

# DIN EN ISO 17892-12:2020-07 (E)

## Geotechnical investigation and testing - Laboratory testing of soil - Part 12: Determination of liquid and plastic limits (ISO 17892-12:20 18)

---

<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>6</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 Apparatus</b> .....	<b>7</b>
4.1 General .....	7
4.2 Fall cone method .....	8
4.3 Casagrande method .....	10
4.4 Plastic limit equipment .....	11
<b>5 Test procedure</b> .....	<b>12</b>
5.1 Choice of liquid limit method .....	12
5.2 Specimen preparation .....	12
5.3 Determination of liquid limit by the fall cone method .....	13
5.4 Determination of liquid limit by the Casagrande method .....	15
5.5 Determination of plastic limit .....	17
<b>6 Test results</b> .....	<b>18</b>
6.1 Proportion of sample smaller than 0,4 mm .....	18
6.2 Liquid limit by the fall cone method .....	18
6.3 Liquid limit by the Casagrande method .....	20
6.4 Plastic limit .....	20
6.5 Plasticity index .....	21
<b>7 Test report</b> .....	<b>21</b>
7.1 Mandatory reporting .....	21
7.2 Optional reporting .....	21
<b>Annex A (normative) Calibration, maintenance and checks</b> .....	<b>22</b>
<b>Annex B (normative) Additional parameters</b> .....	<b>29</b>
<b>Bibliography</b> .....	<b>31</b>