

# CERTIFICATE OF CALIBRATION

**JETYD CORP**  
120 Wesley Street  
South Hackensack, NJ 07606

CERTIFICATE#: J1-160318083622

**CUSTOMER**   HYTORC  
**TOOL MODEL** J-GUN AIR-5  
**STATED ACCURACY** +/- 5%

**P.O. #**    16-463  
**SERIAL #**   J501075  
**PRESSURE RANGE:** 20 - 85 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 #1182099. Torque standard traceable to NIST by calibration report # 028446, Calibration date 02/04/2015, Calibration due date 05/2016.

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 Received/ As Left	
			lbf.ft	N.m
psi	lbf.ft (N.m)	lbf.ft (N.m)		
20	1093 (1481)	1208 (1637)	1150	1559
25	1392 (1888)	1539 (2086)	1465	1987
30	1692 (2293)	1870 (2535)	1781	2414
35	1991 (2700)	2201 (2984)	2096	2842
40	2291 (3107)	2532 (3434)	2412	3270
45	2596 (3520)	2869 (3890)	2733	3705
50	2902 (3934)	3207 (4348)	3054	4141
55	3207 (4348)	3545 (4806)	3376	4577
60	3513 (4762)	3883 (5264)	3698	5013
65	3819 (5178)	4221 (5724)	4020	5451
70	4126 (5594)	4560 (6182)	4343	5888
75	4432 (6009)	4899 (6641)	4665	6325
80	4735 (6419)	5233 (7095)	4984	6757
85	5002 (6782)	5529 (7496)	5266	7139

### Torque values determined using 10 ft length hose

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

Calibration Technician

*Vincent Sturdy*

Approved By:    Title: Q.A. Manager

*Koshy Sachariah*

**Calibration Date**    3/18/2016

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 upon request 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.



**TOOL MODEL: J-GUN AIR-5**  
**J501075**

**PRESSURE / TORQUE CONVERSION CHART**

PRESSURE		Standard Torque		
psi	bar	ft-lbs	kgf-m	N-m
20	1.38	1150	159	1559
25	1.72	1465	203	1987
30	2.07	1781	246	2414
35	2.41	2096	290	2842
40	2.76	2412	333	3270
45	3.1	2733	378	3705
50	3.45	3054	422	4141
55	3.79	3376	467	4577
60	4.14	3698	511	5013
65	4.48	4020	556	5451
70	4.83	4343	600	5888
75	5.17	4665	645	6325
80	5.52	4984	689	6757
85	5.86	5266	728	7139

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".

3/18/2016

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