

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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भारतीय मानक मसौदा

प्लास्टिक और रबर मशीन — क्लैम्पिंग सिस्टम
भाग 1 चुंबकीय क्लैम्पिंग सिस्टम के लिए सुरक्षा अपेक्षाएँ

(ISO 23582-1:2023 का अधिग्रहण)

Draft Indian Standard

PLASTICS AND RUBBER MACHINES — CLAMPING SYSTEMS
PART 1 SAFETY REQUIREMENTS FOR MAGNETIC CLAMPING SYSTEMS

(Adoption of ISO 23582-1:2023)

ICS 83.200

Chemical Engineering Plants and Related
Equipment Sectional Committee, MED 17

Last date for receipt of
comments is **13 September 2025**

NATIONAL FOREWORD

(Formal clauses will be added later on)

The text of ISO standard has been approved for publication as Indian Standard without deviations. Certain terminology and conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’; and
- Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as a decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 12100 : 2010 Safety of machinery — General principles	IS 16819 : 2018/ISO 12100 : 2010 Safety of machinery — General principles for	<i>Identical</i>

for design — Risk assessment and risk reduction	design — Risk assessment and risk reduction	
ISO 13849-1 Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design	IS 16810 (Part 1) : 2018/ISO 13849-1 : 2015 Safety of machinery — Safety related parts of control systems Part 1 General principles for design	<i>Identical</i>
IEC 60204-1:2016, Safety of machinery — Electrical equipment of machines — Part 1: General requirements	IS 16504 (Part 1) : 2019/IEC 60204-1 : 2016 Safety of machinery — Electrical equipment of machines Part 1 General requirements (<i>first revision</i>)	<i>Identical</i>
IEC 62061, Safety of machinery — Functional safety of safety-related control systems	IS 16501 : 2023/IEC 62061 : 2021 Safety of machinery — Functional safety of safety-related control systems (<i>first revision</i>)	<i>Identical</i>

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (*second revision*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

NOTE — The technical content of the document has not been enclosed as these are identical with the corresponding ISO standard. For details, please refer the corresponding **ISO 23582-1 : 2023** or kindly contact:

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