



AEROSPACE STANDARD	AS4786™	REV. B
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	Stabilized	2017-01
	Superseding AS4786A	
Driver Drills, Battery Powered		

RATIONALE

This SAE Aerospace Standard (AS) is being stabilized and not revised due to rapid changes in technology in for such type power drills with removable and rechargeable batteries.

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1. SCOPE

This SAE Aerospace Standard (AS) covers variable speed, reversible battery powered drills with removable, rechargeable battery pack and either 3/8 inch or 1/2 inch chuck used for general maintenance and construction where a battery powered tool is required. This document also satisfies EMI requirements for driver drills, where EMI suppression is required by the purchaser.

This document may involve hazardous materials, operations, or equipment and does not purport to address all of the safety considerations associated. It is the responsibility of the user of a piece of equipment to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to its use. Users are cautioned to read all manufacturer's instructions prior to use.

1.1 Classification

Driver drills covered by this document shall be of the following types, classes, and styles:

1.1.1 Type 1 – 7.2V

Style A: Straight drive

1.1.2 Type II – 9.6V

Style A: Straight drive

1.1.3 Type III – 12.0V

Style A: Straight drive

Class I: 175 in-lb torque minimum

Class II: 250 in-lb torque minimum

Style B: Right angle drive

1.1.4 Type IV – 14.4V

Style A: Straight drive

Class I: 250 in-lb torque minimum

Class II: 350 in-lb torque minimum

Style B: Right angle drive

1.1.5 Type V – 18.0V

Style A: Straight drive

Class I: 350 in-lb torque minimum

Class II: 450 in-lb torque minimum

Class III: 550 in-lb torque minimum

Style B: Right angle drive

Class I: 100 in-lb torque minimum, 1000 rpm no-load speed minimum

Class II: 120 in-lb torque minimum, 1500 rpm no-load speed minimum



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