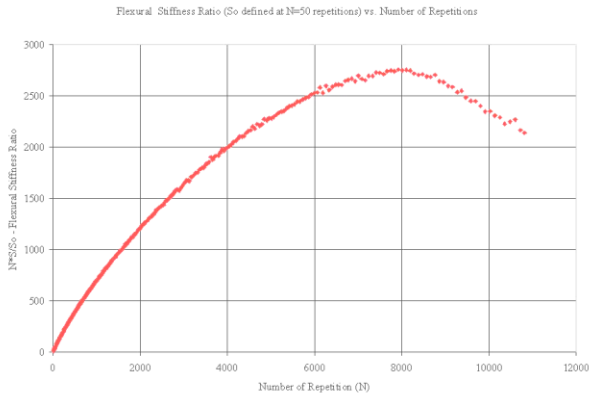
Beam Flexural Fatigue System (BFFS-P)

- Meets ASTM D7460 and AASHTO T321 standards
- Complete, stand-alone testing system
- 5 kN load capacity at up to 10 Hz
- Designed for 75 mm by 75 mm by 381 mm prismatic specimens
- Temperature stability chamber to keep temperature constant during testing (21°C)
- Includes servo-controller and data acquisition system with software to automatically determine fatigue life parameters



DESCRIPTION

The GCTS Beam Flexural Fatigue System (BFFS-P) provides a complete solution for Beam Flexural Fatigue tests. A servo-controlled, pneumatic load frame is used to hold HMA beam specimens in four places and apply up to 5 kN loads at up to 10 Hz as required by ASTM and AASHTO testing standards.

A temperature stability chamber is used to keep the temperature of the specimen constant throughout the test. The operator can program the chamber to hold at 21°C (+/- 0.5°C precision).

The BFFS-P utilizes the GCTS SCON to control the testing procedures and to provide data acquisition for the load cell, displacement sensor, and temperature. Our advanced Beam Flexural Fatigue software module allows the operator to easily run pre-defined or user-programmed tests and to quickly view relevant test parameters and reports.