

---

---

**Geometrical product specifications  
(GPS) — Surface texture: Areal —**

**Part 1:  
Indication of surface texture**

*Spécification géométrique des produits (GPS) — État de surface:  
Surfacique —*

*Partie 1: Indication des états de surface*



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
www.iso.org

# Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>vi</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Graphical symbols for the indication of areal surface texture</b> .....	<b>1</b>
<b>5 Composition of complete graphical symbol for areal surface texture</b> .....	<b>3</b>
5.1 General.....	3
5.2 Positions of surface texture requirements.....	3
<b>6 Indication of areal surface parameters</b> .....	<b>4</b>
6.1 Definition of the tolerance.....	4
6.2 Definition of the parameter.....	5
6.3 Indication of manufacturing method or related information.....	5
6.4 Indication of surface lay.....	5
6.5 Indication of machining allowance.....	7
6.6 Position on drawings and other technical product documentation.....	7
6.7 Proportions and dimensions of graphical symbols.....	7
6.8 Orientation of the evaluation area.....	7
<b>7 Coordinate system</b> .....	<b>7</b>
<b>8 Digital product definition data</b> .....	<b>8</b>
<b>Annex A (normative) Proportions and dimensions of graphical symbols</b> .....	<b>9</b>
<b>Annex B (normative) Indications for unambiguous surface texture specifications</b> .....	<b>11</b>
<b>Annex C (informative) Examples of indications of areal surface texture requirements</b> .....	<b>15</b>
<b>Annex D (informative) Recommended procedures for indication of intersection planes</b> .....	<b>19</b>
<b>Annex E (informative) ISO special specification elements for areal surface texture</b> .....	<b>22</b>
<b>Annex F (informative) Relation to the GPS matrix model</b> .....	<b>24</b>
<b>Bibliography</b> .....	<b>25</b>