

ASTM STANDARDS FOR RESIDUAL STRESS MEASUREMENT

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The origination of, and rationale for the American Society for Testing Materials (ASTM) will be reviewed including the initial rationale concerning failures in railroad equipment. Presently there are approximately 130 ASTM standard-writing technical committees with more than 32,000 volunteer members from about 100 countries. The Residual Stress Measurement Subcommittee is one of the 130 technical committees.

The jurisdiction of the Residual Stress Measurement subcommittee will be described as well as the system for designation of the standards. This will be followed by a discussion of specific residual stress measurement standards, and the process for review and renewal of these standards. Finally the procedure for developing new standards will be explained and new standards in development will be described.