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CSP STANDARD**

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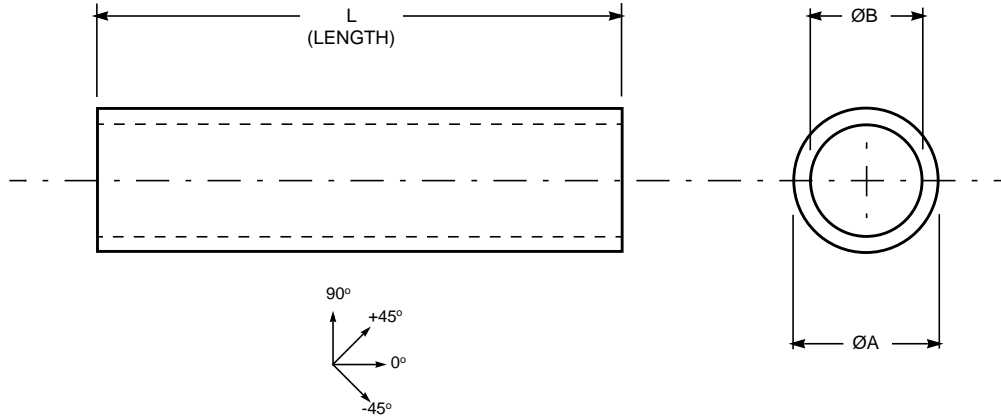



TABLE 1: CSP513 - ROD, TUBULAR, AFT BAGGAGE COMPARTMENT, GX

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CSP PART NUMBER	MATERIAL (VENDOR)	A DIA + .015 - .025 Ⓢ	B DIA + .005 - .010	L + .060 - .030	WEIGHT ± 5% (lbs)	FINISH
CSP513-1	CARBONFIBER / EPOXY RESIN TUBE 	1.250	1.000	53.80	1.35	NONE
CSP513-2		1.250	1.000	61.83	1.35	
CSP513-3		1.000	0.750	42.50	0.82	
CSP513-4		1.250	1.000	AS SPECIFIED BY DRAWING	N/A	
CSP513-5		1.000	0.750			

LIST OF CURRENT SHEETS

SHEET	1	2
REVISION	F	C

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	B. EDWARDS	ROD, TUBULAR AFT BAGGAGE COMPARTMENT, GX	CSP 513
CHECKED	L. JOHN		
STRESSED	F. LAU		SHEET: 1 OF 2
APPROVED	B. EDWARDS		

STANDARD REDRAWN WITH EDITORIAL CHANGES - SEE REVISION RECORD FOR DETAILS
CSP MATERIAL REVISED, DELTA NOTE2 ADDED IN LIEU OF "SEE NOTE 2"
TOLERANCE REQUIREMENT FOR OUTER DIAMETER REVISED, "+.015 / -.025" WAS ".010"
NOTES REVISED & MOVED TO SHEET 2
REVISION TABLE ADDED

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APPROVED: 20 AUG 2002 REV: A - 11 DEC 2002 REV:B - 15 JAN 2003 REV: C -18 JUL 2003 REV: D - 05 FEB 2004 REV: E - 24 NOV 2005 REV: F - 19 NOV 2013

TABLE 2: LAY-UP SEQUENCE

LAYER	MATERIAL Δ	ORIENTATION	LAYER	MATERIAL Δ	ORIENTATION
1	UNITAPE	0°	9	UNITAPE	0°
2		0°	10		+45°
3		0°	11		-45°
4		0°	12		0°
5		+45°	13		0°
6		-45°	14	FABRIC	0° / 90°
7		0°	15		0° / 90°
8		0°	---	---	---

NOTES:

1. WRAP PLIES OVER MANDREL AS PER TABLE 2.
 © Δ MATERIALS:
 FABRIC DHMS P1.35, CLASS 2, TYPE 2, STYLE 3K-70 PW
 UNITAPE DHMS P1.35, CLASS 1, TYPE 2, GRADE 190
3. MANUFACTURE TUBE IN ACCORDANCE WITH PPS 10.35 EXCEPT FOR BAGGING
 PROCEDURE: PART SHALL BE WRAPPED IN SHRINK TAPE & CURE IN OVEN.
 FINISHED ROD TO HAVE GLOSS FINISH.
4. ALL ROD TUBES LISTED HEREIN SHALL MEET THE FLAMMABILITY REQUIREMENTS OF FAR 25.853 Appendix F, Part I(a)1(i) - (60 SECONDS VERTICAL BURN)
5. ALL CHANGES TO THE ORIGINAL APPROVED FORMULATION SHALL BE REPORTED TO BOMBARDIER MATERIALS ENGINEERING.
6. VENDOR SHALL ISSUE A CERTIFICATE OF COMPLIANCE WITH EACH SHIPMENT.
- © 7. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

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 CAGE CODE: 0FUT0

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	B. EDWARDS	ROD, TUBULAR AFT BAGGAGE COMPARTMENT, GX	CSP 513
CHECKED	L. JOHN		
STRESSED	F. LAU		
APPROVED	B. EDWARDS		SHEET: 2 OF 2

TABLE RENUMBERED, "TABLE 2" WAS "TABLE 1"
 TABLE REVISED, DELTA NOTE 2 ADDED FOR LAYER MATERIAL
 NOTE 2 APPEARED AS DELTA NOTE TO REPRESENT MATERIAL REQUIREMENTS
 NOTE 7 ADDED
 VENDOR INFORMATION UPDATED

REV:

REV:

REV:

REV: B - 25 NOV 2005

REV: A - 18 JUL 2003

APPROVED: 15 JAN 2003

REV: C - 19 NOV 2013