
**Mechanical pencils and leads
for general use — Classification,
dimensions, quality and test
methods —**

**Part 2:
Black leads**

*Porte-mines et mines pour usage général — Classification,
dimensions, qualité et méthodes d'essai —
Partie 2: Mines graphite pour porte-mines*

[ISO 20318-2:2019](https://standards.iteh.ai/standards/iso/737a9a2e-2726-4b07-9889-b69ed507c932/iso-20318-2-2019)

<https://standards.iteh.ai/catalog/standards/iso/737a9a2e-2726-4b07-9889-b69ed507c932/iso-20318-2-2019>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 20318-2:2019](https://standards.iteh.ai/catalog/standards/iso/737a9a2e-2726-4b07-9889-b69ed507c932/iso-20318-2-2019)

<https://standards.iteh.ai/catalog/standards/iso/737a9a2e-2726-4b07-9889-b69ed507c932/iso-20318-2-2019>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

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
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Classification.....	2
5 Quality.....	2
5.1 Bending strength.....	2
5.2 Hardness degree.....	3
6 Dimensions.....	3
7 Test methods.....	4
7.1 Test conditions.....	4
7.2 Bending strength.....	4
7.3 Hardness degree.....	5
7.3.1 General.....	5
7.3.2 Writing density.....	5
7.3.3 Writing test.....	9
7.4 Dimension.....	9
7.4.1 Diameter.....	9
7.4.2 Length.....	9
8 Designation.....	10
Bibliography.....	11

<https://standards.iteh.ai/>

<https://standards.iteh.ai/catalog/standards/iso/737a9a2e-2726-4b07-9889-b69ed507c932/iso-20318-2-2019>