

DIN EN ISO 9934-1:2015-12 (E)

Non-destructive testing - Magnetic particle testing - Part 1: General principles (ISO 9934-1:2015)

Contents	Page
European foreword	3
Foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Qualification and certification of personnel	5
5 Safety and environmental requirements	6
6 Testing procedure	6
7 Surface preparation	6
8 Magnetization	6
8.1 General requirements.....	6
8.2 Verification of magnetization.....	7
8.3 Magnetizing techniques.....	7
8.3.1 General.....	7
8.3.2 Current flow techniques.....	8
8.3.3 Magnetic flow techniques.....	8
9 Detection media	9
9.1 Properties and selection of media.....	9
9.2 Testing of detection media.....	10
9.3 Application of detection media.....	10
10 Viewing conditions	10
11 Overall performance test	10
12 Interpretation and recording of indications	10
13 Demagnetization	11
14 Cleaning	11
15 Test report	11
Annex A (informative) Example for determination of currents required to achieve specified tangential field strengths for various magnetization techniques	17