

SRC-340/341

Surface Roughness Comparator



A precision Nickel Comparator Plate that conforms to International Standard ISO 8503 and ASTM D4417 for grit and shot blasted surface roughness comparison.

The SRC-340 (Grit) and SRC-341 (Shot) Surface Roughness Comparators can be used to assess the roughness of the surface of a substrate which has been blasted with shot or grit.

The classification of blast cleaned surfaces is subjective. In order to assist regular and consistent classification shot blasted surfaces can be defined as angular (after blasting with grit), or dimpled (after blasting with shot), and furthermore into three grades: Fine, Medium, Course (as per ISO 8503).

The grades are defined as follows:

- Fine : profile equal to segment one and up to but excluding segment two.
- Medium : profile equal to segment two and up to but excluding segment three.
- Course : profile equal to segment three and up to but excluding segment four.

The relevant Comparator can be placed against the blasted surface and each of the four sections compared with the surface finish assisted with the use of an illuminated magnifier.

The Comparator is supplied in a protective case.

Complies with International Standards: ISO, 8503-1, ISO 8503-2, ASTM D 4417-AABS 772

SURFACE COMPARATOR SPECIFICATIONS

Part no.	Model type	Section profiles Metric	Section profiles Imperial
7863400	Grit	25µm, 60µm, 100µm, 150µm	1mils, 2.4mils, 4mils, 6mils
7863410	Shot	25µm, 40µm, 70µm, 100µm	1mils, 1.6mils, 2.8mils, 4mils
7865580	Illuminated Magnifier 2.5x (for viewing the Surface Comparator)		

Related Literature

LT9000E	AIE Airblast Inspection Equipment - The Guide
LT9360E	Data Sheet - SPG-360 Surface Profile Gauge
MN9340E	Instruction Manual - SRC-340/341 Surface Comparator
MN9360E	Instruction Manual - SPG-360 Surface Profile Gauge