lb. (170 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-3-460	456-3-460	AC	375 Lb. (170 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-3-575	456-3-575	AC	375 Lb. (170 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-3-220-50	456-3-220-50	AC	375 Lb. (170 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-3-380-50	456-3-380-50	AC	375 Lb. (170 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-A	456-A	Air Switch	375 Lb. (170 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-E1-115	456-E1-115	AC Explosion proof	425 Lb. (193 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-E1-230	456-E1-230	AC Explosion proof	425 Lb. (193 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-E1-220-50	456-E1-220-50	AC Explosion proof	425 Lb. (193 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-E3-230	456-E3-230	AC Explosion proof	425 Lb. (193 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-E3-460	456-E3-460	AC Explosion proof	425 Lb. (193 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-E3-575	456-E3-575	AC Explosion proof	425 Lb. (193 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-E3-220-50	456-E3-220-50	AC Explosion proof	425 Lb. (193 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-E3-380-50	456-E3-380-50	AC Explosion proof	425 Lb. (193 kg)	L101" W31" H66" (257 x 79 x 168 cm)
GEK-456-E3-440-50	456-E3-440-50	AC Explosion proof	425 Lb. (193 kg)	L101" W31" H66" (257 x 79 x 168 cm)

Please contact your Morse dealer

\* Explosion Proof motors are rated for Class 1 Group D, and for Class 2 Groups F and G.

\*\* Based on a standard 22.5" (57 cm) diameter 55-gallon (208 liter) drum.