

Slide-Rite® & Slide-Rite®CR Gearbox

COMPACT SIZE & STANDARD SIZE

The **Slide-Rite®**, like the classic **Float-A-Shaft®**, is a universal right angle gearbox. It consists of two 45° helical gears that mesh at right angles, designed to turn power at 90°. It can be operated in either direction and can slide axially along the drive or driven shaft.

The **Slide-Rite®** gearbox's unique floating design maintains perfect shaft alignment allowing for easy installation.

A solid one-piece aluminum housing seals the gears from outside contaminants, providing for smooth operation in even the harshest industrial environments.

ENDURANCE TECHNOLOGY™

Look for this endurance technology symbol indicating our durability design features

LEAK-PROOF PERFORMANCE

- One-piece housing, one-piece geared shaft and sealed bearings offer leak-proof performance and excellent service life

PRELUBRICATED

- Prelubricated for long, trouble-free service

ONE-PIECE GEARED SHAFT

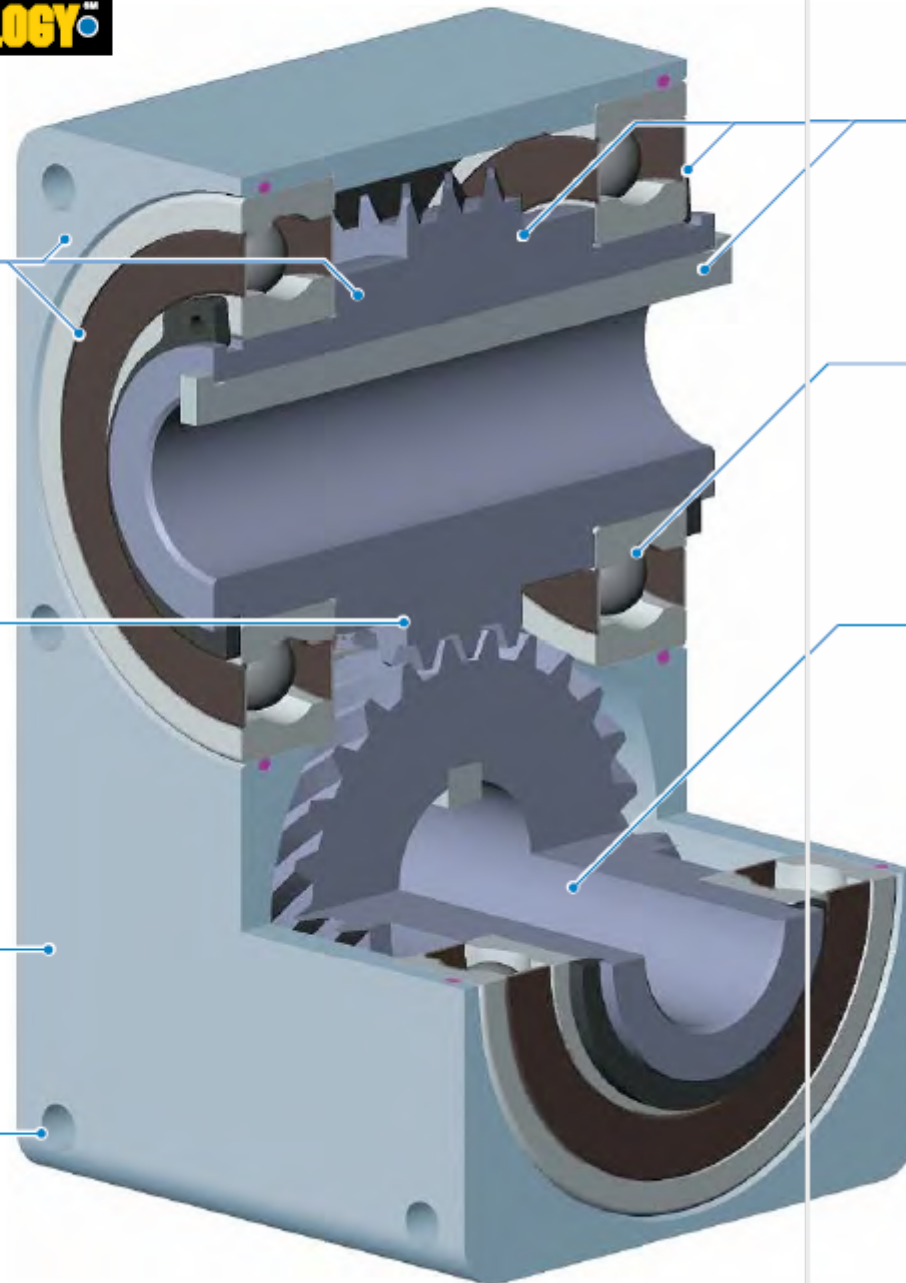
- Fewer parts to wear out

USES STANDARD TRANSMISSION SHAFTING

HARD COATED ALUMINUM CASE

- Resists corrosion and forms its own lubricant reservoir

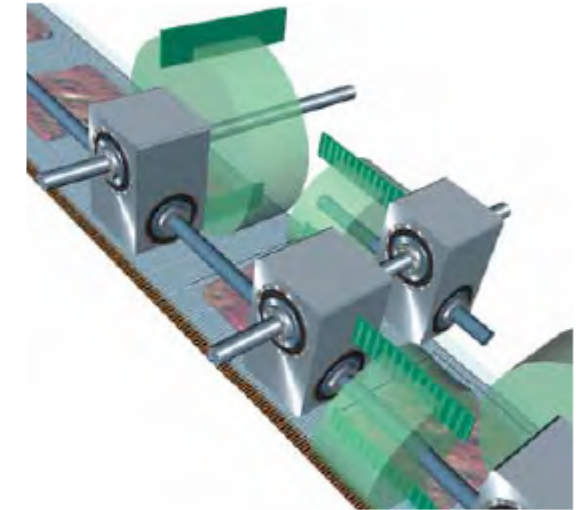
THREADED MOUNTING HOLES



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APPLICATION EXAMPLE

The specially selected corrosion resistant components of the **Slide-Rite®CR** Gearbox make it the perfect choice for environmentally challenging applications.



SLIDE-RITE®CR FEATURES:

HELICAL GEARS, KEYS, RETAINING RINGS

ALLOY STEEL

- 45 degree helical gears are hardened alloy steel
- High performance, long life construction

NICKEL PLATED

- Corrosion resistant electroless nickel-plated geared sleeves, keys and retaining rings

BEARINGS AND BEARING RACES

HARDENED STEEL

- High performance, long life materials

STAINLESS STEEL

- Corrosion resistant stainless steel balls and races

PRECISION GROUND BORES

SPECIFICATIONS

- Max speed: 1,200 RPM
- Backlash: < 1 degree
- Bidirectional
- Slide through bore: limited only by length of keyway on shaft

Specifications and endurance technology features apply to all sizes of Slide-Rite® gearboxes.

Application Description:

A manufacturer of frozen pizzas needed a way to cut and seal the plastic packaging for multiple sizes of their signature square pizza.

Application Requirements:

- Output of 60 pizzas per minute
- 4" adjustment range
- No maintenance - washdown environment

Tolomatic Solution: Slide-Rite®CR Gearboxes

The sealed, high speed, corrosion resistant design of the Slide-Rite®CR provides the high throughput necessary in this application. Other important application design features: Using multiple right angle gearboxes, a single motor, located outside the wash down area, synchronously drives both cutting and sealing units. The slide through bore feature of the Slide-Rite® offers adjustability for several pizza sizes.