



SLOVENSKI STANDARD
SIST EN ISO 945-1:2009/AC:2010
01-maj-2010

Mikrostruktura železove litine - 1. del: Razvrščanje grafita z vizualno analizo - Tehnični popravek 1 (ISO 945-1:2008/Popravek 1:2010)

Microstructure of cast irons - Part 1: Graphite classification by visual analysis - Technical Corrigendum 1 (ISO 945-1:2008/Cor 1:2010)

iTeh STANDARD PREVIEW

Microstructure des fontes - Partie 1: Classification du graphite par analyse visuelle - Rectificatif technique 1 (ISO 945- 1:2008/Cor 1:2010)

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Ta slovenski standard je istoveten z: EN ISO 945-1:2008/AC:2010

ICS:

77.080.10 Železo Irons

SIST EN ISO 945-1:2009/AC:2010 en,fr

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EUROPEAN STANDARD

EN ISO 945-1:2008/AC

NORME EUROPÉENNE

March 2010

EUROPÄISCHE NORM

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English version
Version Française
Deutsche Fassung

Microstructure of cast irons - Part 1: Graphite classification by visual analysis - Technical Corrigendum 1 (ISO 945-1:200/Cor 1:2010)

Microstructure des fontes - Partie 1:
Classification du graphite par analyse
visuelle - Rectificatif technique 1 (ISO 945-
1:200/Cor 1:2010)

This corrigendum becomes effective on 1 March 2010 for incorporation in the three official language versions of the EN.

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Ce corrigendum prendra effet le 1 mars 2010 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 1. März 2010 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 945-1:2008/AC:2010) has been prepared by Technical Committee ISO/TC 25X "Cast irons and pig irons" in collaboration with Technical Committee CEN/TC 190 "Foundry technology", the secretariat of which is held by DIN.

Endorsement notice

The text of ISO 945-1:2008/Cor 1:2010 has been approved by CEN as a EN ISO 945-1:2008/AC:2010 without any modification.

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INTERNATIONAL STANDARD ISO 945-1:2008
TECHNICAL CORRIGENDUM 1

Published 2010-03-01

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Microstructure of cast irons —
Part 1:
Graphite classification by visual analysis

TECHNICAL CORRIGENDUM 1

Microstructure des fontes —

Partie 1: Classification du graphite par analyse visuelle

RECTIFICATIF TECHNIQUE 1

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Technical Corrigendum 1 to ISO 945-1:2008 was prepared by Technical Committee ISO/TC 25, *Cast irons and pig irons*.

Page 17, Annex C

Replace Table C.1 with the following table.

Table C.1 — Graphite forms (see Figure 1 and Annex A)

Form	Description of the form	Main spatial characteristics	Occurrence	Relevant material standard
I	Lamellar (flake) graphite	Interconnected particles within eutectic cells; lamellar (flake) graphite with sharp ends	Principal form in grey cast iron Austenitic cast iron with lamellar/flake graphite Can occur in the rim zone of other cast-iron materials	ISO 185 ISO 2892
II	Crab graphite	Aggregate of graphite flakes	Can occur in rapidly cooled hypereutectic grey cast irons (see Annex B and Table C.2) Can also occur in segregation areas of thick-walled spheroidal-graphite cast-iron castings	ISO 185
III	Compacted (vermicular) graphite	Usually interconnected particles within eutectic cells; worm-like appearance with rounded ends	Principal form in compacted-graphite cast irons Can occur in spheroidal graphite cast irons	ISO 16112
IV	Temper carbon	Isolated particles	Principal form in malleable cast irons	ISO 5922
	Irregular spheroidal graphite ^a		Can occur on spheroidal-graphite cast iron	
V	Slightly irregular spheroidal graphite ^a	Isolated particles	Principal form in thick-walled castings made of spheroidal-graphite cast irons Occurs to a specified extent in compacted-graphite cast irons Can occur in malleable cast irons	ISO 1083 ISO 17804 ISO 2892
VI	Spheroidal graphite ^a	Isolated particles	Principal form in castings made of spheroidal-graphite cast irons Occurs to a specified extent in compacted-graphite cast irons	ISO 1083 ISO 17804 ISO 2892

^a Spheroidal graphite is sometimes referred to as nodular graphite.