

---

---

**Technical product documentation —  
Indication of dimensions and  
tolerances —**

Part 5:  
**Dimensioning of structural metal work**

*Technique du produit documentation — Indication des cotes et  
tolérances —*

*Partie 5: Cotes des ouvrages de structure métallique*





**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

	Page
<b>Foreword</b> .....	<b>iv</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 Basic requirements</b> .....	<b>2</b>
<b>5 Simplified dimensioning of structural metal work</b> .....	<b>2</b>
<b>6 Dimensioning of component profile</b> .....	<b>2</b>
6.1 Profile code .....	2
6.2 Dimensioning samples .....	3
6.3 Profile dimensioning in drawing .....	7
<b>7 Detail requirement</b> .....	<b>9</b>
7.1 Typical component dimensioning .....	9
7.2 Dimensioning of bolts and rivets .....	12
7.3 Dimensioning of welding components .....	12
<b>Annex A (normative) Profile graphical symbols</b> .....	<b>14</b>
<b>Annex B (informative) Dimensioning of weld components</b> .....	<b>16</b>