Homologation

Document no: 003/23

CellClutch

Cordless Assembly Tools

Type: **Cleco - CLBP12Q**

Order no.: **CLBP12Q**

This homologation also applies to type(s):

Cleco - CLBPW12Q-00
Cleco - CLBPW12Q-CN
Cleco - CLBPW12Q-EU
Cleco - CLBPW12Q-NA
Cleco - CLBP12Q-1
Cleco - CLBPW12Q-001
Cleco - CLBPW12Q-CN1
Cleco - CLBPW12Q-EU1
Cleco - CLBPW12Q-NA1

Cleco - CLBP12Q

Pistol Tool

Order no.: CLBP12Q

Included	*Type*	*Order no.*
	Cleco - CLBPW12Q-00	CLBPW12Q-00
	Cleco - CLBPW12Q-CN	CLBPW12Q-CN
	Cleco - CLBPW12Q-EU	CLBPW12Q-EU
	Cleco - CLBPW12Q-NA	CLBPW12Q-NA
	Cleco - CLBP12Q-1	CLBP12Q-1
	Cleco - CLBPW12Q-001	CLBPW12Q-001
	Cleco - CLBPW12Q-CN1	CLBPW12Q-CN1
	Cleco - CLBPW12Q-EU1	CLBPW12Q-EU1
	Cleco - CLBPW12Q-NA1	CLBPW12Q-NA1

Machine type:	Cordless Assembly Tools
Torque range:	3,2 Nm to 12 Nm
Max speed:	700 rpm
Certified serial nos.:	IJJ1005, IJJ1006, IJJ1008

Contents:

Overview C_m/C_{mk} values
General specifications tool and controller
Power Tools Sales & Service Centers
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°
CLBP12Q		Break time	5 s	5 s	5 s	5 s	5 s	5 s
		Test torque	**5,84 Nm**		**10,24 Nm**		**12,00 Nm**	
		Speed in 1st stage	-	-	-	-	-	-
		Speed in last stage	600 rpm	600 rpm	600 rpm	600 rpm	600 rpm	600 rpm
		Angle start torque	2,92 Nm		5,12 Nm		6,00 Nm	
	IJJ1005	C_m	9,69	12,09	13,23	12,17	10,18	5,78
		C_{mk}	9,15	9,78	8,58	12,03	8,05	4,66
	IJJ1006	C_m	10,30	12,02	13,70	23,54	9,93	15,22
		C_{mk}	9,46	8,54	9,15	20,14	7,13	13,62
	IJJ1008	C_m	10,99	13,14	15,27	17,96	7,37	14,10
		C_{mk}	9,93	13,12	14,52	17,00	6,75	13,85
Min. C_m/C_{mk}		C_m	9,69	12,02	13,23	12,17	7,37	5,78
		C_{mk}	9,15	8,54	8,58	12,03	6,75	4,66

	Target:	≥ 1.67	**Rating**
Capability index	C_m	**5,78**	**OK**
	C_{mk}	**4,66**	**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:	CLBP12Q	**Serial numbers:**	IJJ1005, IJJ1006, IJJ1008
Torque range:	3,2 Nm to 12 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:		700 rpm	
Maximum speed at the final stage:		700 rpm	
Minimum speed at the final stage:		70 rpm	
Sound pressure level at maximum speed: (acc. to DIN EN 62841-1:2016-07, DIN EN 62841-2-2:2015-05)		68,2 dB(A)	
Number of duty cycles with a battery at 100% torque	Soft joint (L):	347 runs	876 runs
	Hard joint (H):	605 runs	1481 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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