

# DIN ISO 14635-2:2025-04 (E)

## Gears - FZG test procedures - Part 2: FZG step load test A10/16,6R/120 for relative scuffing load-carrying capacity of high EP oils (ISO 14635-2:2023)

---

<b>Contents</b>		<b>Page</b>
National foreword .....		3
National Annex NA (informative) <b>Bibliography</b> .....		5
Foreword .....		6
Introduction .....		7
<b>1 Scope</b> .....		<b>8</b>
<b>2 Normative references</b> .....		<b>8</b>
<b>3 Terms and definitions</b> .....		<b>8</b>
<b>4 Failure criteria</b> .....		<b>9</b>
<b>5 Brief description of method</b> .....		<b>11</b>
5.1 General principle .....		11
5.2 Precision .....		11
<b>6 Test materials</b> .....		<b>11</b>
6.1 Test gears .....		11
6.2 Cleaning fluid .....		11
<b>7 Apparatus</b> .....		<b>11</b>
7.1 FZG spur-gear test rig .....		11
7.2 Heating device .....		13
7.3 Revolution counter .....		13
7.4 Balance .....		13
<b>8 Preparation of apparatus</b> .....		<b>15</b>
<b>9 Test procedure</b> .....		<b>15</b>
<b>10 Reporting of results</b> .....		<b>16</b>
<b>Annex A (informative) FZG A10-type gear tooth face changes (flank damages)</b> .....		<b>18</b>
<b>Annex B (informative) Typical FZG test report sheet</b> .....		<b>20</b>
<b>Annex C (informative) Checklist for maintenance of FZG gear test rig</b> .....		<b>21</b>
<b>Bibliography</b> .....		<b>26</b>