

DIN EN ISO 17638:2017-03 (E)

Non-destructive testing of welds - Magnetic particle testing (ISO 17638:2016)

Contents

	Page
European foreword	3
Foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Safety precautions	5
5 General	5
5.1 Information required prior to testing	5
5.2 Additional pre-test information	6
5.3 Personnel qualification	6
5.4 Surface conditions and preparation	6
5.5 Magnetizing	6
5.5.1 Magnetizing equipment	6
5.5.2 Verification of magnetization	7
5.6 Application techniques	7
5.6.1 Field directions and testing area	7
5.6.2 Typical magnetic testing techniques	10
5.7 Detection media	13
5.7.1 General	13
5.7.2 Verification of detection media performance	13
5.8 Viewing conditions	14
5.9 Application of detection media	14
5.10 Overall performance test	14
5.11 False indications	14
5.12 Recording of indications	14
5.13 Demagnetization	15
5.14 Test report	15
Annex A (informative) Variables affecting the sensitivity of magnetic particle testing	17
Bibliography	19