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**Corrosion-resistant and heat-resistant
superalloy, nickel and nickel alloy — Bars**

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Stainless Steel Association (JSSA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS G 4901** : 2008), which has been technically revised, and **JIS H 4553** : 1999, which has been withdrawn.

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NCF020	Nippon Yakin Kogyo Co., Ltd.	Fe-Ni-Cr based alloy and production method therefor having excellent sulfuric acid corrosion resistance, intergranular corrosion resistance and surface properties	5950306	17 June 2016
NW6210	Hitachi Metals, Ltd.	The Ni-base alloy excellent in hot forging property and corrosion resistance	5725630	10 April 2015

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Corrosion-resistant and heat-resistant superalloy, nickel and nickel alloy — Bars

1 Scope

This Japanese Industrial Standard specifies requirements for corrosion-resistant and heat-resistant superalloy, nickel and nickel alloy bars (round bars, square bars, hexagonal bars and flats, hereafter generically referred to as “bars”).

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS B 0401-2 *Geometrical product specifications (GPS) — ISO code system for tolerances on linear sizes — Part 2 : Tables of standard tolerance classes and limit deviations for holes and shafts*
- JIS G 0201 *Glossary of terms used in iron and steel (Heat treatment)*
- JIS G 0202 *Glossary of terms used in iron and steel (Testing)*
- JIS G 0203 *Glossary of terms used in iron and steel (Products and quality)*
- JIS G 0320 *Standard test method for heat analysis of steel products*
- JIS G 0321 *Product analysis and its tolerance for wrought steel*
- JIS G 0404 *Steel and steel products — General technical delivery requirements*
- JIS G 0415 *Steel and steel products — Inspection documents*
- JIS G 0551 *Steels — Micrographic determination of the apparent grain size*
- JIS G 0567 *Method of elevated temperature tensile test for steels and heat-resisting alloys*
- JIS H 1270 *Nickel and nickel alloys — Sampling and general rules for analytical methods*
- JIS Z 2241 *Metallic materials — Tensile testing — Method of test at room temperature*
- JIS Z 2243-1 *Brinell hardness test — Part 1 : Test method*
- JIS Z 2245 *Rockwell hardness test — Test method*
- JIS Z 2343-1 *Non-destructive testing — Penetrant testing — Part 1 : General principles — Method for liquid penetrant testing and classification of the penetrant indication*
- JIS Z 2344 *General rule of ultrasonic testing of metals by pulse echo technique*