



12570 Knott Street
Garden Grove, CA 92841

Certification of Chemical and Physical Test

1180708

Products identified on this certificate have been manufactured, tested and inspected in accordance with, and unless otherwise noted below, conform in all respects to the applicable drawings, specification and/or standards.

Country of Origin: USA

Purchase Order Date: 1/22/2016

Customer	WESCO AIRCRAFT		0077025	Date of Certification	4/6/2016		Packing Slip No.	00000000504489		
Purchase Order	1801259		Part Number	BACB30VU6K4		Revision	REV AG		Prod Order/ Lot Number	UD835713
Customer Part Number	HST11AG6-4 REV 29				Mfg. Date	1/25/2016	Lot Size	25,952	Quantity Shipped	22,430
Procurement Specification	BPS-F-67, REV AR, HS380 REV K				Heat Treat Specification	AMS-H-81200				
Finish Specification	BMS10-85, TY I, CL A & HS294-AIC				Lubrication Specification	AS87132 & HS305				
Non-destructive Testing Specification	ASTM E1417				Sample or 100%	SAMPLE				
Material	6-4 Ti		Material Specification	AMS4928		Heat No.	B5K70		Supplier	ATI, USA
C	.025	Mn	P	S	Si	Ni	Cr	Mo	O2	.15
Va	3.92	Ti	BAL	Al	5.99	N2	.017	Fe	.18	B
Mg		Ca	Pb	Bi	Se	Sn	Y	<.0009	H2	.0030
Ta										
Micro/Macro Structure Satisfactory	Decarburization NIL		Discontinuities Acceptable	.001		Work Effect Satisfactory	Grain Flow (Hd. thd) Satisfactory	Finish Part H2 ppm	49.5 PPM	
Double Shear Strength			Ultimate Tensile Strength			Tension-Tension Fatigue				
Pounds Results Too Short			Pounds Locations of Failure Too Short			Life Cycles Locations of Failure Too Short				
MIN. REQ TOO SHO MAX REQ NR			MIN. REQ TOO SHO MAX REQ NR			AVE. LIFE NR		AVE. REQ NR		MIN. REQ TOO SHOR
Ka NR X1-KaS NR			Ka NR X1-KaS NR			High Load NR		Low Load NR		
Stress Rupture			Torque Testing			Stress Durability				
Temp: Load: Time: Hours			Sample Size: 10 Torque 18 "#			Sample Size: Torque Sustained Load				
No failures.			No failures.			NDT Results - Satisfactory				

10 MICROS PASSED

BPS MFG. DATE: 2/18/2016

THREADS WERE INSPECTED PER AS8879

PLATING THICKNESS .00031-.00035 ADHESION PASSED

INSTALLATION TEST: TOO SHORT

100-267-6-4 REV. A

202-15527-6K4 REV. N/C

B0206002AG6-4 REV. R

GAB510DG6B4 REV. N/C

MATERIAL IN COMPLIANCE WITH DFAR 252.225-7009



"THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH TSO-C148. THE CONDITIONS AND TESTS REQUIRED FOR TSO APPROVAL OF THIS ARTICLE ARE MINIMUM PERFORMANCE STANDARDS AIRCRAFT FASTENERS APPROVED UNDER THIS TSO ARE NOT NECESSARILY INTERCHANGEABLE WITH OTHER AIRCRAFT FASTENERS APPROVED UNDER THIS TSO. FASTENERS OF SIMILAR DIMENSIONAL PROPERTIES MAY HAVE WIDELY VARYING PERFORMANCE AND METALLURGICAL PROPERTIES SUBSTITUTION OF PARTS MAY ONLY BE DONE IF ACCEPTABLE TO OR APPROVED BY THE ADMINISTRATOR."

Gloria Palomino
Gloria Palomino, Certification Clerk