

#### Norma de EADS-CASA

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**CAN43123** 

EADS-CASA-Standard

RIVET Countersunk

# Inactive for new design and procurement after 09-09

**Exhaust stocks Use ABS0056. See table of substitutions.** 

## Table of substitution

P/N inactive	P/N substitutive
CAN43123-32-4	ABS0056-32-4
CAN43123-40-5	ABS0056-40-5

Preparada/Prepared Comprobada/Checked Aprobada/Approved

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## **CAN43123**

## 1 Scope and field of application

1.1 This standard specifies the dimensions and required characteristics of countersunk rivet for the assembly of trailing components which are required to be countersunk on both sides.

#### 2 References

### 2.1 Applicable documents

AMS4982 Titanium alloy wire 44-5Cb.

ASTM B348 Standard specification for titanium and titanium alloy bars and billets

ISO8080 Aerospace anodic treatment of titanium and titanium alloys-sulfuric acid process.

EN 2424 Aerospace series-Marking of aerospace products
ABS0777 General technical specification for standard parts.
MIL-C-83488 Coating, aluminium, ion vapor deposited.

#### 2.2 Equivalent standard

ABS0056 Rivet countersunk

## 3 Required characteristics

### 3.1 Configuration, Dimensions, Tolerances and Mass

- 3.1.1 Configuration shall be in accordance with figures 1 and 2.
- 3.1.2 Dimensions and tolerances shall conform with figures 1 and 2 and tables 1, 2 and 3
- 3.1.3 Mass shall be in accordance with table 3
- 3.1.4 If coating is previously approved to MIL-C-83488 then salt spray testing is not required.

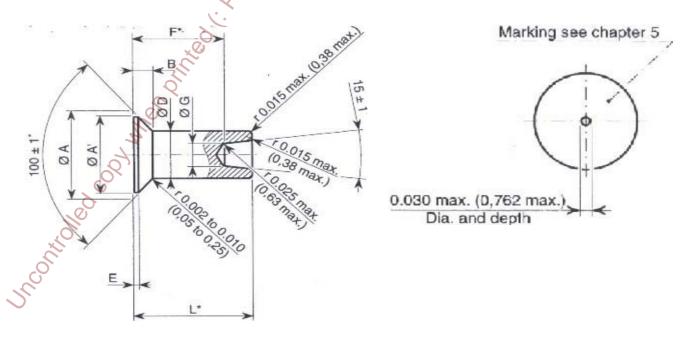


Figure 1- Configuration

## Table 1- Dimensions- Tolerances

Dimensions in inch (mm)

					Jimensions in mer	(11111)
DASH	Ø A	Ø A'	В	Ø D	E	ØG
NUMBER	$\pm 0.004$	min	ref.		max.	
	$(\pm 0,10)$			+0.003		+0.005
				-0.001		0.000
				+0,08		+0,13
				(-0,03)		(0)
						,
32	0.192	0.174	0.028	0.125	0.006	0.073
	(4,88)	(4,42)	(0.71)	(3,175)	(0.15)	(1,85)
40	0.243	0.225	0.037	0.156	0.008	0.091
	(6,17)	(5,71)	(0,94)	(3,962)	(0,20)	(2,31)

Table 3-Dimensions-Tolerances-Mass

GRIP	GRIP I	RANGE		DAS	H 32			DAS	H 40	
DASH	min	max	L	L1	F	MASS	L	L1	F	MASS
No.			±0.005	+0.039	$\pm 0.005$	Ib/100	$\pm 0.005$	+0.039	$\pm 0.005$	Ib/100
			$(\pm 0,127)$	0	$(\pm 0,127)$	(g/100)	$(\pm 0,127)$	0	$(\pm 0,127)$	(g/100)
				(+0,1				(+0,1)		
				0)				0)		
4	0.095	0.125	0.149	4,	0.061	0.022				
	(2,41)	(3,17)	(3,78)	C	(1,55)	(10)				
5	0.126	0.156	0.180	0.191	0.092	0.028	0.186	0.203	0.084	0.050
	(3,20)	(3,96)	(4,57)	(4,85)	(2,34)	(13)	(4,72)	(5,15)	(2,13)	(23)

#### 3.2 Material

55Ti-45Cb Titanium alloy, chemical composition per AMS4982

## 3.3 Finish

Sulfuric acid anodizing as per ISO8080

## 3.4 Strength

Table 4-Strength

DASH	SHEAR STRENGTH MIN. (2)	TENSILE STRENGTH MIN (1)
NUMBER	LBS (DaN)	LBS (daN)
32	491	300
co,	(218)	(133)
40	765	425
2,	(340)	(189)

(1)Tensile strength testing for qualification only.

(2)Shear strength tests applicable to grips>2 ½ D only.



## **CAN43123**

## 4 Designation

Each rivet shall only be designated as in the following example:

Description block
Rivet

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Standard number

Dash number for
Nominal dia.4,8 mm

Grip dash number

- (1) Tensile strength testing for qualification only
- (2) Shear strength tests applicable to grips>2 ½ D only

### 5 Marking

As per EN 2424 category G

#### 6 Technical specification

ABS0777



## **CAN43123**

## Registro de Revisiones / Record of Revisions

(1)	Date	Descripción de la modificación Description of modification
	02-86	First edition
(2)		Standard CAN43123 inactive for new design and replaced by ABS00
		<u> </u>
		No.
		\$
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