
**BUSH - USE WITH ASNA2043, ASNA2048, ASNA2391
AND ASNA2392**

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1 - SCOPE AND FIELD OF APPLICATION

This standard specifies the dimensions, tolerances, required characteristics and the masses of a bush for use with ASNA2043, ASNA2048, ASNA2391 and ASNA2392.

2 - REFERENCES

ASNA2043	: Rivet - Countersunk, shear, lockbolt and repair sizes R1 and R2.
ASNA2048	: Rivet - Cylindrical head, shear, lockbolt and repair sizes R1 and R2.
ASNA2391	: Lockbolt - Medium head, countersunk.
ASNA2392	: Lockbolt - Medium head, cylindrical.
C2010	: Procurement specification.
EN 2424	: Aerospace series - Marking of aerospace products.
I.C.R. 223	: Procurement specification.
MIL-A-8625	: Anodic coatings, for aluminium and aluminium alloys.
EN 6117	: Specification for lubrication of bolts with cetyl alcohol.
QQ-A-430	: Aluminium alloy rod and wire, for rivets and cold heading.

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3 - TERMINOLOGY

Not applicable.

4 - REQUIRED CHARACTERISTICS

4.1 - Configuration, dimensions, tolerances, mass

4.1.1 - Configuration shall be in accordance with the figure.

4.1.2 - Dimensions shall be in accordance with the figure and Table 1.

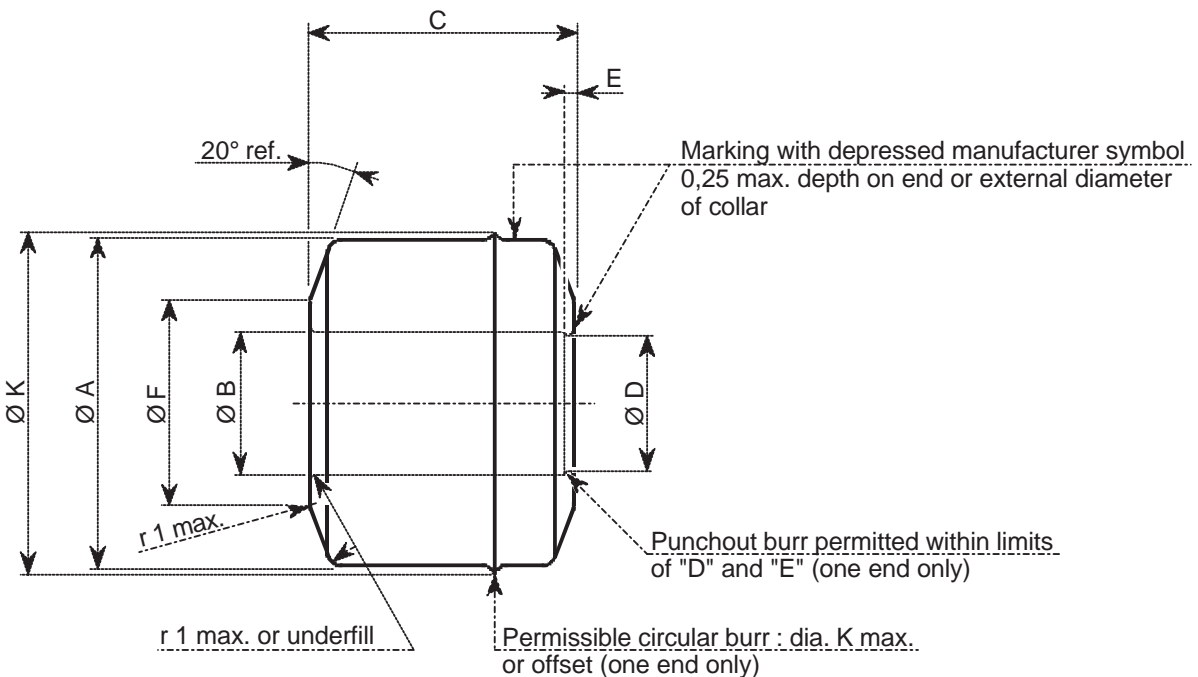
4.1.3 - Tolerances shall be in accordance with Table 1.

Concentricity between $\varnothing A$ and $\varnothing B \leq 0,25$ mm (TIR).

4.1.4 - Mass shall be in accordance with Table 1.

4.2 - Material, finish, lubrication

Material, finish and lubrication shall be in accordance with Table 2.



Dimensions in mm.

Figure - Configuration, dimensions

Table 1 - Dimensions, tolerances, mass

Ø CODE No.	NOMINAL Ø	Ø A ± 0,051	Ø B ± 0,051	C ± 0,25	Ø D min.	E max.	Ø F max.	Ø K max.	MASS (g)
2	4,17	6,22	4,140	5,61	4,01	0,41	4,78	6,38	0,26
3	4,83	6,86	4,826	5,71	4,70		5,38	7,01	0,29
3A	5,51	7,92	5,512	7,19	5,38		6,02	8,08	TBD
4	6,35	9,04	6,325		6,22		7,11	9,19	0,64
5	7,94	11,33	7,925	8,48	7,80	0,79	8,92	11,48	1,18
6	9,52	13,49	9,563	9,50	9,45		10,69	13,64	1,82
7	11,11	15,75	11,125	11,30	11,02		11,51	15,90	2,98
8	12,70	17,86	12,725	12,57	12,62		13,21	18,00	4,18

Dimensions in mm.

Table 2 - Material, finish, lubrication

MATERIAL	FINISH	LUBRICATION
Aluminium alloy 2024T42 as per QQ-A-430	Yellow anodizing as per MIL-A-8625 type II class 2	Cethyl alcohol as per EN 6117

5 - DESIGNATION

Example of part number identification to be used on drawing schedules :

ASNA2025-2 , Bush

Example of part number construction :

ASNA2025	-	2
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Standard No. _____ Diameter code No. _____

6 - MARKING

Parts shall be marked as per EN 2424, style F.

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7 - TECHNICAL SPECIFICATION

Manufacturer's documentation : C2010
I.C.R. 223

8 - MANUFACTURERS

Refer to the list of qualified manufacturers and products.

AMENDMENT RECORD SHEET

Issue	Modified paragraph	Modification summary	Justification
A.05.84		New standard.	
D.04.85			
E.05.87		Diameter code Nos 3, 4 and 5 added. Amendment record sheet added. Classification pages numbering modified.	
F.11.87		Mass modified.	Mod. 9999
G.12.87		Dia. A, dia. B, C and dia. D modified for dia. code No. 5.	In compliance with manufacturer's documentation
H.10.88		Diameter code No. 6 added.	BAe request - A 340 B36/COM/21335/DM
J.01.92		Standard amended.	In compliance with manufacturer's documentation
K.04.99		Standard fully amended. Diameter code Nos 7 and 8 added.	TF3 decision Harmonization of fasteners
L.03.01		Diameter code No. 3A added.	Item 852
M.07.02		Dimensions modified for Diameter code No. 3A.	A 380
N.03.03		References MIL-A-8625 and MIL-L-87132 changed to ISO 8080 and EN 6117.	
P.11.04		References ISO 8080 changed to MIL-A-8625.	

NOTE : Modification to the last standard issue are indicated by a vertical line in the margin.