

Abrasion-resistant cast irons — Classification

ICS 77.080.10

National foreword

This British Standard was published by BSI. It is the UK implementation of ISO 21988:2006.

The UK participation in its preparation was entrusted to Technical Committee ISE/35, Cast iron.

A list of organizations represented on ISE/35 can be obtained on request to its secretary.

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2007

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ISBN 978 0 580 49901 2

Amendments issued since publication

Amd. No.	Date	Comments

INTERNATIONAL STANDARD

ISO
21988

First edition
2006-07-01

Abrasion-resistant cast irons — Classification

Fontes résistant à l'usure par abrasion — Classification



Reference number
ISO 21988:2006(E)

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Foreword

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ISO 21988 was prepared by Technical Committee ISO/TC 25, *Cast irons and pig irons*, Subcommittee SC 6, *High alloy cast irons*.

This International Standard is one of a number that has been prepared by ISO/TC 25/SC 6 under the auspices of ISO/TC 25 for the family of cast irons. The Secretariats of ISO/TC 25 and ISO/TC 25/SC 6 are held by BSI; however, the funding and resources for the Secretariat have been provided by the Cast Metals Federation.

Introduction

This International Standard deals with the classification of abrasion-resistant white cast irons in accordance with their chemical composition and hardness. Such cast irons are widely used in the mining, earth moving, milling and manufacturing industries where high resistance to abrading minerals and other abrading solids is required.

The abrasion resistance of these irons depends upon them having the appropriate structure and hardness for the application. These properties are obtained by careful control of the material composition and the processing route.

