

November 6, 2025

Company Name: NHK Spring Co., Ltd.
 Securities Code: 5991 (TSE Prime Market)

NHK Spring Develops the Hybrid Conducting Spring/Structure Series of High-Performance Metal Springs

Proprietary structure designed for high-current capacity and heat transmission, contributing to the advancement of vehicle electrification

NHK Spring Co., Ltd. (Head Office: Yokohama; President & COO: Kazuhisa Uemura) is pleased to announce that it has developed a spring product under the brand Hybrid Conducting Spring/Structure designed for use in busbars connecting inverters and electrical components in electric vehicles.

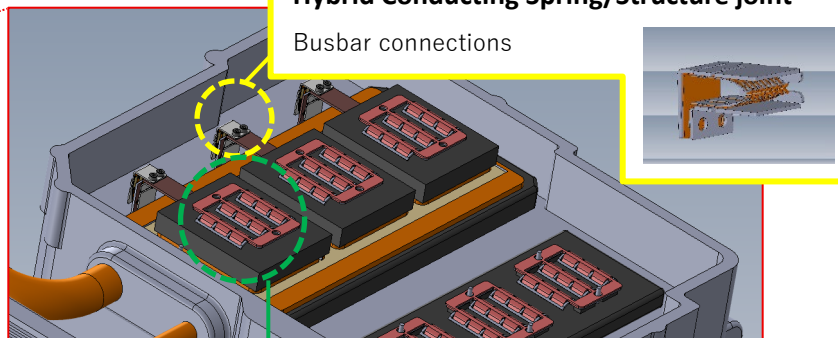
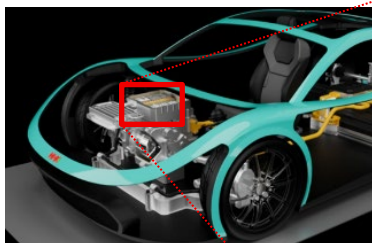
The new product features a hybrid structure combining leaf springs with different metal members, achieving both spring function and high electrical conductivity, as well as enhanced heat transmission capabilities. This product is currently on display at the Japan Mobility Show 2025*1. We sincerely hope that all interested parties will take the opportunity to see the product in person.

NHK Spring remains committed to leveraging its expertise on metal-processing technology to supply indispensable key components and contribute to the advancement of a prosperous society.

<Overview and Features>

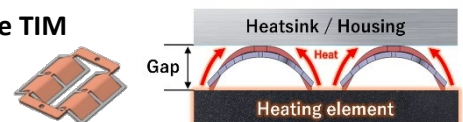
Item	Hybrid Conducting Spring/Structure Joint	Hybrid Conducting Spring/Structure TIM *2
Outline	Electrical contact spring capable of handling high-current	Spring with excellent heat transmission properties
Features	- Usable even under high-currents of up to 500 A - Easy assembly and durable fastening sections	- Structure designed for efficient heat transmission - Maintains stable contact even in uneven gaps
Applications	Busbar connections, etc.	Heat transmission for electronic components, etc.

<Application Example: Inverter in Electric Vehicles>



Hybrid Conducting Spring/Structure TIM

Heat transmission and clamping for power semiconductors



- ※1 NHK Spring Booth at Tokyo Big Sight, West Halls 3 & 4 (Booth No. W4106)
- ※2 TIM: Abbreviation for Thermal Interface Material - a thermally conductive material inserted between a heat-generating device and a heat-dissipating component.

【Contact for inquiries regarding this announcement】

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