



International Standard

ISO 8075

Aerospace — Surface treatment of hardenable stainless steel parts

Aéronautique et espace — Traitement de surface des éléments en acier inoxydable à durcissement structural

Second edition
2025-05

ent structural

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

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

ISO 8075:2025

<https://standards.iteh.ai/catalog/standards/iso/d9501043-8039-4f42-89fd-e67543a1f3e3/iso-8075-2025>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

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	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Technical requirements	2
4.1 General	2
4.2 Technical requirements	2
4.3 Process details	3
4.3.1 Degreasing cleaning	3
4.3.2 Stress relief	3
4.3.3 Removal of scale and oxides	4
4.3.4 Smoothing surface	5
4.3.5 Passivation	6
4.3.6 Hydrogen embrittlement relief bake	7
4.3.7 Rinse and dry	7
4.3.8 Rework	8
5 Quality control	8
5.1 Responsibility for inspection	8
5.2 Batch acceptance tests	8
5.2.1 Appearance	8
5.2.2 Corrosion resistance	8
5.3 Process control tests	8
5.4 Process qualification tests	8
5.5 Solution control	9
5.6 Inspection and test	9
5.6.1 Appearance	9
5.6.2 Corrosion resistance	9
5.7 Approval	10
6 Packaging and delivery	10
6.1 Packaging	10
6.2 Delivery	11