
Rubber and plastics hoses and hose assemblies, wire or textile reinforced types with working pressure equal or above 70 MPa (700 bar) — Specification

Tuyaux et flexibles en caoutchouc et en plastique, types à armature métallique ou textile pour pression de service supérieure ou égale à 70 MPa (700 bar) — Spécifications

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

ISO 23384:2021

<https://standards.iteh.ai/catalog/standards/iso/7d80504b-3adf-43bb-b1ba-01d256e453a4/iso-23384-2021>



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

[ISO 23384:2021](https://standards.iteh.ai/catalog/standards/iso/7d80504b-3adf-43bb-b1ba-01d256e453a4/iso-23384-2021)

<https://standards.iteh.ai/catalog/standards/iso/7d80504b-3adf-43bb-b1ba-01d256e453a4/iso-23384-2021>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

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
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 List of significant hazards	2
4.1 General.....	2
4.2 Hazards due to bursting or leaking of hoses.....	2
4.3 Hazards due to failure of connectors.....	2
4.4 Hazards due to errors by the operator.....	2
4.5 Hazards due to change in length of hose assembly.....	2
5 Classification	2
5.1 Hose types.....	2
5.2 Hose classes.....	3
5.3 Non-conductive hoses.....	4
6 Materials and construction	4
6.1 Hoses.....	4
6.2 Hose assemblies.....	4
7 Dimensions and tolerances	4
7.1 Diameters.....	4
7.2 Concentricity.....	5
8 Performance requirements	5
8.1 Hydrostatic requirements.....	5
8.2 Change in length.....	6
8.3 Minimum bend radius.....	6
8.4 Resistance to impulse.....	6
8.5 Leakage of hose assemblies.....	6
8.6 Cold flexibility.....	7
8.7 Ozone resistance.....	7
8.8 Adhesion between components (only for rubber hoses).....	7
8.9 Resistance to tensile force.....	7
8.10 Fluid resistance.....	7
8.10.1 Test pieces.....	7
8.10.2 Oil resistance.....	7
8.10.3 Water-based fluid resistance.....	7
8.10.4 Water resistance.....	7
8.11 Visual examination.....	7
8.12 Abrasion resistance.....	8
8.13 Proof pressure hold test.....	8
9 Frequency of testing	8
10 Designation	8
11 Marking	8
11.1 Hoses.....	8
11.2 Hose assemblies.....	9
12 Recommendations for packing and storage	9
13 Recommendations for length of supplied hoses and tolerances on lengths of hose assemblies	9
14 Test certificate	9
Annex A (normative) Type and routine testing of hoses	10

Annex B (informative) Production testing	11
Annex C (informative) Recommendations for lengths of supplied hoses and tolerances on lengths of hose assemblies	12
Bibliography	13

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

[ISO 23384:2021](https://standards.itih.ai/catalog/standards/iso/7d80504b-3adf-43bb-b1ba-01d256e453a4/iso-23384-2021)

<https://standards.itih.ai/catalog/standards/iso/7d80504b-3adf-43bb-b1ba-01d256e453a4/iso-23384-2021>