

KUUMVALTSITUD ÜLDTÖÖSTUSLIKU KVALITEEDIGA JA TÕMBEKVALITEEDIGA SÜSINIKTERAS

Hot-rolled carbon steel of commercial
and drawing qualities

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

Käesolev Eesti standard EVS-ISO 3573:2010 "Kuumvaltsitud üldtööstusliku kvaliteediga ja tõmbekvaliteediga süsinikteras" sisaldab rahvusvahelise standardi ISO 3573:2008 "Hot-rolled carbon steel of commercial and drawing qualities" identset ingliskeelset teksti.	This Estonian Standard EVS-ISO 3573:2010 consists of the identical English text of the International Standard ISO 3573:2008 "Hot-rolled carbon steel of commercial and drawing qualities".
Standard EVS-ISO 3573:2010 on kinnitatud Eesti Standardikeskuse 10.12.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teataja 2011. aasta jaanuarikuu numbris.	This standard is ratified with the order of Estonian Centre for Standardisation dated 10.12.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from Estonian Centre for Standardisation.

Käsitlusala

1.1 Käesolev rahvusvaheline standard käsitleb üldtööstusliku kvaliteediga ja tõmbekvaliteediga kuumvaltsitud süsinikteraslehe omadusi.

Kuumvaltsitud terasleht on sobilik mitmesuguste rakenduste jaoks, kus pindmise oksiidikihi olemasolu või pinnadefektide paljastumine pärast pindmise oksiidikihi eemaldamist ei ole toote omadustele määrava tähtsusega. Antud toode ei ole sobilik kasutamiseks nendel juhtudel, kus pinna kvaliteet on esmase tähtsusega.

MÄRKUS Terasleht, mis on määratud järgnevale ülevaltsimisele, ei ole käesoleva rahvusvahelise standardiga kaetud.

1.2 Üldtööstusliku kvaliteediga lehte (HR1) kasutatakse üldise otstarbega tootmises, kus lehte kasutatakse tasapinnaliste toodete tootmiseks, painutamiseks, mõõdukaks vormimiseks ja keevitatud toodete tootmiseks. Antud teraslehte toodetakse paksuste vahemikus 0,8 mm kuni 12,5 mm (kaasa arvatud), laiusel 600 mm ja üle, rullides ja mõõtulõigatud lehtedes.

1.3 Tõmbekvaliteediga teraslehte (HR2, HR3, HR4) kasutatakse tõmbamiseks või tugevaks vormimiseks, kaasa arvatud keevitamiseks. Seda valmistatakse tavaliselt paksuste vahemikus 0,8 mm kuni 12,5 mm (kaasa arvatud), laiusel 600 mm ja üle, rullides ja mõõtulõigatud lehtedes. Tõmbekvaliteediga terasleht on määratud kõikide käesoleva rahvusvahelise standardi nõuetega või kui tellitakse vastavalt kokkuleppele kindlaksmääratud toote tootmine, siis sellisel juhul ei ole antud rahvusvahelise standardi nõuded mehaanilistele omadustele kohaldatud. Teraste tõmbekvaliteedid on määratud järgnevalt:

HR2 – tõmbekvaliteediga terasleht

HR3 – sügavtõmbekvaliteediga terasleht

HR4 – sügavtõmbekvaliteediga terasleht, desoksüdeeritud alumiiniumiga

1.4 Kuumalt nõutud paksusmõõtu valtsitud süsinikterasleht laiusel vähem kui 600 mm võidakse lõigata laiast lehest ja seda käsitletakse kui lehte.

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Foreword

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 3573 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 12, *Continuous mill flat rolled products*.

This fourth edition cancels and replaces the third edition (ISO 3573:1999), which has been technically revised.

Hot-rolled carbon steel sheet of commercial and drawing qualities

1 Scope

1.1 This International Standard applies to hot-rolled carbon steel sheet of commercial and drawing qualities.

Hot-rolled steel sheet is suitable for many applications where the presence of oxide or scale, or normal surface imperfections disclosed after removal of oxide or scale, are not objectionable. It is not suitable for applications where the surface is of prime importance.

NOTE Steel sheet that is to be subjected to subsequent rerolling is not covered by this International Standard.

1.2 Commercial quality sheet (HR1) is intended for general fabricating purposes where sheet is used in the flat condition or for bending, moderate forming and welding operations. It is commonly produced in the range of thickness 0,8 mm to 12,5 mm inclusive, and in widths of 600 mm and over, in coils and cut lengths.

1.3 Drawing quality sheet (HR2, HR3, HR4) is intended for drawing or severe forming, including welding. It is commonly produced in the range of thickness 0,8 mm to 12,5 mm inclusive and in widths of 600 mm and over, in coils and cut lengths. Drawing quality sheet is furnished according to all the requirements of this International Standard, or, by agreement when ordered, to fabricate an identified part, in which case the mechanical property requirements do not apply. Drawing qualities are identified as follows:

HR2 — Drawing quality

HR3 — Deep drawing quality

HR4 — Deep drawing quality aluminum killed

1.4 Hot-reduced sheet less than 600 mm wide can be slit from wide sheet and will be considered as sheet.

2 Normative references

The following standards referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6892-1, *Metallic materials — Tensile testing — Part 1: Method of test at room temperature*

ISO 16160, *Continuously hot-rolled steel sheet products — Dimensional and shape tolerances*