Homologation

Document no: 002/2023

CellClutch

Cordless Assembly Tools

Type: **Cleco - CLBP08Q**

Order no.: **CLBP8Q**

This homologation also applies to type(s):

Cleco - CLBPW08Q-00
Cleco - CLBPW08Q-CN
Cleco - CLBPW08Q-EU
Cleco - CLBPW08Q-NA
Cleco - CLBP08Q-1
Cleco - CLBPW08Q-00
Cleco - CLBPW08Q-CN1
Cleco - CLBPW08Q-EU1
Cleco - CLBPW08Q-NA1

Cleco - CLBP08Q

Pistol Tool

Order no.: CLBP8Q

Included	*Type*	*Order no.*
	Cleco - CLBPW08Q-00	CLBPW08Q-00
	Cleco - CLBPW08Q-CN	CLBPW08Q-CN
	Cleco - CLBPW08Q-EU	CLBPW08Q-EU
	Cleco - CLBPW08Q-NA	CLBPW08Q-NA
	Cleco - CLBP08Q-1	CLBP08Q-1
	Cleco - CLBPW08Q-00	CLBPW08Q-00
	Cleco - CLBPW08Q-CN1	CLBPW08Q-CN1
	Cleco - CLBPW08Q-EU1	CLBPW08Q-EU1
	Cleco - CLBPW08Q-NA1	CLBPW08Q-NA1

Machine type:	Cordless Assembly Tools
Torque range:	2,1 Nm to 8 Nm
Max speed:	985 rpm
Certified serial nos.:	IJJ1002, IIJ1008, IJJ1016

Contents:

Overview C_m/C_{mk} values
General specifications tool and controller
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Machine capability study and graphs
Measurement capability test

Apex Tool Group

Cordless Assembly Tools

C_m / C_{mk} values achieved

According VDI/VDE 2647 February 2013

Accuracy class: 10 %

Tool model	Serial nos.	Test data	30 %		80 %		100 %	
			30° ±5°	360° ±15°	30° ±5°	360° ±15°	30° ±5°	360° ±15°
CLBP08Q		Break time	5 s	5 s	5 s	5 s	5 s	5 s
		Test torque	**3,87 Nm**		**6,82 Nm**		**8,00 Nm**	
		Speed in 1st stage	600 rpm	600 rpm	600 rpm	600 rpm	600 rpm	600 rpm
		Speed in last stage						
		Angle start torque	1,94 Nm		3,41 Nm		4,00 Nm	
	IJJ1002	C_m	5,18	8,48	5,52	6,59	7,95	7,34
		C_{mk}	5,07	8,25	5,20	4,92	5,65	6,28
	IIJ1008	C_m	4,97	4,66	3,46	3,61	4,18	3,46
		C_{mk}	4,38	4,30	3,34	3,41	3,60	3,08
	IJJ1016	C_m	7,72	13,47	5,33	5,33	8,81	4,79
		C_{mk}	6,24	12,53	4,45	4,45	6,12	4,26
Min. C_m/C_{mk}		C_m	4,97	4,66	3,46	3,61	4,18	3,46
		C_{mk}	4,38	4,30	3,34	3,41	3,60	3,08

	Target:	≥ 1.67	**Rating**
Capability index	C_m	**3,46**	**OK**
	C_{mk}	**3,08**	**OK**

Annex 1

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Date: 16.11.2023

Test sheet no. 1a

General specifications

Manufacturer:	Apex Tool Group	**Assembly tool type**	Cordless Assembly Tools
Tool model:	CLBP08Q	**Serial numbers:**	IJJ1002, IIJ1008, IJJ1016
Torque range:	2,1 Nm to 8 Nm		

Rated capacity:		**2000 mAh**	**5000 mAh**
Battery voltage:		18 Volt	
Weight (without battery):		1,09 kg	
Weight (with battery):		1,52 kg	1,82 kg
Maximum speed at the first stage:		985 rpm	
Maximum speed at the final stage:		985 rpm	
Minimum speed at the final stage:		99 rpm	
Sound pressure level at maximum speed: (acc. to DIN EN 62841-1:2016-07, DIN EN 62841-2-2:2015-05)		67,4 dB(A)	
Number of duty cycles with a battery at 100% torque	Soft joint (L):	458 runs	1165 runs
	Hard joint (H):	704 runs	1804 runs
Temperature of electrical tools: (After 100 measurements with soft jont at 80% torque)		start	end
	at the output drive:	-	-
	on the electric motor:	22 °C	32 °C
	on the handle:	22 °C	34 °C
Output type:		Quick release	
Output drive size:		1/4" HEX	

POWER TOOLS SALES & SERVICE CENTERS

Please note that all locations may not service all products.
Contact the nearest Cleco® Sales & Service Center for the appropriate facility to handle your service requirements.

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