

IEC 62841-2-1 ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
ATTACHMENT TO TEST REPORT IEC 62841-2-1 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-1: Particular requirements for hand-held drills and impact drills			
Differences according to: EN 62841-2-1:2018+A11:2019			
Attachment Form No.....: EU_GD_62841_2_1C			
Attachment Originator: TÜV Rheinland Intercert Kft., MEEI Division			
Master Attachment.....: Dated 2021-03-11			
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	National Differences		—
ANNEX I	MEASUREMENT OF NOISE AND VIBRATION EMISSIONS		—
	Replace the title of Annex I by the following ANNEX I – (NORMATIVE)		P
I.2	Noise test code (grade 2)		
I.2.4	Installation and mounting conditions of the power tools during noise tests		
	A Drills are suspended.		P
	Impact drills are held by the operator for drilling vertically down in accordance with I.2.5.		N/A
I.2.5	Operating conditions		
	A Drills, except diamond core drills, are tested at no-load without any accessory mounted, all speed setting devices adjusted to the highest value.		N/A
	For impact drills, the speed setting is that recommended by the manufacturer for an 8 mm bit for drilling into concrete.		N/A
	Impact drills are tested under load (I.101/I.102)		N/A
	Diamond core drills are tested under load and in accordance with the conditions shown in Table I.106.”		P
I.2.9	Declaration and verification of noise emission values		
	A For a standard deviation of reproducibility of the method σ_{R0} of 1,5 dB and for a typical standard deviation of production, the values for the uncertainties, K_{pA} and K_{WA} respectively, for drills are 5 dB.		P
I.3	Vibration		—

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I.3.3.2	Location of measurement		
A	Figures I.102 and I.103 show the positions for different types of tools.		N/A
I.3.5.1	General		
A	For battery operated tools, the tests are conducted with the lightest battery in accordance with K.8.14.2 e) 2).		N/A
I.3.5.3	Operating conditions		
A	Impact drills where the impact mechanism can be switched off to have a rotary function only are tested as described under I.3.5.3.101 and I.3.5.3.102.		N/A
	Diamond core drills are tested as described under I.3.5.3.103.		P
I.3.5.3.101 A	Drills		
	Drills, except diamond core drills, are tested under load observing the conditions shown in Tables I.103 and I.104, all speed setting devices adjusted to the highest value.		N/A
I.3.5.3.102 A	Impact drills		
	For impact drills, the speed setting is that recommended by the manufacturer for an 8 mm bit for drilling into concrete.		N/A
	Impact drills are tested under load (I.101/I.105)		N/A
I.3.5.3.103 A	Diamond core drills		
	Diamond core drills provided with an impact function are also tested as an impact drill.		N/A
	Diamond core drills are tested under load as described in Table I.106.		P
	The machine settings (speed, liquid system, impact, etc.) are correctly adjusted for drilling into the material specified for the test and for the type and diameter of the drill bit specified in Table I.106.		P
	The tool is designed to drill with a dust collection device, the dust collection device is in place during the operation of the tool.		N/A
	The tool is suitable to drill into concrete with a liquid system, the liquid collection device, if any, is in place during the operation of the tool.		P
I.3.6.1	Reported vibration values		

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A	If more than one operating mode was measured, the result a_h for each operating mode applicable shall be reported.		N/A
	$a_{h,D}$ drilling (m/s ²) (in accordance with I.3.5.3.101) :	See 6108071.50A	N/A
	$a_{h,ID}$ impact drilling (m/s ²) (in accordance with I.3.5.3.102).....:		N/A
	$a_{h,DD}$ diamond drilling (m/s ²) (in accordance with I.3.5.3.103).....:		P
I.3.6.2	Declaration of the vibration total value		
A	The vibration total value of the handle with the highest emission and the uncertainty K is declared:		—
	– for drills the value of $a_{h,D}$, with the work mode description “drilling into metal”;		N/A
	– for impact drills with drill only function the value of $a_{h,ID}$, with the work mode description “impact drilling into concrete” and the value of $a_{h,D}$, with the work mode description “drilling into metal”;		N/A
	– for impact drills without drill only function the value of $a_{h,ID}$, with the work mode description “impact drilling into concrete”;		N/A
	– for diamond core drills without impact mechanism the value of $a_{h,DD}$, with the work mode description “drilling into concrete”;		P
	– for diamond core drills with impact mechanism the value of $a_{h,ID}$, with the work mode description “impact drilling into concrete” and the value of $a_{h,DD}$, with the work mode description “drilling into concrete”.		N/A

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