

ISO 19675:2017-01 (E)

Non-destructive testing - Ultrasonic testing - Specification for a calibration block for phased array testing (PAUT)

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	1
5	Manufacture	2
5.1	Steel	2
5.2	Pre-machining and heat treatment	2
5.2.1	Raw blocks	2
5.2.2	Heat treatment	2
5.2.3	Checking prior to final machining	2
5.3	Final machining	3
5.3.1	Dimensions and surface finish	3
5.3.2	Reference marks	3
5.3.3	Velocity checks	3
6	Marking	3
7	Declaration of conformity	6
8	Possible modifications to phased array calibration block	6
Annex A (normative) Determination of material anisotropy		8
Annex B (informative) Description of possible uses of the PAUT calibration block		13
Bibliography		19