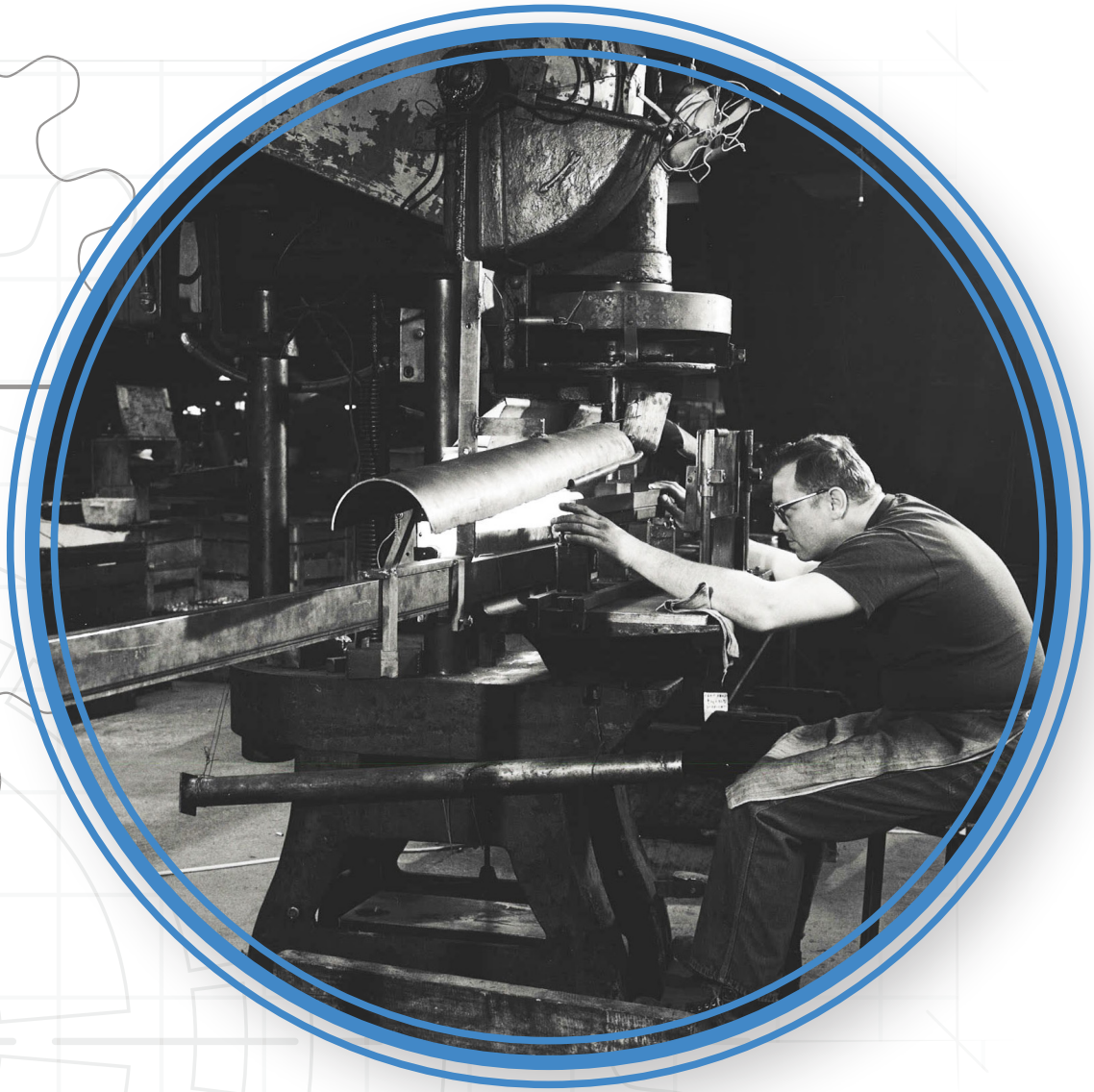
# Weasler®

## Higher value.
## Smarter solutions.



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# More than 70 years of growth, innovation and customer centricity

**The culmination of a dream** by small-town inventor and entrepreneur Anthony V. Weasler, Weasler Engineering is built on a strong foundation of learning, listening, growth and building relationships. From modest beginnings in 1951 with only seven employees, Weasler Engineering has expanded worldwide to become one of the world's leading manufacturers and distributors of mechanical power transmission products. We supply quality products to original equipment manufacturers in the agricultural, lawn and turf and industrial markets. The Weasler brand is recognized for unsurpassed quality, on-time delivery, reliability and exceptional service. The culture created and cultivated by Anthony Weasler has never wavered. That pioneering spirit still shines brightly today. Agriculture, lawn and turf and industrial OEMs worldwide look to Weasler for innovative and dependable drive train systems and components.

*The Weasler Engineering plant in West Bend, WI in the 1970s.*

The Weasler brand is widely recognized for unsurpassed quality, on-time delivery, consistent reliability and exceptional service.

## MARKETS SERVED

**Agriculture**

**Lawn and Turf**

**Custom Applications**

# Why Choose Weasler

## Legacy of innovation

Innovation genuinely is part of the Weasler culture. Collectively, 43 patents have been earned throughout Weasler history. Our engineers have developed driveline solutions that have become the gold standard in the industry and shaped agricultural PTO driveshaft technology. Weasler also has earned countless ASABE product innovation awards for their products, including:

- **CV joints**
- **Auto-Lok Yokes**
- **Variety of clutches**
- **Extended Lubrication**

## Subject matter expertise

Our years of experience, combined with engineering expertise and a commitment to research and development, provide the foundation to develop patented products like the Easy Lock guard system, and the fully enclosed, wide-angle and integral guards. These guard systems meet or exceed ASABE, ISO and EN standards, and are available with CE Certification.

Weasler is aligned with the world's leading safety standards. Our team actively participates in organizations like the ADMA, AEM, ASABE, ISO, and CEN.

## Commitment to quality

The performance of our PTO drivelines is critical to the integrity of agricultural equipment and the safety and productivity of the farmers who rely on these machines. Our consistent and shared focus on quality, safety and continuous improvement means you receive the best drive train products. Our investments in research and development place us at the forefront of our industry. All Weasler facilities are registered to the ISO 9001 Quality Management System. Weasler's technical team uses industry-leading quality design tools, like Failure Mode Effects Analysis, to assist with new designs. Our engineers can partner with you in PPAP development for new designs.

## Worldwide availability

To ensure the best possible customer service, Weasler maintains facilities worldwide. Corporate headquarters, as well as sales offices and manufacturing facilities, are in West Bend, Wisconsin, U.S.; with sales offices in the Netherlands and Brazil; and manufacturing facilities in Hungary and Mexico.

**Having the right drive shaft is essential** to ensure you have the power you need to get a job done. We offer a range of PTO solutions, from standard to the professional, designed so you can customize your drive shaft to pair perfectly with your unique application. Drive shafts are available in imperial and metric sizes.

**Link to our extensive product offerings**

# DRIVE SHAFTS
## Imperial and Metric

### Standard

The Standard drive shaft is a straightforward product, perfect for uncomplicated tasks. Designed to meet the demands of the cost-conscious client, our Standard drive shaft is perfect for the equipment owner who values quality and wants an essential drive shaft to work as hard as they do.

### Classic

When equipment requires a driveshaft that provides the right amount of power for projects that range from the essential to the substantial, the Classic drive shaft delivers all the strength and durability you need. This driveshaft gives operators the quality and durability they need to perform a variety of applications.

### Professional

Our most powerful driveshaft is designed to handle rigorous, continuous, heavy-duty applications. Boasting the most features to choose from, the Professional drive shaft is ready to meet and exceed the needs of the most robust applications.

**Standard**

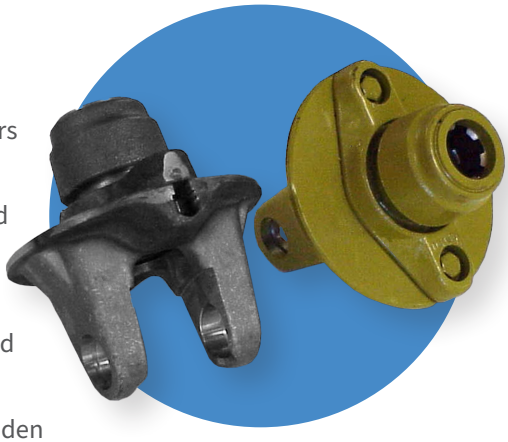
**Classic**

**Professional**

# High performance solutions

## TORQUE OVERLOAD PROTECTION DEVICES

### Ball Shear



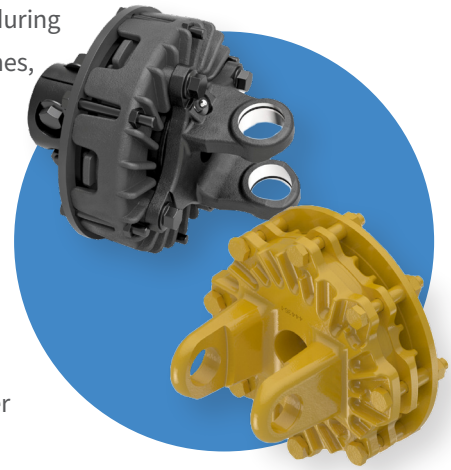
The shear yoke offers simple, economical implement overload protection. Besides the traditional implement-mounted configuration, the free motion and hidden bolt, tractor-shaft mounted options (available in Europe) make hook-up and service more user friendly. Benefits of the design include minimal maintenance, no damaging heat generation for higher productivity, a repeatable overload setting and smooth disengaged operation with no damaging torque spikes.

### Ratchet

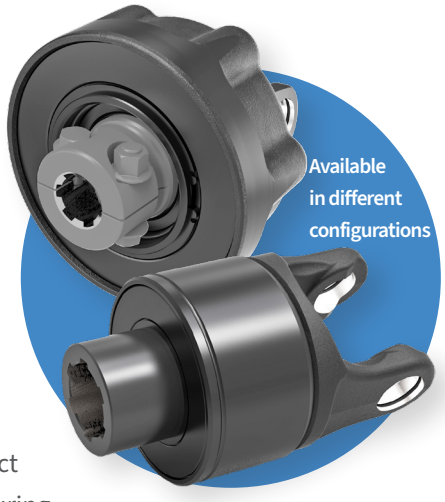
The updated design includes a repeatable overload setting. The improved cam material increases ductility and reduces brittleness, while adding durability in high frequency disconnect applications. The tightly controlled surface finish and springs reduce the torque drop and break-in period, offering more consistent torque disconnects and lower torque drop over the clutch's lifetime. A preset design controls spring height and reduces break-in torque loss, and added shot peening strengthens the spring and relieves stress caused by the coiling process.

### Friction

The friction clutch is indispensable in certain agricultural implement applications. The friction clutch is the only torque limiter that has the ability to continuously transmit power (at a reduced level) while overloaded. This is valuable during startup of high inertia machines, as well as for leveling out torsional fluctuations due to high cyclic loads. The TorQmaster's patented technology dissipates heat quickly, improving durability while protecting the machine. The TorQmaster clutch packs are preset for various power levels to meet the needs of the application while reducing torque overloads on the implement, so no adjustment is required after slipping. TorQmaster clutch packs are provided with ID tangs that mate with either a free-motion or overrunning clutch yoke. The free-motion design allows for easy connection of the PTO drive shaft to the tractor PTO, and the overrunning design provides the ability for any implement to free wheel to a stop. The TorQmaster friction clutch must be used in conjunction with a mating TorQmaster clutch yoke and is easily mounted with standard tools.



### Auto



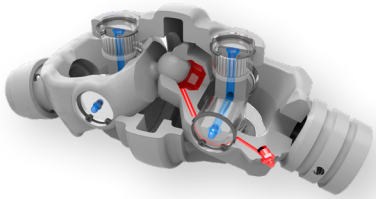

The automatic clutch offers a level of implement overload protection not possible with other types of clutches. The efficient design disconnects the power source from the drivetrain when overload occurs and does not reconnect until the speed is reduced. During disengagement, the patented design minimizes damaging torque spikes and heat.

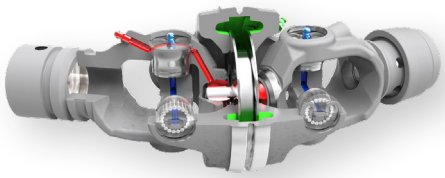
# Improved productivity

## CONSTANT VELOCITY JOINTS

**A constant velocity universal joint permits smooth machine operation** through a broad range of motion. The joints mean the machine is designed with the input shaft in the best operating position, yet allows the operator to maneuver as needed. The CV joint delivers constant power by self-canceling torque and speed fluctuations typically found in single cardan-type universal joints.

We offer 50- and 80-degree CV joints. Each type has a patented, hardened ball and socket, integral bridge yokes, and telescoping members. Extended lube cross and bearing kits are available for each design, offering increased dynamic capacity and extended lubrication intervals, with a lube cycle of 50-250 hours. Both types of constant velocity joints also have guard systems that are CE certified and ISO compliant.





### 50-degree CV joint

- 50° maximum short duration or stand-still operation
- Greater operating angles than traditional ball-style CV joints
- 40° maximum continuous operation
- Patented pressurized ball and socket lubrication system
- Compact size
- Patented Auto-Lok attachment available
- Operating torque up to 30,000 inch-pounds (3,400 Nm)

### 80-degree CV joint

- 80° maximum short duration or stand-still operation
- 25° maximum continuous operation
- Patented, single point pressurized ball and socket lubrication system
- Floating plates seal in lubrication and seal out contamination
- Centering device includes patented floating plates
- Highest power-to-weight ratio and most compact size-to-power ratio in the industry
- Operating torque up to 24,000 inch-pounds (2,700 Nm)
- Extended lubrication system available for reduced maintenance

## MAINTENANCE-FREE DESIGNS

# Product innovation

**Proper maintenance and lubrication of our products is the key to long-term performance.** Weasler currently offers several standard maintenance-free products. These products are highly engineered and built to perform reliably and continuously throughout their designed lifespan, with no need for added lubrication:

## Cross and bearing kit

Our maintenance-free cross and bearing kits feature durable steel construction, premium quality lubricant, large roller bearings, and a high temperature, triple-lipped seal that keeps grease in and contaminants out.

## Drive shaft

Designed to reduce downtime labor, our maintenance-free drive shafts have telescoping sections that protect the spline shaft from the environment with a U-cup wiper seal inside a steel tube, and include our patented Easy Lock guard system.

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## GLOBAL LOCATIONS

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**Scan to learn more.**

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