

Surface Quality Comparison Plate

SD-PLATE **RoHS** Catalog Code **W2090**

A limit sample for comparative inspection in the visual inspection of optical glass product.
“Surface quality comparison plate” facilitates the visual inspection.



● Inspection of Scratch and Dig

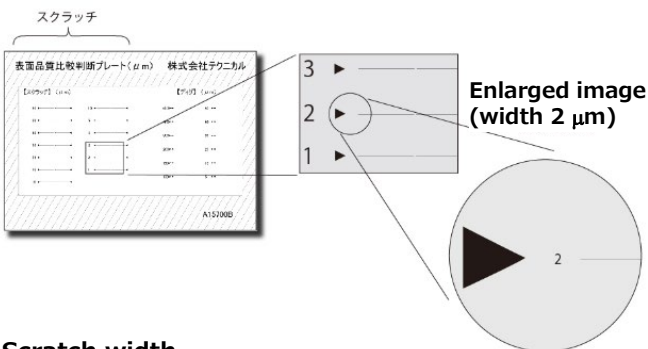
It often relies on the inspector's sense of judgment of the “appearance of scratches and digs” against a comparison plate. And the quality of the product is affected by this. (outflow of defective product or excessive-quality)

This “surface quality comparison plate” is manufactured to judge based on objective dimensions instead of the inspection based on the senses.

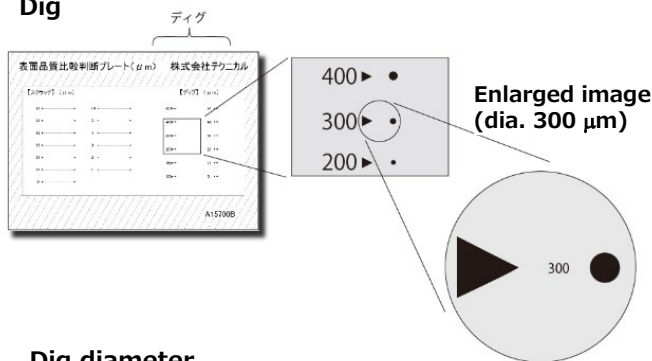
The dimensions of the width of scratch and the diameter of dig for comparison are all indicated in absolute value in μm units. It enables more direct and accurate comparison and judgment than conventional products.

Specifications

Scratch



Dig



Scratch width

width.(μm) 80 60 40 30 25 20 15 10 5 4 3 2 1

Dig diameter

dia.(μm) 600 400 300 200 150 100 50 40 30 20 10 5

Feature

● Width can be recognized under microscope

The width can be easily identified by the small letters written right beside the scratch which can be observed even in the field of view of a microscope.

It allows speedy inspections without errors.

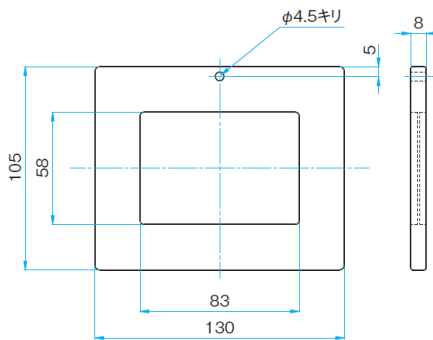
● Accurate width

The line width is extremely precise, produced by a drawing machine for semiconductors

● No need to select a light source

Can be used under various light sources such as fluorescent lamps, light bulbs, and condensers.

Figure(mm)



Visual inspection under 100W light bulb



Inspection with microscope



Plastic holder attached

Part Number	JP Yen [¥]	Material	Outer Dimensions of Plate Body [mm]	Weight [kg]
A15700B	57,000	Synthetic Quarts Glass	90 x 65 x 1.5t	0.091kg