



# Weasler®

# CONSTANT VELOCITY JOINT

## DESIGN FEATURES

- 80° maximum short duration or standstill operation.
- 25° maximum continuous operation.
- Single point pressurized ball and socket lubrication system (patented).
- Hardened ball and socket (patented).
- Centering device includes floating plates (patented).
- Highest power to weight ratio and most compact size to power ratio in the industry.
- Integral bridge yokes.
- Telescoping members:
  - hardened spline or rectangular shafting.
  - standard coated profile tube sizes.
- Auto-Lok attachment available (patented).
- CE certified and ISO compliant articulated guard systems.
- Operating torque up to 24,000 in•lb (2700 Nm).
- “E” cross and bearing kit available for increased dynamic capacity.
- Extended lubrication system available:
  - “E” cross and bearing kits.
  - sealed ball and socket system (patented).
  - sealed center housing (patented).

## 80° Constant Velocity Joint



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

## PERFORMANCE BENEFITS

- SIZES AVAILABLE FROM 21 HP (16 kW) AT 540 RPM, 232 HP (173 kW) AT 1000 RPM, UP TO 280 HP (209 kW) AT 1300 RPM FOR 1000 HOURS OF LIFE AT 10° TOTAL ANGLE.
- MINIMAL VIBRATION AT HIGH TURN ANGLES.
- LIGHTWEIGHT COMPACT DESIGN FOR HANDLING EASE.
- FLOATING PLATES SEAL IN LUBRICATION AND SEAL OUT CONTAMINATION.
- HARDENED SPHERICAL BALL AND SOCKET PROVIDES LONG LIFE.
- TELESCOPING SHAFTS TO MEET APPLICATION REQUIREMENTS.
- AVAILABLE WITH PATENTED AUTO-LOK FOR EASE OF ATTACHMENT.
- ARTICULATED GUARD SYSTEM PROVIDES FULL COVERAGE AT MAXIMUM ANGLE.
- EASY TO GREASE WITH GUARD SYSTEM IN POSITION.
- GUARD SYSTEMS MEET ALL INTERNATIONAL STANDARDS.
- EXTENDED LUBRICATION DESIGN AVAILABLE FOR REDUCED MAINTENANCE.

# Higher Value · Smarter Solutions



**Weasler®**

**CONSTANT VELOCITY JOINT**

**OUR GLOBAL LOCATIONS**

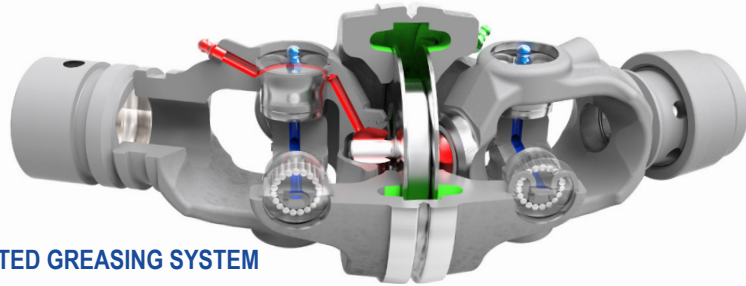
**WEASLER ENGINEERING, INC.**  
 P.O. Box 558  
 West Bend, Wisconsin, 53095 USA  
 Tel: +1 (262) 338 2161  
 Email: oemsales@weasler.com

**WEASLER ENGINEERING TURKEY**  
**Power Packer Turkey**  
 Akhisar Organize Sanayii Bolgesi 5  
 Cadde No: 33  
 Akhisar Manisa 45230  
 Turkey  
 +36 (0)24 64 89 100  
 Email: sales@weasler.nl

**WEASLER ENGINEERING KFT**  
 P.O. Box 262  
 H6001 Kecskemet, Hungary  
 +36 (0)76 500 410  
 Email: sales@weasler.nl

**WEASLER BRASIL**  
 Ave Luiz Merenda, 489 Campanário  
 Diadema SP, Brasil CEP 09931390  
 +55 (11) 40927200  
 Email: info.sa@weasler.com

**80° Constant Velocity Joint**



**PATENTED GREASING SYSTEM**

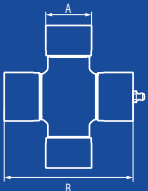


**PATENTED COMPACT, ARTICULATED GUARD SYSTEM ANGLED UP TO 80°**



**PATENTED HARDENED, SEALED SPHERICAL BALL AND SOCKET**

**80° Constant Velocity Joint Power Ratings**

Series	Cross Kits		540 RPM		1000 RPM	
			Power R-Kit or P-Kit	Power E-Kit or M-Kit	Power R-Kit or P-Kit	Power E-Kit or M-Kit
	A [in]	B [in]	[HP]	[HP]	[HP]	[HP]
<b>CAT 1-70°</b>	.97	2.28	16	21	25	32
<b>CAT 2-80°</b>	.87   .94	2.41   2.99	16	19	25	29
<b>CAT 3-80°</b>	1.06	3.21	35	52	54	80
<b>CAT 4-80°</b>	1.19	3.62	64	79	99	122
<b>CAT 5-80°</b>	1.19	4.19	77	96	118	148
<b>CAT 6-80°</b>	1.38	4.19	117	151	179	232

**This Weasler product is designed and developed for:**

- Balers
- Mower Conditioners
- Sprayer
- Manure Spreaders
- Rakes/Tedders
- Mixer Feeders

**For more information see our website: [www.weasler.com](http://www.weasler.com)**

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