

## INSTALLATIONS



LHX-13C operating on a 59' diameter copper concentrate slurry surge tank.



LHX-160 with 150 HP drives operating on zinc and copper concentrate tanks.



LHX-150 maintaining solids in suspension on a 49' diameter storage tank.



125 HP, LHX-14C mixers on gold leach service utilizing 21' diameter hydrofoils.



200 HP, LHX-160 mixers on 52.5' diameter gold leach tank.



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## LH SERIES



For the largest and most demanding mixing applications.

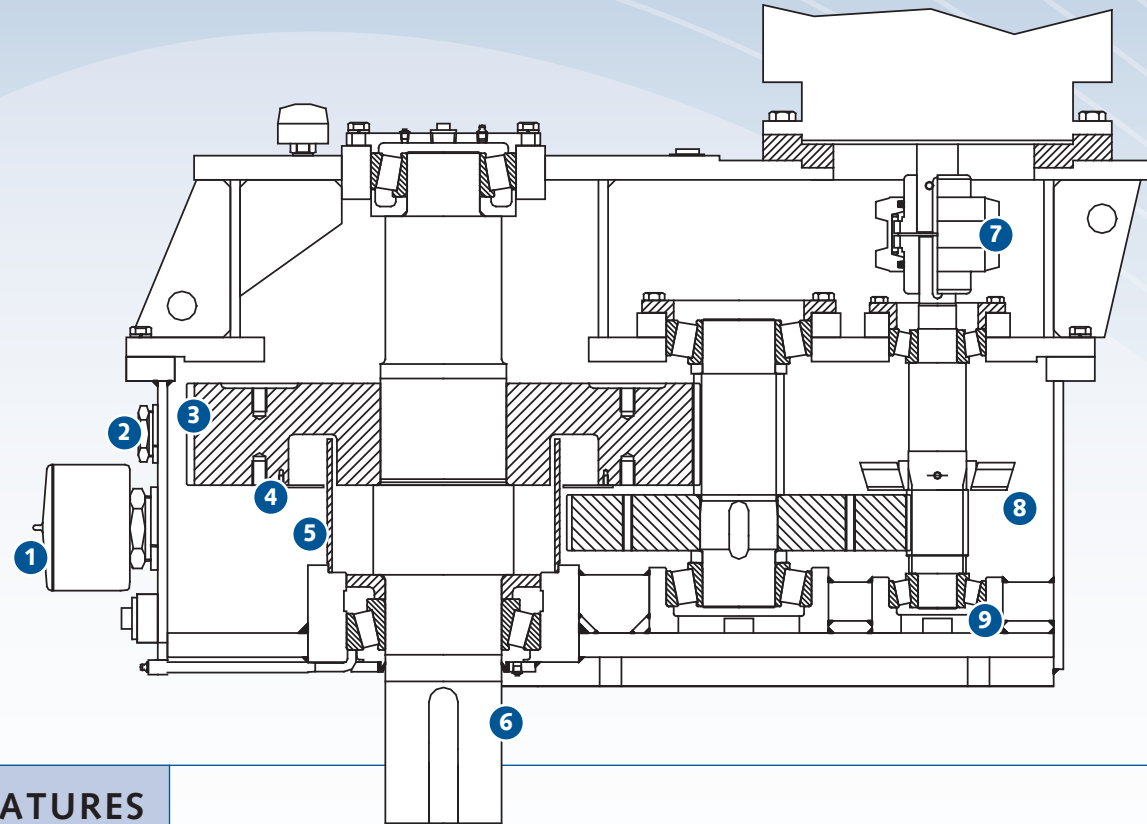


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# LH SERIES

## DESCRIPTION

Hayward Gordon's "L" series of mixer drives are specifically designed to endure the extreme loading conditions common to mixing applications which require these large gear reducers. The rugged nature of this design assures long, dependable operation with the minimum of regular maintenance. These units are available in both an inline configuration, model LH which uses all helical gearing and right angle design, the model LB, which utilizes helical and spiral bevel gearing. Eight drive sizes of both the LH and LB are available which span typical mixing volumes from 100,000 gallons to well over 1,000,000 gallons.



## FEATURES

- 1 Auxiliary equipment available includes oil heaters, temperature monitoring and oil level switches.
- 2 Oil sight glass allows oil level checks at a glance.
- 3 Three types of gearing available, through hardened, nitrided and carburized and ground, allowing precise selection of the drive for each specific application.
- 4 Oil baffle ensures oil cannot splash into the drywell area.
- 5 Drywell design eliminates oil leakage down the output shaft.
- 6 Oversized output shafting handles the high overhung shaft loads associated with demanding mixing applications.
- 7 Numerous high speed flexible coupling designs available including fluid couplings.
- 8 Splash lubrication system on the LH series eliminates the need for separate oil pump and ancillary lubrication equipment.
- 9 Taper roller bearing throughout with minimum L-10 lives of 100,000 hrs.

## CONFIGURATIONS



Right Angle Drive model LBX-150 with a high speed flexible fluid coupling.



All Helical Gearing with belt drive input allows easy and inexpensive speed changes to accommodate changing process conditions.



Mechanical Seal designs available for high pressure/ high temperature service - shown here being fully tested.



Direct Drive All Helical design configuration utilizing a flange mount motor ensuring proper alignment.