LASER WELDING OF THICK PLATES

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Abstract

Till lately, laser welding was specialized mainly for thin plates. Today power of fiber lasers allows weld the wall up to few tens of millimeters. With regard to fast heat dissipation, welding process requires precise parameters setting. Contribution deals with microstructure, properties and geometry of seams on plates with thickness up to 20mm and impact both on quality and productivity of such process.

Keywords: welding, laser, structure, mechanical tests, microstructure

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