

# DIN EN ISO 15610:2023-06 (E)

## Specification and qualification of welding procedures for metallic materials - Qualification based on tested welding consumables (ISO 15610:2023)

---

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>Foreword</b> .....	<b>4</b>
<b>Introduction</b> .....	<b>5</b>
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>7</b>
<b>3 Terms and definitions</b> .....	<b>7</b>
<b>4 Limits of the application of this document</b> .....	<b>7</b>
4.1 Limits related to the welded joint .....	7
4.1.1 Parent material .....	7
4.1.2 Parent material thickness, $t$ .....	8
4.1.3 Fillet weld throat thickness, $a$ .....	8
4.2 Limits common to all welding processes .....	8
4.2.1 Multiple-process welding procedures .....	8
4.2.2 Welding positions .....	8
4.2.3 Welding consumables .....	8
4.2.4 Type of current .....	8
4.3 Limits specific for the welding process .....	8
4.3.1 Processes 131, 132, 133, 135, 136 and 138 .....	8
4.3.2 Processes 141 and 15 .....	9
4.3.3 Process 121 .....	9
<b>5 Preliminary welding procedure specification (pWPS)</b> .....	<b>9</b>
<b>6 Qualification of the pWPS</b> .....	<b>9</b>
<b>7 Welding procedure qualification record (WPQR)</b> .....	<b>9</b>
<b>Annex A (informative) Example of a WPQR form</b> .....	<b>10</b>
<b>Bibliography</b> .....	<b>11</b>