

CERTIFICATE OF CALIBRATION

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

CERTIFICATE# 150123093315
P.O. # 14-3436
SERIAL # J1P00747
PRESSURE RANGE: 20 - 80 psi

CUSTOMER HYTORC
TOOL MODEL J-GUN AIR-1 APACHE DUAL SPEED
STATED ACCURACY +/- 5%

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.

PRESSURE psi	Standard Torque				
	MIN lbf.ft (N.m)	MAX lbf.ft (N.m)	As Received/ As Left		
			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
Koshy 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 Jetlyd Corp.



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

PRESSURE / TORQUE CONVERSION CHART

PRESSURE		Standard 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 ½" or ¾" diameter hose for optimal results; minimum diameter hose to be used is ½".

1/23/2015

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V5.5 01/14/2015