



TABLE DE CONVERSION PRESSION/COUPLE

Affectée à la clé **HY 1 MXT N°** **M1FI2303-489**

avec carré de 3/4"

Suivant constat de vérification du **07/04/2025**

Constat n° **3-20k-250407110625**

Mise en service le **23/04/2025**

Régler la pression choisie sur la pompe pour obtenir le couple souhaité.

Exemple: pour obtenir 593Nm il faut régler la pression de la pompe à 220 bars ou 3200 PSI

PSI	BAR	Couple en Nm
1000	70	183
1200	84	219
1400	98	256
1600	110	295
1800	124	332
2000	138	369
2200	152	406
2400	165	443
2600	179	482
2800	193	519
3000	207	556
3200	220	593
3400	234	630
3600	248	661
3800	262	698
4000	276	735
4200	290	772
4400	303	808
4600	317	841
4800	331	877
5000	345	914
5200	358	951
5400	372	987
5600	386	992
5800	400	1028
6000	414	1063
6200	427	1099
6400	441	1134
6600	455	1179
6800	468	1215
7000	482	1250
7200	496	1286
7400	510	1322
7600	524	1342
7800	538	1378
8000	552	1413
8200	565	1448
8400	579	1484
8600	593	1513
8800	607	1549
9000	620	1584
9200	634	1619
9400	648	1654
9600	662	1726
9800	676	1762
10000	690	1798

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Hustach

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HYTORC

CERTIFICATE OF CALIBRATION

HYTORC Division, UNEX Corporation
100 Wesley St.
South Hackensack, New Jersey 07606
Phone: 201-512-9500

PJLA Accreditation # 66167

MANUFACTURER HYTORC
TOOL MODEL MXT 1
STATED ACCURACY $\pm 3\%$ OF HYTORC STANDARD PRESSURE/TORQUE CONVERSION CHART
TORQUE RANGE 200 to 1,340 Lb.ft PRESSURE RANGE 1,500 to 10,000 psi

SERIAL # M1FI2303-489
ASSET # N/A

PROCEDURE AND METHOD USED

319 Hydraulic Torque Tool Calibration Rev 3.1 Version 3.1

CALIBRATION EQUIPMENT USED

Torque Specialties TORQUE MASTER Automated Hydraulic Calibration System

[X] TSD20011, s/n 6288, 0 to 20000 ft.lb. Torque Cell with TSD6500-2 s/n 20810 Instrument, NIST Traceability Reference # 401317, Calibration Date: 10/03/2022, Calibration Due Date 09/2025, Accuracy within ± 0.75 Indicated Value.

[X] TSD10KPT, s/n 136109, 0 to 10000 psi Pressure Transducer with TSD6500-2 s/n 20810 Instrument, NIST Traceability Reference # 401318, Calibration Date: 10/03/2022, Calibration Due Date 09/2025, Accuracy within ± 0.25 Indicated Value.

Calibration performed at Temperature 68°F

Relative Humidity 31%

Pressure [psi]	HYTORC Standard Torque [Lb.ft]	As Found / As Left Torque [Lb.ft]	MIN Torque [Lb.ft]	MAX Torque [Lb.ft]
1,500	200	202 ✓	194	206
2,000	270	272 ✓	261	278
3,000	405	410 ✓	392	417
4,000	535	542 ✓	518	551
5,000	670	674 ✓	649	690
6,000	805	784 ✓	780	829
7,000	940	922 ✓	911	968
8,000	1,075	1,042 ✓	1,042	1,107
9,000	1,205	1,168 ✓	1,168	1,241
10,000	1,340	1,326 ✓	1,299	1,380

AS FOUND / AS LEFT tool MXT 1 serial# M1FI2303-489 is WITHIN STANDARDS OF ACCURACY

CALIBRATED BY: Pedro Paez

APPROVED BY: Christopher Frie
Lab Manager

CERTIFICATE #: 3-20K-250407110625

UNCERTAINTY: 0.6% of reading

CALIBRATION DATE: April 7, 2025
HYTORC Hustach
ISSUE DATE: April 7, 2025
ZA DE MONTEPY
69210 FLEURIEUX SUR L'ARBRESLE
DATE TOOL PUT IN SERVICE: 2/23/24/2025
Tel.: 04 78 33 59 19
E-mail: info@hytorc.com
N° de certification: 189900027
TVA: FR 11 808 88 1199

Calibrations are in accordance with requirements of ISO/IEC 17025:2017. Calibration results were obtained using slipstream calibration methods that are traceable to NIST and through NIST to the International System of Units (SI). Expanded uncertainties expressed at approximately 95% confidence level with 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 for the above item calibrated at the time of test. This certificate shall not be reproduced except in full without the written permission of HYTORC Division, UNEX Corporation. Pass/Fail results are based on +/- tolerance only. Many factors may cause an item to drift out of tolerance before the next scheduled calibration.

(created with HY-Cal v1.4.2)