



Freedom PRW	Designation	Wireless cradle	Capacity	Drive	L1	Weight
			N·m	mm	mm	kg
113 38 0015	Freedom ^{4S} 15	197 13 0049: 15 N·m	1.5 - 15	9 x 12	364	1.0
113 38 0030	Freedom ^{4S} 30	197 13 0049: 30 N·m	3 - 30	9 x 12	364	1.0
113 38 0050	Freedom ^{4S} 50	197 13 0049: 50 N·m	5 - 50	9 x 12	364	1.0
113 38 0070	Freedom ^{4S} 70	197 13 0050: 70 N·m	7 - 70	9 x 12	470.5	1.0
113 38 0100	Freedom ^{4S} 100	197 13 0050: 100 N·m	10 - 100	9 x 12	470.5	1.0
113 38 0200	Freedom ^{4S} 200	197 13 0051: 200 N·m	20 - 200	14 x 18	604.5	1.2
113 38 0300	Freedom ^{4S} 300	197 13 0052: 300 N·m	30 - 300	14 x 18	754.5	1.2
113 38 0400	Freedom ^{4S} 400	197 13 0053: 400 N·m	40 - 400	14 x 18	854.5	1.4
113 38 0600	Freedom ^{4S} 600	197 13 0054: 600 N·m	60 - 600	14 x 18	1034.5	1.4
113 38 0800	Freedom ^{4S} 800	197 13 0055: 800 N·m	80 - 800	22 x 28	1255	
113 38 1000	Freedom ^{4S} 1000	197 13 0056: 1000 N·m	100 - 1000	Special	1470	
113 38 1200	Freedom ^{4S} 1200	197 13 0063: 1200 N·m	120 - 1200	Special	1570	

Wireless cradle



Part Number	Designation
197 14 0038	Option tool recognition for wrenches with 9x12 drive
197 14 0039	Option tool recognition for wrenches with 14x18 drive
333 51 0017	Direct battery charger to connect with your USB cable
197 14 0046	1D Barcode reader integrated
197 14 0044	2D Barcode reader integrated
197 14 0029	External battery charger
197 14 0040	Programming unit for recognition end fitting
323 19 0105	Rubber protection
313 11 0177	Rubber and display protection (only for Freedom ⁴)
323 19 0012	Display protection (only for Freedom ⁴)

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Freedom^{4S} Production

Torque & angle wrench

Advance solution for production
from 0 to 1 200 N·m

- Light, robust and accurate
- Automatic obstacle detection & incorrect hand position
- Wireless communication for data traceability
- End-fitting recognition
- High memory capacity

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Freedom^{4S} Production



Standard end-fittingend fitting recognition



Rubber protection
(PRW wrench is delivered with rubber protection wireless radio wings)



• Part number: 313 11 0177

PRW Production

- Production tightening
- Wireless management
- Data traceability
- Barcode reader/VIN management
- LAB functionalities

LAB Laboratory

- Joint analysis
- Prototype
- Material studies
- Pre-series
- Onboard results analysis
- Onboard traces
- Results and traces analysis on PC with Explorer software

Features

- Autonomy: up to 8 hours
- Torque accuracy: 0.5% of the read value
- Torque range: 10 to 100%
- Angle accuracy: +/-1° over 360°
- Memory 16 GB: >50 000 operations, traces and results
- Wireless communication WIFI/Bt
- WIFI 802.11 a/b/g/n
- Bluetooth V2
- Full security management
- WEP, WPA, WPA 2, EAP-TLS, LEAP, PEAP
- PRW functionalities
- LAB functionalities
- Untightening detection

Tightening strategy

- Fastening torque driven
- Fastening torque/angle
- Fastening yield
- Fastening yield/angle
- Prevailing torque

- Quick change wireless communication (WIFI/bt)
- Carbon extension
- USB connection for data traceability
- Large screen, 7 LEDs, vibration and buzzer to communicate with the operator
- Wireless charger
- Barcode reader in option
- Self diagnostic





Hand position detection to ensure correct operation

Guidance solution

A large color touch screen help the operator during the assembly process.



Obstacle detection “patented” eliminate damage of your parts and protect your wrench

Compatible with FIM-EVO



Manage up to 12 assembly tools and 6 stations
Fieldbus compatibility and data traceability
Webserver application.

Accurate VDI/VDE 2645-2:2014

Wireless communication

Open protocol

VW-XML protocol

End fitting recognition to manage your assembly process

Flexibility with more than 50 000 operations