

SKC-PTM Appropriate Usage Concept



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SKC-PTM Brushless Cordless Battery Screwdriver Series

Features:

* Multiple Torque Setting

Multi-section torque setting combination (99x6 combinations as max)

* OK & NG Indicator

Prevent cross thread and stripped screw to secure fastening quality.

* Program

Max. 5 programs to use in a sequence.

*Screw Count

Counter reminds user for no. of remaining untighten screw.

* Prohibit setting configuration

User cannot change settings without remote control.

Impact Torque Control Shut-off



Specifications				
Model	SKC-PTM-50	SKC-PTM-70	SKC-PTM-100	SKC-PTM-200
Input Voltage	14.4V	14.4V	14.4V	14.4V
Free Speed (r.p.m)	0~1900	0~2600	0~2000	0~1700
B.P.M	0 ~ 2500	0 ~ 3400	0 ~ 2600	0 ~ 2100
Torque(N.m)	8 ~ 50	20 ~ 70	20 ~ 100	25 ~ 200
Bolt Size (Class 12.9)	M6~M8~M10~M12	M8~M10~M12~M14	M10~M12~M14~M16	M12~M14~M16~M20
Torque Tester	KTM-IWT50、KTM-IWT400	KTM-IWT400	KTM-IWT400	KTM-IWT400
Torque	Torque(M6) 3 - 20 N.m	Torque(M8) 8 - 30 N.m	Torque(M10) 8 - 40 N.m	Torque(M12) 15 - 110 N.m
	Torque(M8) 3 - 20 N.m	Torque(M10) 8 - 40 N.m	Torque(M12) 20 - 70 N.m	Torque(M14) 25 - 120 N.m
	Torque(M10) 5 - 30 N.m	Torque(M12) 20 - 60 N.m	Torque(M14) 20 - 90 N.m	Torque(M16) 25 - 140 N.m
	Torque(M12) 12 - 50 N.m	Torque(M14) 25 - 70 N.m	Torque(M16) 25 - 100 N.m	Torque(M20) 25 - 200 N.m
Bit Size	<td colspan="2"> </td>			
Weight(kg)	0.98 (Without Battery)	1 (Without Battery)	1.02 (Without Battery)	1.5 (Without Battery)
Size(mm)	174X202(LXH Without Battery)			219X220(LXH Without Battery)
Applicable Battery	SKC-LB1425	SKC-LB1425	SKC-LB1425	SKC-LB1425
Applicable Charge Station	SKC-P70W	SKC-P70W	SKC-P70W	SKC-P70W
Optional Accessories	KL-RC1			






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Correlation between Bolt size and torque Value

Each model of SKC-PTM Series has different torque range and based on bolt size, please select model according to required bolt size (M) and target torque (N.m).

For example:

From the specification chart, bolt size M12 can be reach 50Nm, but M10 only can reach 30Nm at same setting on PTM50; please note that larger bolt has a higher coefficient of friction and therefore can produces higher torque value, vice versa.

SKC-PTM-50	SKC-PTM-70	SKC-PTM-100
10.8V	14.4V	14.4V
0 ~ 1900	0 ~ 2600	0 ~ 2000
0 ~ 2500	0 ~ 3400	0 ~ 2600
5 ~ 50	20 ~ 70	20 ~ 100
Socket 19mm (52.8g) Socket 19mm (116.2g)	Socket 24mm (163.3g) Socket 24mm (163.3g)	Socket 24mm (163.3g) Socket 24mm (163.3g)
±8~10%	±8~10%	±8~10%
M6·M8·M10·M12	M8·M10·M12·M14	M10·M12·M14·M16
KTM-IWT50、KTM-IWT400	KTM-IWT50、KTM-IWT400	KTM-IWT50、KTM-IWT400
Torque(M6) 3 - 20 N.m	Torque(M8) 8 - 30 N.m	Torque(M10) 8 - 40 N.m
Torque(M8) 3 - 20 N.m	Torque(M10) 8 - 40 N.m	Torque(M12) 20 - 70 N.m
Torque(M10) 5 - 30 N.m	Torque(M12) 20 - 60 N.m	Torque(M14) 20 - 90 N.m
Torque(M12) 12 - 50 N.m	Torque(M14) 25 - 70 N.m	Torque(M16) 25 - 100 N.m
		
0.98 (Without Battery)	1 (Without Battery)	1.02 (Without Battery)
	174X202(LXH Without Battery)	
SKC-LB1025M	SKC-LB1425	SKC-LB1425
SKC-P50W	SKC-P70W	SKC-P70W



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Correlation between Bolt size and torque Value

** Please refer to the comparison chart of Bolt torque value and physical limit :*

Screw Size	M6	M8	M10	M12	M14	M16
Torque Value (N·m)	10	25	50	90	150	240
Max. Torque Value (N·m)	12	29	59	100	162	255

e.g. If M6 size bolt force torque over than the max limit 12(Nm), the bolt will bend or even break off.



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SKC-PTM Torque Tester - KTM- IWT400

Torque tester **IWT400**- Special for Impact Screwdriver

KILEWS SKC-PTM Series Torque range results are all based on the torque tester model KTM-IWT400; Tool should be able to find torque in the range needed by suitable parameter setting of both number of force and impacts.



***KILEWS Standard test for
PTM tool with IWT 400***



Another way to verify the torque is using the Indicating Torque Wrench



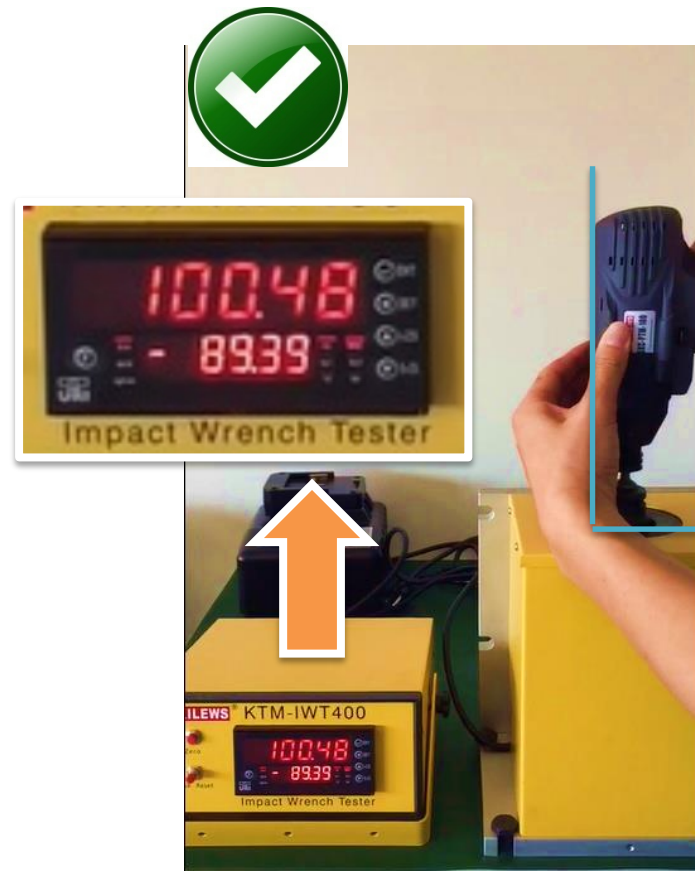
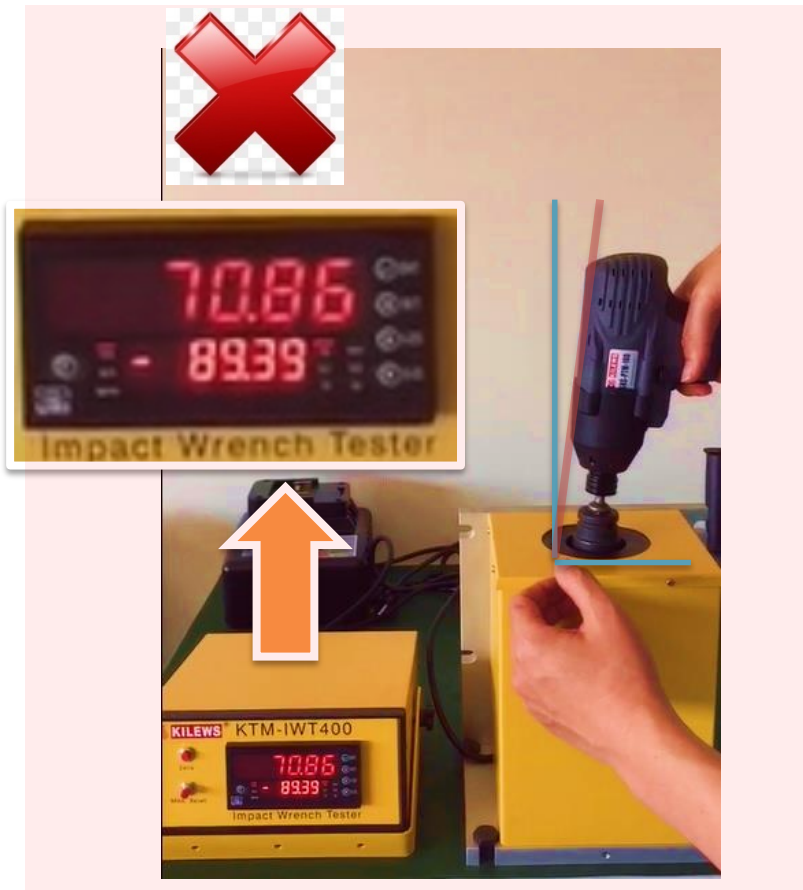
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The importance of holding correctly

* Please keep the PTM tool vertical to the bolt joint (90 degrees) to ensure maximum torque output when performing impact.



(For example: PTM-100 in Maximum setting in bolt size M16)

Supplementary Information

** Based on Loover's sales experience, since we may not exactly know the customer application is, that 's including target torque, joint type(with washer, gasket)or bolt size they are using, so we suggested that you could take **80%** of full torque capacity of tool to introduce on their application, this is just a concept for entire PTM models and this conservative way is not only more safe but also could filter out some inappropriate application or latent issues.*

PS: Please confirm that you're fully understood the features of PTM product before demo it to the customers, or informed us that if arrange further training is needed.