



CERTIFICATE OF CALIBRATION

CERTIFICATE # TW-XXXXX

Industrial Bolting Technologies certifies that the instrument below has been calibrated in accordance with IBT calibration procedures under the conditions noted below using laboratory standards which are traceable to SI units.

The uncertainty represents an expanded uncertainty at approximately the 95% confidence level using a coverage factor of k=2.

The information on this certificate applies only to the identified instrument and may not be reproduced, except in full, without the written consent of Industrial Bolting Technologies, Inc.

MODEL	
SERIAL #	
TYPE	Click
CAL DATE	
CAL DUE	
ACCURACY	(+/-) 4%
RANGE MAX	208
RANGE MIN	38.4

Customer	INDUSTRIAL BOLTING TECHNOLOGIES
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Address	
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Tech:	Temp (°F)	RH %
	72	68

AS FOUND			
PERCENT OF RANGE	WRENCH SETTING	AS FOUND	TOLERANCE
100%	200 ftlb	200 ftlb	(+/-) 4%
60%	120 ftlb	120 ftlb	(+/-) 4%
20%	40 ftlb	40 ftlb	(+/-) 4%

AS LEFT			
PERCENT OF RANGE	WRENCH SETTING	AS LEFT	TOLERANCE
100%	200 ftlb	200 ftlb	(+/-) 4%
60%	120 ftlb	120 ftlb	(+/-) 4%
20%	40 ftlb	40 ftlb	(+/-) 4%

Expanded Uncertainty	
Range	k=2
10-100 lbf in	0.7
50-500 lbf in	2.4
25-250 lbf ft	4.1
75-750 lbf ft	8.7

Test Method:	TI-CAL-1
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STANDARDS USED FOR CALIBRATION

MODEL USED	MFGR	SERIAL #	CERT #	EXPIRES	RANGE
MTMDP-4L-100	AWS	10963-1	13652-1	3/20/20	10-100 IN-LBS
MTMDP-4L-500	AWS	10963-2	13653-1	3/20/20	50-500 IN-LBS
MTMDP-4L-250	AWS	10963-3	13654-1	3/20/20	25-250 FT-LBS
MTMDP-4L-750	AWS	10963-4	13655-1	3/20/20	75-750 FT-LBS

SIGNATURE 7/2/19
DATE