

ST Series

TOP ENTRY MIXERS



DESCRIPTION

ST reducers are engineered and manufactured specifically to withstand the demanding loads imposed on the drive by most mixing applications. The large bending moment created by the cantilevered mixing shaft and impeller is largely isolated from the gearing by the unique output bearing arrangement. All helical gearing with exceptional load carrying capacity ensures highly efficient and dependable transfer of energy into the process fluid.

The proven reliability of this drive combined with our extensive process experience allows Hayward Gordon to provide you with a precise, dependable mixing solution – critical for maximum profitability.

Designed for small-capacity, tough-duty mixing applications, the ST is a hollow shaft drive for top entry applications.

RUGGED CAST-IRON HOUSING

Accepts mixing stresses while maintaining accurate gear alignment and resisting corrosion.

CONVENIENT C-FACE MOTOR ADAPTER

This fully registered adapter ensures fast, positive motor alignment, eliminates hassles with V-belts, sheaves and guards, and simplifies installation with a flexible coupling.

HIGH-STRENGTH HELICAL GEARING

All-helical gearing is designed for high efficiency and maximum load-carrying capacity with reserve strength rating. All gears are AGMA Quality 10.

NO-LEAK DRYWELL CONSTRUCTION

Oil sump is isolated from output shaft to prevent gear lubricants from leaking and contaminating the product being mixed.

UNIQUE LOW SPEED BEARING ARRANGEMENT

High-capacity, spherical-roller, mixer shaft bearing isolates impeller loads from gearing and provides high moment capacity. Tapered roller bearings accept high thrust loads in either direction.

RE-GREASABLE LOW SPEED BEARINGS

Upper tapered roller bearing and bottom spherical roller bearing are grease lubricated and field re-greasable for easy maintenance. Lower tapered roller bearing is oil-lubricated.

SIMPLE, POSITIVE LUBRICATION

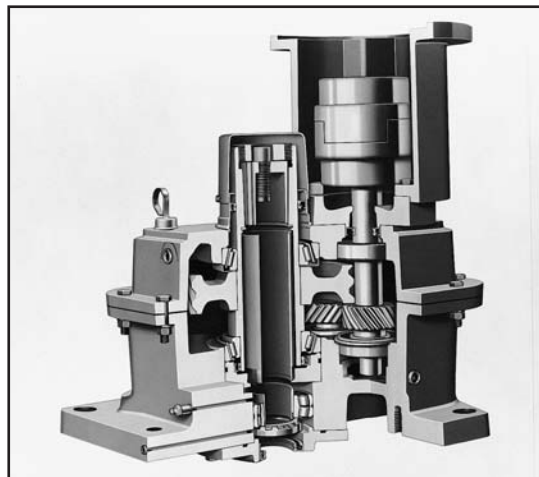
Sealed, grease-lubricated upper high-speed and intermediate bearings and oil-lubricated lower bearings reduce oil levels, churning and foaming for cooler operation. Large oil capacity also helps keep the unit cooler for maximum life. A magnetic oil drain plug is provided.

EASY MAINTENANCE

Easily accessible oil fill opening and oil drain plugs let you perform required maintenance without removing any covers or guards. Standard, automotive-type, quick-check dipstick allows fast, easy oil checks.

TYPICAL MOUNTING OPTIONS

Open Tank
Stuffing Box
Double or Single Mechanical Seal



Process Solutions since 1952

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