ISO 4779:2021 (E)

Chain components for lifting purposes — Forged eye hook with point and latch — Grade 4, stainless steel, solution annealed

Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Dimensions and designation

4.1 Dimensions
4.2 Designation

5 Requirements

5.1 Material
5.2 Manufacture
5.3 Heat treatment
5.4 Dimensions
5.5 Working load limit, WLL
5.6 Mechanical properties
5.6.1 General
5.6.2 Test force, FT
5.6.3 Elongation at test force
5.6.4 Breaking force, FB
5.6.5 Deformation
5.7 Surface condition

6 Tests

6.1 Qualification of personnel
6.2 Type tests
6.2.1 General
6.2.2 Dimension test
6.2.3 Surface test
6.2.4 Tensile test
6.2.4.1 Testing machine
6.2.4.2 Procedure
6.2.4.2.1 General
6.2.4.2.2 Test force, FT
6.2.4.2.3 Elongation at test force
6.2.4.2.4 Breaking force, FB
6.2.4.2.5 Deformation
6.3 Manufacturing examination
6.4 End tests
6.4.1 General
6.4.2 Size of lot
6.4.3 Sampling
6.4.4 Dimension test
6.4.5 Tensile test
6.4.5.1 Testing machine
6.4.5.2 Procedure
6.4.5.2.1 General
6.4.5.2.2 Test force, FT
6.4.5.2.3 Elongation at test force
6.4.5.2.4 Breaking force, FB

6.4.5.2.5 Deformation

7 Marking

8 Certificates

8.1 Type test certificate
8.2 Manufacturer's certificate

9 Instructions for use

10 Environmental issues

Annex A (informative) Bases for the calculation

A.1 Dimensions
A.2 Working load limit, WLL
A.3 Mechanical requirements
A.3.1 Test force
A.3.2 Breaking force

Annex B (informative) Conversion sling chains/chain components

Page count: 15