

The logo for Snyder Equipment, Inc. features the word "SNYDER" in large, bold, white, sans-serif capital letters. This text is set against a solid blue rectangular background. Below the blue background is a horizontal yellow bar. To the left of the yellow bar is a solid yellow circle. To the right of the yellow bar, the words "Equipment, Inc." are written in a smaller, bold, blue, sans-serif font. Below "Equipment, Inc." is the tagline "Storing, Rolling, Lifting since 1947" in a smaller, blue, sans-serif font.

SNYDER

Equipment, Inc.

Storing, Rolling, Lifting since 1947

PRODUCT INFORMATION

MORSE DRUM HANDLING EQUIPMENT

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MORSE

The Specialist In Drum Handling Equipment

Catalog 2003

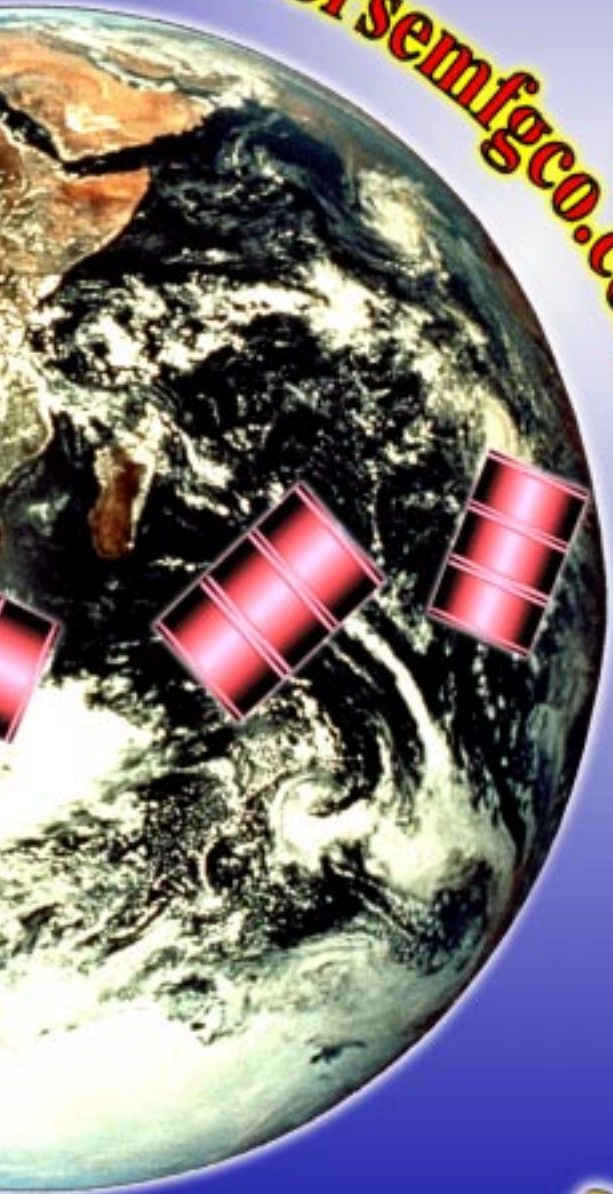
CONTENTS

- Pg. 2 Below Hook Lifters
- Pg. 3 Below Hook Karriers
- Pg. 4 Fork-Lift Attachments
- Pg. 5 Fork-Lift Attachments
- Pg. 6 Move, Pour, Weigh
- Pg. 7 Drum Rackers
- Pg. 8 Drum Palletizers
- Pg. 8-9 Drum Trucks
- Pg. 9 Drum Cradles & Dollies
- Pg. 10 Drum Rotators
- Pg. 11 Drum Tumblers
- Pg. 12 Cones, Pumps, Faucets, Wrenches & Heater

Many Models Are Available in
Stainless Steel



www.morsemfgco.com



- You Get **MORE** with **MORSE** •
- MORE QUALITY • MORE SERVICE •
- MOST EXTENSIVE LINE OF DRUM HANDLING EQUIPMENT •
- MADE IN U.S.A. •
- 2 YEAR WARRANTY • ESTABLISHED 1923 •

BELOW HOOK DRUM LIFTERS

90 SERIES VERTI-KARRIERS



- Grab, lift, move and place your drum
- Grips drum automatically, then releases only when drum is set down
- This saves time for your operators and discourages dangerous climbing
- Handle: Rimmed 55 gallon steel drum
- Capacity: 1,000 Lb. (454 kg)
- **Model 90-M** has spark resistant parts
- **Model 90-SS** is type 304 stainless steel
- **Model 90-30** for typical 30 gallon drum
- **Model 90-85** for 85 gallon steel overpack

92 SERIES DRUM LIFTER



- Automatically grips below the rim of your closed steel, fiber or plastic drum
- Handle: 18" to 26" diameter (I.D.), rimmed steel or plastic drum, 30 to 55 gallon drum, many lever-lock fiber drums, or 85 gallon steel salvage or overpack. NOT for lifting plastic overpacks.
- Capacity: 1,000 Lb. (454 kg)
- **Model 92-M** has spark resistant parts
- **Model 92-SS** is type 304 stainless steel
- **Model 92B** is for 15" to 23" diameter (I.D.) drum

MODEL 91 DRUM LIFTER



- Fast overpacking
- Simple tong design broad grippers minimize pressure on drum
- Narrow profile allows complete lowering into overpack drum
- Handle: 55 gallon steel drum into overpack, or 85 gallon steel overpack
- Capacity: 1,000 Lb. (454 kg)

90, 91 and 92 SERIES			
MODEL #	DESCRIPTION	SHIP WEIGHT	SHIP DIMENSIONS
90	55 Gallon Steel	50 Lb.	L 31 W 20 H 9
90-M	55 Gallon Steel, Spark Resistant	53 Lb.	L 31 W 20 H 9
90-SS	55 Gallon Steel, Stainless Steel	50 Lb.	L 31 W 20 H 9
90-30	30 Gallon Steel	45 Lb.	L 31 W 20 H 9
90-85	85 Gallon Steel Salvage	59 Lb.	L 39 W 27 H 9
91	55 Gallon, 85 Gallon	19 Lb.	L 20 W 9 H 17
92	18" to 26" Diameter Rimmed	25 Lb.	L 20 W 9 H 17
92-M	18" to 26" Dia. Rimmed, Spark Resistant	27 Lb.	L 20 W 9 H 17
92-SS	18" to 26" Dia. Rimmed, Stainless Steel	25 Lb.	L 20 W 9 H 17
92B	15" to 23" Diameter Rimmed	25 Lb.	L 20 W 9 H 17

MODEL 41 DRUM LIFTING HOOK

- Use under your hoist, crane or fork truck mounted hook to lift and move heavy drum
- Has alloy steel lifting ring, steel rods and malleable iron hooks
- Handle: 55 gallon steel drum 34" to 36" long
- Capacity: 1,000 Lb. (454 kg)



MODEL 41-M

SPARK-RESISTANT DRUM LIFTING HOOK

- Made of spark resistant bronze and copper
- Handle: 55 gallon steel drum 34" to 36" long
- Capacity: 750 Lb. (340 kg)

41 and 42 SERIES			
MODEL #	DESCRIPTION	SHIP WEIGHT	SHIP DIMENSIONS
41	55 Gallon Steel	5 Lb.	L 20 W 5 H 4
41-M	55 Gallon Steel, Spark Resistant	7 Lb.	L 20 W 5 H 4
42	55 Gallon Steel	9 Lb.	L 31 W 5 H 4
42-G	55 Gallon Steel, Galvanized	9 Lb.	L 31 W 5 H 4

MODELS 42 & 42-G

HEAVY-DUTY DRUM LIFTERS

- Use under hoist or fork truck mounted hook to lift and move your heaviest drum
- Upend or downend drum using off-vertical mode
- Has alloy chain, links and lifting rings
- Heavy-duty steel rod and welded eyes
- Forged steel hooks engage drum rims
- Handle: 55 gallon steel drum 34" to 36" long
- Capacity: 2,000 Lb. (909 kg)
- **Model 42-G** has hot dip galvanized finish



MODEL 86 DRUM LIFTER



- Transport loaded drum in vertical position
- Attach to your monorail, crane or chain block
- Holds drum securely by chain and ratchet mechanism and bottom support bar
- Handle: Steel, plastic or fiber drum
Drum diameter: 22" to 23-1/2"
Drum height: 23" to 38"
- Capacity 1,000 Lb. (454 kg)
- Ship weight: 61 Lb.
- Ship Dimensions: L 28 W 18 H 29

85 SERIES DRUM KARRIERS



- Move your heavy drum by monorail or crane
- You manually control tilt angle for fast dumping or controlled dispensing
- Use tilt-lock to hold drum vertical for transport or horizontal to pour
- Capacity: 800 Lb. (363 kg)

- **Model 85i** accepts 55/30 Series Adaptors
- **Model 85G** has 3-piece saddle
- **Model 85A-M** has spark resistant parts
- **Model 85A-SS** is type 304 stainless steel

MODEL #	DESCRIPTION	SHIP WEIGHT	SHIP DIMENSIONS
85i	55 Gallon Steel, Accepts Adaptors	41 Lb.	L 39 W 27 H 9
85A	55 Gallon Steel	41 Lb.	L 39 W 27 H 9
85G	55 Gallon Steel, 3-Piece Saddle	55 Lb.	L 39 W 27 H 9
85A-M	55 Gallon Steel, Spark Resistant	41 Lb.	L 39 W 27 H 9
85A-SS	55 Gallon Steel, Stainless Steel	44 Lb.	L 39 W 27 H 9
85C	Fiber or Steel, 21" - 23" Diameter	41 Lb.	L 39 W 27 H 9
Special order versions for non-standard size or type drum			

MODEL 284

FORK MOUNT HOOK

Use your forklift like a hoist with Model 284. It slides onto the fork of your truck. Turn T-screw to secure on fork. Then use any Morse below-hook drum lifter.

- Capacity: 2,000 Lb. (909 kg)
- Ship weight: 11 Lb.
- Ship Dimensions: L 10 W 10 H 17



BELOW HOOK DRUM KARRIERS

185 SERIES MANUAL-TILT KONTROL-KARRIERS

- You have control of pouring at heights beyond your reach
- Rotate drum 360° in either direction

185 SERIES

- **STANDARD Capacity 800 Lb. (363 kg)**
- Gear and sprocket drive provide 30:1 ratio



185 STANDARD DUTY KONTROL KARRIERS			
MODEL #	DESCRIPTION	SHIP WEIGHT	SHIP DIMENSIONS
185I	55 Gallon Steel, Accepts Adaptors	71 Lb.	L 39 W 34 H 10
185A	55 Gallon Steel	71 Lb.	L 39 W 34 H 10
185G	3-Piece Saddle, 55 Gallon Steel	85 Lb.	L 39 W 34 H 10
185A-M	Spark Resistant, 55 Gallon Steel	68 Lb.	L 39 W 34 H 10
185C	Fiber, Steel 21 - 23" diameter	71 Lb.	L 39 W 34 H 10
185R	Top Rim Clamp, Rimmed Steel, Poly or Fiber up to 23-1/2" dia., Min. 34" tall	71 Lb.	L 39 W 34 H 10

MODEL 185R

- Top rim clamp and bottom rim foot secure 55 gallon steel drum. Lift and place vertical or horizontal steel drum.
- Handle plastic or fiber rimmed drum up to 23-1/2" in diameter with minimum height of 34". Place chain around front of drum when tilting.
- Capacity: 800 Lb.



TILT CONTROL OPTIONS FOR 185 & 185HD SERIES

OPTION	DESCRIPTION
Standard	Chain Wheel and Pull Chain, 12' Loop, No Gear Covers
X01	Self-Stopping hand Crank with Gear Covers
X02	Simple Hand Crank with Gear Covers
X03	16" Diameter Hand Wheel with Gear Covers
X04	Gear Covers for Pull Chain Equipped Models

MODELS 184 & 186 ADJUSTO-KARRIERS

- Adjustable to grip various sized steel or fiber drum
- Rubber faced grip pads are tightened by hand-crank to fit various diameters
- Manual tilt control by pull chain on standard models
- **Model 184** Handles steel or fiber drum 8" to 15" diameter Capacity: 500 Lb. (227 kg)
- **Model 186** Handles steel or fiber drum 15" to 23" diameter Capacity: 500 Lb. (227 kg)



Model 186 shown with option X03 16" Hand Wheel with Gear Cover

185HD SERIES

- **HEAVY-DUTY Capacity 1,500 Lb. (680 kg)**
- Gear reduction provides 60:1 ratio for higher capacity and finer tilt control



185HD HEAVY-DUTY KONTROL KARRIERS			
MODEL #	DESCRIPTION	SHIP WEIGHT	SHIP DIMENSIONS
185A-HD	55 Gallon Steel	93 Lb.	L 39 W 34 H 10
185G-HD	3-Piece Saddle, 55 Gallon Steel	103 Lb.	L 39 W 34 H 10
185AM-HD	Spark Resistant, 55 Gallon Steel	85 Lb.	L 39 W 34 H 10
185A-HDPS	Plastic, or Steel 55 Gallon	114 Lb.	L 39 W 34 H 10
185C-HD	Fiber or Steel 21 - 23" diameter	91 Lb.	L 39 W 34 H 10
185C-HDSS	Stainless, Fiber or Steel 21 - 23" dia.	103 Lb.	L 39 W 34 H 10

MODEL 185A-HDPS

- You control pouring of plastic or steel drum
- Bracket at top and bottom of drum prevents plastic drum from slipping
- Handle: 55 gal. steel or plastic drum 22-1/2" to 23-1/4" diameter and 34" to 37" tall
- Capacity: 900 Lb.



185GR SERIES

- **EXTRA HEAVY-DUTY Capacity 2,000 Lb. (909 kg)**
- 60:1 worm gear reducer for highest capacity
- Handle: 55 gal. steel drum



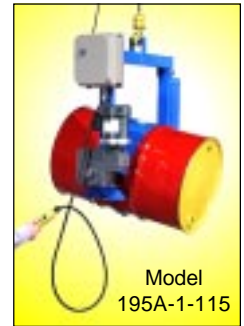
185GR EXTRA HEAVY-DUTY KONTROL KARRIERS			
MODEL #	DESCRIPTION	SHIP WEIGHT	SHIP DIMENSIONS
185A-GR	55 Gallon Steel	177 Lb.	L 42 W 42 H 15
185G-GR	3-Piece Saddle, 55 Gal. Steel	185 Lb.	L 42 W 42 H 15
185GM-GR	Spark Resist, 3Pc Saddle, 55 Gal Steel	185 Lb.	L 42 W 42 H 15

TILT CONTROL OPTIONS for 185GR SERIES

OPTION	DESCRIPTION
Standard	Chain Wheel and Pull Chain, 13' Loop
X03	10" Diameter Handwheel with Speed Handle

195 SERIES POWERED-TILT KONTROL-KARRIERS

- You have the ease of powered drum rotation 360° in both directions
- Hand held tilt controller
- AC or Air motors
- Handle: 55 gallon steel drum
- Capacity: 1,500 Lb.



Model 195A-1-115

195 POWER TILT KONTROL-KARRIERS

MODEL #	DESCRIPTION	SHIP WEIGHT	SHIP DIMENSIONS
195A-1-115	1 phase/115V motor	400 Lb.	L 45 W 24 H 40
195A-3-230	3 phase/230V motor	400 Lb.	L 45 W 24 H 40
195A-3-460	3 phase/460V motor	400 Lb.	L 45 W 24 H 40
195A-A	Air motor	400 Lb.	L 45 W 24 H 40
195AM-A	Air motor, Spark Resistant	400 Lb.	L 45 W 24 H 40

E14 FIBER DRUM STRAP to handle fiber drum



- Use with 55/30 Series Adaptor to secure your fiber drum in Morse Drum Carrier
- Rubber surface grips fiber
- Replaces cinch-chain of standard saddle
- **Model E14SS** has stainless steel parts



Model 55/30-19 Adaptor and Model E14 Fiber Drum strap shown being used with Model 285A-HD Fork Lift-Karrier

55/30 SERIES ADAPTORS to handle smaller diameter drum



- Quickly insert & remove from drum holder
- Use Adaptor **and** Model E14 Fiber Drum Strap for fiber drum
- **55/30M Series are Spark Resistant**
- **55/30SS Series are Stainless Steel**
- 55/30 Series Adaptors fit Morse 82A, 195A, 400 and 500 Series
- Also fit Models 80i, 85i, 86, 185i, 185A-HD, 185A-HDPS, 285A, 285A-HD, 285A-HDPS, 285A-BP and 285A/E

55/30 SERIES ADAPTORS		
MODEL #	FITS DRUM DIAMETERS	SHIP WEIGHT
55/30-22	21.5" to 22"	14 Lb.
55/30-20.5	20" to 20.5"	23 Lb.
55/30-19	18.5" to 19"	24 Lb.
55/30-17.5	17" to 17.5"	24 Lb.
55/30-16	15.5" to 16"	26 Lb.

FORK-LIFT ATTACHMENTS

FORK-LIFT KARRIERS to Lift, Move & Pour Drum



- Convert Your Fork-Truck into a Drum Handler
- You control pouring from your seat
- Mounts quickly and simply onto forks
 - No tools needed
 - No power connections
 - No truck modifications required

- Fork pocket openings are 2-1/2" tall x 6-1/2" wide and are 24-1/2" apart
- Special Type 304 stainless steel models available

285A SERIES

- **STANDARD-DUTY Capacity: 800 Lb.**
Has 30:1 geared tilt ratio. Includes 20' pull chain and chain wheel for manual tilt control from seat of fork truck.
Handle: 55 gallon steel drum. Accepts 55/30 Series Adaptors for use with smaller diameter drums.
- Model 285A/E** has E14 Fiber Drum Strap. Use with 55/30 Series Adaptors for fiber drum.
- Model 285G** is Standard-Duty model with 3-piece saddle.
- Model 285A-M** has spark resistant parts.

285A-HD SERIES

- **HEAVY-DUTY Capacity: 1,500 Lb.**
Heavy-Duty models include an extra 2:1 sprocket set to achieve 60:1 ratio for higher capacity and finer tilt control. Standard model has pull chain and chain wheel for tilt control from seat of fork truck.



- Model 285A-HD** is shown with **Option X01** Self-Stopping Hand Crank and Gear Cover. Handle: 55 gallon steel drum. Use 55/30 Series Adaptors for smaller diameter drum.
- Model 285A/E-HD** has E14 Fiber Drum Strap. Use with 55/30 Series Adaptors for fiber drum.
- Model 285G-HD** (shown below right) is Heavy-Duty model with 3-piece saddle.
- Model 285AM-HD** has spark resistant parts.

285A-GR SERIES

- **EXTRA HEAVY-DUTY Capacity: 2,000 Lb.**
Extra Heavy-Duty models feature a 2-stage



- worm gear speed reducer, for a 150:1 mechanical advantage.
- Handle: 55 gallon steel drum. Use 55/30-19GR Adaptor for 30 gallon steel drum.
- Model 285G-GR** is Extra Heavy-Duty model with 3-piece saddle.
- Model 285GM-GR** has 3-piece saddle and spark resistant parts.

MODEL 285A-HDPS

- Handle your plastic or steel drum with this Fork-Lift Karrier. Model 285A-HDPS has special drum holder with L-shape foot to support drum bottom and hold-down bracket to trap drum at top. Handle: 55 gallon plastic or steel drum 22-1/2" to 23-1/4" diameter, 34" to 39" tall. Use 55/30 Series Adaptors for smaller diameter drum. Capacity: 900 Lb.



MODEL 285G-HD

- Heavy-Duty model with 3-piece saddle for standard 55 gallon steel drum.



- Model 285G-HD** shown here, handles 22-1/2" diameter 55 gallon steel drum. Capacity: 1,500 Lb. Three-piece saddle is for a fixed drum diameter. Specific size 3-piece saddle can be special ordered to match drum diameter.



MODEL 285A-BP

- Provides you with Battery-Powered tilt for operator to control pouring by push-button while seated in truck. This Fork-Lift Karrier has its own battery. No power connection or modification to your truck is required. Charger is included for wall or shelf mount. Handle: 55 gallon steel drum. Use 55/30 Series Adaptors for smaller diameter drum. Capacity: 1,200 Lb.

285 SERIES FORK-LIFT KARRIERS

MODEL #	DESCRIPTION	SHIP WEIGHT	SHIP DIMENSIONS
285A-BP	Battery Powered Tilt, 55 Gallon Steel	395 Lb.	L 39 W 41 H 28
285A	55 Gallon Steel	149 Lb.	L 40 W 29 H 24
285A/E	E14 Strap, 55 Gallon Steel. Use 55/30 Series for Fiber.	151 Lb.	L 40 W 29 H 24
285G	3-Piece Saddle, 55 Gallon Steel	159 Lb.	L 40 W 29 H 24
285A-M	Spark Resistant, 55 Gallon Steel	149 Lb.	L 40 W 29 H 24
285A-HD	Heavy-Duty, 55 Gallon Steel	162 Lb.	L 40 W 29 H 24
285A/E-HD	Heavy-Duty, E14 Strap, 55 Gal. Steel. Use 55/30 Series for Fiber.	164 Lb.	L 40 W 29 H 24
285G-HD	Heavy-Duty, 3-Piece Saddle, 55 Gallon Steel	172 Lb.	L 40 W 29 H 24
285AM-HD	Heavy-Duty, Spark Resistant, 55 Gallon Steel	162 Lb.	L 40 W 29 H 24
285A-HDPS	Heavy-Duty, Plastic, Steel 55 Gallon	213 Lb.	L 40 W 29 H 24
285A-GR	Extra Heavy-Duty, 55 Gallon Steel	261 Lb.	L 45 W 33 H 23
285G-GR	Extra Heavy-Duty, 3-Piece Saddle, 55 Gal. Steel	311 Lb.	L 45 W 33 H 23
285GM-GR	Extra Heavy-Duty, Spark Resistant, 3-Pc. Saddle, 55 Gal. Steel	311 Lb.	L 45 W 33 H 23

Special order custom versions for non-standard drums, special requirements, etc.

Special order version in Type 304 Stainless Steel (Some parts not available in stainless steel)

FORK-LIFT ATTACHMENTS

288 SERIES MORSpeed FORK-LIFT DRUM HANDLERS to Lift and Move Your Drums with **More Speed**

MORSpeed JAWS

Massive, wide jaws are contoured to securely grasp virtually any rimmed drum. The encased mechanism provides precise, reliable, automatic drum gripping.



2-heads per drum versions reduce stress on drum by distributing weight between 2 sets of jaws. Indicated by "2H" suffix on models 288-1-2H, 288-2-2H and 287-2H.



- Fast handling of your rimmed drums... 1 or 2 at a time
- You stay in the seat to grab, lift, move and place drums
- Mounts on your forks in seconds without any tools
- Raise forks to grip drums
- Massive steel jaws secure drum rim
- No power connections
- Works with or without pallets

- Handle:
 - Steel, fiber or plastic rimmed drums
 - Any diameter with min. 24" height
 - Straight walled or damaged drums
- Capacity: 1,500 Lb. per drum
- Minimum weight required to actuate drum gripping mechanism:
 - 75 Lb. per drum for single head
 - 350 Lb. per drum for double head

MODEL 288-1 for 1 Drum

Single drum version. Handles: 1 rimmed drum. Capacity: 1500 Lb. (682 kg).



Model 288-1-2H (not shown) has 2 heads for one drum.

MODEL 288-2 for 1 or 2 Drums

Lift and move 1 or 2 drums at a time. Shown with 2 optional belt kits (part # 2523-P) to help protect sides of drums. Handles: 2 rimmed drums simultaneously or single drum. Capacity: 1500 Lb. (682 kg) per drum.

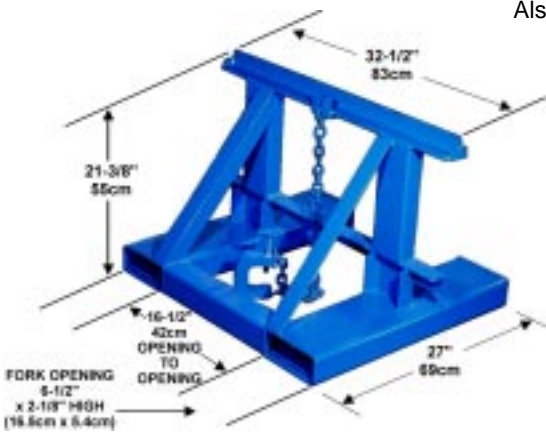


Model 288-2-2H (not shown) has 2 heads for each drum.

Morse can also accommodate your unique requirements for higher capacity or spark resistant drum handlers.

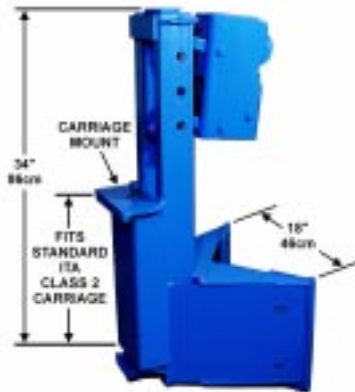
MODEL 288-0 FORK REACH MOUNT

288-0 is a component of 288-1 or 288-2 Series. It is not a drum handler by itself.



MODEL 287 CARRIAGE MOUNT

Use 1 or 2 of Model 287 on ITA class 2 carriage without forks for use in tight spaces. Also fits onto 288-0 to make Model 288-1.



PART # 2523-P OPTIONAL BELT KIT

Optional Belt Kit (part # 2523-P) puts a fabric surface in front of the steel backrest to protect the drum finish. Easy to install using 4 bolts provided. MORSpeed models require one belt kit per drum (1 belt kit for 288-1, 2 kits for 288-2).

MORSpeed MODELS

MODEL #	DESCRIPTION	SHIP WEIGHT	SHIP DIMENSIONS
288-1	1 Drum Handler, 1 Head for the Drum	267 Lb.	L 37 W 31 H 35
288-1-2H	1 Drum Handler, 2 Heads for the Drum	314 Lb.	L 37 W 31 H 35
288-2	2 Drum Handler, 1 Head Per Drum	389 Lb.	L 37 W 31 H 35
288-2-2H	2 Drum Handler, 2 Heads Per Drum	485 Lb.	L 37 W 31 H 35
288-0	Fork Reach Mount	143 Lb.	L 40 W 29 H 24
287	Carriage Mount, 1 Head for the Drum	138 Lb.	L 38 W 25 H 21
287-2H	Carriage Mount, 2 Heads for the Drum	186 Lb.	L 37 W 23 H 21

MODEL 287 CARRIAGE MOUNT

This carriage mount with drum gripping head is made to mount directly onto your ITA Class 2 carriage without forks. Ideal when operating in limited space when you do not need to reach across pallets. Capacity: 1,500 Lb. **Model 287-2H** (not shown) has 2 heads to grip drum.



MOVE & POUR DRUMS

VERTICAL-LIFT POURERS

to Lift & Pour Your Drum up to 106" High

- You control pouring angle and height
- Easily maneuverable with compact base
- Order with power-lift and power-tilt options
- Handle:
 - 22" to 23-1/2" diameter steel or fiber drum
 - Options to handle 55 gal. plastic drum
 - Add 55/30 Series Adaptor for fiber drum
- Capacity: 800 Lb. (363 kg)
- **2-Stage units: 520 and 525 Series**
 - Pour up to 106" high
 - Base dimensions: 57-1/2" x 40-1/4"
- **Single Stage units: 510 and 515 Series**
 - Pour up to 60" high
 - Base dimensions: 50-1/2" x 35-3/4"
- Drum Holder is equipped with **Model E14 Fiber Drum Strap** (See page 3). This 4" wide belt has nylon core with laminated rubber friction surface to grip fiber or straight walled steel drum, in addition to standard steel drum.

515 & 525 VERTICAL-LIFT SCALE EQUIPPED SERIES

Know weight dispensed as you pour!

- **515 Series are Single Stage**
- **525 Series are 2-Stage**
- Built-in digital scale indicator options
 - Scale Type T - Intrinsically safe scale with ultra low power indicator for hazardous areas
 - Scale Type N - General purpose scale indicator for variety of applications
- **515M and 525M Series** also available with spark resistant parts such as monel metal drum holder bands
- **Model 515-T-114** shown with optional top rim clamp part #3540-P



510 & 520 VERTICAL-LIFT SERIES

- **510 Series are Single Stage**
- **520 Series are 2-Stage**
- **510M and 520M Series** also available with spark resistant parts



POWER OPTIONS Make Drum Handling Easier & Faster

POWER OPTIONS 400 and 500 SERIES

POWER OPTION #	DESCRIPTION	MOTOR TYPE	MOTOR CONTROL	SHIP WT. ADDER
110	Power-Lift and Tilt	1 HP/115V/60Hz AC	Switch, Cord, Plug	75 Lb.
114	Power-Lift and Tilt	Air, Vane Type	Optional FRL*	95 Lb.
115	Power-Lift and Tilt	12V, DC **	Built-In	120 Lb.
120	Power-Lift, Manual-Tilt	1 HP/115V/60Hz AC	Switch, Cord, Plug	40 Lb.
124	Power-Lift, Manual-Tilt	Air, Vane Type	Optional FRL*	25 Lb.
125	Power-Lift, Manual-Tilt	12V, DC **	Built-In	85 Lb.

* FRL = Filter, Regulator, Lubricator with Valve (Order part # 90020-P).

** Includes charger for wall or shelf mount.

HOW TO ORDER 500 SERIES

Series #	-	Scale Type	-	Power Option #
515 or 525	-	T or N *	-	110, 114, 115, 120, 124 or 125
510 or 520	-	No Scale	-	110, 114, 115, 120, 124 or 125

* T = Intrinsically safe scale indicator for hazardous environment.

N = NOT for hazardous areas.

400 SERIES HYDRA-LIFT KARRIERS

- You control lifting and pouring of heavy drum
- Order with power-lift and power-tilt options
- Turn drum 360° in either direction
- Rolls on 8" wheels & 4" swivel casters
- Simple operation by one person
- Handle:
 - 55 gallon steel drum
 - Add E14 Strap & Adaptor for fiber drum
 - Options to handle 55 gal. plastic drum
- Capacity:
 - 800 Lb. (363 kg) 60", 72" & 84" models
 - 750 Lb. (341 kg) 96" models
- Available in type 304 stainless steel
- **400AM Series** has spark resistant parts



MANUAL LIFT AND TILT



Model 400A-60 has hand pump lift and hand crank tilt to pour at up to 60" high.

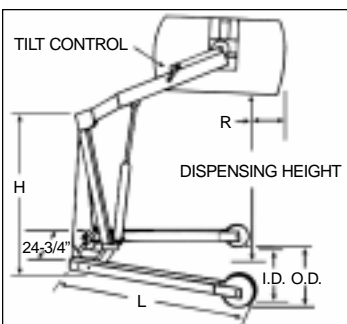


Manual-Tilt Models with 72", 84" & 96" lift heights have pull chain & chain wheel for tilt control.

POWER OPTIONS

To order complete units with power options use the power option number from chart above left as suffix on manual model number. Example: **400A-84-115** is 84" dispensing height model equipped with battery powered lift and tilt.

Existing manual models can be converted to power lift. Order power lift option for "field installation" less cylinder such as O-120FILC, O-124FILC or O-125FILC. To get current hydraulic cylinder with field install power kits, order O-120FI, O-124FI or O-125FI.



400 SERIES HYDRA-LIFT KARRIERS

MANUAL MODEL #	DISPENSING HEIGHT	CAPACITY	R	H	L	O.D.	I.D.	TILT CONTROL	SHIP WEIGHT	SHIP DIMENSIONS
400A-60	60"	800 Lb.	8"	55"	60"	44"	37"	Hand Crank	301 Lb.	L 38 W 18 H 66
400A-72	72"	800 Lb.	6"	55"	60"	44"	37"	Chain Wheel	307 Lb.	L 38 W 18 H 66
400A-84	84"	800 Lb.	-3"	61"	72 1/2"	49"	42"	Chain Wheel	309 Lb.	L 74 W 50 H 61
400A-96	96"	750 Lb.	-4"	69"	76 1/2"	50"	43"	Chain Wheel	311 Lb.	L 76 W 51 H 69

Special order custom versions for height, reach, straddle, capacity, non-standard drum, etc.

Models in chart have manual pump hydraulic lift & manual drum tilt control. See POWER OPTIONS chart above.

DRUM RACKERS

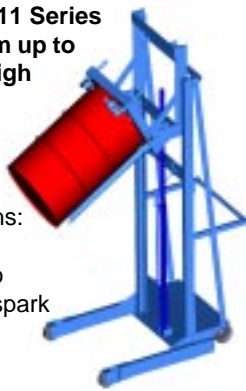
MORStak DRUM RACKERS

Now You Can:

- Quickly transport and rack your heavy drums with ease of powered lift and tilt
- Have safety conscious drum racking, and eliminate dangerous "bare fork" drum handling
- Move in tighter space where your forklift won't fit... turning radius of only 6'
- Rack your drums with virtually no space between them
- Handle drum with faucet and vent in place to use rack as dispensing station
- Lift drum from vertical to horizontal
- Pick/place drum horizontally or vertically
- Handle:
 - 55 Gallon steel drum
 - Rimmed 55 gallon plastic drum with Drum Pad Kit (included)
- Capacity: 800 Lb. (363 kg)
- Choose 12V DC or Air Powered
 - 12V Battery powered models include charger, but are not for explosion hazard areas
 - Air powered models require 40 psi

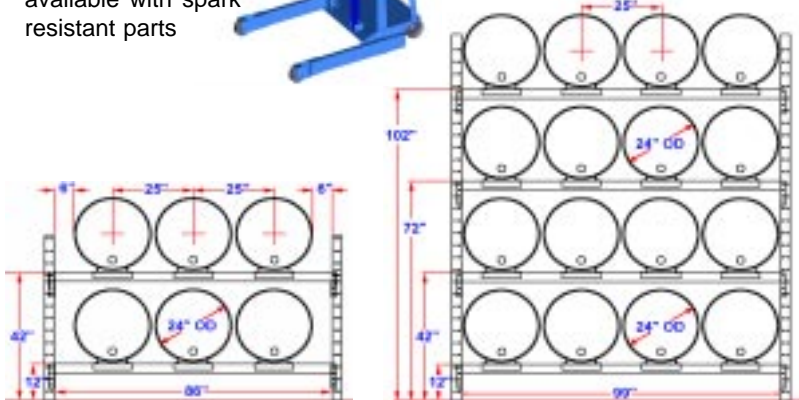
611 SERIES

- **Single-Stage 611 Series**
- **Rack your drum up to 58" (147 cm) high**
- Typical rack configuration served shown below
- Base dimensions: 49" x 36"
- **611 Series** also available with spark resistant parts



620 SERIES

- **2-Stage 620 Series**
- **Rack your drum up to 102" (259 cm) high**
- Typical rack configuration served shown
- Base dimensions: 56" x 41"
- **620 Series** also available with spark resistant parts



Model 620-115 shown is

2-Stage 12V DC Power-Lift and Power-Tilt



1. Manually secure clamp to grip drum on floor, then raise
2. Tilt drum to horizontal
3. Transport drum to desired location
4. Manually release clamp then raise drum to place on rack

MORStak SERIES					
MODEL #	DESCRIPTION	POWER SOURCE	RACKS TO	SHIP WT.	SHIP DIMENSIONS
611-115	Single Stage	12V DC	58"	785 Lb.	L 78 W 43 H 90
611-114	Single Stage	AIR	58"	950 Lb.	L 78 W 43 H 90
611M-114	Single Stage with Spark Resistant Parts	AIR	58"	950 Lb.	L 78 W 43 H 90
620-115	2-Stage	12V DC	102"	985 Lb.	L 78 W 48 H 80
620-114	2-Stage	AIR	102"	1050 Lb.	L 78 W 48 H 80
620M-114	2-Stage with Spark Resistant Parts	AIR	102"	1050 Lb.	L 78 W 48 H 80

405 SERIES OMNI-LIFT DRUM RACKERS (Patented)

PLACE drum onto Morse rotators. Shown loading drum onto 1-5154 series.



LIFT drum from vertical or horizontal position on floor.

POUR drum

- Easily lift, tilt, pour and rack heavy drum
- Place your drum on rack up to 6' high
- Order with power-lift and power-tilt options
- **Model 405** has hand pump lift and hand crank to tilt drum
- High strength lifting components and wear resistant alloy cinch chain
- Handle:
 - 55 gallon steel drum
 - Add accessory AP405 for 55 gallon plastic drum with suitable top rim
- Capacity: 800 Lb. (363 kg)
- **Model 405M** has spark resistant parts

405 SERIES OMNI-LIFT DRUM RACKERS

MODEL #	DESCRIPTION	MOTOR TYPE	MOTOR CONTROL	SHIP WEIGHT	SHIP DIMENSIONS
405-110	Power-Lift and Tilt	1 HP/115V/60Hz AC	Switch, Cord, Plug	425 Lb.	L 72 W 50 H 55
405-114	Power-Lift and Tilt	Air, Vane Type	Optional FRL *	395 Lb.	L 72 W 50 H 55
405-115	Power-Lift and Tilt	12V, DC **	Built-In	495 Lb.	L 72 W 50 H 55
405-120	Power-Lift, Manual-Tilt	1 HP/115V/60Hz AC	Switch, Cord, Plug	393 Lb.	L 72 W 50 H 55
405-124	Power-Lift, Manual-Tilt	Air, Vane Type	Optional FRL *	383 Lb.	L 72 W 50 H 55
405-125	Power-Lift, Manual-Tilt	12V, DC **	Built-In	462 Lb.	L 72 W 50 H 55
405	Manual-Lift and Manual-Tilt	None	None	360 Lb.	L 72 W 50 H 55

* FRL = Filter, Regulator, Lubricator with Valve (Order Part #90020-P).

** Includes charger for wall or shelf mount.

DRUM PALLETIZERS

MODEL 81 DRUM SPOTTER

- Move your drum easily and efficiently onto or from pallet
- Compact, simple and quick to operate
- No support or balancing required
- Holds drum upright
- Handle:

- Rimmed steel, plastic or fiber drum
- 22" to 23-1/2" diameter
- 34" to 36" tall

• Capacity: 800 Lb.

The handle of Model 81 is held up by a gas spring. Ratchet stops provide several positions where handle will stay until operator takes hold.



82A SERIES

- Lift, Transport & Dispense heavy drum
- Rotate to pour up to 26" (66 cm) high
- Lock at horizontal to pour
- Lock in vertical position to prevent spills
- AC, DC and Air Power-Lift options
- Lift 20" (50.8 cm) above floor
- Handle: 55 gallon steel drum
- Capacity: 800 Lb.
- Add Adaptor for smaller diameter drum
- Add E14 Strap and Adaptor for fiber drum



Model 82A shown with manual pump lift

82H SERIES

- Move your drum to and from pallet
- Holds drum upright with jaws
- Automatic drum grip and release
- Raise drum 22" (55.9 cm) above floor
- AC, DC and Air Power-lift options
- Handle: Rimmed steel, poly or fiber drum with minimum height of 28" (71.1 cm)
- Capacity: 1,000 Lb. (454 kg)
- **Models 82HM and 82HM-124** have spark resistant parts



Model 82H-125



MOBILE-KARRIERS

80 SERIES MOBILE-KARRIERS

- Raise, transport, rotate, and drain your heavy drum
- Carries entire weight of drum
- Lock drum in vertical position to transport
- Lock drum in horizontal position to pour
- Manually control to desired tipping angle
- Rotate drum 360° end-over-end
- Secure drum in holder with high strength cinch chain
- Capacity: 800 Lb. (363 kg)
- **Model 80A** is for 55 gallon steel drum
- **Model 80i** accepts 55/30 Series Adaptors for smaller diameter drum (see page 3)
- **Model 80A-M** has spark resistant parts
- **Model 80A-SS** is type 304 stainless steel
- **Model 80APS** is for 55 gallon plastic or steel drum



80 SERIES MOBILE-KARRIERS

MODEL #	DESCRIPTION	SHIP WEIGHT	SHIP DIMENSIONS
80A	55 Gallon Steel	97 Lb.	L 43 W 36 H 9
80i	55 Gallon Steel, Accepts Adaptors	97 Lb.	L 43 W 39 H 9
80A-M	Spark Resistant, 55 Gallon Steel	97 Lb.	L 43 W 36 H 9
80A-SS	Stainless Steel, 55 Gallon Steel	125 Lb.	L 42 W 40 H 42
80APS	55 Gallon Plastic or Steel	97 Lb.	L 43 W 36 H 9
80C	Fiber, Steel, 21" to 23" Diameter	97 Lb.	L 43 W 36 H 9

Special order versions for non-standard size or type drum

82 SERIES DRUM PALLETIZERS

MODEL #	DRUM HOLDER	OPTIONS	POWER	SHIP WEIGHT	SHIP DIMENSIONS
82A	Saddle	Manual Lift and Tilt	None	460 Lb.	L 50 W 40 H 56
82A-120	Saddle	AC Power Lift, Manual Tilt	1PH/115V/60Hz AC	460 Lb.	L 50 W 40 H 56
82A-124	Saddle	Air Power Lift, Manual Tilt	Air	435 Lb.	L 50 W 40 H 56
82A-125	Saddle	Battery Power Lift, Manual Tilt	12V, DC *	520 Lb.	L 50 W 40 H 56
82H	Jaws	Manual Lift	None	460 Lb.	L 50 W 40 H 56
82H-120	Jaws	AC Power Lift	1PH/115V/60Hz AC	460 Lb.	L 50 W 40 H 56
82H-124	Jaws	Air Power Lift	Air	435 Lb.	L 50 W 40 H 56
82H-125	Jaws	Battery Power Lift	12V, DC *	520 Lb.	L 50 W 40 H 56
82HM	Jaws	Spark Resistant, Manual Lift	None	460 Lb.	L 50 W 40 H 56
82HM-124	Jaws	Spark Resistant, Air Power Lift	Air	435 Lb.	L 50 W 40 H 56

* Includes battery and 110V AC charger for wall or shelf mount.

DRUM TRUCKS

MODEL 160 4-WHEEL DRUM TRUCK



Stands alone holding full weight of drum



Stands upright with extendible support. Extend support to secure truck and dispense.



- Move and dispense your drums with ease
- Move drum onto and off pallets
- Carries full weight of drum on 8" polyolefin wheels
- U-shaped handle protects your hands
- Stands upright for storage
- Stands alone securely to dispense
- Handle:
- 30, 55 and 85 gallon steel drum
- Most rimmed plastic and fiber drums
- 14" to 28" diameter
- 29-1/2" to 41" tall
- Capacity: 1,000 Lb. (454 kg)
- **Model 160-WP** has 10" pneumatic wheels.
- **Model 160M** has spark resistant parts.
- **Model 160-SS** is Type 304 stainless steel.

Roll drum on or off pallet



Tilt on edge of pallet



Provides leverage for precise control



DRUM CRADLES & DOLLIES

MODEL 36 CRADLE TRUCK

Easy to load with built-in retractable tipping lever.



Heavy steel welded construction. Handle: 55 gallon steel drum. Capacity: 500 Lb. (227 kg).

MODEL 14 DRUM DOLLY



You easily move 55 gallon drum on 3" MORTUF polyolefin swivel casters and wide stance base. Handle: Drum up to

23" O.D. Capacity: 1,000 Lb.

Model 14-M has spark resistant parts.

Model 14-SS is type 304 stainless steel.

Model 14-G has hot dip galvanized finish.

Model 14-30 is for 30 gallon steel drum.

MODEL 34 DRUM DOLLY



Move your drum on flat deck with four rounded corners turned up to hold drum in position. Four 3" polyolefin swivel casters. Handle: Drum up to 24" O.D. Capacity 1,000 Lb. (454 kg). **Model 34-30** is for 30 gallon drum.

MODEL 32 DRUM UPENDER

Provides leverage for moving horizontal steel drum to vertical position. Ships via UPS.



MODEL 15 CAN TIPPER



Handles one 5 gallon can or pail. Safety lock holds container.

Dispensing height is 10".

Folds for storage. **Model 15-SS** (shown

left) is Type 304 stainless steel.

MODEL 2-15

2-CAN TIPPER

(right) is for two 5 gallon cans.



MODEL 40 CRADLE TRUCK

Rugged angle iron construction. 3" (7.6 cm) MORTUF polyolefin wheels. Handle: 55 gallon steel drum. Capacity: 700 Lb. (318 kg).

Model 40-A is spark resistant aluminum.

Model 40-30 is for 30 gallon steel drum.



Model 40 shown with optional # 31 tipping lever

MODEL 31 TIPPING LEVER

Model 31 is for one person loading of heavy drum onto Model 40. Built with 40" (101.6 cm) steel tubing and malleable iron double hook.

MODEL 46 CRADLE TRUCK

Specifically designed to handle your 15 gallon (57 litre) steel drums. Rock-over loading eliminates manual lifting. Has four 3" polyolefin wheels. Capacity: 500 Lb.



MODEL 12 DRUM STAND

Holds drum 20" above floor. Welded angle iron frame, folds for easy storage. Capacity: 500 Lb.



CRADLE TRUCKS

MODEL	CAPACITY	HEIGHT TO CHINE	DRUM SIZE	TIP LEVER	SHIP WEIGHT	SHIP DIMENSIONS
36	500 Lb.	15-1/2"	55 gal.	YES	30 Lb.	L 28 W 18 H 29
40	700 Lb.	18-1/2"	55 gal.	Use # 31	32 Lb.	L 34 W 21 H 4
40-A	500 Lb.	18-1/2"	55 gal.	Use # 31	12 Lb.	L 33 W 21 H 4
40-30	700 Lb.	18-1/2"	30 gal.	Use # 31	31 Lb.	L 33 W 21 H 4
46	500 Lb.	13-3/4"	15 gal.	NO	18 Lb.	L 22 W 18 H 17
12	500 Lb.	20"	55 gal.	NO	15 Lb.	L 26 W 21 H 3

DRUM DOLLIES

MODEL	DESCRIPTION	CAPACITY	DRUM SIZE	SHIP WEIGHT	SHIP DIMENSIONS
14	Drum Dolly, Round, 55 Gallon, 23" Diameter	1,000 Lb.	55 gal.	22 Lb.	L 25 W 25 H 5
14-M	Drum Dolly, Spark Resistant	1,000 Lb.	55 gal.	22 Lb.	L 25 W 25 H 5
14-SS	Drum Dolly, Type 304 Stainless, Std Casters	1,000 Lb.	55 gal.	22 Lb.	L 25 W 25 H 5
14-G	Drum Dolly, Round, Galvanized	1,000 Lb.	55 gal.	24 Lb.	L 25 W 25 H 5
14-30	Drum Dolly, Round, 30 Gallon	1,000 Lb.	30 gal.	19 Lb.	L 25 W 25 H 5
34	Drum Dolly, Square, 55 Gallon, 24" Diameter	1,000 Lb.	55 gal.	21 Lb.	L 21 W 21 H 4
34-30	Drum Dolly, Square, 30 Gallon	1,000 Lb.	30 gal.	17 Lb.	L 21 W 21 H 4
15	Can Tipper	75 Lb.	5 gal.	9.2 Lb.	L 23 W 15 H 3
15-SS	Can Tipper, Type 304 Stainless Steel	75 Lb.	5 gal.	10 Lb.	L 23 W 15 H 3
2-15	Double Can Tipper, 5 Gallon Cans	75 Lb./Can	5 gal.	22 Lb.	L 42 W 16 H 7

DRUM TRUCKS

MODEL 125

"NO SPILL" DRUM TRUCK

- Transport your drum in stable upright position
- One person operation
- Excellent control with two 8" polyolefin roller bearing wheels and 4" swivel caster
- Handle:
 - 55 gallon (210 liter) steel drum
 - plastic or fiber drum
 - Drum diameter up to 24" (61 cm)
- Capacity: 1,200 Lb. (545 kg)



MODELS 152 AND 153 HAND TRUCKS

- Low price
- Easy to use
- Trim, strong all-steel welded construction
- **Model 152** has 10" rubber wheels
- **Model 153** has 10" Polyolefin wheels
- Handle:
 - 55 gallon (210 liter)
 - 30 gallon (114 liter)
 - 85 gallon salvage drum
- Capacity: 1,000 Lb. (454 kg)



MODEL 155

HANDSTAND DRUM TRUCK

- Stands upright for space saving storage
- Footrest provides leverage to assist you in loading drum and doubles as a support for truck
- Has 10" rubber wheels
- Handle:
 - 55 gallon (210 liter)
 - 30 gallon (114 liter)
 - 85 gallon salvage drum
- Capacity: 1,000 Lb. (454 kg)



DRUM ROTATORS

MORSE DRUM ROTATORS & TUMBLERS

Save Time and Labor

- Save labor of transferring contents and clean-up
- Prevent loss of important ingredients in unmixed sediment

Increase Safety

- Eliminate spills, splashing and contamination
- Eliminate exposure to contents

Mix in Your Closed Drums

- Remix settled ingredients to ensure homogeneity of contents
- Ideal for liquid and dry loads
- Available with choice of phase, voltage, TEFC, explosion proof or air motor
- Standard motors are 60 Hz (50 Hz also available)

456 SERIES HYDRA-LIFT ROTATORS

- Powered-tilt lifts your upright drum onto rotator
- Roll your closed drum on its side to mix contents
- Variable drum rotation speed: 5 to 20 RPM
- Overall dimensions: 69-3/8" x 35"
- Handle steel drum:
 - 6" to 26" in diameter
 - Up to 40" long
- Capacity: 1,000 Lb. liquid load, 400 Lb. dry load
- Special order custom versions for fiber or plastic drum



Load upright drum at floor level with drum truck or hoist attachment (model 90 shown). Powered system to lift drum quickly and easily onto rotator. Rotate drum at 5 to 20 RPM

HOW TO ORDER 456 SERIES

SERIES #	-	If Explosion Proof: "E"	MOTOR TYPE (1 or 3 phase AC, or Air)	-	VOLTAGE
456	-	E	1, 3 or A	-	115, 230, 460, or 575

EXAMPLE MODEL #	DESCRIPTION
456-1-115	Hydra-Lift Rotator, Single Phase, 115 Volt
456-E3-460	Hydra-Lift Rotator, Explosion Proof, 3 Phase, 460 Volt

* Explosion Proof Motors are rated for Class I Group D, and Class II Groups F and G

5154 SERIES STATIONARY ROTATORS

- Handle: Steel drum 6" to 28" diameter and up to 40" long
 - Capacity: 1,000 Lb. liquid load per drum. Dry load varies: 400 Lb. at 10 RPM, 300 Lb. at 20 RPM or 250 Lb. at 30 RPM.
- Choose factory set drum speed of 10, 20 or 30 RPM - OR - Choose **5154VS Variable Speed Series** to rotate drum at 10 to 40 RPM.



HOW TO ORDER 5154 SERIES ROTATORS

SERIES #	/	RPM	-	If Explosion Proof: "E"	MOTOR TYPE (1 or 3 phase AC, or Air)
1-5154 or 2-5154	/	10, 20 or 30	-	E	1, 3 or A
1-5154VS or 2-5154VS	-	-	-	E	1, 3 or A

EXAMPLE MODEL #	DESCRIPTION
1-5154/20-E1	1 Drum Rotator, 20 RPM, Explosion Proof, Single Phase
2-5154VS-A	2 Drum Rotator, Variable Speed, Air Motor

* Explosion Proof Motors are rated for Class I Group D, and Class II Groups F and G

1-5154 ROTATORS

- Rotate single 55 gallon drum
- Motor: 1/2 HP, 60 Hz
- Base dimensions: 24" x 55"
- Ship weight: 231 Lb.
- Ship dimensions: L 58 W 24 H 16

2-5154 ROTATORS

- Rotate two 55 gallon drums
- Motor: 1 HP, 60 Hz
- Base dimensions: 24" x 94"
- Ship weight: 445 Lb.
- Ship dimensions: L 101 W 30 H 16

Optional # 1-5-1 idler attachment (not shown) facilitates rolling 1 to 5 gallon can. It is easily removed for rolling drums.

201 SERIES PORTABLE ROTATORS Compact and Portable Drum Rotators



- Has built-in retractable tipping lever to help you load your drum onto rotator
- Rolls drum on its side
- Just 19-1/4" high for easy loading
- Utilize as drum stand
- **201VS Series** give you variable rotation speed
- **201B Series** are equipped with belts to rotate fiber drum



Operator shown using built-in retractable tipping lever to load drum from vertical position onto rotator.

Optional 1 to 5 gallon can idler attachment shown right. Part number 1-5P.



HOW TO ORDER 201 SERIES PORTABLE ROTATORS

SERIES #	/	RPM	-	If Explosion Proof: "E"	MOTOR TYPE (1 or 3 phase AC, or Air)
201 or 201B	/	10, 20 or 30	-	E	1, 3 or A
201VS or 201BVS	-	-	-	E	1, 3 or A

EXAMPLE MODEL #	DESCRIPTION
201/20-E1	Portable Rotator, 20 RPM, Explosion Proof, Single Phase
201VS-A	Portable Rotator, Variable Speed, Air Motor

* Explosion Proof Motors are rated for Class I Group D, and Class II Groups F and G

MODEL 201 SERIES PORTABLE DRUM ROTATORS

MODEL SERIES	STANDARD MOTOR	RPM	LOAD CAPACITY PER DRUM		DRUM DIAMETER	DRUM LENGTH
			LIQUID	DRY		
201/10	1/2 HP, 60 Hz	10	500 Lb.	400 Lb.	6" to 28"	Maximum 40"
201/20	1/2 HP, 60 Hz	20	500 Lb.	300 Lb.	6" to 28"	Maximum 40"
201/30	1/2 HP, 60 Hz	30	500 Lb.	250 Lb.	6" to 28"	Maximum 40"
201B/10	1/2 HP, 60 Hz	10	300 Lb.	300 Lb.	16" to 23"	Maximum 35"
201B/20	1/2 HP, 60 Hz	20	300 Lb.	300 Lb.	16" to 23"	Maximum 35"
201B/30	1/2 HP, 60 Hz	30	300 Lb.	250 Lb.	16" to 23"	Maximum 35"
201VS	1/2 HP, 60 Hz	Variable 10 - 24	500 Lb.	400 Lb. at 10 RPM 250 Lb. at 24 RPM	6" to 28"	Maximum 40"
201BVS	1/2 HP, 60 Hz	Variable 10 - 24	300 Lb.	300 Lb. at 10 RPM 250 Lb. at 24 RPM	16" to 23"	Maximum 35"

DRUM TUMBLERS

310 SERIES TILT-TO-LOAD ROTATOR

- Powered-tilt to lift your drum from floor level to rotate position
- Rotate your plastic, steel or fiber drum with one machine
- Thorough "Corner-Over-Corner" mixing action

- Load upright drum easily at floor level
- Rotate closed drum at: 5 to 20 RPM
- AC Motor: 2 HP, 60 Hz

- Handle:
 - Steel, plastic or fiber drum
 - 29" to 37" high
 - 18" to 23-1/2" diameter
- Capacity: 800 Lb. (363 kg)
- Ship weight: Approx. 1120 Lb.
- Ship Dimensions: L 77 W 55 H 59
- Overall dimensions with 55 gallon steel drum raised: L 74" x H 54"



Model 310-A shown

HOW TO ORDER 310 SERIES					
SERIES #	-	If Explosion Proof: "E"	MOTOR TYPE (1 or 3 phase AC, or Air)	-	VOLTAGE
310	-	E	1, 3 or A	-	115, 230, or 460
EXAMPLE MODEL #	DESCRIPTION				
310-1-115	Tilt-To-Load Rotator, Single Phase, 115 Volt				
310-E3-460	Tilt-To-Load Rotator, Explosion Proof, 3 Phase, 460 Volt				

Explosion Proof Motors are rated for Class I Group D, and Class II Groups F and G



Quickly load upright drum into rotator with drum truck (Model 160-WP shown left) or hoist attachment (Model 92 shown right).

300 SERIES END-OVER-END ROTATORS

- End-Over-End tumbling provides thorough mixing action, especially for very viscous substances
- Ideal for dry powders, wet grains, dyes, coloring liquids, fine and coarse granules and settled liquids
- Puts valuable ingredients back into suspension to leave drum cleaner
- Built to stand up to the stresses and loads of end-over-end tumbling
- Rotation speed: 13 RPM
- Air motor and controls available for hazardous areas
- Model 41 Lifting Hook included for loading
- Handle: 55 gallon (210 liter) steel drum
- Capacity: 800 Lb. (363 kg) per drum

1-300 ROTATORS

- Rotate single 55 gallon steel drum
- Base dimensions: 30" x 54"
- Motor: 1 HP, 60 Hz
- Ship weight: 585 Lb.
- Ship dimensions: L 65 W 38 H 40



Model 1-300-1-115 shown

2-300 ROTATORS

- Rotate two 55 gallon steel drums
- Base dimensions: 30" x 88"
- Motor: 1-1/2 HP, 60 Hz
- Ship weight: 1050 Lb.
- Ship dimensions: L 105 W 38 H 40



Model 2-300-1-115 shown



MODEL 300LC
Optional loading crane designed to load and unload drum if hoist is not available.

HOW TO ORDER 300 SERIES					
SERIES #	-	If Explosion Proof: "E"	MOTOR TYPE (1 or 3 phase AC, or Air)	-	VOLTAGE
1-300	-	E	1, 3 or A	-	115, 230, 460 or 575
2-300	-	E	1, 3 or A	-	115, 230, 460 or 575
EXAMPLE MODEL #	DESCRIPTION				
1-300-1-115	Single Drum End-Over-End Rotator, Single Phase, 115 Volt				
2-300-E3-460	Two Drum End-Over-End Rotator, Explosion Proof, 3 Phase, 460 Volt				

Explosion Proof Motors are rated for Class I Group D, and Class II Groups F and G

305 SERIES CAN TUMBLERS Mix in 1 to 5 Gallon Cans

- Mix inside your closed 1 to 5 gallon cans
- Quick and economical
- Thorough "Corner-Over-Corner" mixing
- Blend or agitate liquid or dry loads
- Tumble parts with media to polish or deburr
- Rotation: 23 RPM continuous in one direction. Does not shake or oscillate.
- Motor: 1/4 HP, 60 Hz
- Air motor available for hazardous areas
- Timer for 0 to 60 minutes included on single phase/115V models only
- Base dimensions: 28" x 28"
- Handle:
 - 1 to 5 gallon cans or pails
 - 4-1/2" to 16-1/2" tall
 - Up to 12-1/2" diameter
- Capacity: 100 Lb. (45 kg) per can

Note: OSHA requires ALL rotators to have enclosure interlocked with drive mechanism, so drum cannot revolve unless guard is in place.



Model 1-305-1 shown

1-305 CAN TUMBLERS

- Rotate single 1 to 5 gallon can
- Ship weight: 180 Lb.
- Ship dimensions: L 45 W 33 H 23

2-305 CAN TUMBLERS

- Rotate two 1 to 5 gallon cans
- Ship weight: 205 Lb.
- Ship dimensions: L 45 W 33 H 23



Model 2-305-1 shown

HOW TO ORDER 305 SERIES					
Series #	-	If Explosion Proof: "E"	Motor Type (1 or 3 phase AC, or Air)	-	Voltage
1-305	-	E	1, 3 or A	-	115, 230, 460 or 575
2-305	-	E	1, 3 or A	-	115, 230, 460 or 575
Example Model #	Description				
1-305-1	Single Can Tumbler, Single Phase, 115 Volt				
2-305-E3	Two Can Tumbler, Explosion Proof, 3 Phase, 230/460 Volt				

Explosion Proof Motors are rated for Class I Group D, and Class II Groups F and G

DRUM CONES

- Replace your drum top with a **Drum Cone** to control dispensing
- Pour powdered or granulated dry material
- Use on your open-head steel drum or fiber drum
- Available with Slide Gate, Iris Valve or without any valve
- 6" Dispensing Opening, 45 or 60 degree Taper
- Carbon steel cones and stainless steel cones available
- Order **Clamp Collar** to secure cone in position on drum



Model 5-SG-45-22.5 Cone, Slide Gate, 45° taper for 22.5" I.D. drum
Model 7-22.5 Clamp Collar for 22.5" I.D. drum

HOW TO ORDER CONES							
SERIES #	STAINLESS STEEL	-	VALVE TYPE	-	TAPER	-	DRUM I.D.
5	SS	-	SG or IV	-	45 or 60	-	23, 22.5, 21.5, 20, 18.5, 17, or 15.5
Examples	Cones for standard 55 gallon steel drum:						
	Model 5-SG-45-22.5 has Slide Gate & 45 degree taper						
	Model 5-IV-60-22.5 has Iris Valve & 60 degree taper						
	Model # 5SS-SG-45-21.5 Stainless Steel Cone, Slide Gate, 45 degree taper for 21.5" I.D. drum						
	Model # 5-IV-60-23 Cone with Iris Valve, 60 degree taper for 23" I.D. drum						
Model # 5-60-15.5 Cone with NO Valve, 60 degree taper for 15.5" I.D. drum							

HOW TO ORDER CLAMP COLLARS			
SERIES #	STAINLESS STEEL	-	DRUM I.D.
7	SS	-	23, 22.5, 21.5, 20, 18.5, 17, or 15.5
Examples	Clamp Collar for standard 55 gallon steel drum:		
	Model 7-22.5 is for 22.5" I.D. drum		
	Model # 7SS-23 Stainless Steel Clamp Collar for 23" I.D. drum		
	Model # 7-17 Clamp Collar for 17" I.D. drum		

MORSE

Manufacturing Co., Inc.

727 West Manlius St.
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 East Syracuse, NY 13057-0518

Phone: 315-437-8475
 Fax: 315-437-1029
 Email: nicepeople@morsemfgco.com

Web Site: www.MORSEmfgco.com

Your Morse Dealer is:

DRUM WRENCHES



Model 59 MORplug Bung Wrench has numerous surfaces and shapes to fit virtually all your drum plugs on steel, fiber or plastic drum. Generous size for extra leverage and hand clearance. Durable solid ductile iron construction. Use with drums of nonflammable materials. Economical **Model 59SRZ** is made of spark resistant high strength zinc aluminum alloy.



Model 59SRM is made of spark resistant manganese bronze... a precaution when handling drums of flammable material. Has high ultimate strength and extra elasticity.

DRUM FAUCETS



Model 62-5



Model 65-20



Model 68-20

Model 62-5 Safety Faucet for dispensing flammable or nonflammable liquids. Built-in flame arrestor. Factory Mutual approved. Brass plated body. Steel handle may be padlocked closed. 3/4" pipe thread. Do not use with acids, high alkalines or chlorinated solvents. **Model 60D Self Closing Faucet** is similar to Model 62-5, but for nonflammable liquids only. Zinc finish.

Molasses Gate Faucets for viscous liquids. Grey iron with brass sliding plate. **Model 65-20** for 2" pipe thread size. **Model 65-75** for 3/4" thread size. **Model 68-20 and 68-75 Polyethylene Faucets.** All polyethylene construction is ideal for use with nonflammable, corrosive liquids. Fast half turn on/off. Stays open until shut off. Use Model 68-20 (2" size) for thick, viscous liquids. Use Model 68-75 (3/4" size) for thin liquids.

DRUM PUMPS



Dispense liquids from your drum with these inexpensive Hand Pumps for high volume. The self priming piston pumps on forward and back strokes (double-action) to yield a gallon in fewer than 5 cycles.

- **26 and 27 Series** are generally for liquids in an acidity/alkalinity range of pH 4 to 9
- **28 Series** pump is for a wider pH range

Use these pumps with compatible chemicals at temperatures up to 80° F and having maximum viscosity of 2,000 SSU. Check chemical compatibility for each liquid by chemical name. See Morse website for advice on specific liquids by chemical name, if not shown in chart. It is the user's responsibility to take appropriate safety and protective measures with hazardous chemicals. Specifications are subject to change without notice.

MODELS 26, 27 and 28 DRUM PUMPS						
MODEL #	MATERIAL	O-RING MATERIAL	GASKET MATERIAL	HOSE MATERIAL	SUCTION TUBE	COMPATIBLE LIQUIDS (General Guide)
26	Polyester	Viton	Cork-nitrile	PVC	Polyester	Petroleum products, lube oils
27-1AE	Polyester	EPDM	EPDM	EPDM	Polyester	Methyl alcohol, ethyl alcohol
27-4AV	Polyester	Viton	Viton	Cross linked polyethylene	Polyester	Some naphthas, some aromatics
28-5BV	Ryton	Viton	Viton	Cross linked polyethylene	Teflon	Some chlorinated solvents, acids, aromatics, xylene
28-6BE	Ryton	EPDM	EPDM	EPDM	Teflon	Some acids, caustics, ketones, acetates

DRUM HEATER

Use **Model 710 Heater** only on metal drum to reliably heat, preheat, melt, prevent freezing, control viscosity, promote flow and dissolution. The 4" wide band fits 55 gal. metal drum. 1500 watts. Cord/plug for 120V power. Not for flammables or explosion hazard areas.

