

## MOT STRAIGHT EDGE

Code : A047



- Used to measure individual irregularities that can be attributed to quality defects in both newly constructed surface courses of roads, airfields, and other trafficked surfaces.
- This test method cannot be used to gather information about the overall profile or general unevenness. Single irregularities are inherently random, and as a result, there are no specified routine sampling rates or precision data for them.
- A straightedge is utilized to determine the distance of a surface from the plane of its measuring edge. The measurement edge of the straightedge must be easily distinguishable.
- The straightedge has a length of 3 meters and a sturdy construction, ensuring that when suspended at its endpoints, its measuring edge remains within  $\pm 0.5$  mm of a true plane at any point. Additionally, the straightedge must be perfectly straight along its entire length.
- To measure the distance between the measurement edge and the surface, a calibrated wedge of length  $(300 \pm 1)$  mm and width  $(25 \pm 1)$  mm shall be used. The wedge will have permanent markings on the slope plane, with increments of 1 mm for the first 10 mm and 2.5 mm increments beyond that point. The true height at each marked increment must be accurate to  $\pm 0.1$  mm.

## **STANDARDS**

EN 13036-7 • BS 8420

## **ORDERING INFORMATION**

| Item                        | Code         |
|-----------------------------|--------------|
| MOT STRAIGHTEDGE, EN - 3 m  | A 047 X03E H |
| MOT STRAIGHTEDGE, BS - 4 m  | A 047 X04B H |
| WEDGE for MOT STRAIGHT EDGE | A 047 P001 H |