



**RAPID-TORC®**

B I G N U T S - B I G T O O L S®  
WWW.RAPIDTORC.COM

PRESENTS

2009 ALL-STARS



CALIBRATION  
BY RAPID-TORC®

RAPID-TORC is an International Corporation, based in Houston, TX and Brussels, Belgium. Leader in the Bolting market, the company designs, manufactures and distributes high quality hydraulic torque wrenches, bolt tensioners and induction heating systems and delivers value-added technical services to customers worldwide.

ENSURE **SAFETY** WITH  
A CERTIFICATION AND  
TRACEABILITY.



Case Note:  
Crucial path needs precise torquing.  
This is our calibrated RT on a nuclear  
pressurized flange.

## RT Calibration features:

- Exhaustive inspection of tool condition and functionality
- Calibration stickers applied to tested instrument
- Conforms to ISO 9001:2008
- 40,000 ft-lbs. calibration capacity
- Tool is delivered with laminated torque charts and laminated calibration certificate

Our unique, state-of-the-art facility is located in Houston, Texas USA and in Brussels, Belgium Europe.


Rapid-Torc Calibration System is calibrated with Amthor#10336 Dead Weight Tester, S/N7 and TSD105011 Torque Transducer S/N138 traceable to the National Institute of Standards and Technology through Reference #822/266926-02 for Torque Cell Instrument and #821/260928-99, 821/260196-98 for Pressure Transducer Torque Instrument.

Our calibration process conforms to high industry standard such as:  
EN 837-1-2-3; EN 562; EN 472; ISO 1010; ISO 6789; ISO 10012-1 ; ANSI/NCSL Z540 ; AKO Spec PT-602, Rev3. 404, Rev4



NO JOB SHOULD BE DONE WITHOUT A CALIBRATED TOOL.  
IT IS **CRUCIAL** FOR ANY APPLICATION.

In accordance with ISO 6789, we recommend tool calibration on a yearly basis. We also calibrate each tool we repair.



**CALIBRATION CERTIFICATE**

Issued to: **RAPID-TORC INC**  
715 Smeeth Road  
Houston, TX 77063

Certificate #: **C-0008** Date: **05/19/08**

Customer: **JIM SHAW**  
Address: **19425 ESI Harry Ave**  
City/State: **Santa Clara/ Ca 95121**  
Country: **USA**

Tool Description: **Hydraulic Torque Wrench** Model: **RT-3**  
Serial #: **30296**  
Accuracy: **±0.5%**

Equipment used:  
Transducers: **1000 40011 204020** 0 to 40,000 lb-ft Torque transducer  
**1000 20020 204020** 0 to 10,000 psi Pressure transducer  
**10000000 20402020** Digital Indicator


Accuracy: Torque transducer: From 10% to 100% 0.1% FV  
From 0% to 10% ±2 divisions (10 lb-ft)  
Pressure transducer: From 10% to 100% 0.1% FV  
From 0% to 10% ±2 divisions (2 psi)

Testing procedure  
Calibration done in accordance with procedure "MPT-01 V4 2.0", in conformity with standard ISO 6789

Traceability  
Notes: Transducers were calibrated with traceability to National Institute for Standards and Technology (NIST)  
NIST #10120000-09, #021000195-06 and #02020000-02 - International Traceability UKAS, BNM, COPRAC, BIPM

Test conditions  
Temperature F: 78.00 Humidity %: 50.00  
Operator: Technical Manager: **R. DISCHERT**

Printed on: 05/19/08 10:00 AM



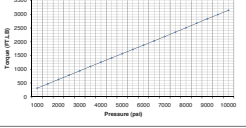
**CALIBRATION CERTIFICATE**

Issued to: **RAPID-TORC INC**  
715 Smeeth Road  
Houston, TX 77063

Certificate #: **C-0008** Date: **05/19/08**  
Customer: **JIM SHAW** Valid Until: **05/18/09**

Tool Description: **Hydraulic Torque Wrench** Model: **RT-3**  
Serial #: **30296**  
Accuracy: **±0.5%**

Pressure	PSI	BAR	READINGS (F1-F5)					AVERAGE
			N1	N2	N3	N4	N5	
1000	138	9.5	47.8	48.0	47.8	47.8	47.8	47.8
2000	138	9.5	47.8	48.0	47.8	47.8	47.8	47.8
3000	207	14.5	65.5	65.0	65.5	65.5	65.5	65.5
4000	276	19.5	83.5	83.0	83.5	83.5	83.5	83.5
5000	345	24.5	101.0	100.0	101.0	101.0	101.0	101.0
6000	414	29.5	118.5	118.0	118.5	118.5	118.5	118.5
7000	483	34.5	136.0	135.0	136.0	136.0	136.0	136.0
8000	552	39.5	153.5	153.0	153.5	153.5	153.5	153.5
9000	621	44.5	171.0	170.0	171.0	171.0	171.0	171.0
10000	690	49.5	188.5	188.0	188.5	188.5	188.5	188.5



RESULT: **CONFORM**

Printed on: 05/19/08 10:00 AM

Sample calibration certificate. Our state-of-the-art system automatically generates the certificate, this leaves no room for error. Our certificates have full NIST traceability and provides standards information.

Our calibration system is very efficient, which allows us to provide a quick turn-around time.



RT-3 (max torque 3,230 ft-lbs) during calibration process.



**RAPID-TORC, INC**  
715 Bradfield  
Houston, TX 77060  
USA

Phone: (281)448-5900  
Fax: (281)260-0779

**RAPID-TORC, S.A.**  
Avenue Louise, 306  
B-1050 Brussels  
Belgium

Tel: +32 2 358 1933  
Fax: +32 2 358 5066

[www.rapidtorc.com](http://www.rapidtorc.com)  
[sos@rapidtorc.com](mailto:sos@rapidtorc.com)