

The Specialist In Drum Handling Equipment



GRIP:GO™



A blue mechanical device mounted on a black frame, used for lifting and moving drums. A black drum is shown being lifted by the device.

**POWDER
MORStrong
COAT**

**DRUM
TUMBLER™**



A blue mechanical device used for tumbling drums. A black drum is shown being rotated by the device.

Industrial Ergonomics®

612-532-6774

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You get MORE with MORSE



Since 1923 Morse Manufacturing has been dedicated to giving you more - and in today's world of increased domestic and international competition you should expect more.

What can you expect from Morse Manufacturing?

- **Customer Service:** Expect personal attention from one of our customer service representatives. Visit the Company Directory on our web site, give us a call and let us get to know you personally.
- **Dealer Support:** We value your time and your knowledge! You can expect assistance with any drum-handling question when you contact us.
- **Product Support:** If you have a technical question, expect to speak with one of the design engineers themselves. We strive to make sure you get the product that meets your needs.
- **Product Selection:** Morse offers the most extensive line of drum-handling equipment. If you don't see what you need in our standard offering, our custom capabilities will help to meet your needs.
- **Product Quality:** Every Morse Product design was professionally engineered in-house to exceed industry standards. You see foreign products that look like a Morse? Know with confidence who designed the original! We are so confident in our products, our skilled employees, our certified welders, and our production process that we offer a 2-year warranty against defects.
- **Product Information:** Current and informative product literature and parts diagrams. Visit the literature pages on our web site. We labor tirelessly to keep our literature up to date and you informed of any product introductions or changes.
- **History:** With a history of 97 years, you can expect us to provide you with replacement parts or product upgrades when you need them in the future - 5, 10, or 20 years from now. Morse is committed to manufacturing our products in the USA.

Thanks for considering Morse for your drum handling needs. Please feel free to contact us.

Nathan Andrews
President



On the Cover

Improved Quality - Morse products have a durable powder coat finish. Many models are also available in type 304 stainless steel for use in food, pharmaceutical, marine and chemical applications.

Increased Capacity - The move of the entire Morse factory tripled our production space and modernized equipment.



GRIPGO™

Power-Grip Fork Mount Drum Handler

See page 6



- Thorough “corner-over-corner” mixing right inside a drum
- Tumble a steel, plastic or fiber drum
- Load drum with your crane or hoist

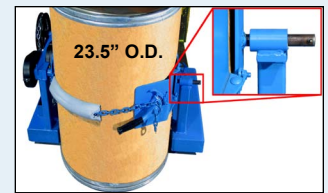
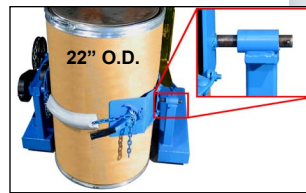


See page 10

MORCINCH™

Drum Handling System

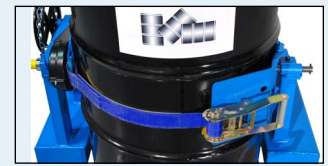
To Handle Many Different Drums



MORCINCH™ Drum Holder automatically adjusts for 22" to 23.5" (56 to 59.7 cm) diameter drum



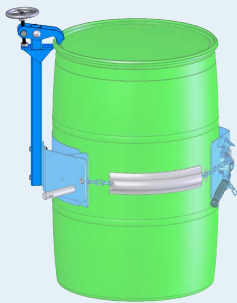
Includes cinch chain with flexible cover to enhance grip and help protect drum sidewall...



or choose Web Strap and Ratchet option

MORCINCH™ Kits

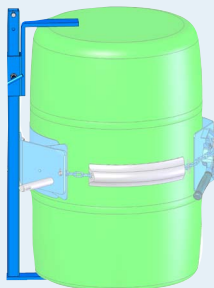
Top Rim Clamp for Rimmed Drum



Install the **Top Rim Clamp** to prevent a RIMMED 55-gallon (210 liter) plastic or fiber drum from slipping. Install on MORCINCH™ drum holder.

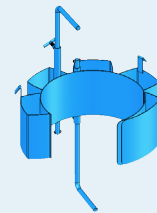
To safely handle a plastic 55-gallon drum, you **MUST** install either the Bracket Assembly or Top Rim Clamp

Bracket Assembly for Rimless Drum

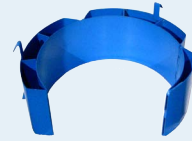


The **Bracket Assembly** is **REQUIRED** to prevent a RIMLESS plastic drum from slipping, and recommended to more securely hold a fiber drum. Bolt onto MORCINCH™ drum holder as a brace at top and bottom of drum. Adjusts for 31" to 39" (79 to 99 cm) tall drum.

Diameter Adapters for Smaller Drums



Diameter Adapter with hold-down brackets



Diameter Adapter for 30-gallon (114 liter) drum

Handle multiple drum sizes with the same drum handler. Add the correct Diameter Adapter for each size smaller drum.

Adapters simply place into and remove from the MORCINCH™ drum holder.



Top Rim Clamp used with Forklift-Karrier



Bracket used with Kontrol-Karrier



MORStop Tilt-Brake™ automatically holds the drum tilt angle and prevents uncontrolled drum turning, even when contents shift.

Option 3900i-P MORStop Tilt-Brake™ factory installed on manual tilt drum handler

Drum Cones

Control pour of dry materials and reduce dust

Choose the correct cone size for each drum size from 15.5" up to 23.5" (39.4 to 59.7 cm) diameter. Centered cones with 45° angle, or longer cones with 60° angle. Asymmetric cone (shown right) is offset. Select mild steel or type 304 stainless steel



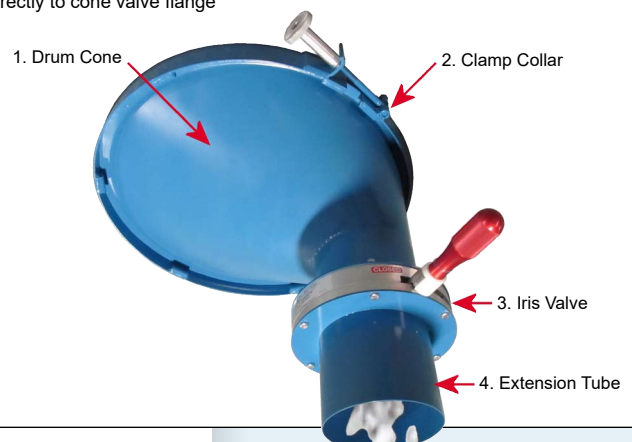
1. Centered 45° Drum Cone
2. Clamp Collar
3. Iris Valve



1. Stainless Steel 45° Drum Cone
2. Stainless Steel Clamp Collar
3. Stainless Steel Slide Gate

Order as Four Separate Models:

1. Drum Cone: Choose 45° or 60° centered cone, or asymmetric cone (shown)
2. Clamp Collar to secure cone to drum
3. Valve: Choose Iris Valve or Slide Gate
4. 5" (12.7 cm) Long Extension Tube mounts to Iris Valve, as shown, or directly to cone valve flange





Model 400A-96-110

- 96" (244 cm) maximum pour height
- Electric power drum lift and tilt

Stainless Steel Hydra-Lift Karriers



Model 400A-96SS-125

- Stainless Steel frame
- 96" (244 cm) maximum pour height
- Battery power drum lift
- Pull chain drum tilt

400 Series
Hydra-Lift Karriers

- Lift an 800 Lb. (363 kg) drum
- Select best lift height for your application
 1. Model to pour up to 96" (244 cm) high
 2. Model to pour up to 72" (183 cm) high
- Lift, move and pour a drum up to 8' high
- Models with power lift and tilt
- Rotate drum 360° in either direction
- AC, DC or Air power lift and tilt
- The **MORCINCH™** Drum Handling System (page 3) handles various sizes of plastic, steel or fiber drum
- Models available in type 304 Stainless Steel
- Models with spark resistant parts

Safety conscious way for one person to easily handle a heavy drum. You control the drum tilt angle to dispense contents. Attach a faucet or drum cone to control pouring.

The **MORCINCH™** Drum Holder automatically adjusts for 22" to 23.5" (56 to 59.7 cm) diameter drum. Select **MORCINCH™** Kits (page 3) for plastic drum, fiber drum or smaller drums.

410 Series
Heavy-Duty Hydra-Lift Karriers

Lift a 1200 Lb. (544 kg) drum
Pour up to 72" (183 cm) high

Heavy-Duty Hydra-Lift Karriers feature a twin boom overhead assembly with two lift cylinders, parallel legs and nylon wheels.

Utilizes the **MORCINCH™** Drum Handling System (page 3).



Model 410-110

- 72" (183 cm) maximum pour height
- Electric power (AC 1-phase 115V) drum lift and tilt

Vertical-Lift Drum Pourers

- Lift and pour drum up to 106" (269 cm) high
- Easy to maneuver with tight turning radius
- Compact base provides small foot print
- Lifts drum straight up
- Rotate drum 360° in either direction
- Ergonomic DC battery, AC electric or Air power lift & tilt
- Capacity: 800 Lb. (363 kg)
- Install **MORCINCH™** Kits (page 3) to handle plastic, fiber or smaller drum
- Stainless steel & spark resistant models available

Scale-Equipped Drum Pourers

Add the ability to weigh as you pour!

Dispense exactly how much you need as you view drum weight on built-in scale indicator. Eliminate the need to move a drum to a separate scale.

Two Scale Types Available



Intrinsically safe for hazardous areas



Scale NOT for hazardous environments

- **510 Series** - Pour up to 60" (152 cm) high
- **520 Series** - Pour up to 106" (269 cm) high

Scale-Equipped Drum Pourers

- **515 Series** - Pour up to 60" (152 cm) high
- **525 Series** - Pour up to 106" (269 cm) high



Power-Propelled Drum Handlers

- Pour up to 10.5 feet (3.2 m) high!
- Fully invert drum in just 8 seconds
- Familiar propulsion and steering controls
- Install **MORCINCH™** Kits (page 3) to handle plastic, fiber or smaller drum
- Straddle Pallet

Model # 900

- Capacity: 1500 Lb. (680 kg)

Scale-Equipped Model # 905

- Weigh drum while pouring
- Dispense exact amount needed
- Capacity: 800 Lb. (363 kg)



Type 304 stainless steel models for food and pharmaceutical applications



Scale-equipped to dispense measured amount from a drum



Model # 915

< PILOT > MORCINCH™ Drum Mover / Stacker

Lift an upright drum up to 9.5 feet (2.9 m) high!
Proven **MORCINCH™** safety conscious drum grabber handles almost any rimmed drum. Mechanism automatically releases drum when you set it down.
Capacity: 1500 Lb. (680 kg)



VIDEOonline

Manual Grip and Tilt Forklift-Karriers

- Lift, move, and pour a drum with your forklift
- Rotate drum 360° in either direction
- Install **MORCINCH™** Kits (page 3) to handle plastic, fiber or smaller drum

Turn your forklift into a safety conscious drum handler. Mounts quickly onto forks without power connections. Control pouring right from forklift.

Recommended **MORStop Tilt-Brake™** Option automatically holds drum tilt angle, even when contents shift. Fits manual tilt 800 Lb. (363 kg) or 1500 Lb. (680 kg) model.



800 Lb. (363 kg) Capacity Forklift-Karriers

Control drum tilt with 30:1 ratio

Model 285A (shown above) made of carbon steel

Model 285AM has spark resistant parts

1500 Lb. (680 kg) Capacity Heavy-Duty Forklift-Karrier

Finer tilt control with 60:1 ratio

Model 285A-HD made of carbon steel

Model 285AM-HD spark resistant parts

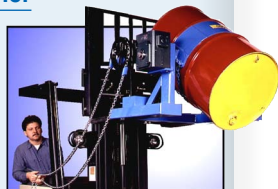
Model 285A-HDSS T304 stainless steel



2000 Lb. (907 kg) Capacity Extra Heavy-Duty Forklift-Karrier

Enclosed worm gear speed reducer for drum tilt control with 150:1 ratio. Secure drum with two web straps.

Model 285A-GR



2500 Lb. (1134 kg) Capacity Super-Duty Forklift-Karriers

Heavily reinforced 3-piece drum holder. Enclosed worm gear speed reducer with 150:1 ratio drum tilt control.

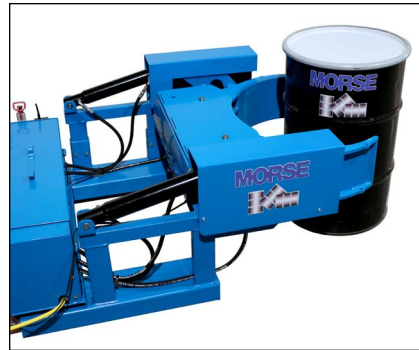
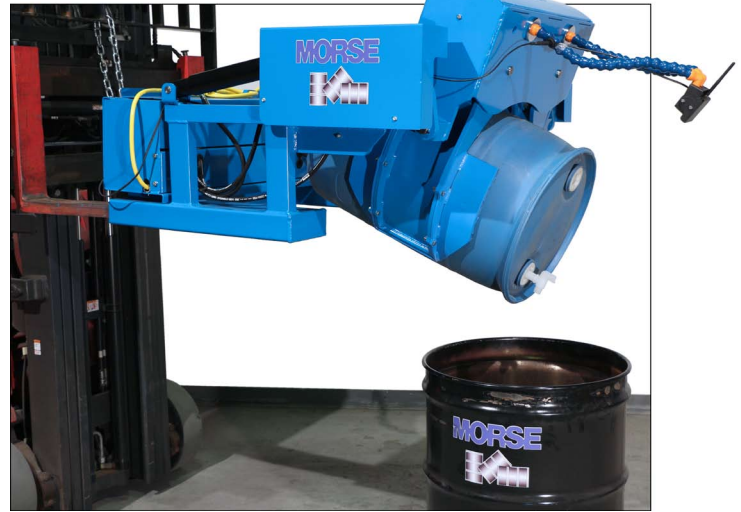
Model 285XGR made of carbon steel

Model 285XMGR has spark resistant parts



Battery Power Grip and Tilt

- Self-Contained Battery Power Grip and Tilt
- Turn drum forward 180° to empty contents
- Handle 14" to 24" (35.6 to 61 cm) diameter drum
- Requires 25" (63.5 cm) between forks
- Capacity: 1500 Lb. (680 kg)



Grab a drum off floor, pallet, rack, truck, etc. Lift, move and pour right from your forklift. Control drum tilt to FULLY invert 180° forward. Self-contained 12V battery powered grip and tilt function. Requires no connection to forklift power or hydraulics.

Rotates drum BETWEEN forks, for tight turning radius. Weighs just 630 Lb. (286 kg) for minimal lost load on equipment.

- **Option 6172-P** Grip Pads for plastic or fiber drum
- **Option # 6149i-P** Wireless Grip and Tilt control
- **Option # 6320i-P** Camera provides operator clear view of pour

Battery Power Tilt (Manual Grip) Forklift-Karriers

Two-button pendant or optional wireless tilt control to pour a drum.

285A-BP fully inverts drum in 15 seconds, 285XBP in 26 seconds.

On board battery requires no power connection or modification of truck.

Model 285A-BP 1500 Lb. (680 kg) capacity. Accepts **MORCINCH™** Kits (page 3) to handle plastic, fiber or smaller drum.

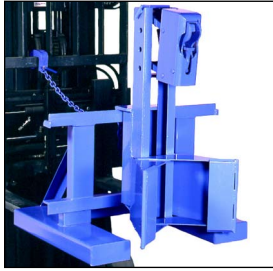
Model 285XBP 2500 Lb. (1134 kg) capacity

Option # 4804i-P Wireless Tilt Control

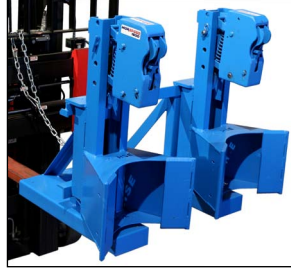


MORSPEED[™] 1500

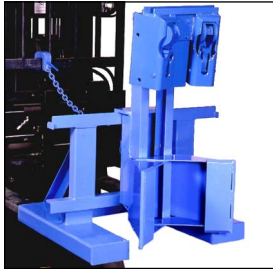
Capacity: 1500 Lb. (680 kg) per drum



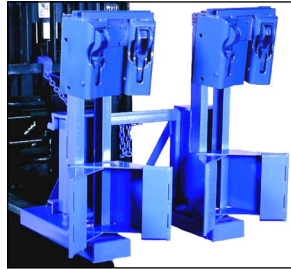
Model 288-1 for 1 drum



Model 288-2 for 1 or 2 drums



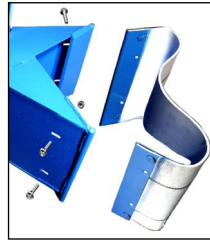
Model 288-1-2H
Two heads for 1 drum



Model 288-2-2H for 1 or 2 drums. Two heads per drum.



Encased mechanism provides reliable, automatic drum gripping. Models with two heads per drum reduce stress on the drum by distributing the weight between two sets of jaws.



Option 2523-P
Belt Kit helps protect drum sidewall

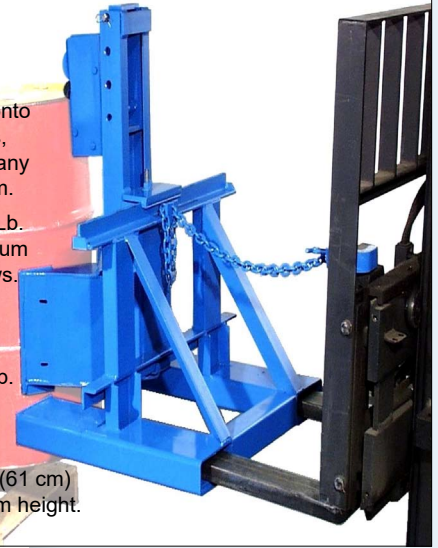
Move More Drums with MORSPEED[™]

- Lift and move drums with your forklift
- Mounts on forks in seconds with no tools
- No power connections
- Raise forks to grip drum
- Grips upper rim of steel, plastic or fiber drum

Load drums onto trucks, pallets, etc. Handles any diameter drum.

Requires 75 Lb. (34 kg) per drum to actuate jaws. Models with two heads per drum require 350 Lb. (159 kg).

Requires 24" (61 cm) minimum drum height.



MORSPEED[™] 1000

Capacity: 1000 Lb. (454 kg)

Model 286-1 single drum handler

Model 286M-1 has spark resistant parts



Handle rimmed plastic, steel or fiber drum



VIDEOonline

Lift and move a 1000 Lb. (454 kg) drum without leaving your fork truck with the MORSPEED 1000[™] forklift attachment.

Raise the forks to grab drum. Lower drum to floor or pallet to release.

Contoured steel jaws securely grasp drum rim. Jaws are mechanical and automatic.

- Requires 50 Lb. (23 kg) drum to actuate jaws
- Requires 15" (38 cm) minimum drum height

ALL MORSPEED[™] Forklift Attachments

- Require 16.5" (41.9 cm) between forks
- Each fork pocket opening is 6.5" wide x 2.5" tall (16.5 x 6.35 cm)

MORStak[™] Forklift Mounted Drum Rackers

Safety conscious drum racking with your forklift. Lift rimmed 55-gallon (210 liter) steel or plastic drum up to 800 Lb. (363 kg). Rack drums side by side. Handle drum with faucet in place to use rack as a dispensing station.

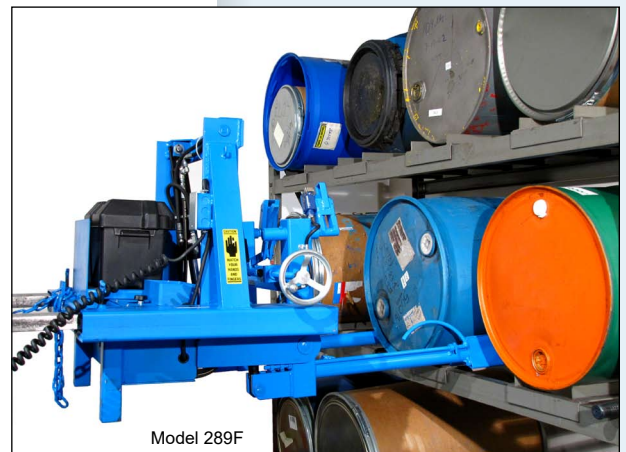
Manually engage positive drum grip. Safety feature prevents drum tilting without grip engaged.

Self-contained battery powered drum tilt with control pendant. Wireless tilt control option.

Model 289F Fork mounted drum racker

Model 289C Carriage mounted drum racker

Option 4804i-P Wireless tilt control factory installed



Model 289F



800 Lb. (363 kg) Capacity
Kontrol-Karriers

Control drum tilt with 30:1 ratio drive.

Model 185A (shown above) made of carbon steel

Model 185AM has spark resistant parts.

1500 Lb. (680 kg) Capacity
Heavy-Duty
Kontrol-Karriers

60:1 ratio geared tilt control.

Model 185A-HD made of carbon steel

Model 185AM-HD has spark resistant parts

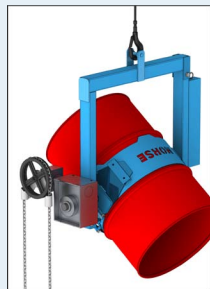
Model 185A-HDSS (shown) is made of type 304 stainless steel



2000 Lb. (907 kg) Capacity
Extra Heavy-Duty
Kontrol-Karrier

Enclosed worm gear speed reducer for drum tilt control with 150:1 ratio. Two web straps to secure the drum in the holder.

Model 185A-GR

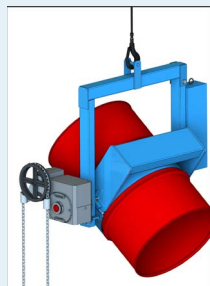


2500 Lb. (1134 kg) Capacity
Super-Duty
Kontrol-Karrier

Designed with heavily reinforced 3-piece drum holder with toggle clamp to secure drum. Enclosed worm gear speed reducer with 150:1 ratio for drum tilt control.

Model 185XGR made of carbon steel

Model 185XMGR has spark resistant parts



- Lift, move, and pour a drum with your hoist or crane
- Rotate drum 360° in either direction
- The **MORCINCH™** Drum Handling System (page 3) handles various sizes of plastic, steel or fiber drum
- Every Morse Below-Hook Drum Handler is load tested at the factory as per American National Standard ASME B30.20 and a load test certificate is shipped enclosed with each unit.

195 Series Power-Tilt Kontrol-Karriers

The ease of powered drum rotation 360° in either direction. Fully invert drum in 15 seconds. AC Electric models have 2-button pendant. Air powered models have hand-held control valve.

Capacity: 1500 Lb. (680 kg)



Custom stainless steel model



Model 195A-1-115

- Install Bracket Assembly to prevent plastic or fiber drum from slipping
- Insert Diameter Adapter for smaller drum
- Add Asymmetric Drum Cone to control dispensing of dry material

85 Series Drum Karriers



Use your hoist to lift, move and pour a drum within reach. Grasp drum by hand and manually control tilt angle. Utilize built-in tilt locks to hold drum horizontal or at 45° to pour, or lock drum upright for transporting.

Capacity: 800 Lb. (363 kg)

Model 85i (shown) for 55-gallon (210 liter) steel drum. Install **MORCINCH™** Kits (page 3) for other drums.

Model 85i-SS Like 85i, but made of type 304 stainless steel. Install **MORCINCH™** Kits (page 3) for other drums.

Model 85A for 55-gallon (210 liter) steel drum only.

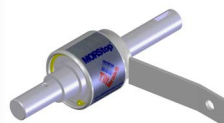
Model 85AM Like 85A, but with spark resistant parts.

Fork Pocket Kits

VIDEOonline

Fork Pocket Kit 6315-P for models with 2" (5.1 cm) wide cross tube: 85A, 85G, 85i, 86, 185A, 185G, 185A-HD or 185G-HD

Fork Pocket Kit 6333-P for models with 3" (7.6 cm) wide cross tube: 185A-GR, 185XGR or 195 Series



We recommend factory installed option 3900i-P **MORStop Tilt-Brake™** to automatically prevent unwanted drum tilting, even when drum contents shift.

Manual Tilt Control Options for 185 Series	
Option #	Description
X02	Hand Crank
X03	Hand Wheel
3900i-P	MORStop Tilt-Brake™ factory installed on new unit
3900-P	MORStop Tilt-Brake™ Kit for customer to install

GR Models hold drum tilt angle, and do not need **MORStop Tilt-Brake™**

Drum Lifter

92 Series Below-Hook Drum Lifters

One Drum Handler to Lift Them All

- Rimmed steel, plastic or fiber drum
- Automatically grips below drum rim

Handle a range of drum sizes
Capacity: 1000 Lb. (454 kg)



Model 92 for rimmed 18" to 26" (46 to 66 cm) diameter drum

Model 92M has spark resistant parts

Model 92-SS made of stainless steel

Model 92-30 for rimmed 15" to 23" (38 to 58 cm) diameter drum

Model 92-5 for rimmed 11" to 15" (28 to 38 cm) diameter pall

Model 91 Lifter for Drum and Overpack

Simple tong design with broad grippers. Narrow profile to lower into an overpack drum.

Handle: 55-gallon (210 liter) steel drum, or 85-gallon (322 liter) steel overpack.
Capacity: 1000 Lb. (454 kg)



Model 42 Heavy-Duty Drum Lifter

Use in in two different modes:

1. Horizontal lift mode
2. Off-vertical mode to upend or down end drum

Handle: 55 or 85-gallon (210 or 322 liter) steel drum

Has alloy chain, links and lifting ring. Forged steel hooks engage drum rims.

Capacity: 2000 Lb. (907 kg)



Fork Mount Hook

Use your forklift like a hoist. Slide onto one fork of your truck and tighten the T-screw to use a below-hook drum lifter.

Capacity: 2000 Lb. (907 kg)

Model 284 has 5.5" x 1.56" (14 x 4 cm) fork openings

Model 284L openings are 8.5" x 3.69" (21.6 x 9.7 cm)



90 Series Verti-Karriers

Lift rimmed 55-gallon (210 liter) steel drum

Automatic alternating grip and release enables remote drum placement and discourages dangerous climbing.

Capacity: 1000 Lb. (454 kg)



Model 90 for 55-gallon (210 liter) steel drum

Model 90M has spark resistant parts

Model 90-SS made of stainless steel

Model 90-30 for 30 gallon (114 liter) steel drum

Model 90-85 for 85-gallon (322 liter) steel salvage drum

86 Series Drum Lifter

Support under drum
Secure around drum

Handle steel, plastic or fiber drum 22" to 23.5" (56 to 59.7 cm) in diameter, and 23" to 38" (58 to 97 cm) high

Capacity: 1000 Lb. (454 kg)

Model 86 is carbon steel

Model 86-SS is stainless steel



Drum Lifting Hook

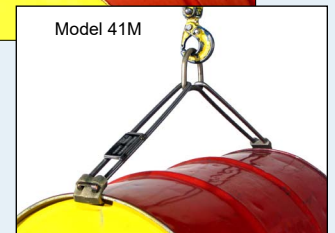
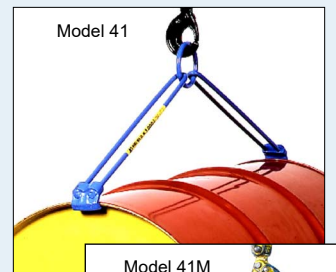
Lift horizontal 55-gallon (210 liter) steel drum

Use with your crane

Lift 55-gallon (210 liter) steel drum 34" to 36" (86 to 91 cm) long.
Capacity: 1000 Lb. (454 kg)

Model 41 has alloy steel lifting ring, steel rods and malleable iron hooks

Model 41M has spark resistant aluminum/bronze alloy lifting ring and hooks, and stainless steel rods



BELOW-HOOK DRUM LIFTERS

> > IMPORTANT < <

Install all Morse Drum Rotators in accordance with OSHA requirements for enclosure and safety interlock, etc.

One way to accomplish this, is with a Morse Guard Enclosure with Safety Interlock to automatically shut off the drum rotator when the gate is opened.

All Morse Drum Rotators mix contents inside a sealed drum

- Remix settled ingredients without inserting anything into drum
- Save the labor of transferring contents and clean-up
- Improve safety: Eliminate spills, contamination, and exposure to contents

Order as 3 Separate Components (sold separately)

1. Drum Rotator + 2. Control Package + 3. Enclosure with Safety Interlock



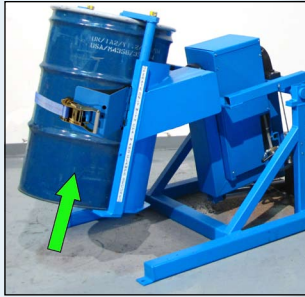
**310 Series
Tilt-To-Load Drum Tumblers**

- Load upright drum at floor level
- Power drum lift to tumbling position
- Vigorous “corner-over-corner” mixing
- Tumble 30 to 55 gallon (114 to 210 liter) steel, plastic or fiber drum at 5 to 20 RPM
- Capacity: 800 Lb. (363 kg) Full Drum, 400 Lb. (181 kg) Half-Full Drum

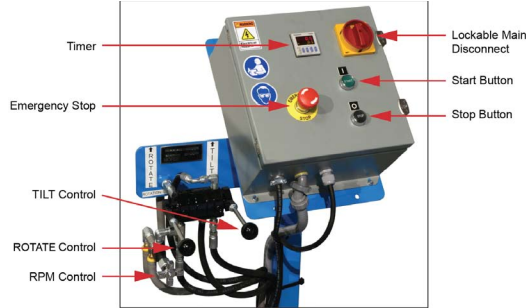
Note: Explosion-proof control boxes only have start and stop buttons



Load upright drum at floor level and secure



1. Hydraulic Power Lift and Rotate



2. Control Package



3. Enclosure with Interlock

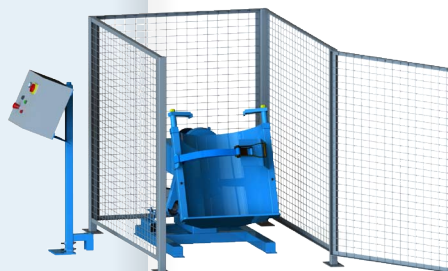


**309 Series
Drum Tumblers™**

- Load drum with crane
- Thorough “corner-over-corner” mixing
- Tumble 30 to 55 gallon (114 to 210 liter) steel, plastic or fiber drum at 14 RPM
- Capacity: 800 Lb. (363 kg) Full Drum, 400 Lb. (181 kg) Half-Full Drum



Load upright drum with crane and secure



2. Control Package

3. Enclosure with Interlock

**311 Series Tilt-To-Load Drum Tumblers
Include Automated Control Package,
and Enclosure with Interlock**



Automated Controls automatically lift drum, rotate it for the time you set, then return it to floor-level for easy handling.

Includes Tilt-To-Load Drum Tumbler, Automated Control Package, and Enclosure with Interlock to meet OSHA requirements.



456 Series Hydra-Lift Drum Rollers

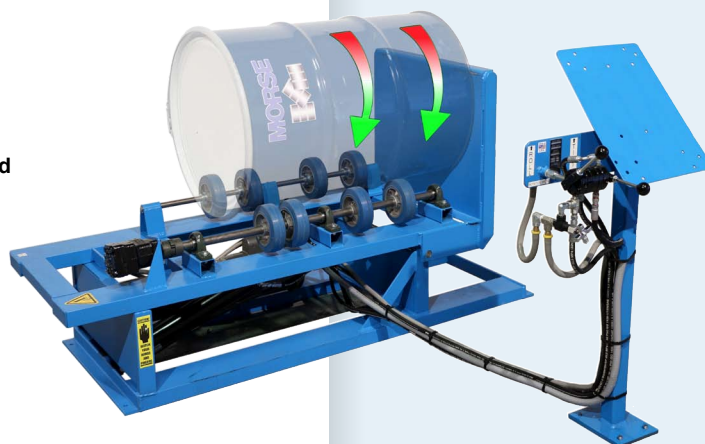
- Load upright drum at floor level
- Power drum tilt to rolling position
- Roll a closed drum on its side to mix the contents
- Capacity: 1000 Lb. (454 kg) liquid load, 400 Lb. (181 kg) dry load

Ergonomic loading and unloading. Hydra-Lift Drum Rollers accept an upright drum at floor level. Then you control the built-in hydraulic system to tilt the drum over for rotation. Start and stop drum rolling with a second hydraulic control.

Roll a 55-gallon (210 liter) drum at 5 to 20 RPM until contents are mixed, then return the drum to vertical to unload

Option # POLY-456 Roll a plastic drum. Extra wheels support flexible sidewall. End stop prevents drum from travelling lengthways.

Option # 1-5-1 Idler Attachment to roll a 1 to 5 gallon (19 liter) pail



Load upright drum at floor level

1. Hydraulic Power Lift and Roll

Note: Explosion-proof control boxes only have start and stop buttons

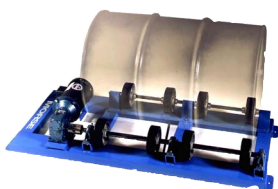


2. Control Package

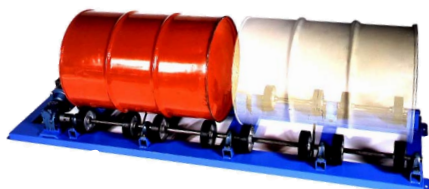


3. Enclosure with Interlock

5154 Series Stationary Drum Rollers



Single Rollers for 1 drum
Model 1-5154-3 shown

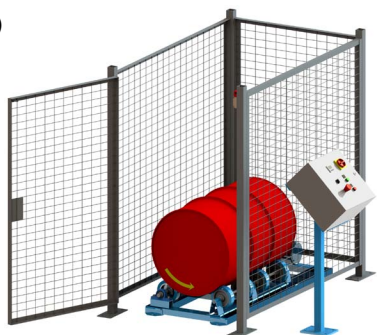


Double Rollers for 1 or 2 drums
Model 2-5154-3 shown

- Roll sealed drum on its side to mix contents
- Place drum onto roller with model 41 or 42 drum lifter (page 9)
- Capacity:
Liquid load: 1000 Lb. (454 kg) per drum
Dry load: 300 Lb. (136 kg) at 20 RPM

Choose model with fixed 20 RPM drum rotation, or variable speed

Guard Enclosure Kit with Safety Interlock to meet OSHA requirements



2. Control Package

3. Enclosure with Interlock

Option # POLY-1-5154
Roll plastic drum on single roller

Option # POLY-2-5154
Roll plastic drums on double roller

Option # 1-5-1
Roll a 1 to 5 gallon (4 to 19 liter) pail

201 Series Portable Drum Rollers

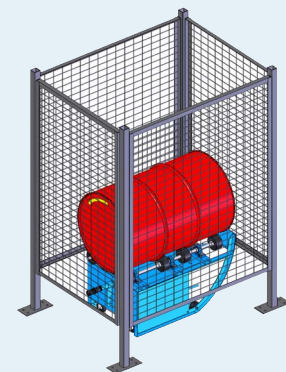
- Roll closed drum on its side
- Agitate contents
- Bring valuable ingredients back into suspension
- Eliminate worker exposure, reduce clean-up
- Dispense directly from drum
- Capacity:
Liquid load: 500 Lb. (227 kg)
Dry load: 300 Lb. (136 kg) at 20 RPM

Choose model with fixed 20 RPM drum rotation, or variable speed

Guard Enclosure Kit with Safety Interlock to meet OSHA requirements

Option # POLY-201
Roll plastic drum

Option # 1-5P
Idler Attachment to roll 1 to 5 gallon (4 to 19 liter) pail



3. Enclosure with Interlock

MORStak™ Drum Rackers

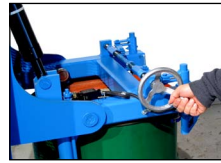
- Quickly lift, move and rack a heavy drum
- 620 Series rack a drum up to 102" (259 cm) high
- 611 Series rack up to 56" (142 cm) high
- Rack drums with virtually no space between them
- Models with DC battery, AC electric or Air powered lift and tilt
- Capacity: 800 Lb. (363 kg)



MORStak™ drum rackers place drums with virtually no space between them. Lift an upright drum, tilt it to horizontal, and place it into a drum rack. Safely handle rimmed 55-gallon (210 liter) steel or plastic drum.

Move in tight spaces where your forklift won't fit... with turning radius of only 6 feet (183 cm).

Choose model with battery, AC or air power drum lift and tilt. Air powered models are available with spark resistant parts.



1. Manually secure clamp to grip drum



2. Raise drum



3. Tilt drum to horizontal and transport to racking location



4. Manually release clamp, then raise drum to place in rack

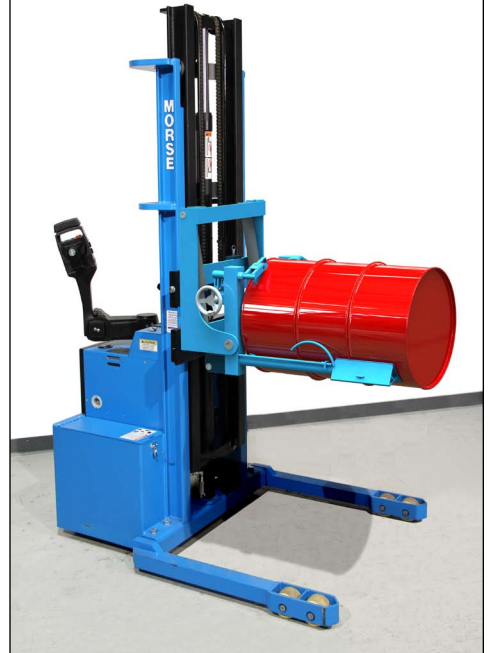


Power-Propelled Drum Racker

- Rack a drum up to 10.5' (3.2 m) high
- Self contained battery power lift, move and tilt
- Capacity: 800 Lb. (363 kg)

Power-propelled walkie stacker to rack a rimmed 55-gallon (210 liter) steel or plastic drum up to 10.5 feet (3.2 m) high! This safety conscious self-propelled MORStak™ Drum Racker, allows you to move drums on and off racks, pallets, trucks, etc. Lift an upright drum and place in horizontal position.

Rack drums side by side with virtually zero clearance between them. Handle your drum with a drum faucet in place to allow using your drum rack as a dispensing station.



405 Series Omni-Lift™ Drum Rackers

- Rack a drum up to 72" high (183 cm)
- Ergonomic Power Lift and Tilt Models
- Economic Manual Lift and Tilt Model
- Capacity: 800 Lb. (363 kg)

Easily lift, tilt and rack a 55-gallon (210 liter) steel drum up to 6 feet (183 cm) high with an Omni-Lift™ Drum Racker. Lift drum from vertical or horizontal position on the floor, and place it down in either upright or horizontal position.

Ergonomic powered models provide quicker drum racking. Choose battery, AC or air powered drum lift and tilt function. Air powered and manual models are available with spark resistant parts.

Option # 3313-P - Grip Pads required to rack a rimmed plastic 55-gallon (210 liter) drum.



Model 405 shown has hand pump drum lift and hand crank drum tilt

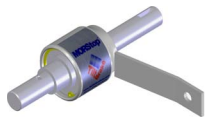


82A-GT Series Drum Palletizers with Geared Drum Tilt

- Hand Crank Geared Tilt to Dispense up to 26" (66 cm) high
- Palletize with V-shaped base
- Capacity: 600 Lb. (272 kg)



Model 82A-GT-125 shown has battery power drum lift



We recommend the **MORStop Tilt-Brake™** (Option 3900i-P) installed to automatically prevent unwanted drum tilting, even when drum contents shift.

Control dispensing with hand crank geared tilt. Rotate drum 360° in either direction. Raise upright drum up to 20" (51 cm) above floor. Move drum onto and off pallets.

MORCINCH™ Drum Handling System (page 3) automatically adjusts for 22" to 23.5" (56 to 59.7 cm) diameter drum. Add **MORCINCH™** Kits to handle plastic, fiber or smaller drum.

Ergonomic power-lift models provide quicker and safer drum handling. Choose battery, AC or air powered drum lift.

Models with spark resistant parts available with air power or hand pump drum lift.



82A Series Drum Palletizers that Pour

- Lift upright drum 20" (51 cm) high
- Pour up to 26" (66 cm) high
- Rotate drum by hand 360° in either direction
- Move drum on and off pallets
- Capacity: 600 Lb. (272 kg)

Lock drum in horizontal position to dispense, or upright to prevent spills while transporting.

Ergonomic power-lift models provide quicker and safer drum handling. Choose battery, AC or air powered drum lift.

Handle 55-gallon (210 liter) steel drum. Add **MORCINCH™** Kits (page 3) to handle a plastic, fiber or smaller drum.

Stainless steel models also available.



Model 82A shown with Top Rim Clamp (**MORCINCH™** Option 4560-P) to prevent a rimmed plastic drum from slipping



81 Series Drum Spotters

- Easily move drum on and off pallets
- Capacity: 800 Lb. (363 kg)

Compact, easy-to-use Drum Palletizer. Raise handle to engage hooks under upper drum rim. Lower handle to lift drum from a 6" (15 cm) tall pallet. Fully supports drum weight. Handle rimmed steel, plastic or fiber drum with 22" to 23.5" (56 to 59.7 cm) diameter, and from 34" to 36" tall (86 to 91 cm).

Model 81 made of carbon steel

Model 81M has spark resistant parts

Model 81-SS made of stainless steel



82H Series Drum Movers/Palletizers

- Lift drum up to 19" (48.3 cm) high
- Move drum to and from pallet
- Capacity: 1000 Lb. (454 kg)

Raise head to automatically grip the upper drum rim. Lift and move an upright drum. Lower the drum to the floor or onto a pallet, and the jaws automatically release once the drum is resting.

Raise drum up to 19" (48.3 cm) from floor. Handle rimmed steel, plastic or fiber drum with minimum height of 22.5" (57 cm). Requires at least 75 Lb. (34 kg) to actuate jaws.

Choose model with ergonomic battery, AC or air powered drum lift.

Models with spark resistant parts available with air power or hand pump drum lift.

Stainless steel models also available.



80 Series Mobile-Karriers

- Raise, move and pour drum
- Capacity: 800 Lb. (363 kg)

Fully supports and balances a 55-gallon (210 liter) drum. Lock drum upright for transporting, or in horizontal position to pour. Rotate drum by hand 360° in either direction. Pour at up to 17" (43 cm) high.

Model 80i for 55-gallon (210 liter) steel drum. Accepts **MORCINCH™** Kits (page 3) for other drums.

Model 80A for 55-gallon (210 liter) steel drum only

Model 80AM Has spark resistant parts. For 55-gallon steel drum only.

Model 80i-SS Made of stainless steel. Accepts **MORCINCH™** Kits.

Model 80APS Anti-Slip Strips for a 55-gallon plastic or steel drum



160 Series
4-Wheel Drum Trucks

Best Drum Truck... Move Drum with Ease

- Simple to load with long, knuckle saving handle
- Fully supports drum weight
- Move drum on and off pallets
- Dispense into pail
- Capacity: 1000 Lb. (454 kg)



Model 160



Model 160-SS stainless steel

Handle rimmed 30, 55 or 85 gallon drum
Stands upright for storage
Stainless steel and spark resistant models

Option # 5058-P
Strap for rimless drum

Rough Terrain models with tires outside frame for greater stability



Model 160-WP-SS
Stainless Steel



Model 160-WP

2 & 3 Wheel Drum Trucks



Model 152 and 153 Drum Trucks

2-wheel drum trucks with 10" (25.4 cm) wheels. Handle 30, 55 or 85 gallon drum. Capacity: 1000 Lb. (454 kg)
Model 152 has rubber wheels
Model 153 has polyolefin wheels
Model 155 Handstand Drum Truck adds support to stand upright for storage

Model 125 "No Spill" Drum Truck

Transport upright drum. Built-in handle attached to base. Two 8" (20 cm) polyolefin wheels, and one 4" (10 cm) swivel caster. Handle drum with up to 24" (61 cm) diameter. Capacity: 1,200 Lb. (544 kg)



Patented Clamp+GO™ Dolly Handle

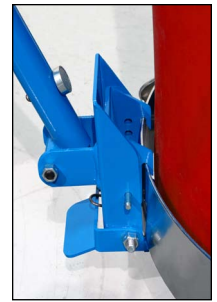
Model 24



The **Clamp+GO™** Dolly Handle increases worker safety and efficiency.

Attach to the sidewall of a drum dolly with a downward push to engage the quick-coupling mechanism. Easily disengage to connect to another dolly.

Use only with round metal drum dollies.



Drum Dollies

Choose carbon steel, spark resistant or stainless steel drum dolly with 3" (7.6 cm) MORTuf polyolefin swivel casters. Capacity: 1000 Lb. (454 kg)

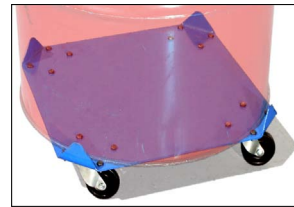
14 Series Round Drum Dollies

Move a drum on wide stance base. Fits up to 23" (58.4 cm) O.D.

Stainless steel and spark resistant models



Model 14-SS



Model 34

34 Series Square Drum Dollies

Rounded corners turned up hold drum in position. Fits up to 24" (61 cm) O.D.

Stainless steel models

Drum Cradle Trucks

Model 36 Cradle Truck Easy to load 55-gallon (210 liter) cradle with built-in tipping lever. Capacity: 500 Lb. (227 kg)

Model 36-SS made of stainless steel



Model 40 and Model 31

Model 40 Cradle Truck Rugged angle iron construction. Capacity: 700 Lb. (318 kg)

Model 40-30 for 30-gallon (114 liter) drum

Model 31 steel tubing Tipping Lever with rim hook to assist in loading a heavy drum

Model 46 Cradle Truck for 15-gallon (57 liter) steel drum. Rock-over loading. Capacity: 500 Lb. (227 kg)



Model 46



Model 32

Model 32 Drum Upright provides leverage to upright a horizontal steel drum

PailPRO Series™ 5-Gallon Pail Handlers

- Ergonomic, safety conscious pail handling
- Help prevent repetitive motion injuries
- Increase productivity

PailPRO™ 5-Gallon Can Tumblers



**2-305 Series
Double Can Tumblers**



**1-305 Series
Single Can Tumblers**

- Tumble sealed cans
- Mix liquid or dry contents, deburr or polish parts
- 23 RPM end-over-end continuous rotation. Does **NOT** shake or oscillate.
- For 4.5" to 16.5" (11.4 - 41.9 cm) tall can
- Up to 12.5" (31.75 cm) diameter
- Capacity: 100 Lb. (45 kg) per can



Add Enclosure with Interlock

OSHA requires enclosure with interlock (sold separately)

Extra Large Can (XLC) Options for cans up to 16" (40.6 cm) diameter, 11" to 22" (28 to 55.9 cm) tall. XLC Options require larger enclosure.

PailPRO™ Below-Hook Can Tipper

Model 85-5
Ergonomic pail handler to lift and pour a 5-gallon (19 liter) plastic or metal pail, 11" to 12" (28 to 31.5 cm) in diameter.
Capacity: 200 Lb. (91 kg)



PailPRO™ Below-Hook Pail Lifter

Model 92-5
Sized for a 5-gallon (19 liter) pail with 11" to 15" (28 to 38 cm) diameter.
Capacity: 1000 Lb. (454 kg)



PailPRO™ 5-Gallon Pail Dollies

Reduce repetitive lifting. Move a 5-gallon (19 liter) pail around on four 3" (7.6 cm) swivel casters. Flat deck with four rounded corners turned up to hold pail in position.
Capacity: 200 Lb. (91 kg)

Model 34-5 has steel construction
Model 34-5SS type 304 stainless steel



Model 83 PailPRO™ 5-Gallon Pail Handler

- Lift, move and pour a 5-gallon (19 liter) pail with ease
- Dispense up to 5 feet (152 cm) high
- Capacity: 150 Lb. (68 kg)

Lift, transport and pour a 5-gallon pail. Easy to maneuver. Compact enough to move through standard doorways.

Turn pail with hand wheel, equipped with **MORStop Tilt-Brake™** which automatically locks the tilt position

Use the floor lock to prevent rolling while you pour

Handle 11" to 12" (28 to 31.5 cm) diameter pail

Option # 3930-P (not shown) Counter Weight Kit to reverse base and enable pouring beyond the front wheels. Reduces capacity to 75 Lb. (34 kg).



PailPRO™ 5-Gallon Pail Heaters

Heat metal or plastic 5-gallon (19 liter) pail. Flexible heater band conforms to the curvature of the pail to heat the contents.

Has 4" (10.2 cm) wide band to fit around 11.25" +/- 1" (28.6 cm +/- 2.5 cm) diameter pail.

Heaters for metal can have 50° to 425° F (10° to 218° C) thermostat

Heaters for plastic pail have 50° to 160° F (10° to 218° C) thermostat



Model 152-5

PailPRO™ 5-Gallon Pail Truck

Ergonomic 2-wheel truck eases handling a heavy 5-gallon (19 liter) pail or can. Simply place the pail handle over the hook and pull back on the truck handle to lift the pail. Rolls on two 8" (20.3 cm) diameter MORTUF hard polyolefin wheels. Stands upright by itself.

Capacity: 150 Lb. (68 kg)



PailPRO™ Can Tipper to dispense 5-gallon pails

Ideal for dispensing small quantities from a 5-gallon (19 liter) can or pail.

Safety lock holds pail in place. Folds for storage.

Capacity: 75 Lb. (34 kg) per can

Model 15 handles a single pail

Model 15-SS stainless steel

Model 2-15 for two pails



Model 15-SS

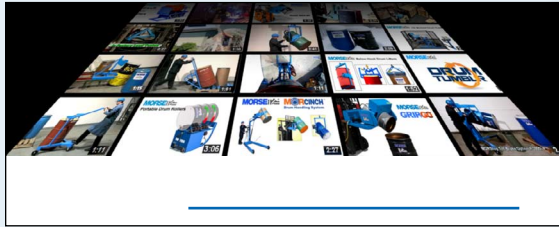
Model 2-15

Morse Manufacturing Company, Inc.

Industrial Ergonomics®

612-532-6774

sales@Industrial-Ergonomics.com



Drum Hand Pumps

Drum Pumps to dispense liquids



Self priming piston pumps on the forward and back strokes to yield a gallon in fewer than five cycles. Use for liquids at temperatures up to 80° F (25 C) and maximum viscosity of 2000 SSU (e.g. 30W motor oil).

Each pump is compatible with specific chemicals. Check Morse website for chemical compatibility. It is the user's responsibility to take appropriate safety and protective measures with hazardous chemicals.

Drum and Pail Heaters

- Simple, effective way to heat drum contents
- Flexible band conforms to drum curvature
- Adjustable thermostat to maintain temperature

Position 4" (10 cm) wide heater band BELOW the content level in the drum. It conforms to the drum curvature to conduct heat to the product inside. Adjust the thermostat to automatically maintain desired temperature.

Two drum heaters may be used on a single drum for faster warming.

Melt, preheat, prevent freezing, control viscosity, or promote flow and dissolution.

Each drum heater is equipped with cord. 115V heaters include plug.

NOT for use with flammables or in explosion hazard areas.

- Heaters for metal drum have 50° to 425° F (10 to 218 C) thermostat
- Plastic or fiber drum heaters have 50° to 160° F (10 to 71 C) thermostat



Drum Faucets



Model 65-20

Model 65-20 Molasses Gate Faucet for viscous liquids is made of grey iron with brass sliding plate closure. Fits metal drum 2" (5.1 cm) pipe thread.

Model 65-75 fits 3/4" (1.9 cm) metal drum bung

Model 68-20 Poly Faucet for use with nonflammable, corrosive liquids. Has a fast half-turn on/off handle that stays open until you close it. Use to control flow of viscous liquids through 2" (5.1 cm) bung of your metal drum.

Model 68-75 is like model 68-20, but fits 3/4" (1.9 cm) metal drum bung thread. Use for more fluid liquids.



Models 68-75 and 68-20

MORplug™ Drum Wrenches

Fit virtually any steel or plastic drum

Have numerous surfaces and shapes to fit virtually all drum plugs on your steel or plastic drums. The generous size provides extra leverage and hand clearance.

Model 59 ductile iron wrench for nonflammable materials

Model 59SRM spark resistant manganese bronze wrench... a precaution for drums of flammable material.

Model 59SRZ economical spark resistant, high-strength zinc aluminum alloy wrench.



Model 59



Model 59SRM