

Slide-Rite® & Slide-Rite® CR Gearbox

SLIDE-RITE GEARBOX

COMPACT SIZE & STANDARD SIZE

ENDURANCE TECHNOLOGY

APPLICATION EXAMPLE

COMPACT SERIES 1:1 RATIO

STANDARD SERIES 1:1 RATIO

STANDARD SERIES 3:2 RATIO

STANDARD SERIES 2:1 RATIO

FLOAT-A-SHAFT

APPLICATIONS

INTRODUCTION

COMPACT SERIES 1:1 RATIO

STANDARD SERIES 1:1 RATIO

STANDARD SERIES 3:2 RATIO

STANDARD SERIES 2:1 RATIO

STANDARD SERIES 2.5:1 RATIO

SELECTION

INSTALLATION

SHAFT & KEYWAY REQUIREMENTS

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 SM

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

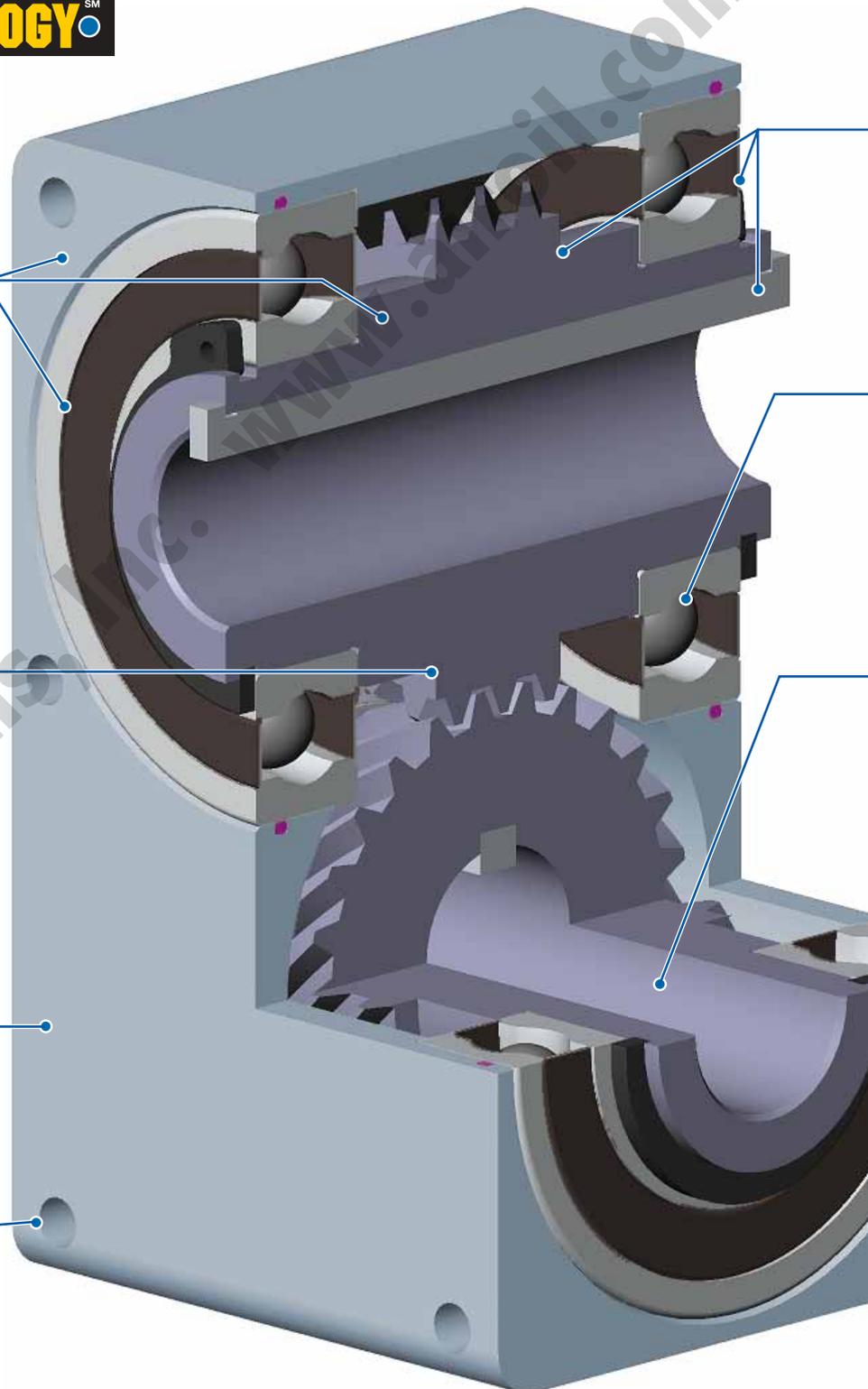
- Fewer parts to wear out

USES STANDARD TRANSMISSION SHAFTING

HARD COATED ALUMINUM CASE

- Resists corrosion and forms its own lubricant reservoir

THREADED MOUNTING HOLES



Air-Oil Systems

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 •

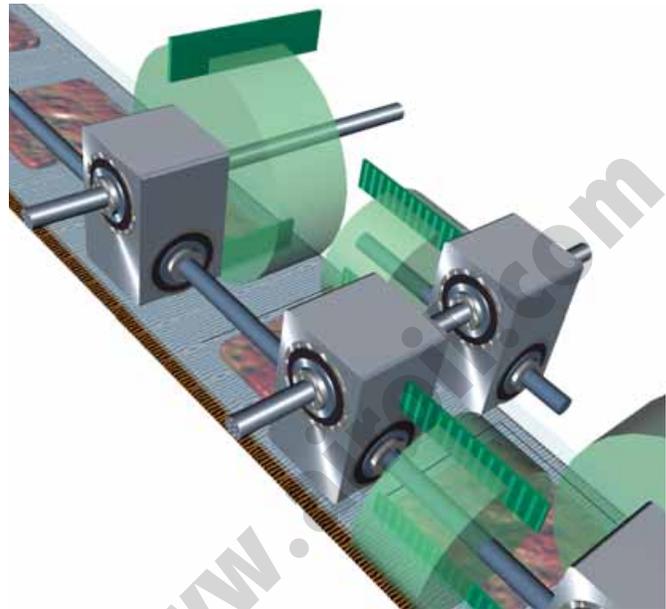
- Corrosion resistant stainless steel balls and races

• 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.