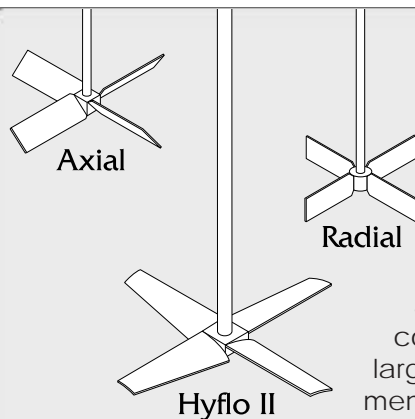
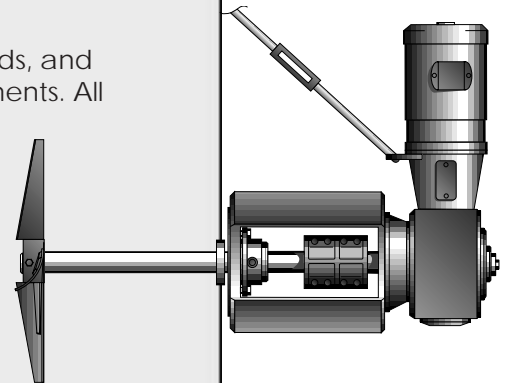


### *Compact Right-Angle Drive*

The Sharpe E-Series worm gear drive meets low headroom requirements without sacrificing performance. Efficient "high pressure angle" gearing provides extremely quiet operation and high shock-load capacity. The hollow quill gearbox design uses oversize tapered roller bearings for long overhung shafts, and requires no flange coupling for assembly. Heat and shock loading is isolated between the motor and gearbox. Drive housing is corrosion resistant cast iron. Wetted parts are SS316 standard. Carbon steel, exotic alloys, or coatings are also available when required.

### *Various Shaft Seals*

Choose among vapor lipseals, low and high pressure stuffing glands, and many mechanical seal designs to meet your closed tank requirements. All models offer excellent serviceability and ease of repair. Side entry units include a tank shut-off system to repack the gland or change the mechanical seal without draining the tank. Sharpe Mixers' exclusive premium mechanical seal design includes a radial load bearing integral to the seal housing to limit shaft vibration and extend seal life. Split seals are also available. Seal lubricators are optional, mounted, plumbed, and tested at our factory for trouble-free start-up at your plant.

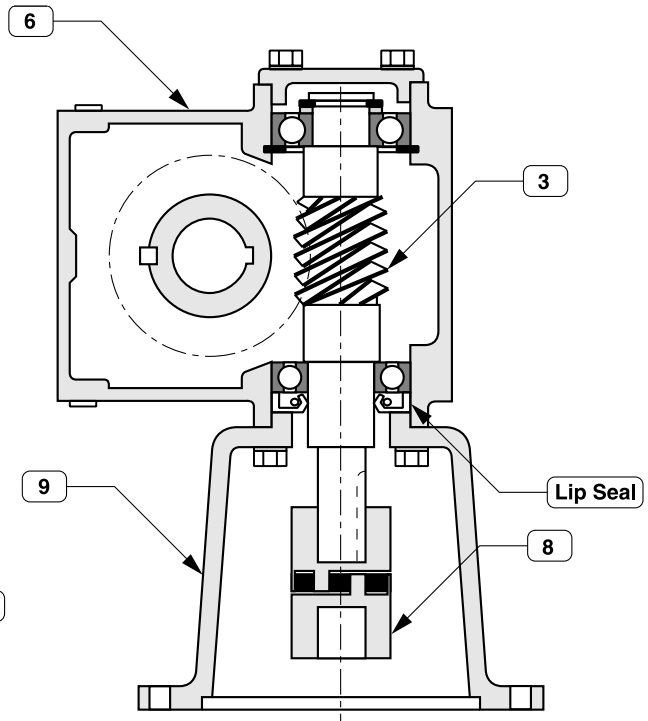
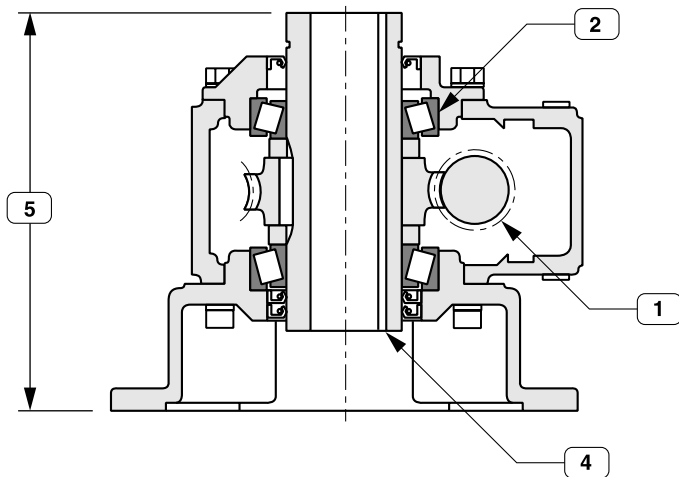


### *Large Impeller Selection*

Many different types of impellers are available, including axial flow, radial flow, and Sharpe's exclusive energy efficient Hyflo impellers. Your mixer will be supplied with the specific impeller designed to meet your process requirements. Small diameter impellers are normally furnished in a sturdy, one-piece construction. Our exclusive split-hub design for larger applications, allows infinite position adjustment on the shaft, and guarantees easy removal even after years of service.

# SHARPE MIXERS

## E-SERIES WORMGEAR ADVANTAGES



1. The E-Series worm gear drive can deliver much higher speed reduction (lower output speed) than comparable single reduction helical gearboxes. Operating at a slower speed offers several advantages:

- More flow (or mixing) at less horsepower than mixers running at 350 or 420 rpm.
- Larger diameter shafts operate well below the first critical shaft speed and are much more stable than those turning faster, above the first critical speed.
- Larger impeller diameters (turning slower) are more effective in higher viscosity batches.
- Longer shafts are possible for mixing in taller tanks.

2. Oversize Timkin Tapered Roller Bearings handle heavy mixer loads better than the smaller standard bearings found in competitors equipment, and are designed for over 100,000 L-10 hours bearing life.

3. E-Series gearboxes can withstand momentary overloads as great as 300%

4. Hollow quill gearbox design means shafts normally require no in-tank shaft couplings.

5. Compact right angle drive fits in tight locations where others cannot.

6. Heavy duty cast iron housing is more corrosion resistant than competitors aluminium housings.

7. E-Series worm drives are extremely quiet, usually below 76-80 decibels.

8. Competitors "close-couple" the motor in a swallow shaft design which uses the motor bearings to support the gear shaft. Sharpe Mixers isolates the motor with a flexible coupling, increasing bearing and motor life.

9. Sharpe Mixers use standard frame c-face motors for better availability.

*Call Sharpe Mixers or your local representative for a quote on your application.*

*Your Representative is:*