
**BUSH - FOR USE WITH
ASNA2041 AND ASNA2042**

Issue : **K**
Date : **Apr 08**
Page : **1/5**

SUMMARY

- 1 - SCOPE AND FIELD OF APPLICATION**
- 2 - REFERENCES**
- 3 - TERMINOLOGY**
- 4 - REQUIRED CHARACTERISTICS**
- 5 - DESIGNATION**
- 6 - MARKING**
- 7 - TECHNICAL SPECIFICATION**
- 8 - MANUFACTURERS**
- AMENDMENT RECORD SHEET**

1 - SCOPE AND FIELD OF APPLICATION

This standard specifies the dimensions, tolerances, required characteristics and the mass of a bush.

2 - REFERENCES

- | | |
|------------|--|
| ABS0777 | : General technical specification for standard parts. |
| ANSI-B46-1 | : Surface texture (surface roughness waviness and lay). |
| ASNA2041 | : Rivet - Countersunk, lockbolt. |
| ASNA2042 | : Rivet - Cylindrical head, lockbolt. |
| AS5272 | : Lubricant, solid film, heat cured, corrosion inhibiting. |
| EN2424 | : Aerospace series - Marking of aerospace products. |
| EN4473 | Aerospace series - Aluminium pigmented coatings - Technical specification. |
| EN6117 | : Aerospace series - Specification for lubrication of bolts with cethyl alcohol. |

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C2022 : Procurement specification.

MIL-PRF-46010 : Lubricant, solid, film, heat cured, corrosion inhibiting.

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 Table 1.

4.1.3 - Tolerances shall be in accordance with the Figure and Table 1.

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.

4.3 - General characteristics

Surface roughness as per ANSI-B46-1 : Ra 3,2 μm .

Concentricity : $\varnothing A$ and $\varnothing B$ shall be concentric within .010 inch (0,254 mm) (TIR).

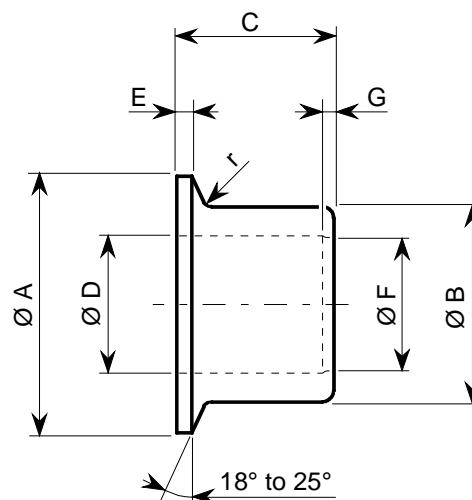


Figure – Configuration, tolerances

Table 1 - Dimensions, tolerances, mass

DIA. CODE No.	NOMINAL Ø	Ø A ± 0,25	Ø B ± 0,05	C ± 0,25	Ø D 0 – 0,076	E ± 0,13	Ø F Min.	G Max.	r ± 0,13	J Min.	MASS (g)
2	4,165	8,23	6,25	5,71	4,204	0,63	4,04	0,41	0,33	0,25	0,53
3	4,826	9,60	6,91	5,84	4,851		4,72			0,38	0,67
3A	5,556	10,72	7,92	7,37	5,563		5,44			0,51	1,00
4	6,350	11,86	9,02		6,388	0,76	6,25	0,79	0,46	0,63	1,34
5	7,925	15,09	11,33	9,14	7,950		7,82				2,53
6	9,525	17,51	13,49	10,41	9,538	0,89	9,40		0,76		3,91
7	11,112	19,76	15,75	11,68	11,151		11,02				5,56
8	12,700	21,49	17,86	12,95	12,738		12,57				6,93

Dimensions in mm.

Table 2 - Material, finish, lubrication

MATERIAL	FINISH	LUBRICATION
Titanium	Resin based coating as per AS5272 or EN4473	Dry film as per MIL-PRF-46010 + cetyl alcohol as per EN6117

5 - DESIGNATION

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

ASNA2045-2 , Bush

Example of part number construction :

ASNA2045	-	2
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Standard No. _____ Diameter code No. _____

ASNA2045

Issue : Apr 08

Page : 4

6 - MARKING

Parts shall be marked as per EN2424, category F.

7 - TECHNICAL SPECIFICATION

ABS0777.

As per manufacturer's specification C2022.

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.	
C.03.85			
D.04.85		Amended standard.	
E.01.97		Standard fully amended.	TF3-WG1 and manufacturer's information
		Technical specification modified : I.C.R. 223 changed to C2022.	
F.05.99		Diameter code Nos 7 and 8 added.	A 340-500/600
G.06.03		Diameter code No. 3A added.	A 380
H.05.07		Chapter 6 modified: "category G" changed to "category F".	
J.10.07		Unit "µm" added for surface roughness in § 4.3.	
		MIL-L-8937 changed to MIL-PRF-46010 in § 2 and table 4.	
K.04.08		Table 2 modified: Resin based coating as per AS5272 or EN4473 added for finish and cetyl alcohol as per EN6117 added for lubrication.	
		Requirement for concentricity added	

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