

Heavy Duty Mixers

- Durable and rugged, extremely versatile high viscosity mixers
- High torque
- Maintains constant speed

This product line offers the power and versatility required for viscous mixing. Heavy-Duty Mixers offer higher horsepower and greater torque over available speed ranges for difficult mixing jobs. Each mixer maintains constant speed even when the viscosity changes. Mixers are fitted with an adjustable Jacobs style chuck that accepts any accessory shaft. Mixers include adjustable chuck and 8" (20.3cm) mounting rod with carriage bolt and wrench for mounting motor to support stands. An additional clamp (110B or 112) is required to attach the motor's mounting rod to a support stand. Support stands and holders sold separately (see page 137).



Model 134-1

- Top mounted Standard Speed Control
- Heavy-duty power at an economical price
- Offers higher torque over a wide speed range
- Perfect for mixing emulsions that require high speed and torque
- Mixes light oils at speeds of 50 to 750rpm



Model 134-2

- Top mounted Standard Speed Control
- Features a unique triple shaft design
- Extremely powerful and versatile
- Offers high torque for slow speed mixing
- Mixes small quantities of high viscosity materials

Recommended accessory shafts: All

Recommended accessory shafts: All

Specifications		
Model	134-1	134-2
Horsepower	1/18	1/18
Speed Range		
Direct Drive	500 to 7500rpm	500 to 7500rpm
10:1	50 to 750rpm	50 to 750rpm
60:1	N/A	10 to 125rpm
Torque		
Direct Drive	0.5 in-lbs	0.5 in-lbs
10:1	4.7 in-lbs	4.7 in-lbs
60:1	N/A	15 in-lbs
Electrical	120 volt, 1.1 amps	120 volt, 1.1 amps
Shaft Size	5/16" (7.9mm)	5/16" (7.9mm)
Chuck Type	Adjustable	Adjustable
Overall Dimensions (L x W x H)	6.5 x 8.5 x 7" (16.5 x 21.6 x 17.8cm)	6.5 x 8.5 x 7" (16.5 x 21.6 x 17.8cm)
Ship Weight	5.1lbs (2.3kg)	5.1lbs (2.3kg)
Part Number	134-1	134-2

Accessories

Propeller Shafts

All stainless steel 303/304 are constructed with 15° pitched blades which creates an axial flow. Various shaft lengths and diameters with permanent 2" or 3.5" 3-blade propeller for every mixing need available. PTFE coating available.

2" Propeller Shafts, Stainless Steel

Blade Dia.	Shaft Dia.	Shaft Length	Part Number
2" (51mm)	1/4" (6.4mm)	12" (305mm)	150
2" (51mm)	1/4" (6.4mm)	18" (457mm)	150L
2" (51mm)	1/4" (6.4mm)	24" (610mm)	150XL
2" (51mm)	5/16" (7.9mm)	12" (305mm)	151
2" (51mm)	5/16" (7.9mm)	18" (457mm)	151L
2" (51mm)	5/16" (7.9mm)	24" (610mm)	151XL

**2" Propeller Shafts, PTFE Coated**

Blade Dia.	Shaft Dia.	Shaft Length	Part Number
2" (51mm)	1/4" (6.4mm)	12" (305mm)	150T
2" (51mm)	1/4" (6.4mm)	18" (457mm)	150LT
2" (51mm)	1/4" (6.4mm)	24" (610mm)	150XLT
2" (51mm)	5/16" (7.9mm)	12" (305mm)	151T
2" (51mm)	5/16" (7.9mm)	18" (457mm)	151LT
2" (51mm)	5/16" (7.9mm)	24" (610mm)	151XLT

**3.5" Propeller Shafts, Stainless Steel**

Blade Dia.	Shaft Dia.	Shaft Length	Part Number
3.5" (89mm)	5/16" (7.9mm)	12" (305mm)	152
3.5" (89mm)	5/16" (7.9mm)	18" (457mm)	152L
3.5" (89mm)	5/16" (7.9mm)	24" (610mm)	152XL
3.5" (89mm)	5/16" (7.9mm)	30" (762mm)	152XXL
3.5" (89mm)	3/8" (9.5mm)	12" (305mm)	154
3.5" (89mm)	3/8" (9.5mm)	18" (457mm)	154L
3.5" (89mm)	3/8" (9.5mm)	24" (610mm)	154XL
3.5" (89mm)	3/8" (9.5mm)	30" (762mm)	154XXL

**3.5" Propeller Shafts, PTFE Coated**

Blade Dia.	Shaft Dia.	Shaft Length	Part Number
3.5" (89mm)	5/16" (7.9mm)	12" (305mm)	152T
3.5" (89mm)	5/16" (7.9mm)	18" (457mm)	152LT
3.5" (89mm)	5/16" (7.9mm)	24" (610mm)	152XLT
3.5" (89mm)	5/16" (7.9mm)	30" (762mm)	152XXLT
3.5" (89mm)	3/8" (9.5mm)	12" (305mm)	154T
3.5" (89mm)	3/8" (9.5mm)	18" (457mm)	154LT
3.5" (89mm)	3/8" (9.5mm)	24" (610mm)	154XLT
3.5" (89mm)	3/8" (9.5mm)	30" (762mm)	154XXLT



NOTE: Additional and custom sizes are available. Call customer service for more information.

Propeller Blades

Made of stainless steel. You can customize the propeller to the shaft of your choice. Several blades can be attached for increased agitation. Creates axial flow. Blades come on a bushing with a stainless steel hex-head screw and Allen key for attaching to mixing shafts.

Blade Dia.	Fits Shaft Dia.	Part Number
1" (25mm)	1/4" (6.4mm)	987406
2" (51mm)	1/4" (6.4mm)	153A
2" (51mm)	5/16" (7.9mm)	153B
3.5" (89mm)	5/16" (7.9mm)	152A
3.5" (89mm)	3/8" (9.5mm)	154A



987406

High Speed Dispersion Blades

Designed for high speed dispersion. These blades tear particles apart and disperse them uniformly throughout the sample. Constructed of stainless steel with welded bushing and a set screw for mounting on mixer shafts.

Blade Dia.	Fits Shaft Dia.	Part Number
3" (76mm)	5/16" (7.9mm)	987407
3" (76mm)	3/8" (9.5mm)	987408



987407

Mixing Shafts

Made of stainless steel. Can add propeller blades to these shafts to customize a propeller shaft. Increase agitation with multiple blades on one shaft.

Blade Dia.	Shaft Length	Part Number
1/4" (6.4mm)	6" (152mm)	180
1/4" (6.4mm)	12" (305mm)	180A
1/4" (6.4mm)	18" (457mm)	180L
1/4" (6.4mm)	24" (610mm)	180XL
1/4" (6.4mm)	30" (762mm)	180XXL
1/4" (6.4mm)	36" (914mm)	180XXXL
5/16" (7.9mm)	6" (152mm)	181
5/16" (7.9mm)	12" (305mm)	181A
5/16" (7.9mm)	18" (457mm)	181L
5/16" (7.9mm)	24" (610mm)	181XL
5/16" (7.9mm)	30" (762mm)	181XXL
5/16" (7.9mm)	36" (914mm)	181XXXL
3/8" (9.5mm)	6" (152mm)	182
3/8" (9.5mm)	12" (305mm)	182A
3/8" (9.5mm)	18" (457mm)	182L
3/8" (9.5mm)	24" (610mm)	182XL
3/8" (9.5mm)	30" (762mm)	182XXL
3/8" (9.5mm)	36" (914mm)	182XXXL



180