

## **NIPPON KINZOKU Have Developed Stainless Steel Grating Component Products that Accommodate a Variety of Designs**

**~We Offer Highly Original Design Gratings~**

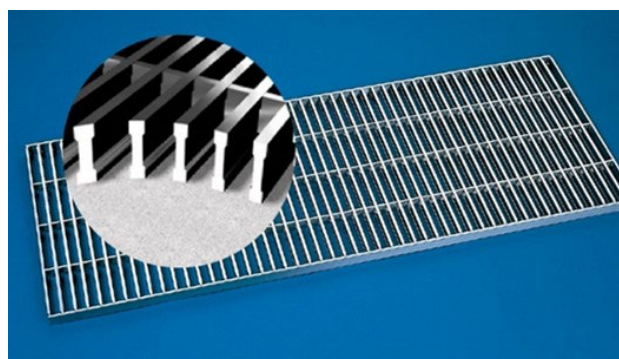
NIPPON KINZOKU CO., LTD. (TOKYO: 5491, Headquarters: Minato-ku, Tokyo) have announced that we have developed stainless steel grating component products that is compatible with a variety of designs.

Our grating component products, including the profile rolled "I bars" and the lightweight, welded "T bars," have been well received. In particular, I bars are grating component products that, compared to flat bars, can be lighter and cost-effective by having a thinner plate in the center, and also have superior load resistance due to work hardening during rolling. Another feature is that the tread surface has a knurling pattern or a special uneven pattern, which prevents slipping (\*) and improves the design and appearance. We have now further developed this and developed a product that can accommodate a variety of designs by adding letters, marks, patterns, etc.

\*: The anti-slip effect varies depending on the knurling pattern.



I bar with company emblem and "NIPPON KINZOKU" logo



Grating using I bars

For example, if the grating is to be delivered to a local government, expressing the name of the local government or the emblem of the city on the tread can be expected to have the effect of deepening interest in the local government. Similarly, it is expected to be used in a variety of situations such as stations, complexes, buildings and factories. We work together with our customers to create highly original stainless steel grating components and propose new grating designs.

This product is Eco-products (Environmentally friendly products and services) that combine existing technologies with “Near Net Shape” (Engineering complicated product moldings that are close to the final product geometrics), “Near Net Performance” (Achieving performances that are required in the final products with materials and components) as keyword, in line with the vision of the 11th management plan "NIPPON KINZOKU 2030". And this is an attempt to develop new demand.

#### Grating component product overview

Grating used in various scenes. The required functions vary, including strength, corrosion resistance, and aesthetics. NIPPON KINZOKU's grating components meet customer needs with our experience and unique technology.

URL: <https://www.nipponkinzoku.co.jp/products/grating-parts> (Japanese)

#### Profile rolled product overview

Profile rolling can improve strength and reduce weight. Performance can be improved by modifying the properties and cross-section of the metal, such as improving wear resistance through work hardening or reducing weight through thinner walls.

URL: <https://www.nipponkinzoku.co.jp/products/steel> (Japanese)

#### About the vision of the 11th Business Plan “NIPPON KINZOKU 2030”

We have set our vision “Multi & Hybrid Material Company that creates new eco and human friendly values together ~By rolling and composite forming a wide variety of materials, we achieve the performance required for the final product and contribute to the future of people and the earth~” in our 11th Business Plan.

We will continue to develop products with an eye to the future using our proprietary technology, and aim to transform our business structure with a focus on new technologies and new products that meet new needs.

Note: This document has been translated from a part of the Japanese original for reference purposes only. In the event of any discrepancy between this translated document and the Japanese original, the original shall prevail.

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<https://www.nipponkinzoku.co.jp/en/inquiry>