



**SLOVENSKI STANDARD**  
**SIST EN ISO 18278-3:2018**

**01-marec-2018**

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**Uporovno varjenje - Varivost - 3. del: Postopki vrednotenja varivosti pri hibridnem načinu točkovnega uporovnega varjenja in lepljenja (ISO 18278-3:2017)**

Resistance welding - Weldability - Part 3: Evaluation procedures for weldability in spot weld bonding (ISO 18278-3:2017)

Widerstandsschweißen - Schweißeignung - Teil 3: Verfahren zum Bewerten der Eignung für das Widerstandspunktschweißkleben (ISO 18278-3:2017)

Soudage par résistance - Soudabilité - Partie 3: Méthodes d'évaluation de l'aptitude au soudocollage par points (ISO 18278-3:2017)

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**Ta slovenski standard je istoveten z: EN ISO 18278-3:2017**

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25.160.10      Varilni postopki in varjenje      Welding processes

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EUROPEAN STANDARD

EN ISO 18278-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2017

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English Version

## Resistance welding - Weldability - Part 3: Evaluation procedures for weldability in spot weld bonding (ISO 18278-3:2017)

Soudage par résistance - Soudabilité - Partie 3:  
Méthodes d'évaluation de l'aptitude au soudocollage  
par points (ISO 18278-3:2017)

Widerstandsschweißen - Schweißeignung - Teil 3:  
Verfahren zum Bewerten der Eignung für das  
Widerstandspunktschweißkleben (ISO 18278-3:2017)

This European Standard was approved by CEN on 4 June 2017.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## European foreword

This document (EN ISO 18278-3:2017) has been prepared by Technical Committee ISO/TC 44 “Welding and allied processes” in collaboration with Technical Committee CEN/TC 121 “Welding and allied processes” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2018, and conflicting national standards shall be withdrawn at the latest by March 2018.

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ISO  
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**Resistance welding — Weldability —  
Part 3:  
Evaluation procedures for weldability  
in spot weld bonding**

*Soudage par résistance — Soudabilité —*

*Partie 3: Méthodes d'évaluation de l'aptitude au soudocollage par  
points*

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## ISO 18278-3:2017(E)

### Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 6, *Resistance welding and allied mechanical joining*.

A list of all parts in the ISO 18278 series can be found on the ISO website.

Requests for official interpretations of any aspect of this document should be directed to the Secretariat of ISO/TC 44/SC 6 via your national standards body. A complete listing of these bodies can be found at [www.iso.org](http://www.iso.org).

## Introduction

This document describes procedures for evaluating the weldability of weld bonding using the resistance spot welding process by determining the welding current range and electrode life.

These procedures can be used to evaluate the following:

- a) the effect of electrode material, shape, dimensions and electrode cooling;
- b) the effect of material types and thicknesses and coatings being welded;
- c) the effect of welding conditions;
- d) the effect of welding equipment;
- e) the effect of adhesive on welding.

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