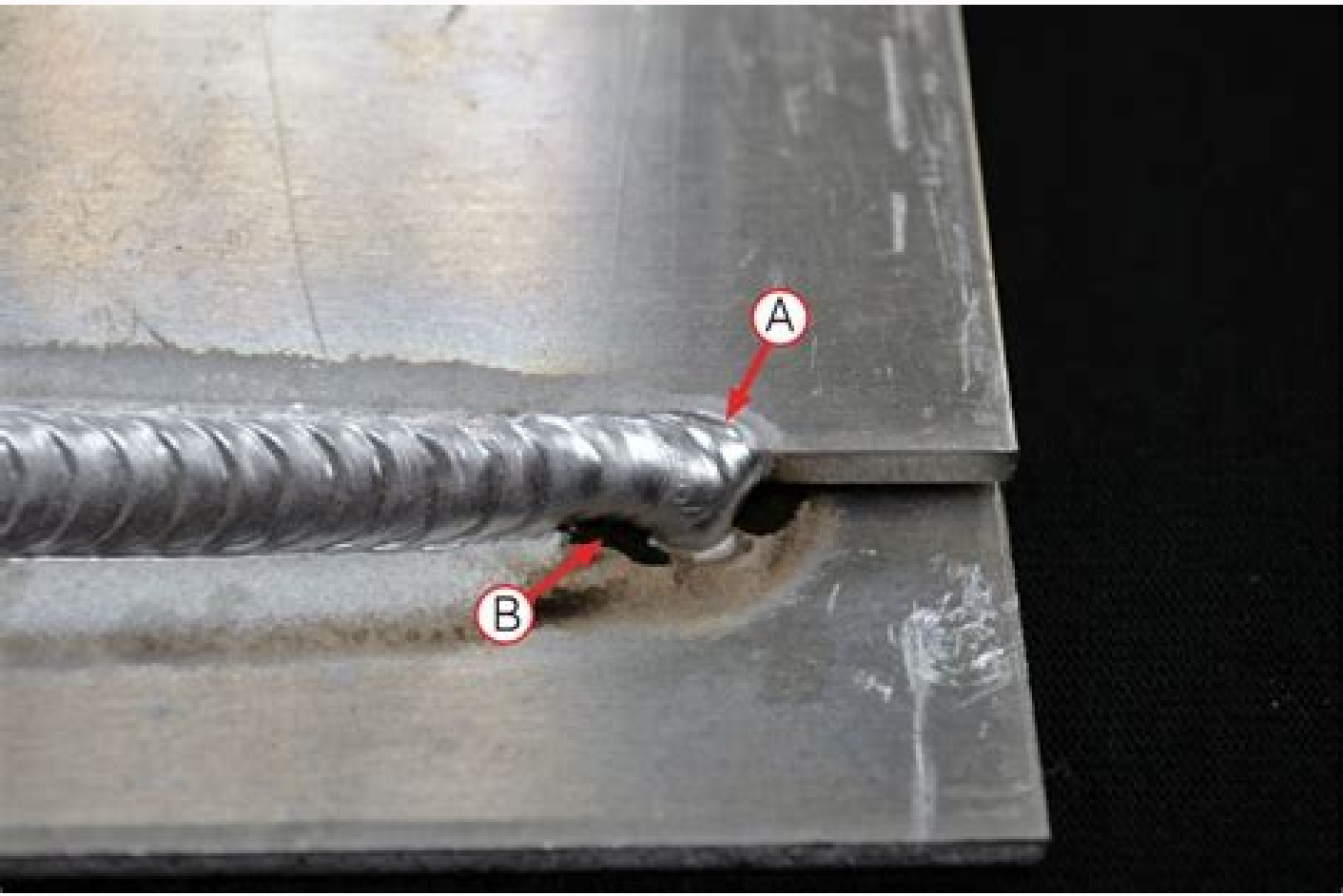


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This article outlines the expanding processes and criteria for expanded-joint production. To ensure leak tightness, the author suggests using seal- or strength-welding followed by expanding tube-to-tubesheet joints. For welded-and-expanded joints, the author further recommends welding and expanding criteria and nondestructive examinations. Standards and codes Worldwide, the vast majority of shell-and-tube heat exchangers used in the CPI are built according to the Standards of the Tubular Exchanger Manufacturers Association (TEMA Standards)[2]. These standards specify expanding as the standard method for joining tubes to tubesheets. Related Content Heat or cool fibrous sludge with this tube-in-tube heat exchanger This new tube-in-tube heat exchanger is designed for heating and cooling sludge that contains fibers and particles, making this equipment... 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