

Rustproof spirit level - electroless nickel plating specification -

Most inaccuracies in spirit levels are caused by wear and rust.

Our flat spirit levels use iron as the base material, allowing for surface treatment.

Electroless nickel plating not only improves wear resistance but also allows for processing while maintaining the accuracy after grinding.

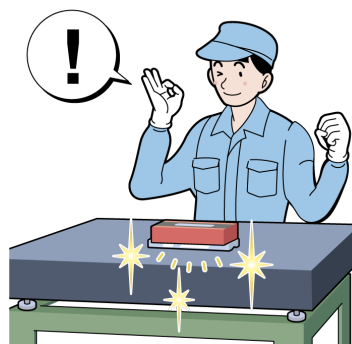
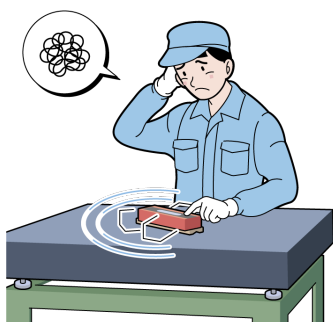
This enables us to provide spirit levels that are highly resistant to rust and wear while maintaining high-precision flatness.



*This instrument is not a JIS-compliant product, therefore the JIS mark cannot be affixed.

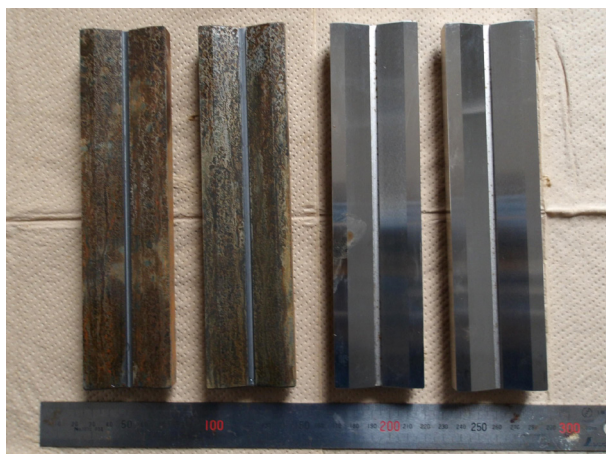
However, the bubble level accuracy is equivalent to that of JIS standard products.

Product No	Size (mm)	Sensitivity (mm/m)	Flatness (mm)	Weight (kg)
06-020-150	150	0.02	0.005	1.3
06-020-200	200			1.7



We observed the effects of a salt spray test on bases of the same shape.
When comparing cast iron (FC250) and iron (SK-3 + electroless nickel plating), slight corrosion was observed on the electroless nickel plated base after 24 hours, but there was almost no change in flatness compared to before the test.
This suggests that electroless nickel plating can be expected to maintain a long and stable level of flatness.

Three hours after the start of the exam



Cast iron (FC250)

Electroless nickel plating (SK-3)

24 hours after the start of the test



Cast iron (FC250)

Electroless nickel plating (SK-3)