

OPERATION MANUAL

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SRC-340/341 SURFACE ROUGHNESS COMPARATORS



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OPERATION

Select the appropriate surface profile reference comparator. The Grit Comparator is for comparing profiles after blast-cleaning with grit abrasives, and the Shot Comparator is for comparing profiles after blast-cleaning with shot abrasives.

Place the selected Comparator against an area of the test surface. Compare in turn the test surface with the four sectors of the Comparator, either directly or by using the x10 Illuminated Magnifier. The Comparator should be placed so that the test surface is viewed simultaneously with a segment of the comparator. Assess the profiles on the comparator that are nearest to the profile of the test surface and determine its grade from the following:

Fine-grade profiles equal to segment 1 and up to but excluding segment 2.

Medium-grade profiles equal to segment 2 and up to but excluding segment 3.

Coarse-grade profiles equal to segment 3 and up to but excluding segment 4.

If any profile is assessed as below the lower limit for the Fine grading, assess this grading as Finer than Fine. If any profile is assessed as greater than the upper limit for the Coarse grading, assess this grading as Coarser than Coarse.

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