



Weasler®

CONSTANT VELOCITY JOINT

DESIGN FEATURES

- 50° maximum short duration or standstill operation.
- 40° maximum continuous operation.
- Pressurized ball & socket lubrication system (patented).
- Hardened ball and socket (patented).
- Compact size.
- 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 guard systems.
- Operating torque up to 30,000 in•lb (3400 nm).
- “E” cross and bearing kit available for increased dynamic capacity.

50° 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 15HP (12 kW) AT 540 RPM, 232 HP (173 kW) AT 1000 RPM, UP TO 280 HP (209 kW) AT 1300 FOR 1000 HOURS OF LIFE AT 10° TOTAL ANGLE.
- MINIMAL VIBRATION AT HIGH TURN ANGLES.
- LIGHTWEIGHT COMPACT DESIGN FOR HANDLING EASE.
- HARDENED 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 THE GUARD SYSTEM IN POSITION.
- GUARD SYSTEMS MEET ALL INTERNATIONAL STANDARDS.
- GREATER OPERATING ANGLES THAN TRADITIONAL BALL-STYLE CV'S.

Higher Value · Smarter Solutions



Weasler®

CONSTANT VELOCITY JOINT

MANUFACTURING LOCATIONS

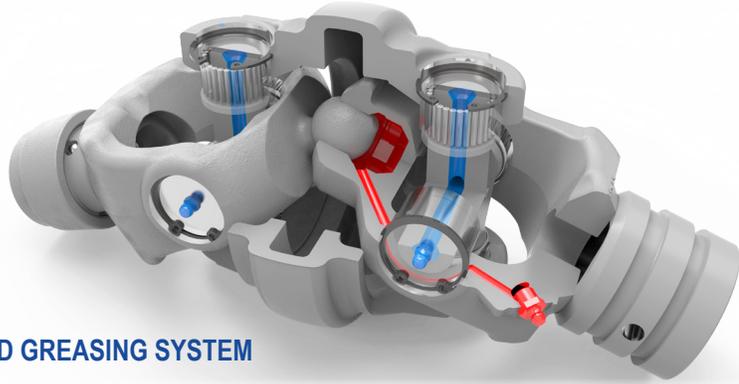
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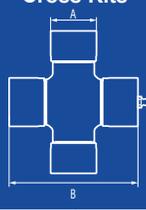
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50° Constant Velocity Joint



PATENTED GREASING SYSTEM

50° Constant Velocity Joint Power Ratings

| Series | Cross Kits | | 540 RPM | | 1000 RPM | |
|-----------|--|--------|-------------|-------------|-------------|-------------|
| |  | | Power R-Kit | Power E-Kit | Power R-Kit | Power E-Kit |
| | A [in] | B [in] | [HP] | [HP] | [HP] | [HP] |
| CAT 1-50° | .97 | 2.28 | 16 | 21 | 25 | 32 |
| CAT 3-50° | 1.13 | 2.62 | 31 | 41 | 48 | 63 |
| CAT 4-50° | 1.25 | 3.20 | 57 | 77 | 87 | 119 |
| CAT 6-50° | 1.53 | 4.30 | 117 | 151 | 179 | 232 |

This Weasler product is designed and developed for:



- Grain Augers
- Combine Headers
- Mower Conditioners
- Lawn & Turf

WE0101001-0118

For more information see our website: www.weasler.com