

DIN EN ISO 17643:2015-12 (E)

Non-destructive testing of welds - Eddy current examination of welds by complex plane analysis (ISO 17643:2015)

Contents		Page
European foreword		3
Foreword		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		5
4 Personnel qualification		5
5 Written procedures		6
6 General applications		6
6.1 Essential variables.....		6
6.2 Additional information.....		6
6.3 Surface conditions.....		6
6.4 Equipment.....		7
6.4.1 Instrumentation (excluding probe).....		7
6.4.2 Surface probes.....		7
6.4.3 Accessories.....		7
6.4.4 Systematic equipment maintenance.....		9
6.5 Test procedure.....		9
6.5.1 Evaluation mode.....		9
6.5.2 Procedure for measuring coating thickness and material comparison relative to calibration block.....		9
6.5.3 Procedure for testing welds in ferritic materials.....		10
6.6 Detectability of discontinuities.....		15
6.7 Procedure for testing welds in other materials.....		16
7 Test report		16
Annex A (informative) Recommended eddy current method flow diagram		18