

Achievement of various characteristics in addition to corrosion resistance

Nippon Koshuha's corrosion resisting materials that came into existence by original technology.

Advanced corrosion resistance is requested from the materials that supports a present technology like electronics and the chemical industry, etc. It is Nippon Koshuha's corrosion resisting materials to respond such a request from the front. It is materials that have corrosion resistance to various corrosive environments, the mechanical property and the physical property. The application to a wide usage such as parts of the food industry device, the chemical plant, and the electronic equipment is possible.



Glasses material



Bolt, screw, and nuts manufactured from special alloys

Corrosion resisting material					
Class	Grade	Equivalent alloy	Principal chemical composition	Characteristic	Example of usage
Pure nickel	KTA200	Nickel 200	99Ni	Good cold workability Good corrosion resistance	Device for food industry, Electronic part, Use for caustic soda industry
	KTA201	Nickel 201	99Ni-Low C	Good cold workability Good corrosion resistance in corrosive environment	Use for caustic soda industry, Electronic parts, Plating board.
Nickel - copper alloy	KTA-M400	MONEL 400	67Ni-32Cu	Excellent corrosion resistance to chloride, sulfuric acid, and alkali. ◦	Equipment for seawater plant and ship, Use for glass.
	KTA-K500	MONELK 500	67Ni-30Cu-2.5Al-0.5Ti	Higher strength than M400 Corrosion resistance equal with M400	Seawater plant equipment, Vane, Spring, Pump shaft, Bolts
Iron-base alloy	KTA800	INCOLOY 800	32Ni-21Cr-Fe	Strong in stress corrosion cracking and the sulfur attack	Heat exchanger, Parts for petrochemistry and heating furnace.
	KTA825	INCOLOY 825	42Ni-22Cr-3Mo-Fe	Good corrosion resistance in a severe corrosive environment such as sulfuric acid and seawater	Equipment for chemical industry and seawater dealings
Nickel	KTA625	INCONEL	61Ni-22Cr-	Excellent corrosion	Equipment for chemical

radical alloy		625	9Mo-3.5Nb-2Fe	resistance in a severe corrosive environment such as sulfuric acid and seawater	industry and seawater dealings
	KTA-HB	HASTELLOY B	65Ni-28Mo-5Fe	Excellent corrosion resistance in hydrochloric acid and reducing atmosphere	Petrochemistry equipment, Acid tanks.
	KTA-HC276	HASTELLOY C	55Ni-15Cr-2.5Co-16Mo-4W-5Fe	Good corrosion resistance in oxidizing and reducing atmosphere	Chemical industry equipment
	KTA-HG	HASTELLOY G	45Ni-22Cr-6.5Mo-2Cu-2Nb-20Fe	Excellent corrosion resistance for a hot hydrochloric acid	Equipment for chemical industry and pollution control equipment

The trademark quoted on this page and the proprietary rights are as shown in the following.

Trade mark	Name of the company	Trade mark	Name of the company
DISCALOY	Westinghouse Electric	KOVAR	Carpenter technology
ELINVAR	Imphy Alloys	MONEL	INCO Alloys
HASTELLOY	Haynes International	NIMONIC	INCO Alloys
INCONEL	INCO Alloys	NISPANC	INCO Alloys
INCOLOY	INCO Alloys	WASPALLOY	United Technologies.
INVAR	Imphy Alloys		