

# DIN EN ISO 1101:2014-04 (E)

## Geometrical product specifications (GPS) - Geometrical tolerancing - Tolerances of form, orientation, location and run-out (ISO 1101:2012 + Cor. 1:2013)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
1 <b>Scope</b> .....		6
2 <b>Normative references</b> .....		6
3 <b>Terms and definitions</b> .....		7
4 <b>Basic concepts</b> .....		9
5 <b>Symbols</b> .....		10
6 <b>Tolerance frame</b> .....		12
7 <b>Toleranced features</b> .....		13
8 <b>Tolerance zones</b> .....		15
9 <b>Datums</b> .....		21
10 <b>Supplementary indications</b> .....		24
11 <b>Theoretically exact dimensions (TED)</b> .....		30
12 <b>Restrictive specifications</b> .....		30
13 <b>Projected tolerance zone</b> .....		32
14 <b>Free state condition</b> .....		35
15 <b>Interrelationship of geometrical tolerances</b> .....		35
16 <b>Intersection planes</b> .....		35
17 <b>Orientation planes</b> .....		38
18 <b>Definitions of geometrical tolerances</b> .....		40
<b>Annex A (informative) Former practices</b> .....		97
<b>Annex B (normative) Assessment of geometrical deviations</b> .....		100
<b>Annex C (normative) Relations and dimensions of graphical symbols</b> .....		104
<b>Annex D (informative) Relation to the GPS matrix model</b> .....		106
<b>Bibliography</b> .....		108