

Impact of technological parameters upon the sizes of the HAZ on MAGW

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ABSTRACT

The present paper describes the impact of the technological parameters upon the heat-affected zone, in the case of the MAGW with pulsated arc and flux-cored wire. 20 beads were layered on a plate in horizontal position. During the process some of the parameters were kept constant, while some others were changed. As a stand, the ESAB Aristo LUD 320 welding power source and a Railtrac FW 1000 cutting/welding tractor were used for the experiment. After the bead layering, the sizes of the heat-affected zone were measured on the cross sectioned specimens. Finally, the paper presents the conclusions of the experimental program.

References

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