



Plug & Tighten^{Tools}



Plug &
Tighten

www.plugandtighten.com

- ▶ *Torque or Torque & Angle*
- ▶ *Digital transducer control*
- ▶ *Setup in less than 60 secs*
- ▶ *Maintenance Free*
- ▶ *Low Life Cycle Cost*

Exclusively from



CVIP

The Ultimate Power Tools

CVIP - Plug & Tighten

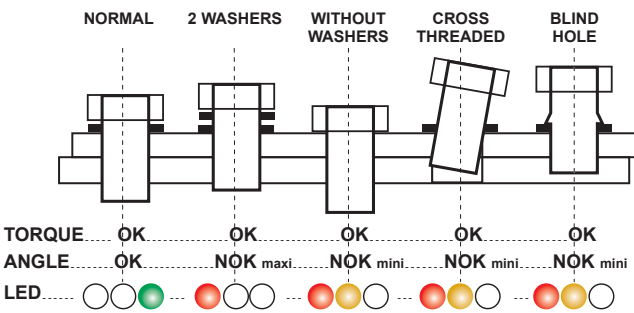
The Assembly Revolution - Ultimate Precision, Control &

Unbeatable Assembly Quality

- Integrated digital transducer gives accurate fastening (up to 3% at 6 Sigma)
- Tested to ISO 5393
- Easy to read LED display



Torque or Torque & Angle assembly strategy



Simple operation - plug in and use in seconds

- Plugs into standard 230V/110V
- Auto program with self-learning mode
- Tamper proof torque programming, either directly on tool or from pocket PC

AUTO Set up in seconds

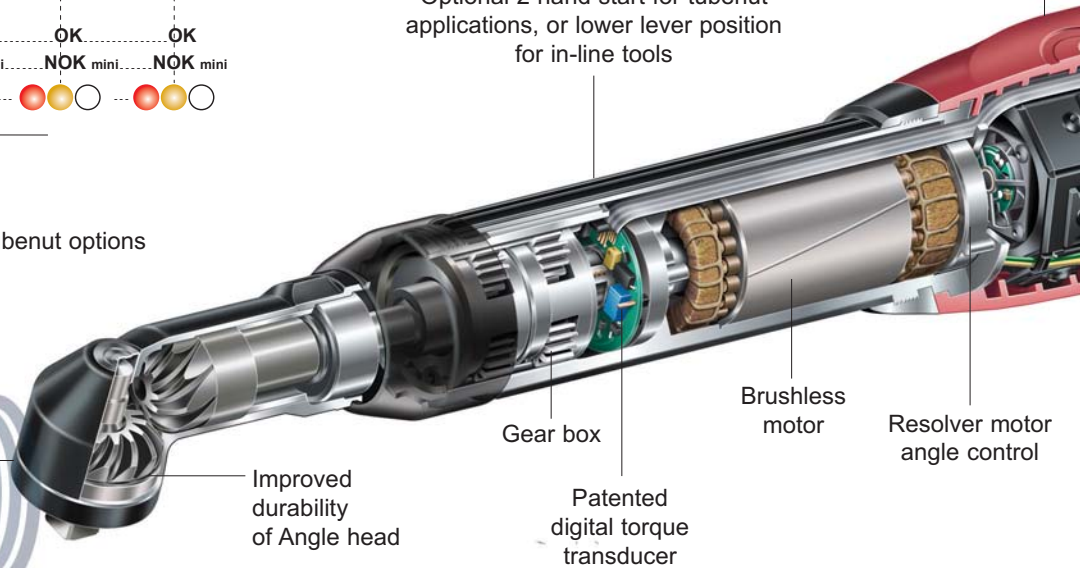


Shock resistant, composite handle

Optional 2 hand start for tubenut applications, or lower lever position for in-line tools



Crowfoot or Tubenut options



Improved durability of Angle head

Advanced communication & control

- Interface via bluetooth pocket PC (Windows Mobile 2003)
- Program, view results, calibrate ..

Advanced Control & Integration

Flexible assembly - adapt to all applications

- Modular, changeable outputs
- Torque capacity up to 50 ft lbs (65Nm)
- 2nd lever start optional for tubenut applications

A Solution for all Applications

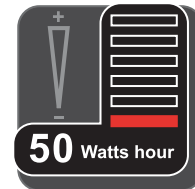


Ergonomics

Change your expectation of assembly tools

- Faster assembly cycle
- Significantly longer tool life
- Maintenance free brushless motor
- Gearbox durability tested to well over 2 million cycles
- Energy consumption is significantly less than traditional tools

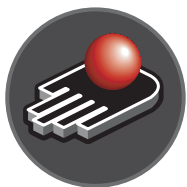
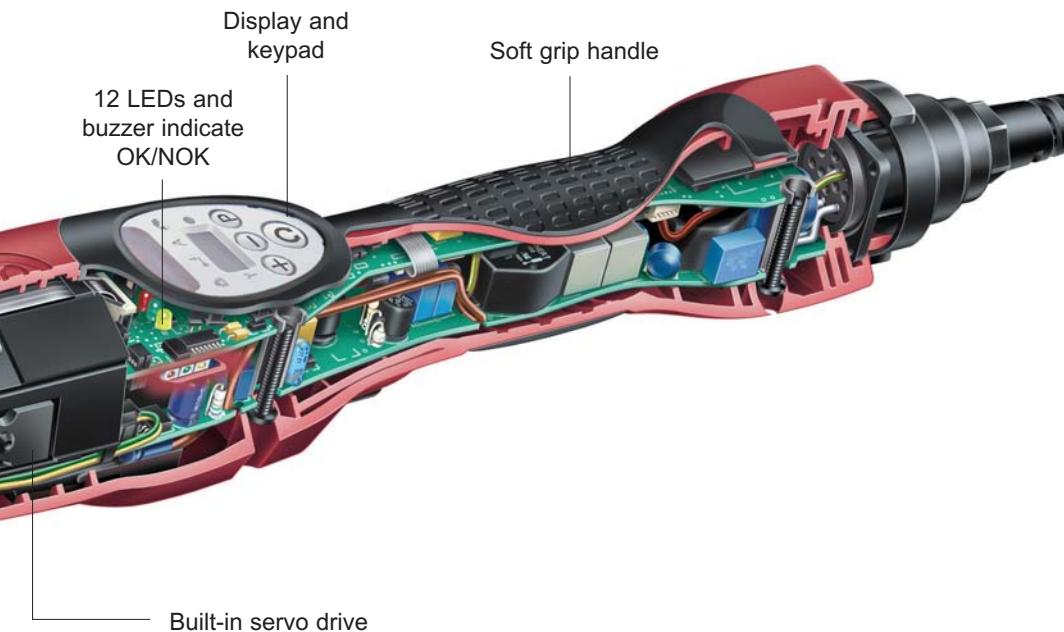
Tool has lowest life cycle cost available



Ground Fault Circuit Interrupter (GFCI)




Highly durable, safety-tested cable and connector



Ergonomic

- Low weight, low noise, low torque reaction
- Excellent weight distribution, easy to read display
- Safety compliant under INTERNATIONAL STANDARD IEC 60745

Proven comfort designed with operator input



WARNING

To reduce risk of injury everyone using, installing, repairing, maintaining, changing accessories on, driving or working near this tool must read and understand the safety instructions before performing any such task.

Sound level <70dB(A)* and vibration value <2.5 m/s²*, in accordance with EN60745.

*These declared values were obtained by laboratory testing in compliance with stated standards and are not adequate for risk assessments. Values measured in individual work places may be higher than the declared values. The actual exposure values and risk of harm experienced by an individual are unique and depend upon the way the user works, the workpiece and the work station design, as well as upon the exposure time and the physical condition of the user.

We CP cannot be held liable for the consequences of using declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have no control.

Tools are CE marked to comply with European Machinery - low voltage and EMC Directives.

Specifications subject to change without prior notice.

Further occupational health and safety information can be obtained from the following web sites:

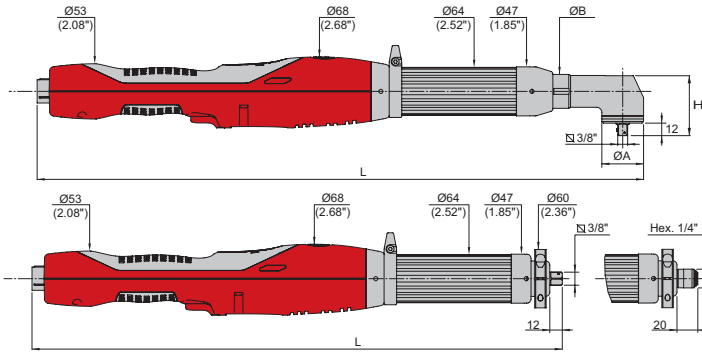
<http://www.osha.gov> (USA)

<http://europe.osha.eu.int>(Europe).



CVIP - Right angle & in-line tools

3 to 65 Nm (2.2 to 47.9 ft.lb.)



MODEL	ØA		ØB		H	
	mm	in.	mm	in.	mm	in.
EAP1.5-15-	28	1.10	27	1.06	45.5	1.79
EAP1.5-20-	28	1.10	27	1.06	45.5	1.79
EAP1.5-26-	28	1.10	27	1.06	45.5	1.79
EAP2-20-	28	1.10	27	1.06	45.5	1.79
EAP2-30-	28	1.10	27	1.06	45.5	1.79
EAP2-40-	35	1.38	27	1.06	51.5	2.03
EAP2-65-	40	1.57	30.5	1.20	57.5	2.26

MODEL	PART NUMBER	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE RANGE		ROTATIONAL SPEED	LENGTH L		WEIGHT		
					in.	Nm	ft.lb.	rpm	mm	in.	kg	lb

230V Models

Torque		Torque + Angle		rpm 230V								
Right angle tools												
EAP1.5-15-T-2	615 165 312 0	EAP1.5-15-TA-2	615 165 323 0	Sq. 3/8	3-15	2.2-11.0	1020	534.5	21.0	1.85	4.1	
EAP1.5-20-T-2	615 165 313 0	EAP1.5-20-TA-2	615 165 324 0	Sq. 3/8	5-20	3.7-14.7	800	534.5	21.0	1.85	4.1	
EAP1.5-26-T-2	615 165 314 0	EAP1.5-26-TA-2	615 165 325 0	Sq. 3/8	7-26	5.2-19.2	510	534.5	21.0	1.85	4.1	
EAP2-20-T-2	615 165 315 0	EAP2-20-TA-2	615 165 326 0	Sq. 3/8	5-20	3.7-14.7	1320	559.5	22.0	2.0	4.4	
EAP2-30-T-2	615 165 316 0	EAP2-30-TA-2	615 165 327 0	Sq. 3/8	7-30	5.2-22.1	1020	559.5	22.0	2.0	4.4	
EAP2-40-T-2	615 165 317 0	EAP2-40-TA-2	615 165 328 0	Sq. 3/8	10-40	7.4-29.5	800	570.0	22.4	2.1	4.6	
EAP2-65-T-2	615 165 318 0	EAP2-65-TA-2	615 165 329 0	Sq. 3/8	15-65	11-47.9	510	581.5	22.9	2.2	4.8	

In-line tools

EDP1.5-15-T-2	615 165 319 0	EDP1.5-15-TA-2	615 165 330 0	Hex. 1/4F	3-15	2.2-11.0	1010	491.5	19.3	1.7	3.7
EDP2-24-T-2	615 165 320 0	EDP2-24-TA-2	615 165 331 0	Hex. 1/4F	5-24	3.7-17.7	1390	516.5	20.3	1.8	3.9
EDP2-33-T-2	615 165 321 0	EDP2-33-TA-2	615 165 332 0	Sq. 3/8	7-33	5.2-24.3	1010	508.5	20.0	1.85	4.1
EDP2-43-T-2	615 165 322 0	EDP2-43-TA-2	615 165 333 0	Sq. 3/8	8-43	5.9-31.7	780	508.5	20.0	1.85	4.1

110V Models

Torque		Torque + Angle		rpm 110V								
Right angle tools												
EAP1.5-15-T-1	615 165 334 0	EAP1.5-15-TA-1	615 165 345 0	Sq. 3/8	3-15	2.2-11.0	690	534.5	21.0	1.85	4.1	
EAP1.5-20-T-1	615 165 335 0	EAP1.5-20-TA-1	615 165 346 0	Sq. 3/8	5-20	3.7-14.7	540	534.5	21.0	1.85	4.1	
EAP1.5-26-T-1	615 165 336 0	EAP1.5-26-TA-1	615 165 347 0	Sq. 3/8	7-26	5.2-19.2	340	534.5	21.0	1.85	4.1	
EAP2-20-T-1	615 165 337 0	EAP2-20-TA-1	615 165 348 0	Sq. 3/8	5-20	3.7-14.7	890	559.5	22.0	2.0	4.4	
EAP2-30-T-1	615 165 338 0	EAP2-30-TA-1	615 165 349 0	Sq. 3/8	7-30	5.2-22.1	690	559.5	22.0	2.0	4.4	
EAP2-40-T-1	615 165 339 0	EAP2-40-TA-1	615 165 350 0	Sq. 3/8	10-40	7.4-29.5	540	570.0	22.4	2.1	4.6	
EAP2-65-T-1	615 165 340 0	EAP2-65-TA-1	615 165 351 0	Sq. 3/8	15-65	11-47.9	340	581.5	22.9	2.2	4.8	

In-line tools

EDP1.5-15-T-1	615 165 341 0	EDP1.5-15-TA-1	615 165 352 0	Hex. 1/4F	3-15	2.2-11.0	680	491.5	19.3	1.7	3.7
EDP2-24-T-1	615 165 342 0	EDP2-24-TA-1	615 165 353 0	Hex. 1/4F	5-24	3.7-17.7	940	516.5	20.3	1.8	3.9
EDP2-33-T-1	615 165 343 0	EDP2-33-TA-1	615 165 354 0	Sq. 3/8	7-33	5.2-24.3	680	508.5	20.0	1.85	4.1
EDP2-43-T-1	615 165 344 0	EDP2-43-TA-1	615 165 355 0	Sq. 3/8	8-43	5.9-31.7	525	508.5	20.0	1.85	4.1



ACCESSORIES

ITEM	PART NO.
1 Mounting plate with telescopic spindle	615 396 547 0
2 2nd lever start option	615 396 553 0
3 Reaction handle	615 396 554 0
4 Horizontal Bail, included with the tool	615 396 562 0
5 Horizontal Bail, swivel	615 396 529 0
6 Vertical Bail	467003
7 Reaction bar ring, included with the tool	615 396 551 5
• Plastic protective cover EAP. -15/20/30	615 573 064 0
• Plastic protective cover EAP 2-40	615 573 065 0
• Plastic protective cover EAP 2-65	615 573 066 0
• Power cable EU 230V 5m (16.4ft.)	615 917 470 0
• Power cable EU 230V 5m (16.4ft.) with GFI	615 917 476 0
• Power cable UK 230V 5m (16.4ft.)	615 917 472 0
• Power cable UK 230V 5m (16.4ft.) with GFI	615 917 478 0
• Power cable US 230V 5m (16.4ft.) with GFI	615 917 477 0
• Power cable US 110V 5m (16.4ft.) with GFI	615 917 479 0
• CVIPocket software (Windows mobile 2003)	615 927 558 0





CP's full range of electric assembly solutions

SLE
Low Torque
Solutions



CVIC
Current Controlled
Solutions



CS2100/CS4100
Torque & Angle
Solutions



CVI
Torque & Angle
Solutions



**Customised
Solutions**



- The low voltage SLE screwdrivers offer an economic solution for low torque applications.
- The CVIC range is one of the easiest to program controllers on the market.
- CS2100, CS4100 and CVI series controllers offer transducerized tools where high performance is required.
- Our Application Centers provide customer specific solutions.
- Torque & angle measurement solutions available on all controller based products.





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