



BS 2789 : 1985

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British Standard Specification for

Spheroidal graphite or nodular graphite cast iron

Fonte à graphite sphéroïdale ou à graphite nodulaire — Spécifications

Gußeisen mit Kugelgraphit

British Standards Institution

Foreword

This British Standard was prepared under the direction of the Iron and Steel Standards Committee and supersedes BS 2789 : 1973 which is withdrawn. The standard now specifies the properties of spheroidal or nodular graphite cast iron and the requirements in the 1973 edition concerning the quality of castings made from the same material have been deleted. Moreover this new standard makes provision for cast-on test samples as well as separately cast test samples. The revision includes a higher tensile strength/low elongation grade, 900/2 thus raising the mechanical properties available to designers. A further addition has been grade 450/10 which results from its inclusion in the revision of ISO 1083. Additional grades 400/18 and 350/22 replace grade 370/17. A comparison between grades in this edition and the previous editions is given in appendix A.

The method of designation of the materials is in accordance with international practice adopted for cast irons specified on the basis of their mechanical properties, the figures indicating the minimum tensile strength in N/mm^2 and the minimum percentage elongation for the particular grade.

Compliance with a British Standard does not of itself confer immunity from legal obligations.