## **CERTIFICATE OF CALIBRATION**

## JETYD CORP 120 WESLEY STREET SOUTH HACKENSACK, NJ 07606

**CERTIFICATE#** 150123093315

14-3436

J1P00747

P.O. #

SERIAL #

CUSTOMER HYTORC
TOOL MODEL J-GUN AIR-1 APACHE DUAL SPEED

STATED ACCURACY +/- 5% PRESSURE RANGE: 20 - 80 psi

## PROCEDURE & METHOD USED

The J Gun Pneumatic Torque Tool was calibrated on JETYD Automated Torque Tool Calibration System, in accordance with Pneumatic J-Gun Calibration Procedure #330 Version 2.1

#### **CALIBRATION EQUIPMENT USED**

JETYD Automated Torque Tool Calibration System.

[X] Honeywell Rotary Torque Transducer Serial #1398411. Torque standard traceable to NIST by calibration report #27556, Calibration date 05/02/2014, Calibration due date 05/2015. Calibrations performed at 68° F-75° F, R.H. 20%-60%. Tool is calibrated at intervals of 20 psi air pressures, all other values are extrapolated. Calibrations are per ISO5393 Soft Joint Standard.

**Standard Torque** 

PRESSURE	MIN	MAX	As Receive		
psi	lbf.ft (N.m)	lbf.ft (N.m)	lbf.ft	N.m	
20	324 (439)	358 (485)	341	462	
25	401 (543)	443 (601)	422	572	
30	478 (648)	528 (716)	503	682	
35	555 (752)	613 (832)	584	792	
40	632 (857)	698 (947)	665	902	
45	702 (952)	776 (1052)	739	1002	
50	772 (1047)	853 (1157)	813	1102	
55	842 (1142)	931 (1262)	886	1202	
60	912 (1237)	1008 (1367)	960	1302	
65	982 (1332)	1086 (1472)	1034	1402	
70	1052 (1427)	1163 (1577)	1108	1502	
75	1122 (1522)	1241 (1682)	1181	1602	
80	1192 (1617)	1318 (1787)	1255	1702	

Torque values determined using 10 ft length hose

Inspection Checks Done: Reverse & High Speed: Pass
As Received/ As Left Calibration Status: Pass

Calibration Technician

Vincent Sturdy

Approved By: Title: Q.A. Manager **Xoshy Sachariah** 

Calibration Date 1/23/2015

Calibrations are in accordance with requirements of ISO/IEC 17025:2005. Calibration results were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). Expanded uncertainties expressed at approximately 95% confidence levels using a coverage factor K=2 was accounted for in making compliance/non compliance decision with specification, and are available within 30 days of calibration date. Results are valid only to the above item calibrated at the time of test. This certificate shall not be reproduced except in full without the written permission of Jetyd Corp.

V5.5 01/14/2015 150123093315



# TOOL MODEL: J-GUN AIR-1 APACHE DUAL SPEED J1P00747

## **PRESSURE / TORQUE CONVERSION CHART**

### **Standard Torque**

Otanidara Torque						
PRESSURE		TORQUE				
psi	bar	ft-lbs	kgf-m	N-m		
20	1.38	341	47	462		
25	1.72	422	58	572		
30	2.07	503	70	682		
35	2.41	584	81	792		
40	2.76	665	92	902		
45	3.10	739	102	1002		
50	3.45	813	112	1102		
55	3.79	886	123	1202		
60	4.14	960	133	1302		
65	4.48	1034	143	1402		
70	4.83	1108	153	1502		
75	5.17	1181	163	1602		
80	5.52	1255	174	1702		

Torque values determined using 10 ft length hose

Calibrations are per ISO5393 Soft Joint Standard.

NOTE: 1) Minimum 30 CFM air required to use this pneumatic torque tool. 2) Use  $\frac{1}{2}$ " or  $\frac{3}{4}$ " diameter hose for optimal results; minimum diameter hose to be used is  $\frac{1}{2}$ ".

1/23/2015

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