



ASTM E 190-92

Standard Test Method for Guided Bend Test for Ductility of Welds

This test method covers a guided bend test for the determination of soundness and ductility of welds in ferrous and nonferrous products. Defects, not shown by X rays, may appear in the surface of a specimen when it is subjected to progressive localized overstressing. This guided bend test has been developed primarily for plates and is not intended to be substituted for other methods of bend testing.

The specimen is bent in a U-shape die by means of a centrally applied force to the weldment in a flat specimen supported at two positions equidistant from the line of force application. The specimen is forced into the die by a plunger having the shape necessary to produce the desired contour. The convex surface of the bent specimen is examined for cracks or other open defects.

The guided bend test as described in this test method is used to evaluate the quality of welds as a function of ductility as evidenced by their ability to resist cracking during bending.

If you have any questions concerning this particular ASTM method, please feel free to give our office a call at (800) 334-5432 or email us your inquiry at info@nhml.com.

(E190, E-190, E 190)

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