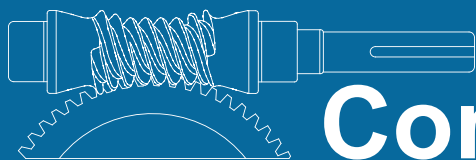


# Engineered to Keep You Moving



## Cone Drive

A Textron Company



# 18 Reasons To Buy Cone Drive

Lots of companies say their products are the best. Few can support their statements. We can. Here are 18 statements of fact. You be the judge.

### 1. CONE DRIVE IS TRUE DOUBLE-ENVELOPING

For 50 years, the element that has distinguished Cone Drive products from all others is the double-enveloping design. With Cone Drive gearing, the worm and gear wrap around each other. This greatly increases load carrying capacity by providing more teeth in mesh than any other worm gear product.

### 2. CONE DRIVE IS THE MOST EFFICIENT WORM GEARING AVAILABLE

Since our gearing distributes the load over more teeth, our units run cooler and more efficiently. This translates to energy savings for you.

### 4. CONE DRIVE BUILDS MORE STYLES, SIZES AND RATIOS THAN ANYONE ELSE IN THE INDUSTRY

Cone Drive has a standard speed reducer to handle almost any operation. We make so many variations that many of the reducers we call standard, other companies call special. Thousands of size, ratio and assembly combinations are available. From 1.5-inch center distance all the way to 52-inch center distance, our products feature the double enveloping principle.

### 5. CONE DRIVE HAS THE LARGEST HOLLOW OUTPUT BORES IN THE INDUSTRY

Our hollow output bores are available in many sizes, but Cone Drive offers the largest bore sizes by center distance in the industry.

### 7. BREADTH OF PRODUCT OFFERING

Whatever your needs, Cone Drive has a product, from our lightweight, highly flexible Series B to our rugged Cone Drive Model HP.



### 8. CONE DRIVE REDUCERS ARE STRONGER

Our testing has proven that Cone Drive units are 20% stronger than our nearest competitor. Cone Drive offers a worm gear industry leading five-year warranty.

### 3. CONE DRIVE REDUCERS REQUIRE LOWER SERVICE FACTORS

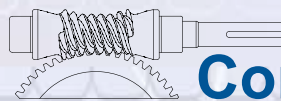
Based on our proven, time-tested ratings, Cone Drive is able to utilize lower service factors for most applications. That means cost savings and space savings for you. Cone Drive ratings are in accordance with the American Gear Manufacturers Association rating standards.

### 6. CONE DRIVE USES HEAVY-DUTY ROLLER BEARINGS ON ALL WORM AND GEAR SHAFTS

Our heavy-duty bearings give you long life and less down time. These bearings also allow for higher chain pull capacity in both input and output shafts. Cone Drive units are excellent for applications where external overhung loads are imposed on the input or output shafts. Our high chain pull capacity usually eliminates the need for outboard bearings and bearing supports, which simplifies your designs and lowers cost.

### 9. CONE DRIVE REDUCERS HAVE GREATER STIFFNESS

The double-enveloping design has very little deflection or torsional displacement. This allows you to meet very stringent accuracy and precision requirements, such as in timing and indexing applications.



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## 10. CONE DRIVE GEARSETS ARE MANUFACTURED WITH PRECISION AND ACCURACY

For your precision requirements, the inherent accuracy of our standard product line fulfills a broad range of applications. If you require true zero or low backlash, we have a gearset to suit your needs.

## 11. CONE DRIVE MANUFACTURES OUR STANDARD OR SPECIAL GEARSETS WITH EXACT RATIOS

This feature eliminates the problems associated with fractional units when timing, positioning and indexing are critical. Because we do not use hobs or cutters to make our gearsets, special ratios to suit your needs are easy. Special ratios can be made in a very short period of time because no special hobs are needed, this also saves money on special tooling.

## 12. CONE DRIVE WORMS ARE THROUGH-HARDENED

Through-hardened worms (as opposed to case or surface hardened) give you the extra toughness and strength needed for heavy-duty service.

## 13. CONE DRIVE REDUCERS ARE QUIET

Worm gearing is quiet due to sliding contact. Additionally, Cone Drive worms are ground and gears precision milled, resulting in an accurate and smooth gear mesh and subsequently, a quieter reducer.

## 15. THE CONE DRIVE "CONE SCHOOL"

Available to all engineers and maintenance technicians, Cone Drive's two-day workshop is the most comprehensive educational program in the worm gear industry. Engineers receive hands-on experience coupled with classroom instruction. Intensive training and individual attention is provided by Cone Drive engineers, technicians and field service personnel. Topics covered are assembly, repair and installation, lubrication, reducer selection and rating, bearing setting and troubleshooting.

## 14. CONE DRIVE'S DYNAMOMETER, METALLURGICAL LAB AND TEST FACILITY ARE BEHIND EVERY UNIT

Cone Drive's three 4-square dynamometers are constantly used to test new materials, manufacturing processes, designs and lubricants. The dynamometers are also available for customer prototype qualification testing. If you have special requirements, cooperative test programs can be arranged to monitor performance under exacting conditions.



## 17. CONE DRIVE MEANS QUALITY

The only meaningful definition of quality revolves around the benefits you receive as a customer. Cone Drive quality is a mixture of:

**Quality engineering**...designing the right reducer for your application, and building it with the finest materials and components.

**Quality manufacturing**...attention to detail, exacting tolerances and mounting dimensions. You get a reducer built with precision and accuracy, one that will run smoothly and trouble-free.

**Quality service**...we're there with you when you need assistance with installation, rebuild or repair. Cone Drive knows how important a timely response can be. We're committed to offering you service before and after the sale.

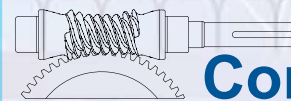
**Quality**...it translates into the type of performance you've come to expect from Cone Drive.

## 18. CONE DRIVE HAS STOOD THE TEST OF TIME

For over 50 years, we have been making worm drives of unquestioned quality and durability. Our double enveloping design drives equipment in mining, steel, aerospace, automotive, printing, packaging and brewing world-wide. As a longtime member of the American Gear Manufacturers Association, we publish ratings you can rely on. When you choose Cone Drive, you have the confidence of knowing that our 50 years of experience is behind every unit we build.

## 16. SPECIALS ARE OUR SPECIALTY

Cone Drive's proven ability to furnish modified standard and special drives has made us the design engineer's choice. Our experienced application engineers, designers and computer-aided design systems allow us to quickly find solutions that are "customized" to your needs.



# Cone Drive

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