



Semi-Circular Bend Test Fixture

Semi-Circular Bend Test Fixture is designed to be used in Marshall Stability load frames that determines low temperature fracture energy and toughness of asphalt mixtures. Semicircular asphalt specimens are easily cut with the Superpave Gyratory compacted cylinders or filed cores that have a diameter of 150mm.

When in use a specimen is positioned with the flat side on two rollers and a load applied along the vertical diameter. Load and displacement are measured through this process to calculate test results. Polytetrafluorethylene strips help to minimize the friction of the loading fixture.

The Semi-Circular Bend Test Fixture consists of:

- 0.5in thick steel base plate
- Two L-shaped roller support steel blocks
- Two steel rollers
- A U-shaped frame

