aerospatiale

TECHNICAL MANAGEMENT STANDARDS DEPt.

«HUCK" BLIND RIVET 1000 CSK HEAD STAINLESS STEEL and MONEL TYPE MLS 100

GENERAL DESIGN MANUAL

ASN-A0030

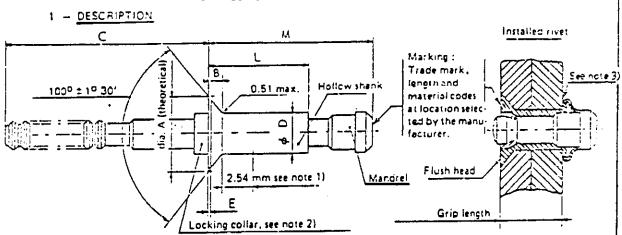
- This document complies with the rules defined in ASN 600-06 and may have been subjected to particular selections.
- Where no particular selection is specified, it is applicable without restriction.

This document is based on HUCK Co, document and Standard ASN 542-18 and supersedes the latter.

Dimensions in millimetres and inches

SUMMARY

- DESCRIPTION
- 2"- CODED REFERENCE
- DIMENSIONS AND CHARACTERISTICS
- MATERIALS, PROTECTIVE TREATMENTS
- 5 PROVISIONING SPECIFICATION
- 6 LENGTH CODES



NOTES - 1) Over this length, the diameter of the hollow shank may exceed the max. +D+ diameter by 0.025 mm

2) Locking collar to be in one piece or split at manufacturer's discretion.

3) These rivers may be installed on non parallel or curved faces. The permissible tolerances are given in ASN-A0025.

2 - CODED REFERENCE

- · The coded reference of these rivets consists of the basic reference 54218 followed by :
- the material code of the hollow shank (see table paragraph 4),
- the diameter code (see table paragraph 3),
- the length code, depending on the grip length (see table paragraph 6).
- the hollow shank protective treatment code, if applicable (see table paragraph 4).

Example of drawing call out : Diameter 3.97 Grip length: 6.38 to 7.92 Monel . Cadmium plating Basic reference A0030 1.3: BLIND RIVET 54218TB5-05L NSA £ et. Dinientions Туре REFERENCE فبالإدا ASN SVeigni DESIGNATION NT. 14) MATERIAL PART NUMBER

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_	ninal neter	Diameter code	٩	•	R E		m				€ 1013	+0.33	Instal ho		Min	breaking to	(604)
0.0	.,				,,,	• '					٥	0	diair.			aring Ni)	Tensile
in	,m	!	in	mm.	in	mm	in	mmi	in_	mm	15	mm.	in	mm.	Monei	Stainless	[N]
1/8	3,18	4	.229	-5.81 5.61	.042	1,07			.128	3.25 3.15			.132 .129	3.25 3.28	4 537	4 848	3 ∞2
/32	3,97	5	.290 .282	7.36 7.16		1,40	.738	20,02	.159 .165	4.04 3,94	.002	0.05	.164 .160	4,16 4.05	6 961	7 < 28	4 570
1/16	4,76	6	.357 .349	9.06 8.86	.070	1,78] .	.190 .186	4,82 4,73			.195 .192	4,58 4,87	10 053	10 675	5 672

			Weight of inst	alled rivers (g)	· · · · · · · · · · · · · · · · · · ·	Huck refe	rence N® *		
Diameter	Length	Ma	onel	Stainle	st steel				
code	code	Related to	Supplement per length increment	Related to length code	Supplement per length increment	Monel	Stainiess sleef		
	02	0,49	-	0,47	<u> </u>	1415:50 144	ML\$100-EU4		
4	03	0.51	0,11	0,58	0,11	MLS100-M4	1/2 LS 100-204		
	02	0,62	_	0.80	_	MLS100-MS	MUSTOG-EUS		
5	03	1,00	- 0,17	0,97	0.17	.61L3 :00=1613	11,231(0-233		
6	03	1,59	0.25	1,52	0.24	MLS 100-NE	ಚಿತ್ರಕ್ಷಣ ಕಿರ್ಚಿತಿ		

- NOTES a) The strength values are equal to or greater than those specified in documents AFS 40911 or NAS 1400. They correspond to installed rivets.
 - b) The dimensions of the installation hale are in compliance with those specified in documents MS 33522 (type II) and NAS 1900.
 - c) The dimensions given for the examium plated hollow shank are those before protective treatment; they can be 0.025 mm larger after treatment.

Recommended limit temperatures: \pm 4279 C for monel and \pm 6500 C for stainless steel, to be justified by tests carried out under operating conditions.

4 - MATERIALS - PROTECTIVE TREATMENTS

Component	MATERIAL	Code	PROTECTIVE TREATMENT	Code	
Hallow	Monel 400	TB	Caamium plating OO P-416, type II, class 3	L	
110		'-	None	None	
shank	Stainless steel A 286 (A ISI 660)	CC	Passivated QO-P 35	None	
Mandrei and collar	Stainless steel A 286 (A	ISI 660)	Passivated QQ-P-	35	

5 - PROVISIONING SPECIFICATION : NAS 1900.

* To be followed by length code and if required by	y letter C for codmium pared hollow shank.
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'6 - RIVET LENGTH CODE VERSUS GRIP LENGTH AND DIAMETERS

	[ه ا ت	meter	code								
Length code	1	Brip ngth			4						5				•		- 6			
	"			Ļ		M_	Si	ock	j	L		M	Si	05 k		L	Ī	A4	5	OCK
				NI NI		TWIX	Monel	Sizimless st.	ı	ri š X		max	Monel	Stainless st.		Mea		mas.	Monel	Stainlers at
	in	mm .	in	₩.M	in	tum.		2	'n	min	in	mm	<u>Ļ</u> .	জ	in	min	l in	.m/m	_	<u> 18</u>
02	.125	3,17	.260	6.60	.391	9,93	4.	4	.263	C.68	.446	11,33	+	+						
03	.126 .187	3,20 4,75	.323	8,20	.516	13,10	4	-	.326	8,26	.541	13,74	+		.350	6.89	.571	14,50	-	+
04	.188 .250	4.78 6.39	.395	9,78	.£41	15,28	*	7	.398	9.85	.££6	16.91	+	١	.412	10,46	.696	17.65	+	-
05	.251 .312	6.38 7.92	.448	11,38	.765	19,45	+	9	451	11,45	,791	20,03	+	+	.475	12.06	.521	20,85	4	•
06	.313 .375	7,93 9,52	.510	12.95	.891	22,63	1:/	7	.513	13 03	.916	23.26	4	7	527	13,64	.94€	24 C3	4	-
07	.376 .437	9.55 11,10							.576	14,63	1.041	26,44	$\langle \rangle$	/	.530	15.74	1 671	27,25	1	4
08	.438 .500	11,12 12,70							.638	16.20	1.166	29,61	*		.662	:6 E ;	1 196	30.36	7	
09	.501 .562	12,72 14 27													.725	15,41	1.32	33,55		

NOTES -

- e) Codes 4-01, 5-01 and 6-02 rivets are no longer manufactured.
- 1) For code 4-02 rivets the minimum grip length is 0.062 in., 1.58 mm. For code 5-02 rivets the minimum grip length is 0.080 in., 2.03 mm.
- g) Rivets shown in the hatched area are not immediately available but can be manufactured on request.
- h) Longer rivets can be manufactured on request.

APPLICABLE INFORMATION:

Company reference number (CMS)

The radix of CMS for these rivets is :

				 	 	_	
5	5	4	8				

Manufacturer: (non exhaustive list)

NAME	REFERENCE NO
HUCK (AEROTECHNIC)	' Sec table § 3

- * The reference Nº is similar to that used by AEROSPATIALE except that :
 - Radix 54218 TB or 54218 CC is replaced by serial number MLS10014 (monel) or MLS100EU (stainless steel).

Example: AEROSPATIALE HUCK

54218TB5-05 MLS100-M5-05

Applicable documents:

- These rivers are in compliance with Standard NAS 1921 for corresponding length and diameter codes.
- Precoutions to be taken for correct installation and proper use of HUCK blind rivets : IFM nº 291.
- HUCK blind rivers. General and installation : ASN-A0025.

Equivalent documents :

Standard ASN-ACCSC supersedes Standard ASN 542.18, issue D.

The rivers defined in these 2 documents, as well as their coded references are identical.

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