

# DIN ISO 9022-3:2022-12 (E)

## Optics and photonics - Environmental test methods - Part 3: Mechanical stress (ISO 9022-3:2022)

---

<b>Contents</b>	<b>Page</b>
National foreword .....	3
National Annex NA (informative) <b>Bibliography</b> .....	4
Foreword .....	5
Introduction .....	6
<b>1 Scope</b> .....	<b>7</b>
<b>2 Normative references</b> .....	<b>7</b>
<b>3 Terms and definitions</b> .....	<b>7</b>
<b>4 General information and test condition</b> .....	<b>8</b>
<b>5 Conditioning</b> .....	<b>8</b>
5.1 Conditioning method 30: Shock .....	8
5.2 Conditioning method 31: Bump .....	8
5.3 Conditioning method 32: Drop and topple .....	9
5.4 Conditioning method 33: Free fall .....	9
5.5 Conditioning method 34: Bounce .....	9
5.6 Conditioning method 35: Steady-state acceleration, centrifugal .....	10
5.7 Conditioning method 36: Sinusoidal vibration .....	10
5.7.1 General .....	10
5.7.2 Vibration testing using sweep frequencies .....	10
5.7.3 Vibration fatigue test using characteristic frequencies .....	11
5.8 Conditioning method 37: Random vibration (wide-band) digitally controlled .....	11
<b>6 Procedure</b> .....	<b>12</b>
<b>7 Environmental test code</b> .....	<b>12</b>
<b>8 Specification</b> .....	<b>13</b>