Homologation

Document no: 002/2024

CellClutch

Cordless Assembly Tools

Type: **Cleco - CLBA303**

Order no.: **CLBA303**

This homologation also applies to type(s):

Cleco - CLBAW303-1
Cleco - CLBAW303-00
Cleco - CLBAW303-001
Cleco - CLBAW303-CN
Cleco - CLBAW303-CN1
Cleco - CLBAW303-EU
Cleco - CLBAW303-EU1
Cleco - CLBAW303-NA
Cleco - CLBAW303-NA1

Cleco - CLBA303

Right Angle Tool

Order no.: CLBA303

Included	*Type*	*Order no.*
	Cleco - CLBAW303-1	CLBAW303-1
	Cleco - CLBAW303-00	CLBAW303-00
	Cleco - CLBAW303-001	CLBAW303-001
	Cleco - CLBAW303-CN	CLBAW303-CN
	Cleco - CLBAW303-CN1	CLBAW303-CN1
	Cleco - CLBAW303-EU	CLBAW303-EU
	Cleco - CLBAW303-EU1	CLBAW303-EU1
	Cleco - CLBAW303-NA	CLBAW303-NA
	Cleco - CLBAW303-NA1	CLBAW303-NA1

Machine type:	Cordless Assembly Tools
Torque range:	8,3 Nm to 30 Nm
Max speed:	255 rpm
Certified serial nos.:	ILJ1006, ILJ1007, ILJ1008

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°
CLBA303		Break time	4 s	4 s	4 s	4 s	4 s	8 s
		Test torque	**14,81 Nm**		**25,66 Nm**		**30,00 Nm**	
		Speed in 1st stage	255 rpm	255 rpm	255 rpm	255 rpm	255 rpm	255 rpm
		Speed in last stage	rpm	rpm	rpm	rpm	rpm	rpm
		Angle start torque	7,41 Nm		12,83 Nm		15,00 Nm	
	ILJ1006	C_m	3,40	4,39	2,77	4,56	2,98	6,39
		C_{mk}	2,99	3,01	2,50	4,25	2,87	4,75
	ILJ1007	C_m	2,77	5,15	2,82	5,64	2,66	5,77
		C_{mk}	2,24	3,87	2,62	4,84	2,59	4,47
	ILJ1008	C_m	4,26	5,65	4,51	5,36	3,32	4,57
		C_{mk}	4,10	3,73	3,50	5,33	3,15	4,04
Min. C_m/C_{mk}		C_m	2,77	4,39	2,77	4,56	2,66	4,57
		C_{mk}	2,24	3,01	2,50	4,25	2,59	4,04

	Target:	≥ 1.67	**Rating**
Capability index	**C_m**	**2,66**	**OK**
	C_{mk}	**2,24**	**OK**

Annex 1

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Date: 09.02.2024

Test sheet no. 1a

General specifications

Manufacturer:	Apex Tool Group	**Assembly tool type**	Cordless Assembly Tools
Tool model:	CLBA303	**Serial numbers:**	ILJ1006, ILJ1007, ILJ1008
Torque range:	8,3 Nm to 30 Nm		

Rated capacity:		**2000 mAh**	**5000 mAh**
Battery voltage:		18 Volt	
Weight (without battery):		1,75 kg	
Weight (with battery):		2,18 kg	2,48 kg
Maximum speed at the first stage:		255 rpm	
Maximum speed at the final stage:		255 rpm	
Minimum speed at the final stage:		26 rpm	
Sound pressure level at maximum speed: (acc. to DIN EN 62841-1:2016-07, DIN EN 62841-2-2:2015-05)		68,0 dB(A)	
Number of duty cycles with a battery at 100% torque	Soft joint (L):	173 runs	434 runs
	Hard joint (H):	484 runs	1231 runs
Temperature of electrical tools: (After 100 measurements with soft jont at 80% torque)		start	end
	at the output drive:	22 °C	26 °C
	on the electric motor:	22 °C	30 °C
	on the handle:	22 °C	31 °C
Output type:		Square drive	
Output drive size:		3/8 inches	

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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