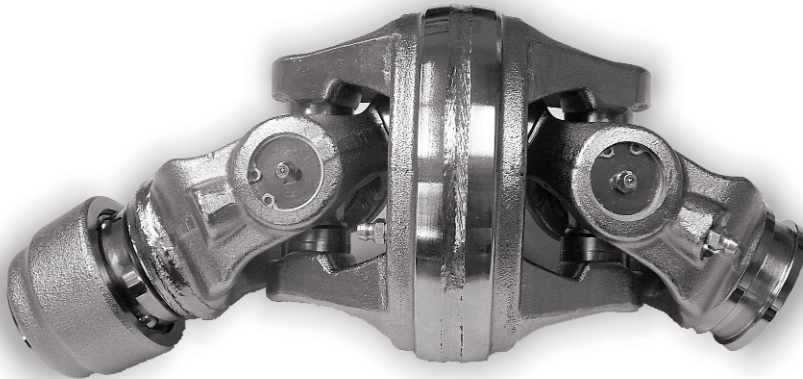




Weasler®

CV JOINT

80° CONSTANT VELOCITY



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 UP TO 232 HP (173 kW) AT 1000 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
- NUMEROUS TELESCOPING MEMBERS TO MEET APPLICATION REQUIREMENTS
- AUTO-LOK YOKES AVAILABLE FOR EASE OF ATTACHMENT
- ARTICULATED GUARD SYSTEM PROVIDES FULL COVERAGE AT MAXIMUM ANGLE
- CAN BE LUBRICATED WITH THE GUARD SYSTEM IN POSITION
- GUARD SYSTEMS MEET ALL INTERNATIONAL STANDARDS
- "E" CROSS AND BEARING KIT AVAILABLE FOR INCREASED DYNAMIC CAPACITY
- EXTENDED LUBRICATION DESIGN AVAILABLE FOR REDUCED MAINTENANCE

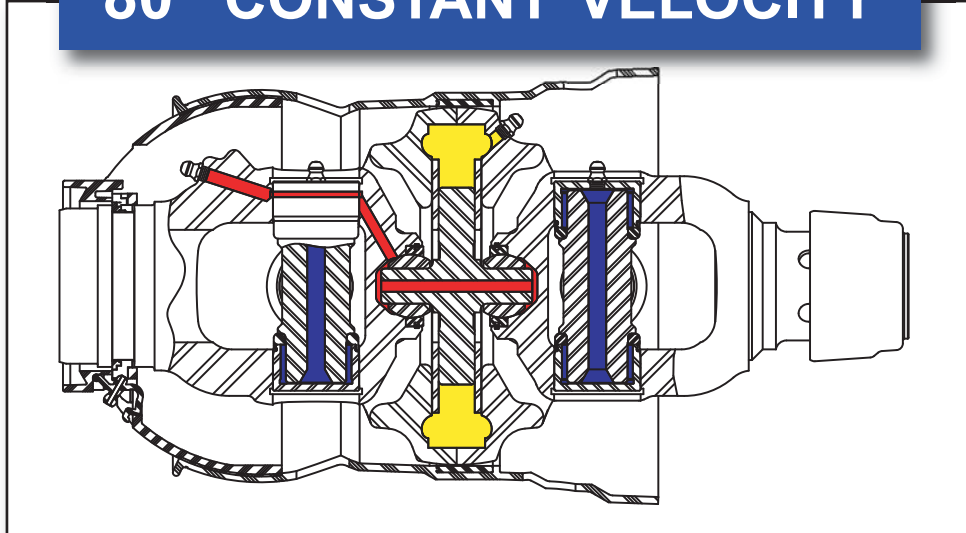
Quality fits. Every time.



Weasler®

CV JOINT

80° CONSTANT VELOCITY



DESIGN FEATURES

- 80° MAXIMUM SHORT DURATION OR STANDSTILL OPERATION

WARNING: OPERATING BEYOND 80° WILL RESULT IN JOINT DAMAGE

- 25° MAXIMUM CONTINUOUS OPERATION

NOTE: OPERATING CONDITIONS MUST BE REVIEWED BY WEASLER APPLICATIONS ENGINEERING

- 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 (PATENTED)
- 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)



Weasler®

**80° CONSTANT VELOCITY JOINT
OVER ANGLE NON-OPERATING**

These pictures show damage resulting from turning an 80° CV beyond the 80° design limit while the driveline is not operating. Both sides of the same center housing are shown. Side 1 shows a sheared pin and indentation where the pin contacted the center housing. Side 2 shows an indentation where the pin contacted the center housing, note the pin did not shear on Side 2. The ball and socket yoke shows an indentation caused when the pin contacted the center housing.



SIDE 1



SIDE 2



SIDE 1



BALL & SOCKET YOKE



Weasler®

**LACK OF GREASE
CROSS & BEARING KIT**

These pictures show examples of damage caused by a lack of grease in the cross and bearing kit.



TRUNION & YOKE EAR



TRUNION & YOKE EAR



TRUNION



TRUNION