

For Immediate Release

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Zero-Max Introduces New ServoClass®-HSN Resonance/Vibration Damping Couplings –Stable Control In Challenging Stepper/Servo Motor Applications

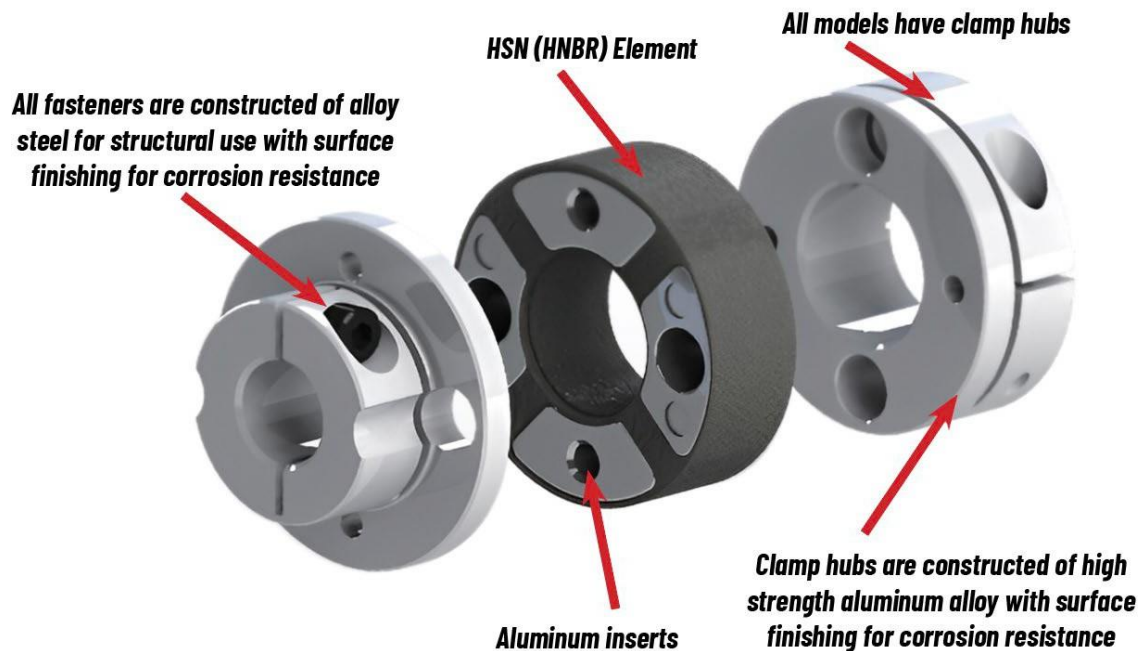
DK-Silkeborg: Zero-Max has added to their field-proven ServoClass Flexible Shaft Coupling line with the introduction of the new ServoClass-HSN Coupling to address noise and vibration issues that can be experienced in certain high gain, high speed stepper/servo motor applications.

Featuring a Highly Saturated Nitrile Rubber (HSN/HNBR) flex element, these couplings are specifically designed for maximum damping and performance. Applications having a high gain, high speed response frequency and lower torsional stiffness of the driven components can benefit from this design. Incorporating the field-proven ServoClass clamping hub system, hubs are manufactured of aluminum alloy for maximum strength, durability, and are treated to prevent oxidation and to preserve appearance. The zero-backlash design of the ServoClass-HSN also features an optimal torsional stiffness to provide low hysteresis and ensure repeatable, accurate positioning in applications requiring increased damping properties. Additional features include:

- Low Inertia
- High Misalignment Capacity
- Low Reaction Loads under Misalignment
- Corrosion-Resistant Fasteners RoHS Compliant
- Electrical Isolation
- Fast and Easy Installation

The technology in the ServoClass-HSN design and the application acumen of Zero-Max Engineers provide a superior solution for the demanding needs of high gain, high speed stepper/servo motor applications. Types of applications can vary, but high speed linear actuators, high response gantry systems, pick-and-place systems, semiconductor manufacturing equipment, and other high speed, fast response servo/stepper motor systems are typical examples.

ServoClass®-HSN Resonance/Vibration Damping Couplings



The ServoClass®-HSN couplings with unique HSN(HNBR) Element have an elegant and robust design that ensures repeatable, precise positioning in high-speed applications.

The Zero-Max ServoClass flexible shaft coupling line is known worldwide for its reliable high performance operation. The new ServoClass-HSN series adds a focused high damping/anti-vibration coupling option to the field-proven ServoClass metal disc model lineup. The ServoClass-HSN combines the increased damping coefficient of the engineered flex element with the proven ServoClass clamping hub design. In contrast to the rest of the ServoClass line, the HSN coupling is ideal for applications that don't require the highest level of torsional stiffness, but benefit from its superior vibration damping characteristics.

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