

Nippon Yakin Kogyo Successfully Manufactures 4 Feet Wide Coils of Corrosion-Resistant High Ni Alloy NAS625 (UNS N06625)

Nippon Yakin Kogyo Co., Ltd.

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Nippon Yakin Kogyo Co., Ltd. (NYK) recently succeeded in manufacturing 4 feet (1219 mm) wide coils of NAS625 (62Ni-22Cr-9Mo-3.7Nb-0.2Ti-0.2Al); a corrosion-resistant high Ni alloy.

Before this success, at the end of 2015, NYK has successfully manufactured 4 feet wide coils of NAS NW276 (UNSN10276) by reducing the rolling load during hot rolling, and by utilizing this knowledge gained from NAS NW276 production, NYK discovered suitable conditions for NAS625.

As a very few worldwide producers can supply 4 feet wide coils of NAS625 (UNS N06625) , NYK expects a new market and plans to begin full-scale production and sales by the beginning of fiscal year 2017 after further optimization of manufacturing conditions.

Corrosion-resistant high Ni alloys such as NAS625 and NAS NW276 are used under various severe corrosion environments, and in recent years, there have been increasing needs for wider coil products in order to achieve high efficiency in welding work, etc. Expected fields of demand include plate-type heat exchangers, oil and gas refining equipment, chemical tanks and water treatment equipment, among others.

NYK has already started sales of 4 feet wide coils of NAS NW276, and expects a sales volume of 400-500 ton/year in fiscal year 2016.

Photo: 4 feet wide coil of NAS625

