

# DIN EN ISO 14405-1:2026-05 (E)

## Geometrical product specifications (GPS) - Dimensional tolerancing - Part 1: Linear sizes (ISO 14405-1:2025)

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b>		<b>v</b>
<b>Introduction</b>		<b>vii</b>
<b>1</b>	<b>Scope</b>	<b>1</b>
<b>2</b>	<b>Normative references</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions</b>	<b>2</b>
<b>4</b>	<b>General</b>	<b>13</b>
4.1	Specification modifiers and symbols	13
4.2	Linear sizes	14
<b>5</b>	<b>Basic linear size specification</b>	<b>16</b>
5.1	General	16
5.2	Indication of a basic linear size specification	17
5.2.1	General	17
5.2.2	Indication of the diameter symbol	17
5.2.3	Indication of a basic linear size specification on one line	17
5.2.4	Indication of a basic linear size specification on two lines	18
5.3	Tolerancing of fits on assembly drawings	19
<b>6</b>	<b>Default specification operator for linear size</b>	<b>19</b>
6.1	General	19
6.2	ISO default specification operator for linear size	19
6.3	Drawing-specific default specification operator for linear size	20
<b>7</b>	<b>Special specification operator for linear size</b>	<b>20</b>
7.1	Stacked linear size specifications	20
7.2	Indication areas	21
7.3	Sequence of specification elements for the linear size specification	22
7.4	Sequence of specification elements for the upper and left indication areas	25
7.5	Sequence of specification elements for the right indication area	26
<b>8</b>	<b>Indication of the tolerated feature on which the size characteristic is defined</b>	<b>26</b>
8.1	Default case	26
8.2	Linear size specification applied individually to several features of linear size	26
8.3	Linear size specification applied to several features of linear size considered as a common tolerated feature of linear size	27
8.4	United feature of linear size	28
8.5	Fixed restricted portion of the feature of linear size	29
8.6	Size characteristic in specific cross-sections of a feature of linear size	29
8.6.1	Size characteristic in one specific cross-section of a feature of linear size	29
8.6.2	Size characteristic in several specific cross-sections of a feature of linear size	30
<b>9</b>	<b>Envelope requirement</b>	<b>31</b>
9.1	Envelope requirement for external features of linear size	31
9.2	Envelope requirement for internal features of linear size	32
<b>10</b>	<b>Indication of linear portion sizes</b>	<b>34</b>
<b>11</b>	<b>Indication of linear section sizes</b>	<b>34</b>
<b>12</b>	<b>Filtration</b>	<b>35</b>

<b>13</b>	<b>Direction feature</b> .....	<b>35</b>
<b>Annex A</b> (normative)	<b>Proportions and dimensions of graphical symbols</b> .....	<b>36</b>
<b>Annex B</b> (normative)	<b>Graphical rules for linear size specifications</b> .....	<b>38</b>
<b>Annex C</b> (informative)	<b>Data handling with statistical sizes</b> .....	<b>41</b>
<b>Annex D</b> (normative)	<b>Linear size specification on a circle as specific section of a cone</b> .....	<b>43</b>
<b>Annex E</b> (normative)	<b>Linear size specification on circles as any longitudinal sections of a torus</b> .....	<b>44</b>
<b>Annex F</b> (normative)	<b>Linear size specifications on parallel opposite lines as any longitudinal sections in half planes</b> .....	<b>45</b>
<b>Annex G</b> (informative)	<b>Former practices</b> .....	<b>46</b>
<b>Annex H</b> (informative)	<b>Sequence of the specification elements</b> .....	<b>51</b>
<b>Annex I</b> (informative)	<b>Relationship to the ISO GPS matrix model</b> .....	<b>52</b>
	<b>Bibliography</b> .....	<b>54</b>