

# DRUM-MATES® Drum Mixers

High efficiency mixers for better quality control & lower mixing costs...



## Benefits

This high efficiency mixer design ensures thorough blending of layered or sedimented solutions and virtually eliminates aeration or cavitation. These unique mixers are used for a greater range of viscosities and applications than other types of drum mixers. The multi-level, auto-open-close, SwingWing™ turbine blades are effective at any Rpm. The fully adjustable impellers can be locked down or removed, letting you set up the mixer just the way you want. A wide range of mixing patterns from low impact, eddy wave stirring up to a high shear, homogenizing effect can be easily selected.

## Features

DRUM-MATES® multi-tier mixers fit through standard 2" NPT bungholes in all drum sizes and types with good container wall clearance. Models come in stainless steel and zinc plated steel and in 3 shaft sizes for mixing liquids in most drum and tote or tank sizes and types. Mixer blades are available in 6" and 10" widths to handle a wider range of applications and liquid viscosities.

A variety of drum mixer drives are supplied. They are air operated and explosion proof if operated with the DM-166GWK ground wire kit.

(See DRUM-MATES® Mixer Accessories data sheet)

## Common Mixing Applications

- Fast reconditioning of separated or stratified liquids into a uniform compound
  - Quick break up and dispersal of bottom sediments into a smooth mixture
  - Slow eddy wave stirring of sensitive materials to prevent foaming & oxidation
  - In-drum mixing for manufacturing of liquid-liquid or powder-liquid ingredients
  - High shear, high agitation mixing creating an homogenizing effect
  - Continuous stirring to maintain suspensions while emptying a container
  - Quick dilution of chemical concentrates or liquid base solutions
- and other tasks too numerous to mention ...

**Note:** For easy Pick 'n' Match, mixer shafts, drives & accessories are sold separately.

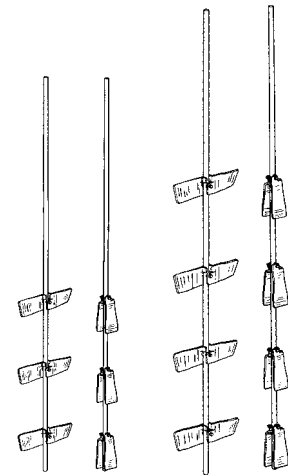


Fig. 1

Fig. 2

## Drum & Pail Mixer Shaft Specifications\*

(For more information, see mixer drive & accessories data sheets)

| Fig. No. | Drum & Pail Mixers<br>Stainless Steel | Drum & Pail Mixers<br>Zinc Plated Steel | Mix Capacity<br>(Gallons) | Bung<br>Capacity | Mixer Shaft Dimensions<br>diameter x length x # tiers |
|----------|---------------------------------------|-----------------------------------------|---------------------------|------------------|-------------------------------------------------------|
| #1       | DM-05SSM                              | DM-05ZPM                                | 1 – 25                    | 1.5"             | 3/8" x 28" x 3 tiers                                  |
| #2       | DM-55SSM                              | DM-55ZPM                                | 30 – 200                  | 2.0"             | 1/2" x 36" x 4 tiers                                  |

**NOTE:** For mixer drive illustrations and information, see the "Drum Mixer drive" data sheet.  
For Tote mixing applications, ask for DRUM-MATES® tote and tank mixer data sheets.

## 5 Gal. Pail Mixing Kit • 3 Step, Mixing Control System

Perforate drum lid with DM-05HCO perforator, (cuts 1½" hole); mix through bung hole with DM-05SSM; seal with DM-05PSP poly plug for storage or shipment. DM-45ADH mixer air drive optional. Weight: 13 lbs.

Part # **DM-05PMK**



#1 Cut Hole



#2 Mix drum



#3 Plug Hole



Ask for literature on DRUM-MATES® drum & IBC mixers, drum tumblers, drum/IBC pumps & hand nozzles. DRUM-MATES® equipment assemblies are provided as separate components each sold on a separate basis. DRUM-MATES® Inc., Drum Mixer & Pump Div., Tel: 1-800-621-3786 and 609-261-1033, Fax: 609-261-1034