Homologation

Document no: 001/2023

CellClutch

Cordless Assembly Tools

Type: **Cleco - CLBP04Q**

Order no.: **CLBP04Q**

This homologation also applies to type(s):

Cleco - CLBP04Q-00
Cleco - CLBP04Q-CN
Cleco - CLBP04Q-EU
Cleco - CLBP04Q-NA
Cleco - CLBP04Q-1
Cleco - CLBP04Q-001
Cleco - CLBP04Q-CN1
Cleco - CLBP04Q-EU1
Cleco - CLBP04Q-NA1

Cleco - CLBP04Q

Pistol Tool

Order no.: CLBP04Q

Included	*Type*	*Order no.*
	Cleco - CLBP04Q-00	CLBP04Q-00
	Cleco - CLBP04Q-CN	CLBP04Q-CN
	Cleco - CLBP04Q-EU	CLBP04Q-EU
	Cleco - CLBP04Q-NA	CLBP04Q-NA
	Cleco - CLBP04Q-1	CLBP04Q-1
	Cleco - CLBP04Q-001	CLBP04Q-001
	Cleco - CLBP04Q-CN1	CLBP04Q-CN1
	Cleco - CLBP04Q-EU1	CLBP04Q-EU1
	Cleco - CLBP04Q-NA1	CLBP04Q-NA1

Machine type:	Cordless Assembly Tools
Torque range:	1,1 Nm to 4 Nm
Max speed:	1500 rpm
Certified serial nos.:	IJJ1012, IJJ1013, IJJ1014

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°
CLBP04Q		Break time	5 s	5 s	5 s	5 s	5 s	5 s
		Test torque	**1,97 Nm**		**3,42 Nm**		**4,00 Nm**	
		Speed in 1st stage	600 rpm	600 rpm	600 rpm	600 rpm	600 rpm	600 rpm
		Speed in last stage						
		Angle start torque	0,99 Nm		1,71 Nm		2,00 Nm	
	IJJ1012	C_m	6,95	6,64	8,73	11,70	5,25	14,42
		C_{mk}	5,25	6,11	7,44	11,02	4,26	12,16
	IJJ1013	C_m	3,52	3,17	5,93	7,67	6,30	7,43
		C_{mk}	2,51	2,28	5,09	7,42	6,19	5,80
	IJJ1014	C_m	3,21	7,24	5,16	8,96	7,16	9,83
		C_{mk}	2,62	6,51	4,97	7,49	6,91	6,74
Min. C_m/C_{mk}		C_m	3,21	3,17	5,16	7,67	5,25	7,43
		C_{mk}	2,51	2,28	4,97	7,42	4,26	5,80

	Target:	≥ 1.67	**Rating**
Capability index	C_m	**3,17**	**OK**
	C_{mk}	**2,28**	**OK**

Annex 1

Document no: 001/2023
Date: 12.02.2024

Test sheet no. 1a

General specifications

Manufacturer:	Apex Tool Group	**Assembly tool type**	Cordless Assembly Tools
Tool model:	CLBP04Q	**Serial numbers:**	IJJ1012, IJJ1013, IJJ1014
Torque range:	1,1 Nm to 4 Nm		

Rated capacity:		**2000 mAh**	**5000 mAh**
Battery voltage:		18 Volt	
Weight (without battery):		1,07 kg	
Weight (with battery):		1,50 kg	1,80 kg
Maximum speed at the first stage:		1500 rpm	
Maximum speed at the final stage:		1500 rpm	
Minimum speed at the final stage:		177 rpm	
Sound pressure level at maximum speed: (acc. to DIN EN 62841-1:2016-07, DIN EN 62841-2-2:2015-05)		65,3 dB(A)	
Number of duty cycles with a battery at 100% torque	Soft joint (L):	1002 runs	2494 runs
	Hard joint (H):	1807 runs	4448 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	31 °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.

Sales Center
Service Center

NORTH AMERICA | SOUTH AMERICA

DETROIT, MICHIGAN
Apex Tool Group
2630 Superior Court
Auburn Hills, MI 48236
Phone: +1 (248) 393-5644
Fax: +1 (248) 391-6295

LEXINGTON, SOUTH CAROLINA
Apex Tool Group
670 Industrial Drive
Lexington, SC 29072
Phone: +1 (800) 845-5629
Phone: +1 (919) 387-0099
Fax: +1 (803) 358-7681

MEXICO
Apex Tool Group
Vialidad El Pueblito #103
Parque Industrial Querétaro
Querétaro, QRO 76220
Mexico
Phone: +52 (442) 211 3800
Fax: +52 (800) 685 5560

EUROPE | MIDDLE EAST | AFRICA

FRANCE
Apex Tool Group SAS
25 Avenue Maurice Chevalier - ZI
77330 Ozoir-La-Ferrière
France
Phone: +33 1 64 43 22 00
Fax: +33 1 64 43 17 17

GERMANY
Apex Tool Group GmbH
Industriestraße 1
73463 Westhausen
Germany
Phone: +49 (0) 73 63 81 0
Fax: +49 (0) 73 63 81 222

HUNGARY
Apex Tool Group
Hungária Kft.
Platánfa u. 2
9027 GyörHungary
Phone: +36 96 66 1383
Fax: +36 96 66 1135

ASIA PACIFIC

AUSTRALIA
Apex Tool Group
519 Nurigong Street, Albury
NSW 2640
Australia
Phone: +61 2 6058 0300

CHINA
Apex Power Tool Trading
(Shanghai) Co., Ltd.
2nd Floor, Area C
177 Bi Bo Road
Pu Dong New Area, Shanghai
China 201203 P.R.C.
Phone: +86 21 60880320
Fax: +86 21 60880298

INDIA
Apex Power Tool Trading
Private Limited
Gala No. 1, Plot No. 5
S. No. 234, 235 & 245
Indialand Global
Industrial Park
Taluka-Mulsi, Phase I
Hinjawadi, Pune 411057
Maharashtra, India
Phone: +91 020 66761111

JAPAN
Apex Tool Group Japan
Korin-Kaikan 5F,
3-6-23 Shibakoen, Minato-Ku,
Tokyo 105-0011, JAPAN
Phone: +81-3-6450-1840
Fax: +81-3-6450-1841

KOREA
Apex Tool Group Korea
#1503, Hibrand Living Bldg.,
215 Yangjae-dong,
Seocho-gu, Seoul 137-924,
Korea
Phone: +82-2-2155-0250
Fax: +82-2-2155-0252

Cleco

Apex Tool Group, LLC
Phone: +1 (800) 845-5629
Phone: +1 (919) 387-0099
Fax: +1 (803) 358-7681
www.ClecoTools.com
www.ClecoTools.de

1123 | Cleco is a registered trademark of Apex Brands, Inc. | © 2023