

# DIN EN 1369:2013-01 (E)

## Founding - Magnetic particle testing

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
1	Scope .....	5
2	Normative references .....	5
3	Conditions for magnetic particle testing .....	5
4	Method of testing .....	6
4.1	Operating mode .....	6
4.2	Qualification of the operators .....	6
4.3	Surface preparation .....	6
4.4	Conditions of testing .....	6
5	Acceptance criteria .....	6
5.1	Indications of discontinuities .....	6
5.2	Definition of magnetic particle indications .....	7
5.3	Severity levels .....	8
6	Classification of the indications and interpretation of results .....	9
6.1	Classification of the indications using Tables 1 and 2 .....	9
6.2	Classification of the indications using the reference figures .....	9
6.3	Interpretation of results .....	9
7	Cleaning after examination and demagnetization .....	10
8	Test report .....	10
Annex A (normative) Conversion of severity levels of linear (LM) and aligned (AM) indications .....		12
Annex B (Informative) Nature of discontinuities and types of corresponding magnetic particle indications .....		13
Annex C (informative) Reference figures -- Non-linear indications designated SM .....		14
Annex D (informative) Reference figures -- Linear and aligned indications designated LM and AM ...		17
Annex E (informative) Model of a magnetic particle test report .....		21
Annex F (informative) Significant technical changes between this European Standard and the Bibliography .....		24