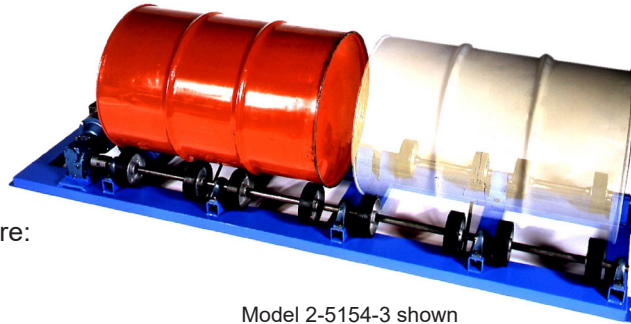


Double Stationary Drum Rollers

- Save time, labor and money
- Blend ingredients right inside a sealed drum
- Eliminate transfer, clean-up, special vessels and apparatus
- Ensure Homogeneity
- Maximum ambient operating temperature: 140° F (60° C)



Model 2-5154-3 shown
rolls 1 or 2 drums

OSHA Requires
Enclosure with
Safety Interlock.
See page 4

Variable Speed Control Packages Available for Model 2-5154-3

Rotate drums at any speed from 1 to 30 RPM. Find the best speed for each material. Some use high speed for initial mixing and low speed for prolonged agitation. Variable speed drum rollers are ideal for experimental use or where there is a variety of materials to be handled.

Variable speed packages are not available for explosion-proof drum rollers.

Capacity per drum:

Liquid load: 1000 Lb. (455 kg)
Dry Load: 300 Lb. (136 kg)

A shifting dry load exerts greater stress on the drum roller than the fluid motion of a liquid load.

Fixed Speed Drum Rollers

Designed to rotate one drum at factory fixed drum speed of 20 RPM (16 RPM for 50Hz models), based on 22.5" (57 cm) diameter drum. Drum rolling speed of 20 RPM is good for most liquids... often used for paint, etc.

Capacity per drum:

Liquid load: 1,000 Lb. (455 kg)
Dry load: 300 Lb. (136 kg)

ROTATE VARIOUS DRUM SIZES: Designed to roll a steel drum 6" to 28" (15 to 71 cm) diameter and up to 40" (102 cm) long.

The idler wheel assembly can be moved closer to the drive shaft for various drum diameters. Set screws at each wheel permit easy repositioning to support various length drums.

MOTOR SELECTION: The powerful 1 HP motor drives an efficient worm gear reducer connected to a solid 1" (2.54 cm) diameter shaft to turn eight 6" (15.2 cm) diameter neoprene drive wheels. There are four roller bearing wheels for each drum position.

The basic motor is a three phase, 230/460V, 60Hz, inverter duty motor. Explosion-Proof and air motors are also available. **Motor controls are not included with the basic machines.** Standard Stationary Drum Rollers are shipped without control, cord and plug and must be installed by an electrician according to local codes and customer's preference.

Morse Control Packages sold separately - see page 3.

Morse Guard Enclosure Kits with Safety Interlock sold separately - see page 4.

GROUNDING STRAP: Spring steel grounding straps are standard to help drain possible static charge from drum.

DIMENSIONS: Base Dimensions: 24" x 91" (61 x 231 cm)

Loading Method



Get a drum horizontal with Morse [model 160 4-Wheel Drum Truck](#). Then lift it with Morse [model 41 Drum Lifting Hook](#).



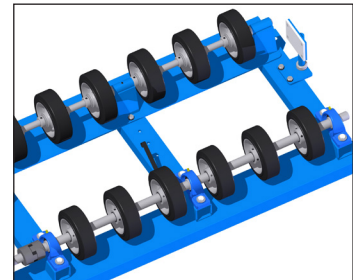
Use your hoist or crane and Morse [model 41 Drum Lifting Hook](#) to load drums onto the drum roller.

Options

ROLL PLASTIC DRUMS:
Option # POLY-2-5154 Factory Installed
Kit # POLY-2-5154FI for you to install

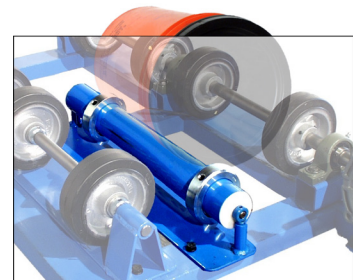
Install this option to roll plastic drums on stationary drum roller. Includes extra wheels to support flexible soft-sided plastic drum, and end stop to prevent drum from traveling lengthways.

NOTE: This is **NOT** a drum roller by itself. It is an OPTION to install on a Morse Drum Roller.



ROLL 5-GALLON PAILS:
Option # 1-5-2 - Idler Attachment to facilitate rolling a pair of 1 to 5 gallon size (3.8 to 18.9 liters) cylindrical cans or pails. Rolls a 5-gallon can at approximately double the RPM of a 55-gallon drum. It is easily removed to return to rolling drums.

Option # 1-5-1 - Idler Attachment to roll just one 5-gallon can or pail.



MADE IN USA

| Stationary Drum Rollers | | | | | | | Control Packages See Page 3 | Guard Enclosure Kits See Page 4 | |
|-------------------------|--|----------------------------|----|-------|---------------|----------|--|------------------------------------|---------------|
| Model # | Drum RPM (22.5" Dia.) | Motor Information | | | | | Option # | Option # | |
| | | Motor Style | HP | Phase | Motor Voltage | Amp Draw | | | |
| 2-5154-1 | 20 | 60Hz TEFC | 1 | 1 | 115 | 12.8 | 5996-P 5997-P | Fixed Speed | GEK-2-5154-1 |
| | | | | | 208 | 7.0 | | | |
| | | | | | 230 | 6.4 | | | |
| 2-5154-3 | 20 RPM or Add Morse Control Package for 1 to 30 RPM Variable Speed | 60Hz Inverter duty | 1 | 3 | 230 | 2.8 | CP-2-5154-1-115 * CP-2-5154-1-230 * CP-2-5154-3-230 * CP-2-5154-3-460 * | Variable Speed | GEK-2-5154-3 |
| | | | | | 230 | 2.8 | | | |
| | | | | | 230 | 2.8 | | | |
| | | | | | 460 | 1.4 | | | |
| 2-5154-E1 | 20 | 60Hz Explosion proof ** | 1 | 1 | 115 | 13 | CP-2-5154-E1-115 * CP-2-5154-E1-230 * | Fixed Speed | GEK-2-5154-E1 |
| | | | | 230 | 6.5 | | | | |
| 2-5154-E1-50 | 16 | 50Hz Explosion proof ** | 1 | 1 | 220 | 6.2 | CP-2-5154-E1-220-50 * | | GEK-2-5154-E1 |
| 2-5154-E3 | 20 | 60Hz Explosion proof ** | 1 | 3 | 208 | 3.1 | CP-2-5154-E3-208 * CP-2-5154-E3-230 * CP-2-5154-E3-460 * | Fixed Speed | GEK-2-5154-E3 |
| | | | | | 230 | 3.0 | | | |
| | | | | | 460 | 1.5 | | | |
| 2-5154-E3-50 | 16 | 50Hz Explosion proof ** | 1 | 3 | 230 | 3.5 | CP-2-5154-E3-230-50 * CP-2-5154-E3-400-50 * | | GEK-2-5154-E3 |
| | | | | | 400 | 2.0 | | | |
| 2-5154-E3-575 | 20 | 60Hz Explosion proof ** | 1 | 3 | 575 | 1.2 | CP-2-5154-E3-575 * | | GEK-2-5154-E3 |
| 2-5154-A | 20 Vary with air flow & pressure | Air Motor *** | - | - | - | - | Air Controls are included with model 2-5154-A *** | | GEK-2-5154-A |

* ONLY NON-Explosion Proof AC Control Packages include a pre-wired control box. Models with explosion proof Control Packages have no wiring from the NEMA 7/9 control box to the motor. Please consult an electrician to complete the wiring in accordance to your local code.

** Explosion Proof motors are rated for Class I Group D, and Class II Groups F and G. Variable speed models are NOT available for hazardous areas.

*** Air powered model requires plant air at 40 to 60 psi and flowing at a rate of 40 scfm. Filter, Regulator, Lubricator and valve are included with drum roller model 2-5154-A.

| Crates for Export | |
|-------------------|--|
| Export Crate # | Description |
| 1708X-P | Fully Enclosed Crate for Export of (1) Drum Roller |
| | Fully Enclosed Crate for Export of (1) Drum Roller and (1) Control Package |
| 4463X-P | Fully Enclosed Crate for Export of (1) Guard Enclosure Kit |

Control Packages (Sold Separately)

Control Mast and the appropriate Control Box for each model. Use power controls to start and stop drum rolling. Position the control mast outside the Safety Enclosure on either the left or right side, or at the back of Drum Roller.

Control Mast and AC Control Box for Model 2-5154-1 or 2-5154-1 NEMA 4/12 for NON-Hazardous Areas

Includes Control Mast and Control Box with:

- Fixed Drum Rotation Speed at 20 RPM
- Timer adjusts from a few seconds to 16 hours
- Start and Stop Buttons
- Red Emergency Stop Button
- Lockable Main Disconnect to shut off and lock out power to the unit
- Wire terminals for external connection of safety interlock switch



Control Mast and AC Control Box for Model 2-5154-3 or 2-5154-3 NEMA 4/12 for NON-Hazardous Areas

Includes Control Box with:

- Variable Speed Drum Rotation from 1 to 30 RPM
- Timer adjusts from a few seconds to 16 hours
- Start and Stop Buttons
- Red Emergency Stop Button
- Lockable Main Disconnect to shut off and lock out power to the unit
- Wire terminals for external connection of safety interlock switch



Control Mast and Explosion Proof AC Control Box NEMA 7/9 for Hazardous Areas

Includes Control Mast and Explosion-Proof Control Box with:

- Fixed Drum Rotation Speed at 20 RPM (16 RPM on 50Hz models)
- Start and Stop Buttons
- Wire terminals for external connection of safety interlock switch



Control Mast and Air Controls are Included with Model 2-5154-A

Air Controls Include

- Filter, Regulator and Lubricator (FRL)
- On / Off Valve



| Control Package # | Description | Minimum Power Supply Required | Power Supply | Drum RPM (22.5" Dia.) | Capacity Per Drum |
|-----------------------|--|-------------------------------|-------------------|-------------------------|--|
| 5996-P | Control Package for 2-5154-1 | 20 Amp | 1-Phase 115V 60Hz | 20 RPM | Liquid Load: 1000 Lb. (455 kg) Dry Load: 300 Lb. (136 kg) |
| 5997-P | Control Package for 2-5154-1 | 15 Amp | 1-Phase 230V 60Hz | | |
| CP-2-5154-1-115 * | Control Package for 2-5154-3 | 20 Amp | 1-Phase 115V 60Hz | Variable 1 to 30 RPM | Liquid Load: 1000 Lb. (455 kg) Dry Load: 300 Lb. (136 kg) |
| CP-2-5154-1-230 * | Control Package for 2-5154-3 | 15 Amp | 1-Phase 230V 60Hz | | |
| CP-2-5154-3-230 * | Control Package for 2-5154-3 | 15 Amp | 3-Phase 230V 60Hz | | |
| CP-2-5154-3-460 * | Control Package for 2-5154-3 | 10 Amp | 3-Phase 460V 60Hz | 20 RPM | Liquid Load: 1000 Lb. (455 kg) Dry Load: 300 Lb. (136 kg) |
| CP-2-5154-E1-115 * | Control Package for 2-5154-E1, Explosion-Proof | 20 Amp | 1-Phase 115V 60Hz | | |
| CP-2-5154-E1-230 * | Control Package for 2-5154-E1, Explosion-Proof | 15 Amp | 1-Phase 230V 60Hz | | |
| CP-2-5154-E3-208 * | Control Package for 2-5154-E3, Explosion-Proof | 15 Amp | 3-Phase 208V 60Hz | | |
| CP-2-5154-E3-230 * | Control Package for 2-5154-E3, Explosion-Proof | 15 Amp | 3-Phase 230V 60Hz | | |
| CP-2-5154-E3-460 * | Control Package for 2-5154-E3, Explosion-Proof | 10 Amp | 3-Phase 460V 60Hz | | |
| CP-2-5154-E3-575 * | Control Package for 2-5154-E3-575, Explosion-Proof | 10 Amp | 3-Phase 575V 60Hz | 16 RPM | Liquid Load: 1000 Lb. (455 kg) Dry Load: 300 Lb. (136 kg) |
| CP-2-5154-E1-220-50 * | Control Package for 2-5154-E1-50, Explosion-Proof | 15 Amp | 1-Phase 220V 50Hz | | |
| CP-2-5154-E3-230-50 * | Control Package for 2-5154-E3-50, Explosion-Proof | 15 Amp | 3-Phase 230V 50Hz | | |
| CP-2-5154-E3-400-50 * | Control Package for 2-5154-E3-50, Explosion-Proof | 10 Amp | 3-Phase 400V 50Hz | | |

MADE
IN
USA

Guard Enclosure Kits with Safety Interlock

Comply with OSHA Requirements with a Morse Guard Enclosure Kit (Sold Separately)

Guard Enclosures for Morse Stationary Drum Rollers have a safety interlock to automatically shut off the drum roller when the gate is opened. Open the enclosure gate, place your drum onto the drum roller, then close the gate to allow operation. Connections are included for air powered model only. Control Package options provide controls and connections for AC models.

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

door is opened. Power connections and motor controls must also comply with applicable local codes.

For OSHA compliance in the USA, see OSHA subpart O.1910.212(a)(4) "Barrels, containers, and drums. Revolving drums, barrels, and containers shall be guarded by an enclosure which is interlocked with the drive mechanism, so that the barrel, drum, or container cannot revolve unless the guard enclosure is in place."

All Morse Control Packages (see page 3) include a low-voltage transformer and wire terminals required to connect the external safety interlock switch of these Guard Enclosure Kits. Morse Control Packages and Enclosures meet OSHA regulations ONLY when installed properly with safety interlock.

| Guard Enclosure Kit # | Description | Gate Switch |
|-----------------------|--|-------------|
| GEK-2-5154-1 | Fits Double Stationary Drum Roller with 1-phase electric motor | AC |
| GEK-2-5154-3 | Fits Double Stationary Drum Roller with 3-phase electric motor | AC |
| GEK-2-5154-E1 | Fits Double Stationary Drum Roller with Explosion-proof 1-phase electric motor | AC |
| GEK-2-5154-E3 | Fits Double Stationary Drum Roller with Explosion-proof 3-phase electric motor | AC |
| GEK-2-5154-A | Fits Double Stationary Drum Roller with Air motor | AIR |

