



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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Review Document

Basic Details

1.	Sectional Committee No. & Title:	MTD 9 - Ores and Feed Stock for Non-Ferrous (Excluding Aluminium and Copper) Industry, their Metals/ Alloys and Products Sectional Committee
2.	IS No :	IS 1655 : 1991
3.	Title :	Metallic materials - Zinc alloys - Code of practice for manufacture of pressure die castings (Second Revision)
4.	Date of Previous Review:	March, 2018

Review Analysis

5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

S.No.	Standard (No.)	Standard (Title)	Whether the standard has since been revised	Major changes	Action proposed
1	BS 5338 : 1976	Zinc alloy pressure die casting for engineering	No	Nil	Editorial changes are required in IS to bring more clarity in clauses (SEE DRAFT STANDARD ATTACHED).

5.2 Status of standard referred in the IS.

S.No.	Referred standards (No.)	Referred standards (Title)	Since revised IS no. of the corresponding IS	Changes in the referred Standards since last review of IS	Changes in the referred standard which are affecting the standard under review	Action proposed
1	IS 4828 : 1983	Electroplated coatings of copper, nickel and chromium on zinc and alloys (first revision)	IS 1068 : 1993 Electroplated coatings of nickel plus chromium and copper plus nickel plus chromium Specification (third revision)	After the publication of this standard, IS 4827 : 1983 Electroplated coatings of nickel and chromium . After the publication of this standard, IS 4827 : 1983 Electroplated coatings of nickel and chromium on copper and copper alloys zyxwvutsrqponmlkjihgfedcbaZYXWVUTSRQPONMLKJIHGFEDCBA (jirst revision), IS 4828 : 1983 Electroplated coatings of copper, nickel and chromium on zinc alloys (first revision) and IS 4942 : 1983 Electroplating coating of nickel and chromium on aluminium and aluminium alloys (Jim revision) have been withdrawn.	Since IS 4828 which earlier covered electroplated coatings of copper, nickel and chromium on zinc alloys was referred in the standard IS 1655 which now has been withdrawn and suprsceeded by 1068: 1993 Electroplated coatings of nickel plus chromium and copper plus nickel plus chromium Specification (third revision) which covers teh coating specifications on steels, iron, zinc and zinc alloys , copper and its alloys etc which is at par with international specs.	proposed to refer IS 1068 : 1993 IN place of IS 282 :1983

5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).

S.No.	Standard (No.)	Standard (Title)	Provisions that could be relevant while reviewing the IS	Action proposed
No entry made in this table				

5.4 Technical comments on the standard received, if any.

S.No.	Source	Clause of IS	Comment	Action proposed
No entry made in this table				

5.5 Information available on relevant technical developments

S.No.	Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
1	Research Papers	New alloys like ZAMAK 7, ZAMAK , ZA 8, ZA 11, ZA 27 have been developed whose usage may be mentioned in the standard after due incorporation in IS 742 and IS 713	Clause 7 Choice of Alloy, Clause 6advantages and limitations, Clause 28 cleanliness of working , Clause 29 metal temperature, Clause 30 die temperature and Annex A of IS 1655. Appendix A and appendix B of IS 742 which needs to be revised if these grades are to be added	The grades and their use may be added as decided by the committee after due inclusion of gradesin IS 742

5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.

S.No.	Related IS (revised or new)	Related IS Title	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed
No entry made in this table					

5.7 Any consequential changes to be considered in other IS.

S.No.	Related IS to get impacted	Related IS Title	Requirements to be impacted
No entry made in this table			

Other Details

6.	Any other observation:	Please refer to draft attached for changes done in the standard. All changes are highlighted in red
7.	Upload Supporting Document(s)	

7.1 ARP Report	70_8079_221017023407_ARP_Report.docx
7.2 Draft Document	70_8079_221017025918_Draft_Document.docx

8.	Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review:	Based on the review of standards vis a vis international standard , only editorial changes are being proposed and one technical change in the molten metal temperature has been proposed as per BS 5338 : 1976. The committee may consider to revise the stanadrd based on the changes proposed,
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