

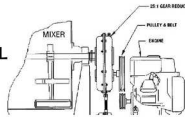
# CROWN'S EXCLUSIVE GEAR BOX



### ADVANTAGES

- No 6 : 1 reduced engine required
  - Belts and pulleys turn 6 times faster while eliminating belt slippage
- Mixers and engines are less expensive because:
  - No built in gear reducer
  - Less horsepower required
- Totally enclosed gears
  - Safer for operator
  - Better lubricated than open gears, less heat and gear wear
  - Quieter running mixer
  - No opportunity for gear teeth to be broken by aggregate falling between gears
- Solid engine mount – Gear reducer and belts used as clutch
  - No unnecessary engine abuse
  - No need for expensive internal clutches
- Our exclusive gear box comes standard on ALL Crown mortar mixers

CROWN GEAR BOX



## COMPETITOR'S SYSTEMS

### DIRECT DRIVE



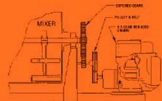
#### DISADVANTAGES

- Higher initial purchase price
- More time and expense involved in repairs and maintenance
- Only available on larger mixers

#### ADVANTAGES

- Totally enclosed system
- Zero slippage

### TRADITIONAL BELT AND PULLEY



#### DISADVANTAGES

- Exposed gears
  - Not as safe as enclosed systems
  - Noisier
  - Gear teeth can easily be broken by aggregate falling between gears
- 6 : 1 Gear reduced engine required – belts and pulleys turn 6 times slower
  - Belts slip easily when under heavy loads
  - Gear reduced engines are more expensive to buy and difficult to source
  - Higher horsepower requirements
- Engine is used as the clutch
  - No solid engine mount
  - Engine wears prematurely because it can swing freely while in transit

#### ADVANTAGES

- Less expensive to buy than direct drive mixers
- Less time involved in repairs and maintenance

### DUAL SPIRAL

Crown's inner and outer spiral blades work like two augers to provide mixing on both the inside and outside radius, moving more material than traditional systems and providing increased air entrainment.



### Discover the Spiral Difference!

Crown's spiral mixing system works like a spiral conveyor rapidly moving material across the drum providing a faster, more thorough mixture.

- 30% faster mix
- Less splash – reduces cleanup and increases capacity
- No contact with the drum – reduces drum wear
- No rubber blades – reduces maintenance
- Perfect for color additives and dry mixes

## SPIRAL MIXING SYSTEM



# HYDRAULIC HIGH CAPACITY MIXERS



Crown uses the heaviest solid steel paddle shaft in the industry. Crown's ductile iron paddles are stronger than welded steel making them the industry's most durable. 2" solid steel paddle shaft.

Heavy duty spiral mixing blades available for a 30% faster mix!

Crown's 3/8" endplates are up to 80% thicker than the competition.

Lifetime warranty on drum bearings.

Crown's rugged tow pole is retractable or removable and easily stows away when not in use for safer operation.

Crown's newly redesigned frame means improved durability and stronger support where you need it.

The standard raised frame construction allows for convenient dumping to a wheel-barrow.

Every detail counts, like our two-piece safety grill which is stronger, safer and easier to use than a one-piece grill, and will not damage the drum.

Sturdy vented engine housing comes standard with a swing-away hood, providing easy engine access. Swing-away hood is thicker at 12 U.S.G.

Drive and dump controls conveniently placed.

Heavy duty 1/4" abrasion resistant steel wrap 20% thicker than the competition.

Crown's innovative rubber torsion suspension system provides the smoothest towing and handling.

All towable models come standard with high speed taper roller bearings and heavy duty axles for years of trouble free towing.

### PUT SOME REAL POWER IN YOUR MIX.

Sometimes a regular mortar mixer simply can't keep up on the big jobs. For a high capacity mixer that works as hard as you do look no further than Crown Construction Equipment.

With a maintenance free seal design and hydraulic drive and dump capability Crown's high capacity mixers are built with the needs of the serious masonry contractor in mind.



All of Crown's high capacity mixers feature larger double row bearings, larger bearing housings and more packing than the competition. This system eliminates the need for regular greasing maintenance.



Drum bearings are twice the bearing capacity of the competition with double row ball bearings for longer life.



All high capacity mixers come standard with a rubber torsion axle making them the best towing mixers in the industry.



#### MODEL 125

Batch Capacity Bag 3.5 - 4  
Batch Capacity Cubic Feet 12  
Overall Height 56.5"  
Overall Width 52.5"  
Charging Height 58"  
Overall Length (Tow Pole In) 84"  
Overall Length (Tow Pole Out) 104.5"  
Tires (Pneumatic) B78x13  
Spiral Blade Option Yes  
Weight – Max lbs. 1055  
Highway Towable Yes  
Drive Mechanical

#### MODEL 125H

Batch Capacity Bag 3.5 - 4  
Batch Capacity Cubic Feet 12  
Overall Height 57.5"  
Overall Width 52.5"  
Charging Height 58"  
Overall Length (Tow Pole In) 91.75"  
Overall Length (Tow Pole Out) 112.25"  
Tires (Pneumatic) B78x13  
Spiral Blade Option Yes  
Weight – Max lbs. 1115  
Highway Towable Yes  
Drive Hydraulic

#### MODEL 165

Batch Capacity Bag 4 - 5  
Batch Capacity Cubic Feet 16  
Overall Height 59"  
Overall Width 52.5"  
Charging Height 58"  
Overall Length (Tow Pole In) 97.5"  
Overall Length (Tow Pole Out) 118"  
Tires (Pneumatic) B78x13  
Spiral Blade Option Standard  
Weight – Max lbs. 1355  
Highway Towable Yes  
Drive Hydraulic

The 165H series mixers offer 33% more capacity than the largest mixers offered by most competitors and it's the only 16 cubic foot mixer to feature hydraulic drive and dump.