

- **SAVE TIME, LABOR AND MONEY**
- **ELIMINATE TRANSFER, CLEAN-UP, SPECIAL VESSELS AND APPARATUS**
- **ENSURE HOMOGENEITY**
- **CAPACITY PER DRUM: 1,000 LB. LIQUID LOAD. DRY LOAD VARIES: 400 LB. AT 10 RPM, 300 LB. AT 20 RPM OR 250 LB. AT 30 RPM**

## SINGLE DRUM ROLLERS

Handle: Single steel drum 6" to 28" diameter and up to 40" long. Special models available for rolling plastic or fiber drum.

Motor: 1/2 HP, 60 Hz. Base Dimensions: 24" x 55" (61 cm x 140 cm).

Ship Dimensions: L 58" W 24" H 16".

### 1-5154 SERIES FIXED SPEED ROLLERS

The powerful 1/2 HP motor drives an efficient worm gear reducer connected to a solid 1" (2.54 cm) diameter shaft to turn four 6" (15.2 cm) diameter neoprene drive wheels. The four idler wheels turn freely on roller bearings. Drum rolling speed of 20 RPM is good for most liquids and is often used for paint, etc. Customer may choose factory set drum rotation speed of 10, 20 or 30 RPM. 20 RPM will be furnished unless otherwise specified on the order.



Model 1-5154/20-3 shown  
(Single Drum 20 RPM 3-Phase)

### 1-5154VS SERIES VARIABLE SPEED ROLLERS

Manual control provides any drum speed from 10 to 40 RPM. Find the best speed for each material. Some use high speed for initial mixing and low speed for prolonged agitation. Ideal for experimental use or where there is a variety of materials to be handled.



Model 1-5154VS-1 shown  
(Single Drum Variable-Speed Single Phase)

## SINGLE AND DOUBLE DRUM ROLLERS

**ROTATE VARIOUS DRUM SIZES:** A simple three-bolt attachment feature enables the user to relocate the idler wheel shaft assembly for drum diameter adjustments. Set screws at each wheel permit easy repositioning to support various length drums. See chart on side two of this sheet.

**GROUNDING STRAP:** Spring steel grounding straps are standard at every drum position to help drain possible static charge from drums.

**MOTOR SELECTION:** The basic motor is a three phase, 230/460 V, 60Hz, TEFC motor. Other motor voltages, phases, enclosure types, etc. (for example: Explosion Proof) or air motors are available, some at extra cost. Motor controls are not included with the basic machines. Users should procure and install motor controls according to their preferences and any applicable electric codes. Air motors are vane-type and require correctly sized filter, regulator, lubricator, valve and piping.

**OPTIONAL 1-5 GALLON IDLER ATTACHMENT** (not shown): Facilitates rolling cylindrical cans of 1 to 5 gallons (3.8 to 18.9 liters). Easily removed for rolling drums.

**WHEN ORDERING:** Specify your choice of drum rolling speed, motor type, voltage, phase, etc.

## CLOSED DRUMS MEAN LESS HAZARDS

Using a Drum Rotator eliminates spillage, splashing of dangerous contents on workers, and the risk of contamination. A Morse Drum Rotator could be the solution to a problem in your plant.

## OWNERS KEEP COMING UP WITH NEW USES!

"We use them on production mixing paints."

"It remixes solids which have settled out. The material is made homogenous before removing it from the shipping drum."

"Sediment is thoroughly remixed, eliminating buildup in the bottom of the drum."

"You don't lose important ingredients."

## DOUBLE DRUM ROLLERS

Handle: One or two steel drums 6" to 28" diameter and up to 36" long. Special models available for rolling plastic or fiber drum.

Motor: 1 HP, 60 Hz. Base Dimensions: 24" x 94" (61 cm x 234 cm).

Ship Dimensions: L 101" W 30" H 16".

### 2-5154 SERIES FIXED SPEED ROLLERS



Model 2-5154/20-3 shown  
(2-Drum 20 RPM 3-Phase)

With twice the capacity, the heavy duty 1 HP motor drives an efficient gear reducer connected to a 1"(2.54 cm) diameter shaft operating eight 6" (15.2 cm) diameter neoprene drive wheels. There are four roller bearing idler wheels for each drum position. Choose factory fixed drum speed of 10, 20, or 30 RPM, with load capacities per drum as shown for Model 1-5154.

### 2-5154VS SERIES VARIABLE SPEED ROLLERS

This model is specially designed to rotate two drums simultaneously at any speed from 10 to 40 RPM.

## HOW TO ORDER 5154 SERIES DRUM ROLLERS

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



Model 405-114 Omni-Lift  
Drum Racker shown  
Lifting drum onto Model  
1-5154/20-1 Drum Roller

**RECOMMENDED LOADING METHODS:** Overhead lifting equipment and the MORSE Model 41 Drum Lifting Hook or Model 42 Drum Lifter are recommended for efficient loading and unloading.

Model 405 Omni-Lift Karrier can place 55 gallon steel drums on 1-5154 or 1-5154VS. Model 405 cannot load both drums onto 2-5154 type because the motor obstructs access to one end.

## OTHER MORSE PRODUCTS FOR MIXING CLOSED DRUMS

**NEW!**



### 310 SERIES TILT-TO-LOAD ROTATORS

Efficient corner-over-corner mixing action. Easy floor level loading and unloading with power-tilting feature. Uses hydraulics to lift and rotate drum.



### 1-300 SERIES ENDOVER ROTATORS

End-over-end tumbling action does a thorough mixing job. Use for materials such as dry powders, wet grains, settled liquids, fine and coarse granules, and viscous liquids. Puts valuable ingredients back into suspension. Leaves drums cleaner. Also available for two drums as 2-300 Series.



### 201 SERIES PORTABLE ROLLERS

Compact, portable mixer and drain stand rolls closed drum to agitate contents. Easy loading and unloading with built-in tipping bar. Contents may be dispensed. Reduces loss of ingredients. Since the drum is closed, there is no worker exposure and less clean-up.



### 456 SERIES HYDRA-LIFT ROLLERS

Makes drum loading simple and easy. Load vertical drum at floor level (see below). Lift fully loaded drum hydraulically from upright position, lay it down horizontally, roll as desired, then return it to upright, all by powered control. Complete with controls.



MADE  
IN  
U.S.A.



### 305 SERIES CAN TUMBLERS

The cans are held at an angle to the rotation axis resulting in a thorough "corner-over-corner" mixing action. Accepts a range of can sizes.

## MORSE ROTATOR SPECIFICATIONS

MODEL SERIES	MOTOR HP	SPEED CHOICES DRUM RPM	LOAD CAPACITY PER DRUM (LB.)			DRUM SIZE RANGE		APPROX. SHIP WT. (LB.)	ACCEPT 1-5 GAL. IDLER
			LIQUID	DRY	AT RPM	DIAMETER	LENGTH		
201	1/2	10, 20 or 30*	500	400 300 250	10 20 30	6" - 28"	Max. 40"	176	1-5P
201B	1/2	10, 20 or 30*	300	300 250	10 or 20 30	16" - 23"	Max. 35"	202	NO
201VS	1/2	Variable 10 to 24	500	400 250	10 24	6" - 28"	Max. 40"	178	1-5P
201BVS	1/2	Variable 10 to 24	300	300 250	10 24	16" - 23"	Max. 35"	178	NO
1-5154	1/2	10, 20 or 30*	1,000	400 300 250	10 20 30	6"-28"	Max. 40"	263	1-5-1
1-5154VS	1/2	Variable 10 to 40*	1,000	Same as 1-5154 also 200	40	6"-28"	Max. 40"	303	1-5-1
2-5154	1	10, 20 or 30*	1,000	Same as 1-5154		6"-28"	Max. 36"	445	1-5-2
2-5154VS	1	Variable 10 to 40*	1,000	Same as 1-5154 also 200	40	6"-28"	Max. 36"	495	1-5-2
1-300	1	13	800	800	13	22-1/2"	Max. 36"	634	NO
2-300	1-1/2	13	800	800	13	22-1/2"	Max. 36"	975	NO
1-305	1/4	23	100	100	23	Max. 12-1/2"	4-1/2" - 16-1/2"	175	NO
2-305	1/4	23	100	100	23	Max. 12-1/2"	4-1/2" - 16-1/2"	205	NO
456	1	Variable 5 to 20*	1,000	400 400	5 20	6" - 26"	Max. 40"	600	1-5-1
310	2	Variable 5 to 20	800 FULL DRUM 400 HALF-FULL DRUM			18" - 23-1/2"	29" - 37"	1121	NO

\* Based on 22-1/2" diameter 55 gallon drum. Fixed speed models will be furnished with 20 RPM unless otherwise shown on the order.

Install **Morse Rotators** in accordance with OSHA requirements for enclosure and interlock, etc. For OSHA compliance, see OSHA subpart O.1910.212 "General Requirements for all Machines." Power connections and motor controls must comply with applicable codes.

MORSE MFG. CO., INC.

Please contact your Morse dealer:



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