

**EARTH BOND FOR 1,5MM THICKNESS ALUMINIUM, STEEL & STAINLESS STEEL PLATES
DRILLING Ø11,5 - M6 THREAD**

Test type	Test description	Norm of reference	Type test	Serial test	Specification	Results			
						77904 M6 x 25 Weight=12g	77906 M6 x 17 Weight=10g	77905 M6 x 25 Weight=16g	77907 M6 x 17 Weight=14g
						In Aluminium plate		In Steel plate	
General	Dimensions	DUBUIS	X	X	Long version M6 x 25				
					Short version M6 x 17				
	Composition and material	NF F00-363 : 1995 => §3	X	X	DUBUIS	- Aluminium Bush - Stainless Steel dowel	- Copper Bush - Stainless Steel dowel		
	Marking	NF F00-363 : 1995 => §5.1&5.2	X	X	Batch number for tracability	✓	✓		
	Appearance and plating	NF F00-363 : 1995 => §10.1.1	X	X	DUBUIS	Nickel Coating	Tin coating		
	Plating attachment	NF F00-363 : 1995 => §10.1.2	X		Cross-cut adhesion test	✓	✓		
	Plating thickness	NF F00-363 : 1995 => §10.1.3	X	X	> 5µm	✓	✓		
Geometry of contact	Plate thickness	DUBUIS	X	X	> 1,5mm	✓	✓		
	Drilling diameter	DUBUIS	X	X	11,5 > Ø > 11,7	✓	✓		
	Flat contact face	NF F00-363 : 1995 => §10.2.1	X	X	0.25	✓	✓		
	Minimum section for current passage	NF F00-363 : 1995 => §10.2.2	X	X	> 35 mm²	✓	✓		
	Width of flat contact face	NF F00-363 : 1995 => §10.2.3	X	X	> 15,1mm	✓	✓		
Mechanical	Tensile	NF F00-363 : 1995 => §10.3.1	X		Cu 330 daN Al 280 daN	> 290 daN on 1,5mm plate	> 450 daN on 1,5mm plate		
	Shearing	DUBUIS	X		Cu 100 daN Al 50 daN	> 65 daN on 1,5mm plate	> 150 daN on 1,5mm plate		
	Vibration	BS EN 61373:1999	X		7,9 m/s² 5H x 3 times	✓	✓		
	Shock		X		50 m/s² 18 times	✓	✓		
	Sealing	DUBUIS	X		Test under 6 bar	✓	✓		
Electrical	Drop of voltage	NF F00-363 : 1995 => §10.4..1	X	X		< 20µΩ *	< 20µΩ *		
	Current rating	NF F00-363 : 1995 => §10.4..3	X		DC current - 120°C	< 120°C	< 120°C		
	Short circuit withstand	DUBUIS	X			3 x 30kA AC - 60ms	3 x 20kA AC - 100ms In stainless steel plate		
Physico-Chemical	Cold température setting	DUBUIS	X		-20°C / setting / Ambient	✓	✓		
	Rapid change of temperature	DUBUIS	X		20x -30°C => +100°C	✓	✓		
	Salt mist	NF EN 3373-001:2007	X		500 hours	< 60µΩ *	< 20µΩ *		

* Electrical resistance between the lug and plate



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