

Nippon Koshuha's welding materials have excellent characteristic, and tie to the metal the industry.

Welding materials have been used in each field of the industry, and the characteristic matched to each usage is requested. Nippon koshuha's welding materials are materials of custom-made manufactured by the best production technique matched to customer needs in compliance with severe needs of such an industry. In fields such as the different kind metal welding and the building up welding such as the chemical industries and construction machineries, it receives high acclaim.



Welding material(Wire · FCW)

Welding materials			
Class	AWS A5.14 standard	Principal chemical composition	Example of usage
Pure Ni	ERNi-1	96Ni-2.8Ti	Welding of pure Ni, Welding of pure Ni and carbon steel / stainless steel, Building up welding to Ni alloy / cast iron
Ni-Cu	ERNiCu-7	66Ni-30Cu-2Ti-Al	Welding of Monel. Welding of Monel and carbon steel.
Ni-Cr-Fe	ERNiCr-3	72Ni-20Cr-3Mn-2.5Nb	Welding of Inconel 600 / Incoloy 800, Welding of heat and corrosion resisting material
	ERNiCrFe-5	72Ni-16Cr-8Fe-2.3Nb	Welding of Inconel 600 type, Building up welding to carbon steel.
	ERNiCrFe-6	72Ni-16Cr-6Fe-3Ti-2.5Mn	Welding of carbon steel and Ni alloy / stainless steel, Building up welding to carbon steel.
	ERNiCrFe-7	72Ni-16Cr-7Fe-2.5Ti-1Nb	Welding of Inconel X750
	ERNiFeCr-1	42Ni-30Fe-22Cr-3Mo-2Cu	Welding of Incoloy 825.
Ni-Mo	ERNiMo-1	65Ni-28Mo-5.5Fe	Welding of Hastelloy B, Building up welding to carbon steel
	ERNiMo-3	63Ni-25Mo-6Fe-5Cr	Different kind material welding between Hastelloy / Inconel and other material
Ni-Cr-Mo	ERNiCrMo-1	45Ni-22Cr-20Fe-7Mo-2Nb-2Cu	Welding of Hastelloy G
	ERNiCrMo-2	48Ni-22Cr-19Fe-9Mo-0.5W	Welding of Hastelloy G, Different kind material welding of Hastelloy, Building up welding
	ERNiCrMo-3	62Ni-22Cr-9Mo-3.5Nb-3Fe	Welding of Inconel 625, Different kind material welding of Inconel 625, Building up welding
	ERNiCrMo-5	58Ni-15Cr-16Mo-6Fe-4W	Welding of Hastelloy C, Different kind material welding of Hastelloy C, Building up welding

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	Haynes International	MONEL	INCO Alloys
HASTELLOY	Haynes International	NIMONIC	INCO Alloys
INCONEL	INCO Alloys	NISPANC	INCO Alloys
INCOLOY	INCO Alloys	WASPALLOY	United Technologies.
INVAR	Imphy Alloys		