

Construction of riveted metal plates

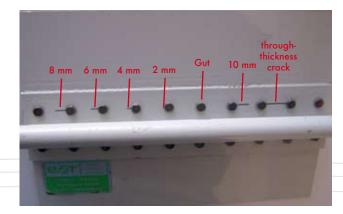
Testing task:

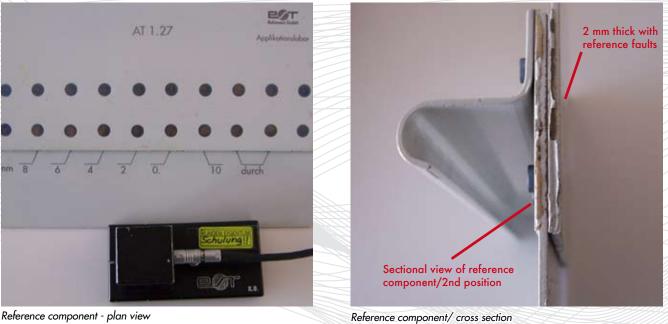
Crack testing on riveted aluminum plates. There are cracks in the 2nd position, starting from the hole for the rivet. The plate is 2 mm thick.





MDK-1 probe for checking for cracks in the riveted plate





Reference component - plan view

Riveted metal plate testing

Test equipment: Equipment: ELOTEST B310/ M2 V3/ M3 Sensor: MDK 1-23 Adapter: B3-RS Lead: EK-2-HF/1

The guidance slot is set with the end stop so that the "Sensor centre" marking is on the centre line of the row of rivets. The sensor is moved along the row of rivets.

End stop for guidance,

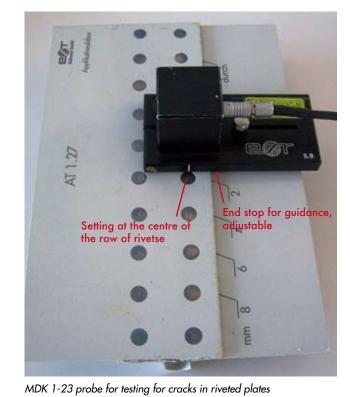
adjustable

Setting at the centre of

the row of rivets

ment i zo probe for realing for crucks in friend plate



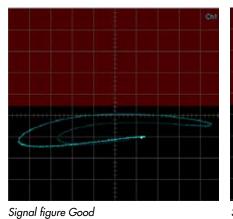


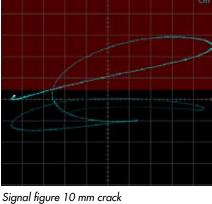


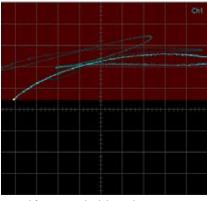
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Aircraft sector application Riveted metal plate testing

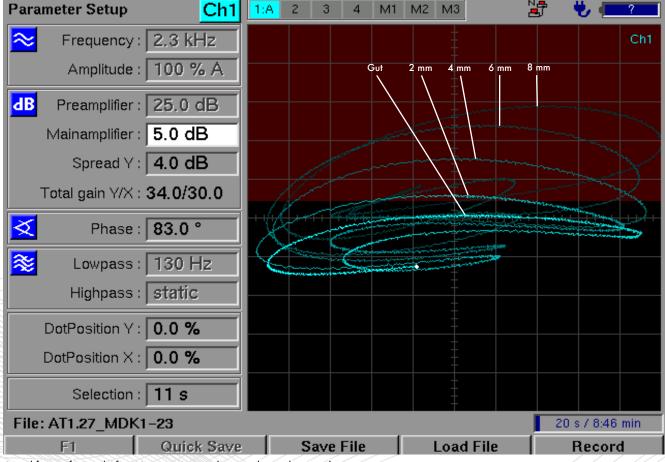
Analysis







Signal figure Cracked through



Signal figures for cracks from 2 mm to 8 mm relative to the quality signal

Analysis of the results:

The length of the crack can be determined from the amplitude of the signal.

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