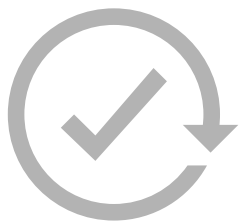




Industrial Tools



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More Than Productivity



100

Desoutter 

YEARS OF INNOVATION



In Desoutter's earliest days one hundred years ago, who would have imagined that it would become today's global leader in its sector? How many industrial companies can claim, like Desoutter, to have weathered the years with such success, never forgetting the values that have formed the foundation of their prosperity?

This one century of existence would not have been possible without that drive for innovation that characterises our company, without that perpetual determination to evolve along with the changing world around us, always acting with vision to anticipate the needs of tomorrow.

This longevity is also the fruit of dedicated devotion on the part of all those employees who have shared their ideas, their skills and their technological expertise in order to turn that thrust for innovation into reality and to give it meaning.

But this history is also - and primarily - that of our customers and partners who remain the sole reason for our existence. It is for them and alongside them that we strive for perfection day after day, and our intention has been to pay tribute to them in the name of this shared success by compiling some of their testimonials in this book.

Together we have written the beginning of a great story. And together we will continue to move forward, to look to the future with the same ambition: always to offer "more than productivity".



Philippe Artzet,
President

Foundation
of Desoutter



First Duralumin
artificial limbs
are created

1914



1918
Foundation of
Georges Renault



GEORGES RENAULT

Spare parts for portable
pneumatic tools are
manufactured



1930

First flight of the Desoutter Mk. I



1960
Patents approved for
torque controlled
angle wrench



1977
Scan Rotor is founded
SCANROTOR





Order book P.N. 615 993 957 0

Find more on what customers tell about their Desoutter's customer experience in the **Desoutter's anniversary book!**



1990

First models of
Georges Renault
transducerized tools:
SE hand held tools
with the Case 40
controllers

Early 1990
First models of
Tech-motive
transducerized tools:
the 37-Series
with the CS40
controller
tech-motive tool



1998
CVIS
controller
series

2005
Creation
of Seti-Tec Line



Advanced Drilling Units



2012

E-Pulse low torque
reaction Electric
tool



2015 • 2017

EPB Wireless
transducerized
battery tool



Desoutter Virtual Showroom



Desoutter Industrial Tools introduces the Virtual Showroom !

Discover Desoutter Industrial Tools exhaustive Assembly and Drilling Solutions while navigating in the Virtual Showroom.

Easily find all our products, applications and service support or contact the nearest Desoutter representative for a demonstration or a quote.

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Assembly Tools - Selection guide

	TOOL TYPE	PAGE
BATTERY TOOLS		14-24
ELECTRIC NUTRUNNERS		25
ELECTRIC TRANSDUCERIZED DC TOOLS - PC & Networks/Software - CVI3		26-51
ELECTRIC TRANSDUCERIZED DC TOOLS - PC & Networks/Software - CVIR II / MULTICVIL II / CVIL II		52-67
ELECTRIC CURRENT CONTROLLED DC TOOLS - CVIC / POSCO		68-85
ELECTRIC FASTENING TOOLS		86-93
PNEUMATIC FASTENING TOOLS		94-123
TORQUE MEASUREMENT SYSTEMS - Software		124-141
CUSTOMIZED SOLUTIONS: Screwfeeders - Multiplus - Arms		142-152

E-LIT Series - Optimize your performance









Clutch Battery Tool range



desoutter.info/E-LIT

FOCUS



3 MODELS TO CHOOSE FROM	 BRUSHLESS MOTOR	 LI-ION BATTERY	 E-LIT CONFIG SOFTWARE	 SPEED MODULE	 E-LIT BOX
E-LIT PLUS ELECTRONIC BRUSHLESS (ELB) PISTOL AND ANGLE 	✓	✓	✓		
E-LIT PREMIUM ELECTRONIC BRUSHLESS SPEED CONTROL (ELS) PISTOL AND ANGLE 	✓	✓	✓	✓	
E-LIT WIRELESS COMMUNICATION WITH E-LIT BOX (ELC) PISTOL AND ANGLE 	✓	✓	✓	✓	✓

Tool management device

Speed setting / For ELS and ELC models

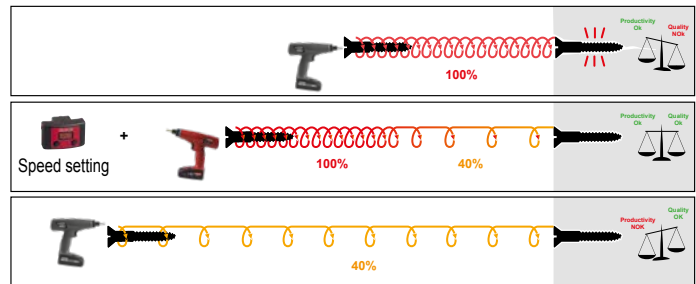
Two speed setting easily controlled by external module



Everything needed to optimize your assembly process

Guarantee quality and keep high productivity

- Decrease final speed to ensure tightening quality
- Avoid quality defects in your final product
- Decrease starting speed to facilitate bolt engagement



E-LIT CONFIG software

Manage your E-LIT tools

- Save your E-LIT tool setting
- Use your own tool ID
- Upload saved setting on new tools
- Go further on the setting possibility



E-LIT Config

File View Language

Search

ASDER65827
AUDI3456654566
AZERT78944
ETAR78954
FGHIK45612
RYBDR58923
SDRTY45628

Tool identification: AUDI3456654566

Tool comment: maintenance on gear box 03 2015

Tool type: ELS7-880-A

Pset

Acceleration ramp up: ☒ On ☐ Off

Rundown speed: 880 rpm Nb turns: 6

Use second speed: ☒ On ☐ Off

Final speed: 450 rpm

Rehit prevention: ☒ On ☐ Off

Loosening at the end of the tightening: ☒ On ☐ Off Angle: 90°

Tool configuration

Configuration using trigger: ☐ On ☒ Off

Buzzer: ☒ On ☐ Off

Working mode: Tightening + run reverse

Reverse mode: Alternate

Run reverse speed: 880 rpm

Tool information

Serial number: 12c02556

Tool counter: 31

Date of last modification: 16/06/15 - 15:50:23

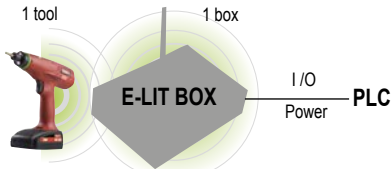
Communication port: Read Write

Version: 1.0.2.0

E-LIT BOX

For Poka-Yoke application

FOCUS



Keep the pairing if box Off



Wireless communication
IEEE 802.15.4 standard Fast
reconnection time & Low
consumption



Pairing

- Easy Pairing with dedicated button
- Keep the pairing if box Off



Poka-Yoke application

- OK/NOK Management
- Batch count: up to 4 different batch settings
- Batch count strategy
- Cross thread prevention



Connection

- Integrated power supply switch (24 V power switch)
- M12 male connector 24 V power supply and 4 digital INPUTS
- M12 female connector 8 Digital OUTPUTS
- USB port for an easy and fast connection to setting software

- 1
- 2
- 3
- 4



EASY PAIRING PROCESS

1. Press the "Easy Pairing" Button
2. Power on the E-LIT BOX



3. Press both, tool trigger and reverse, while inserting battery pack

4. Pairing completed



NO DATA LOSS

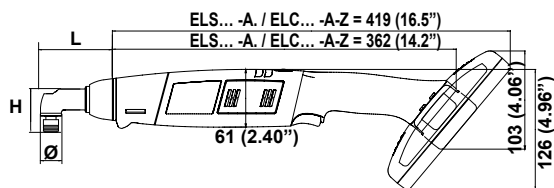
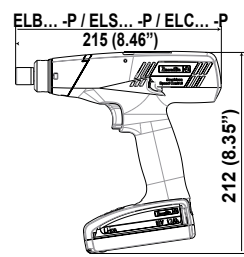


Integrated buffer memory
up to 25 results

When wireless communication
is stopped, reports are stored
within ELC tool

**You can decide to lock (or not) tool when
memory buffer is full in order to prevent
loosing reports**

Accessories



MODEL	H		L		Ø	
	mm	in	mm	in	mm	in
ELS7 / ELC7	45.5	1.79	75.7	2.98	22	0.87
ELS15 / ELC15	41.5	1.63	75.7	2.98	22	0.87
ELS30 / ELC30	45.5	1.79	134.2	5.28	28	1.10
ELS45 / ELC45	51.1	2.01	144.6	5.69	35	1.38
ELS60 / ELC60	57.1	2.25	158.5	6.24	40	1.57

OPTIONAL ACCESSORIES

ITEM		PISTOL	ANGLE HEAD 18V	ANGLE HEAD 36V	ELC TOOLS	PART NO.
Battery type						
1	Li-ion Battery 18V 2.1 Ah - 0.35 kg (0.77lb)	✓	✓		✓	615 812 099 0
2	Li-ion Battery 18V 4.2 Ah - 0.60 kg (1.32lb)	✓	✓		✓	615 812 100 0
3	Li-ion Battery 36V 2.1 Ah - 0.60 kg (1.32lb)			✓	✓	615 811 924 0
Chargers						
4	For Li-ion Battery 18 / 36V - 100 / 240V	✓	✓	✓	✓	615 811 654 5
Protective covers - Tools						
5	For Pistol - Clear	✓			✓	615 396 870 0
5	For Pistol - Black	✓			✓	615 211 030 0
5	For Pistol - Blue	✓			✓	615 211 031 0
5	For Pistol - Red	✓			✓	615 211 032 0
5	For Pistol - Grey	✓			✓	615 211 033 0
5	For Body angle head - Black		✓	✓	✓	615 211 004 0
5	For Body angle head - Blue		✓	✓	✓	615 211 025 0
5	For Body angle head - Red		✓	✓	✓	615 211 026 0
5	For Body angle head - Grey		✓	✓	✓	615 211 027 0
6	For Angle < 15Nm - Black		✓		✓	615 397 672 0
6	For Angle 30Nm - Black			✓	✓	615 573 214 0
6	For Angle 45Nm - Black			✓	✓	615 573 215 0
6	For Angle 60Nm - Black			✓	✓	615 211 005 0
Protective covers - Battery						
7	For Battery 18V 2.1Ah - Clear	✓	✓		✓	615 396 871 0
7	For Battery 18V 2.1Ah - Black	✓	✓		✓	615 211 041 0
7	For Battery 18V 2.1Ah - Blue	✓	✓		✓	615 211 042 0
7	For Battery 18V 2.1Ah - Red	✓	✓		✓	615 211 043 0
7	For Battery 18V 2.1Ah - Grey	✓	✓		✓	615 211 044 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Clear	✓	✓	✓	✓	615 396 872 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Black	✓	✓	✓	✓	615 211 046 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Blue	✓	✓	✓	✓	615 211 047 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Red	✓	✓	✓	✓	615 211 048 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Grey	✓	✓	✓	✓	615 211 049 0
Miscellaneous						
	• Kit Overmould Presto (x10 pcs)					615 211 057 5
8	Speed Setting Module (ELS/ELC version)	✓	✓	✓	✓	615 396 829 0
9	Pistol tool holster	✓			✓	615 804 914 0
10	Side handle - Pistol	✓			✓	615 396 757 0
11	Suspension bail - Pistol	✓			✓	443 703
12	Kit colour rings - Pistol (7 colors: white, yellow, orange, green, blue, purple, grey)	✓			✓	615 396 742 5
12	Kit colour rings - Angle tools (8 colors: white, yellow, orange, green, blue, purple, grey, black)		✓	✓	✓	615 970 114 5
13	Kit Nose Crowfoot	✓			✓	615 810 695 0
14	E-LIT BOX-V2				✓	615 936 310 0
15	Power supply E-LIT BOX				✓	615 927 053 0
16	eDOCK	✓	✓	✓	✓	615 811 976 0
	• E-LIT CONFIG software	✓	✓	✓	✓	-
Desoutter Tool Holsters						
17	DTH-42	✓			✓	107892
18	DTH-90	✓			✓	615 812 119 0
19	DTH TWIN (single) without rail		✓	✓	✓	615 811 411 0
20	DTH TWIN rail kit with 2 Twin holders		✓	✓	✓	615 811 412 5
21	DTH TWIN stand kit with 2 Twin holders		✓	✓	✓	615 811 413 5
	• License Elit PC Level 1				✓	615 927 685 0



E-LIT series

0.4 to 60 Nm (3.5 to 530 in. lb) - 50 to 1550 rpm



A



B



C



D

PIC REF	MODEL	PART NUMBER	TORQUE RANGE		ROTATIONAL SPEED	OUTPUT DRIVE	WEIGHT WITHOUT BATTERY		VOLTAGE
			Nm	in. lb			kg	lb	

E-LIT PLUS - ELECTRONIC BRUSHLESS MOTOR

A	ELB 2.5-1250-P	615 165 415 0	0.4-2.5	3.5-22	1250	Hex. 1/4 F	0.8	1.76	18
A	ELB 6-900-P	615 165 416 0	0.8-6	7.1-53	900	Hex. 1/4 F	0.8	1.76	18
A	ELB 6-670-P	615 165 440 0	0.8-6	7.1-53	670	Hex. 1/4 F	0.8	1.76	18
A	ELB 8-670-P	615 165 417 0	1.5-8	13.3-70	670	Hex. 1/4 F	0.8	1.76	18
A	ELB 12-600-P	615 165 418 0	3-12	26.5-106	570	Hex. 1/4 F	0.8	1.76	18

E-LIT PREMIUM - ELECTRONIC BRUSHLESS SPEED SETTING

A	ELS 2.5-1550-P	615 165 419 0	0.4-2.5	3.5-22	500-1550	Hex. 1/4 F	0.8	1.76	18
A	ELS 6-1000-P	615 165 420 0	0.8-6	7.1-53	300-1000	Hex. 1/4 F	0.8	1.76	18
A	ELS 8-400-P	615 165 605 0	1.5-8	13.3-70	120-400	Hex. 1/4 F	0.8	1.76	18
A	ELS 8-800-P	615 165 421 0	1.5-8	13.3-70	300-765	Hex. 1/4 F	0.8	1.76	18
A	ELS 8-400-P4S	615 165 825 0	1.5-8	13.3-70	120-400	Sq. 1/4	0.8	1.76	18
A	ELS 12-600-P	615 165 422 0	3-12	26.5-106	250-570	Hex. 1/4 F	0.8	1.76	18
A	ELS 12-400-P4S	615 165 826 0	3-12	26.5-106	120-400	Sq. 1/4	0.8	1.76	18
B	ELS 7-360-A4S	615 165 725 0	1.5-7	13.3-62	120-360	Sq. 1/4	1.2	2.6	18
B	ELS 7-880-A	615 165 628 0	1.5-7	13.3-62	400-880	Hex. 1/4 F	1.2	2.6	18
B	ELS 15-480-A	615 165 629 0	5-15	44.2-133	200-480	Sq. 3/8	1.2	2.6	18
B	ELS 15-480-A4S	615 165 839 0	5-15	44.2-133	200-480	Sq. 1/4	1.2	2.6	18
C	ELS 30-300-A	615 165 630 0	10-30	88.5-265	100-300	Sq. 3/8	1.5	3.3	36
C	ELS 45-180-A	615 165 631 0	20-45	177-398	50-180	Sq. 3/8	1.5	3.3	36
D	ELS 60-160-A	615 165 632 0	25-60	220-530	50-160	Sq. 1/2	1.97	4.33	36

E-LIT WIRELESS - COMMUNICATION WITH E-LIT BOX

A	ELC 6-1000-P-Z	615 165 701 0	3-6	26.5-53	300-1000	Hex. 1/4 F	0.8	1.76	18
A	ELC 8-400-P-Z	615 165 702 0	3-8	26.5-70	120-400	Hex. 1/4 F	0.8	1.76	18
A	ELC 8-800-P-Z	615 165 703 0	3-8	26.5-70	300-765	Hex. 1/4 F	0.8	1.76	18
A	ELC 12-600-P-Z	615 165 704 0	3-12	26.5-106	250-570	Hex. 1/4 F	0.8	1.76	18
B	ELC 7-360-A4S-Z	615 165 726 0	3-7	26.5-62	150-360	Sq. 1/4	1.2	2.6	18
B	ELC 7-880-A-Z	615 165 707 0	3-7	26.5-62	400-880	Hex. 1/4 F	1.2	2.6	18
B	ELC 15-480-A-Z	615 165 708 0	5-15	44.2-133	200-480	Sq. 3/8	1.2	2.6	18
C	ELC 30-300-A-Z	615 165 709 0	10-30	88.5-265	100-300	Sq. 3/8	1.5	3.3	36
C	ELC 45-180-A-Z	615 165 710 0	20-45	177-398	50-180	Sq. 3/8	1.5	3.3	36
D	ELC 60-160-A-Z	615 165 711 0	25-60	220-530	50-160	Sq. 1/2	1.97	4.33	36

Battery not included in standard offering

B-FLEX: Performance and flexibility

FOCUS



KEY POINTS

BEST ERGONOMICS	HIGH TECHNOLOGY	QUALITY CONTROL
Ergostop technology to avoid RSI (Repetitive Strain Injury)	Smart embedded HMI on tool	Direct feedback for the operator
Perfectly balanced grip design	High resolution transducer	Visible tightening results on tool HMI
Rebalancing with the two different battery positions	New motor dedicated to battery tools : high speed, high torque, low temperature	Torque control and angle monitoring
Operator comfort		

B-FLEX: Ergonomy and control



desoutter.info/B-FLEX



ERROR PROOF QUALITY CONTROL

- Direct feedback for the operator
- Torque and Angle tightening result
- Torque control tightening strategy



No PC needed

100 last results on "CVI Monitor"



USB cable included

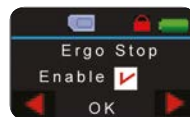
eDOCK

Data to collect

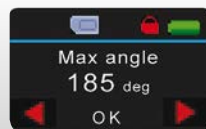
Password protection

Battery level

Ergostop



Program setting

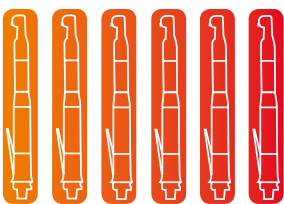


Results



B-FLEX ADVANCED (Standard features +)

6 Pset

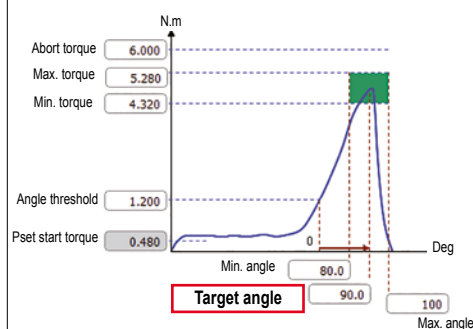


6 TOOLS in 1 B-FLEX



Angle Strategy

Error proof your standard tightenings



Full data collection

(up to 10 000 on CVI Analyzer)



USB cable included

eDOCK

B-FLEX Series - Pistol grip

1.5 to 17 Nm (1.1 to 12.5 ft. lb) - 10 to 1800 rpm

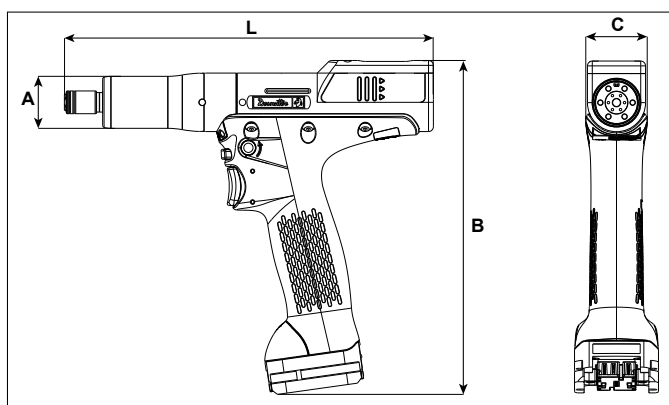


A



B

MODEL	L		A		B		C	
	mm	in.	mm	in.	mm	in.	mm	in.
EPB 8-1800-4Q	227	8.94	32	1.26	206	8.11	38	1.5
EPB 8-1800-10S	227	8.94	32	1.26	206	8.11	38	1.5
EPB 14-900-4Q	227	8.94	32	1.26	206	8.11	38	1.5
EPB 14-900-10S	227	8.94	32	1.26	206	8.11	38	1.5
EPB 17-700-4Q	227	8.94	32	1.26	206	8.11	38	1.5
EPB 17-700-10S	227	8.94	32	1.26	206	8.11	38	1.5



ACCESSORIES
see page 24

PIC REF	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE RANGE						ROTATIONAL SPEED (RPM)		WEIGHT WITHOUT BATTERY		VOLTAGE
				MIN.	RECOM- MENDED	MAX.	MIN.	RECOM- MENDED	MAX.	18V	36V	kg	lb	
			in.	Nm	Nm	Nm	ft. lb	ft. lb	ft. lb					V

B-FLEX - TRANSDUCERIZED BATTERY TOOL

A	EPB 8-1800-4Q	615 165 899 0	Hex. 1/4	1.5	7	8	1.1	5.2	5.9	900	1800	1	2.2	18/36
B	EPB 8-1800-10S	615 165 903 0	Sq. 3/8	1.5	7	8	1.1	5.2	5.9	900	1800	1	2.2	18/36
A	EPB 14-900-4Q	615 165 978 0	Hex. 1/4	4	12	14	2.4	8.8	10.3	540	940	1	2.2	18/36
B	EPB 14-900-10S	615 165 977 0	Sq. 3/8	4	12	14	2.4	8.8	10.3	540	940	1	2.2	18/36
A	EPB 17-700-4Q	615 165 905 0	Hex. 1/4	7	15	17	5.2	11	12.5	400	700	1	2.2	18/36
B	EPB 17-700-10S	615 165 901 0	Sq. 3/8	7	15	17	5.2	11	12.5	400	700	1	2.2	18/36

B-FLEX - ADVANCED

A	EPBA 8-1800-4Q	615 165 972 0	Hex. 1/4	1.5	7	8	1.1	5.2	5.9	900	1800	1	2.2	18/36
B	EPBA 8-1800-10S	615 165 971 0	Sq. 3/8	1.5	7	8	1.1	5.2	5.9	900	1800	1	2.2	18/36
A	EPBA 14-900-4Q	615 165 974 0	Hex. 1/4	4	12	14	2.4	8.8	10.3	540	940	1	2.2	18/36
B	EPBA 14-900-10S	615 165 973 0	Sq. 3/8	4	12	14	2.4	8.8	10.3	540	940	1	2.2	18/36
A	EPBA 17-700-4Q	615 165 976 0	Hex. 1/4	7	15	17	5.2	11	12.5	400	700	1	2.2	18/36
B	EPBA 17-700-10S	615 165 975 0	Sq. 3/8	7	15	17	5.2	11	12.5	400	700	1	2.2	18/36

• Battery not included in standard offering

• Battery 18V, 2.1Ah - Weight: 0.35kg (0.77lb) / 18V, 4.2Ah & 36V, 2.1Ah - Weight: 0.60kg (1.32lb)



B-FLEX Series - Angle head

5 to 95 Nm (3.7 to 70 ft. lb) - 10 to 900 rpm



A



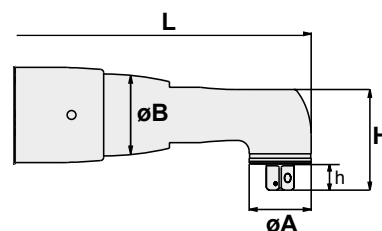
B



C

MODEL	L		H		H		ØA		ØB	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EAB 15-900	470	18.5	10.2	0.40	33.8	1.33	22	0.87	37.0	1.46
EAB 26-560	496	19.5	12.0	0.47	45.7	1.80	28	1.10	37.0	1.46
EAB 32-410	496	19.5	12.0	0.47	45.7	1.80	28	1.10	37.0	1.46
EAB 45-330	506	19.9	12.0	0.47	51.0	2.00	35	1.38	37.0	1.46
EAB 50-450	546	21.5	12.0	0.47	51.0	2.00	35	1.38	37.0	1.46
EAB 60-370	559	22.0	11.9	0.468	57.0	2.20	40	1.57	41.0	1.61
EAB 75-300	582	22.9	17.5	0.69	60.4	2.38	45	1.77	48.5	1.91
EAB 95-240	582	22.9	17.5	0.69	60.4	2.38	45	1.77	48.5	1.91

L = Tool length without battery



ACCESSOIRES
see page 24

PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE						ROTATIONAL SPEED	WEIGHT WITHOUT BATTERY		VOLTAGE
			in.	Nm	Nm	Nm	ft. lb	ft. lb	ft. lb	rpm	kg	lb	V

B-FLEX - TRANSDUCERIZED BATTERY TOOL

•	EAB 15-900	615 165 731 0	1/4	5	13	15	3.7	9.6	11	900	1.55	3.42	36
A	EAB 26-560	615 165 732 0	3/8	5	24	26	3.7	18	19	560	1.65	3.64	36
A	EAB 32-410	615 165 733 0	3/8	7	30	32	5.2	22	24	410	1.65	3.64	36
B	EAB 45-330	615 165 734 0	3/8	9	40	45	6.6	30	33	330	1.76	3.88	36
B	EAB 50-450	615 165 735 0	3/8	9	45	50	6.6	33	37	450	2.04	4.50	36
B	EAB 60-370	615 165 736 0	1/2	10	55	60	7.4	41	44	370	2.35	5.18	36
C	EAB 75-300	615 165 737 0	1/2	12	70	75	8.8	52	55	300	2.94	6.48	36
C	EAB 95-240	615 165 738 0	1/2	19	90	95	14	66	70	240	2.98	6.57	36

B-FLEX - ADVANCED

•	EABA15-900	615 165 961 0	1/4	5	13	15	3.7	9.6	11	900	1.55	3.42	36
A	EABA26-560	615 165 962 0	3/8	5	24	26	3.7	18	19	560	1.65	3.64	36
A	EABA32-410	615 165 963 0	3/8	7	30	32	5.2	22	24	410	1.65	3.64	36
B	EABA45-330	615 165 964 0	3/8	9	40	45	6.6	30	33	330	1.76	3.88	36
B	EABA50-450	615 165 965 0	3/8	9	45	50	6.6	33	37	450	2.04	4.50	36
B	EABA60-370	615 165 966 0	1/2	10	55	60	7.4	41	44	370	2.35	5.18	36
C	EABA75-300	615 165 967 0	1/2	12	70	75	8.8	52	55	300	2.94	6.48	36
C	EABA95-240	615 165 968 0	1/2	19	90	95	14	66	70	240	2.98	6.57	36

• Battery not included in standard offering

• Battery 36V, 2.1Ah - Weight: 0.60 kg

Accessories

EPB / EAB

ACCESSORIES INCLUDED

- Pistol protective cover Red

EPB/EPBA

615 211 022 0

OPTIONAL ACCESSORIES

ITEM		EAB/EABA	EPB/EPBA
------	--	----------	----------

Battery type

1	Li-ion Battery 18V 2.1 Ah - 0.35 kg (0.77lb)		615 812 099 0
2	Li-ion Battery 18V 4.2 Ah - 0.60 kg (1.32lb)		615 812 100 0
3	Li-ion Battery 36V 2.1 Ah - 0.60 kg (1.32lb)	615 811 924 0	615 811 924 0

Charger

4	For Li-ion Battery 18 / 36V - 100 / 240V	615 811 654 5	615 811 654 5
---	--	---------------	---------------

Protective covers - Tools

5	For Angle head EAB 15	615 211 003 0	
5	For Angle head EAB 26/32	615 573 207 0	
5	For Angle head EAB 45/50	615 573 208 0	
5	For Angle head EAB 60	615 573 209 0	
5	For Angle head EAB 75/95	615 573 210 0	
6	Pistol protective cover Black		615 211 019 0

Protective covers - Battery

7	For Battery 18V 2.1Ah - Clear		615 396 871 0
7	For Battery 18V 2.1Ah - Black		615 211 041 0
7	For Battery 18V 2.1Ah - Blue		615 211 042 0
7	For Battery 18V 2.1Ah - Red		615 211 043 0
7	For Battery 18V 2.1Ah - Grey		615 211 044 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Clear	615 396 872 0	615 396 872 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Black	615 211 046 0	615 211 046 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Blue	615 211 047 0	615 211 047 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Red	615 211 048 0	615 211 048 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Grey	615 211 049 0	615 211 049 0

Miscellaneous

8	Nose crowfoot adapter for EPB		615 565 518 0
9	eDOCK	615 811 976 0	615 811 976 0
10	Side handle		615 397 016 0

Desoutter Tool holster

11	DTH TWIN (single) without rail	615 811 411 0	
12	DTH TWIN rail kit with 2 Twin holders	615 811 412 5	
13	DTH TWIN stand kit with 2 Twin holders	615 811 413 5	
14	DTH90		615 812 119 0



Advanced tightening systems

ELECTRIC TRANSDUCER CORDLESS

EABcom
5 - 95 Nm



EPBcom
1.5 - 17 Nm



ELECTRIC TRANSDUCER CORD



CVI3
Function



CVI3
Vision



TwinCVI3

EAD/EID cable



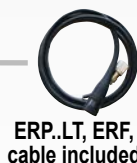
EFD cable



Adaptor CVI II for ERx tools
and EME tools (except ELRT)



CVI II



ERP..LT, ERF,
cable included

Module ERS to connect
CVI3 controllers



CVIR II H4

Cable included



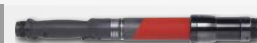
CVIR II

CVIXS

EAD
3 - 660 Nm



EID
3 - 270 Nm



EFDE / EFDS
1-1900 Nm



EFDA
12 - 580 Nm



ELRT
10-45 Nm



ERAL
2 - 480 Nm



ERDL
0.5 - 250 Nm



ERP
0.35 - 42 Nm



EME
1 - 1900 Nm



EMEL
10 - 800 Nm



EME OF
4 - 350 Nm



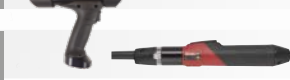
ERF
0.35-30 Nm



ERP HT
75-1700 Nm



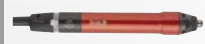
ERS (M20)
0.6 - 22 Nm



ERSA
0.6 - 27 Nm



ERSF
1.5 - 12 Nm



ERXS
6 - 80 Ncm



ELECTRIC CURRENT CONTROL

CVIC II-L2
CVIC II-H2



Cable included

ECP..LT, cable
included
EC cable



MC cable



EC cable



MC cable



CVIC II-L4
CVIC II-H4



ECS (M20)
0.12 - 16 Nm



ECSA
0.55 - 11.5 Nm



ECSF
0.12 - 16 Nm



ECP..L
1 - 20 Nm



ECA15
5 - 15 Nm



ECD5
2 - 6 Nm



MC35-10
2.5 - 8 Nm



ECA
7 - 200 Nm



ECD
7 - 120 Nm



ECP
ECP HT
7 - 4000 Nm



MC
5 - 135 Nm





The new standard of Value in Efficient Tightening...

In an era of FLEXIBLE manufacturing and the race to ZERO-fault assembly, Desoutter is proud to introduce the new standard of Value in Efficient Tightening for safety-critical applications: CVI3 assembly system

This new system offers unequalled EFFICIENCY for all plants thanks to the best combination of advanced process control, easy integration, user-friendly interface & unmatched flexibility

The CVI3 system integrates UNIQUE added value INNOVATIONS:
Reduce rework cost: complete station process control including tightening

& logical operations without need for a dedicated PLC > **Assembly Process**
Decrease installation/re-balance cost: Fast & easy line re-balancing with multiple Battery transducerized tools connected to 1 CVI3 controller > **EAB cordless tools**

Improve quality with intuitive software: User-friendly & visual interface to view tightening data & detect quality issues > **CVI ANALYZER**

Optimize flexibility: 2 fixtured spindles synchronized or asynchronous in standard > **TWINCVI3**



ADVANCED PROCESS CONTROL



EASY INTEGRATION



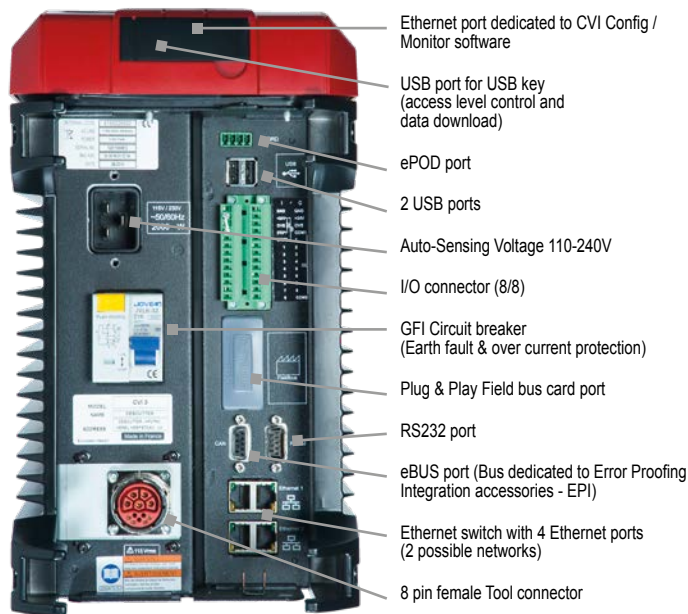
UNMATCHED FLEXIBILITY



USER-FRIENDLY INTERFACE

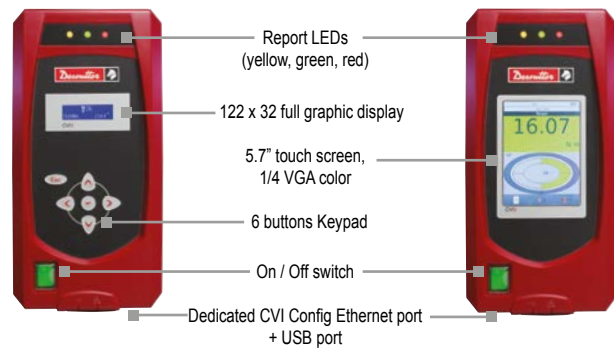


Technical features



CVI3 Function

CVI3 Vision



FEATURES	CVI3 FUNCTION	CVI3 VISION	TWINCVI3 SYNCHRO/ASYNCHRO
----------	---------------	-------------	---------------------------

CONTROLLERS

Weight - kg (lbs)	9.3 (20.5)	9.3 (20.5)	15 (33.1)
Volume (dm3)	19.5	19.5	29.6
Color touchscreen		✓ (5.7")	✓ (5.7")

STORAGE

Pset results (torque, angle, date, time, report)	10000	10000	10000/20000
Pset curves (OK/NOK)	20	20	20/40
Assembly Process results	1000	1000	1000/2000
Event log storage (number of events)	500	500	500

BASIC FUNCTIONS

Nbr of Pssets	250	250	250
Nbr of steps per Pset	15	15	15
Barcode reading (standard and 2D)	✓	✓	✓
Quick Pset	✓	✓	✓
Tubenut release	✓	✓	✓

ADVANCED FUNCTIONS

Access Level Control/Management with unlimited profiles	✓	✓	✓
ID input to select Assembly Process (up to 4 different identifiers)	✓	✓	✓
Number of Assembly Process	250	250	250
Advanced Soft PLC (in option with CVILOGIX)	✓	✓	✓
1 Network/Fieldbus Access point per group of up to 14 controllers		✓	✓
Full synchronized control for a group of up to 14 controllers (static/dynamic)		✓	✓

TIGHTENING STRATEGIES

Control : torque, angle, torque OR angle, torque AND angle, yield point, torque rate, seating detection	✓	✓	✓
Monitoring : yield point, torque rate, 2nd torque, 2nd angle, 2nd part angle, current, slip off, stick slip	✓	✓	✓

CONNECTIVITY

Configurable I/O	8/8	8/8	8/8
USB ports (2 + 1 front)	✓	✓	✓
Embedded Ethernet switch (4 ports + 1 front – 2 networks)	✓	✓	✓
Dedicated Bus for integrated positioning management	✓	✓	✓

OPTIONAL FIELDBUS

Plug & Play Fieldbus card port (EthernetIP, ProfiNet A/B, Modbus TCP, DeviceNet, Profibus, CC-Link)	✓	✓	✓
Fieldbus dynamic memory mapping	✓	✓	✓





desoutter.info/CVI3



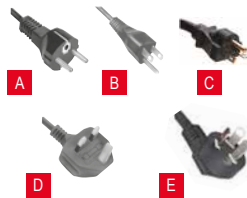
PIC REF	MODEL	PART NUMBER	CONSUMPTION (CURRENT)		MAIN SUPPLY	DIMENSIONS						WEIGHT	
			115V	220V		WIDTH		HEIGHT		DEPTH		kg	lb.
A	CVI3 Vision	615 932 691 0	4A	2A	Single-phase	175	6.9	361	14.2	310	12.2	9.3	20.5
A	CVI3 Vision eSTOP	615 932 694 0	4A	2A	Single-phase	175	6.9	361	14.2	310	12.2	9.3	20.5
B	TWINCVI3	615 932 697 0	8A	4A	Single-phase	265	10.4	361	14.2	310	12.2	15	33.1
B	TWINCVI3 eSTOP	615 932 698 0	8A	4A	Single-phase	265	10.4	361	14.2	310	12.2	15	33.1
C	CVI3 Function	615 932 690 0	4A	2A	Single-phase	175	6.9	361	14.2	310	12.2	9.3	20.5
C	CVI3 Function eSTOP	615 932 693 0	4A	2A	Single-phase	175	6.9	361	14.2	310	12.2	9.3	20.5

CVIMONITOR included with controller: License free remote software for realtime monitoring of results, curves, I/O status, Fieldbus diagnostic, calibration & maintenance indicators

POWER CORD

to be ordered with the controller

PLUG	DESCRIPTION	PART NO.
A	European	615 917 069 0
B	US NEMA 5-15	615 917 060 0
C	US NEMA 5-20	615 917 063 0
D	UK	615 917 070 0
E	Chinese	615 917 061 0



OPTIONAL ACCESSORIES

ITEM	PART NO.
Fieldbus modules	
1 Profibus module	615 927 595 0
2 ProfiNet module (1 port)	615 927 596 0
3 ProfiNet module (2 ports)	615 927 597 0
3 ProfiNet IRT module (2 ports)	615 927 070 0
4 DeviceNet module	615 927 599 0
4 CC-Link module	615 927 598 0
5 EtherNet IP module	615 927 594 0
6 Modbus TCP module	615 927 615 0

ePOD

7 ePOD1	615 936 075 0
7 ePOD2	615 936 076 0
7 ePOD3	615 936 077 0
7 ePOD2C	615 936 311 0
7 ePOD3C	615 936 318 0
7 ePOD4C	615 936 312 0

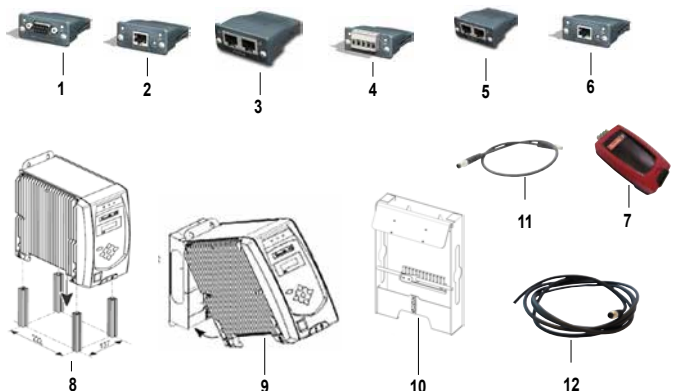
Others Accessories

8 Table mounting	615 397 399 5
9 Wall mounting CVI3 Function/Vision	615 397 631 5
10 Wall mounting TWINCVI3	615 811 897 0
11 Cable with 2 M8 male plugs - 0.5m (1.64ft)	615 917 626 0
Cable with 2 M8 male plugs - 1m (3.28ft)	615 917 633 0
Cable with 2 M8 male plugs - 2m (6.56ft)	615 917 634 0
12 Cable with 1 M8 male plugs - 5m (16.40ft)	615 917 635 0

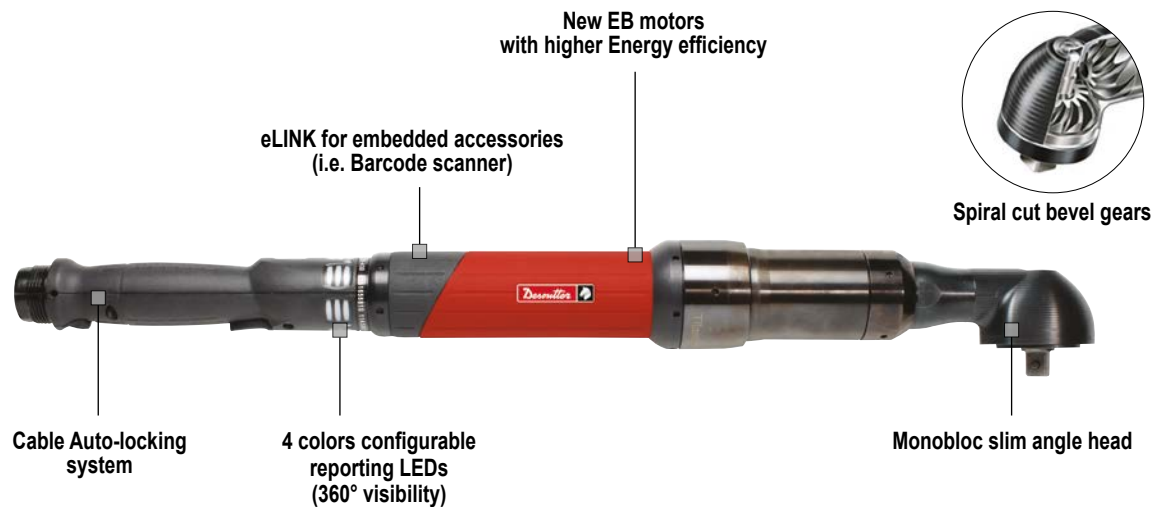
OPTIONAL ACCESSORIES

Software

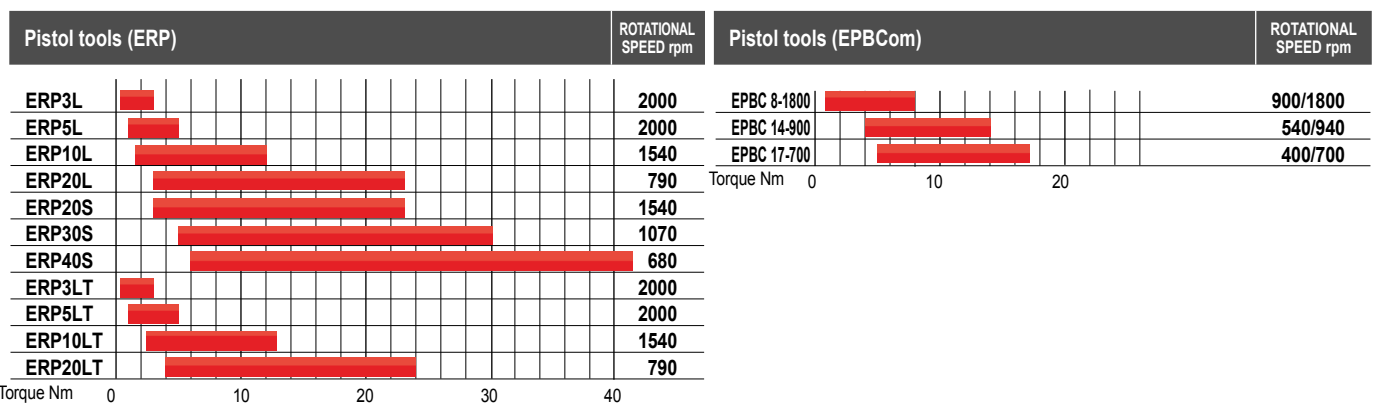
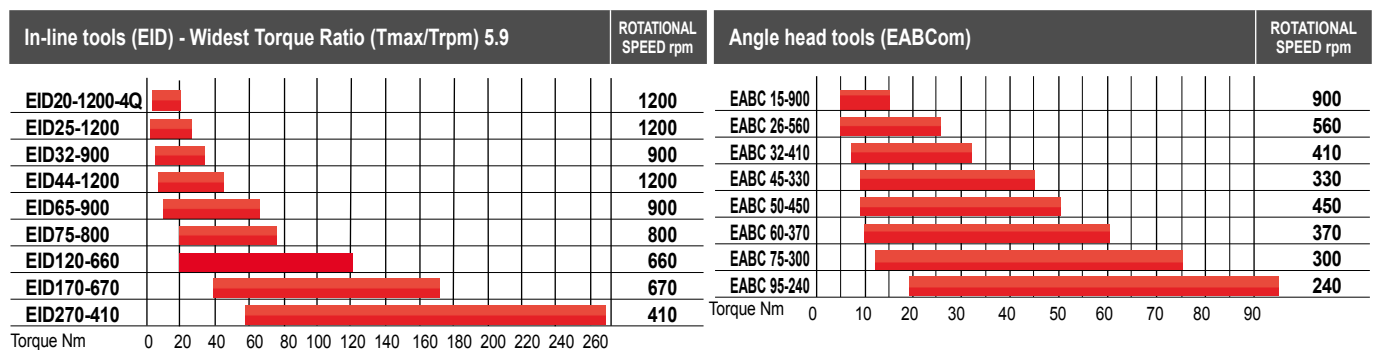
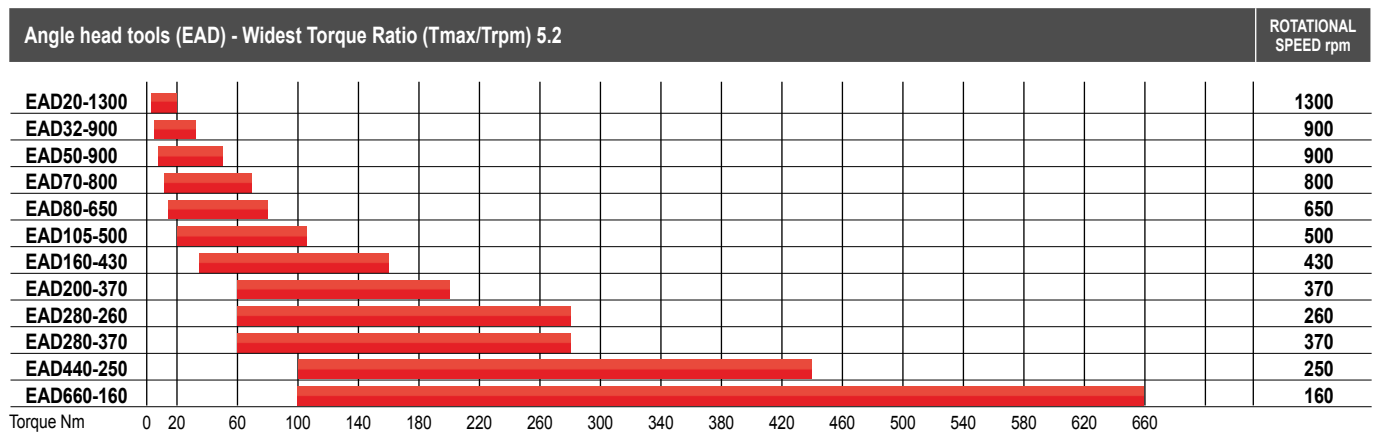
• CVI ANALYZER - 1 user	615 927 696 0
• CVI ANALYZER - 5 users	615 927 697 0
• CVI ANALYZER - 25 users	615 927 698 0
• CVINET WEB - 1 cont.	615 927 736 0
• CVINET WEB - 10 cont.	615 927 737 0
• CVINET WEB - 25 cont.	615 927 738 0
• CVINET WEB - 50 cont.	615 927 739 0
• CVINET WEB - 100 cont.	615 927 747 0
• CVINET WEB - 200 cont.	615 927 748 0
• CVINET WEB - Open Protocol Adapter	615 927 758 0
• CVINET WEB - Notifier	615 927 076 0
• Upgrade from CVI NET to CVINET WEB 1 cont.	615 927 740 0
• Upgrade from CVI NET to CVINET WEB 10 cont.	615 927 741 0
• Upgrade from CVI NET to CVINET WEB 25 cont.	615 927 742 0
• Upgrade from CVI NET to CVINET WEB 50 cont.	615 927 743 0
• Upgrade from CVI NET to CVINET WEB 200 cont.	615 927 744 0
• CVIKEY (access level management on USB key)	615 927 676 0



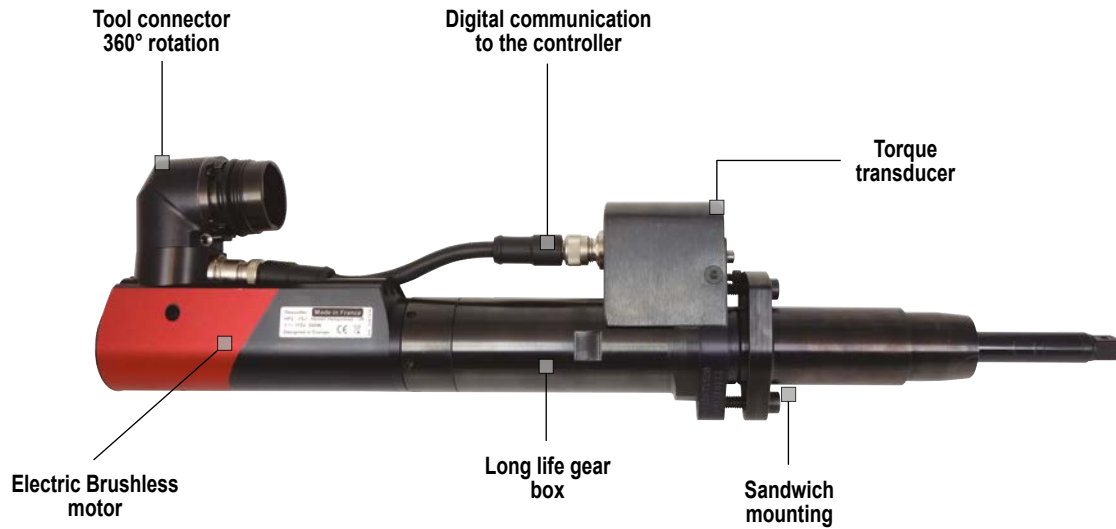
Torque Range - Portable electric nutrunners



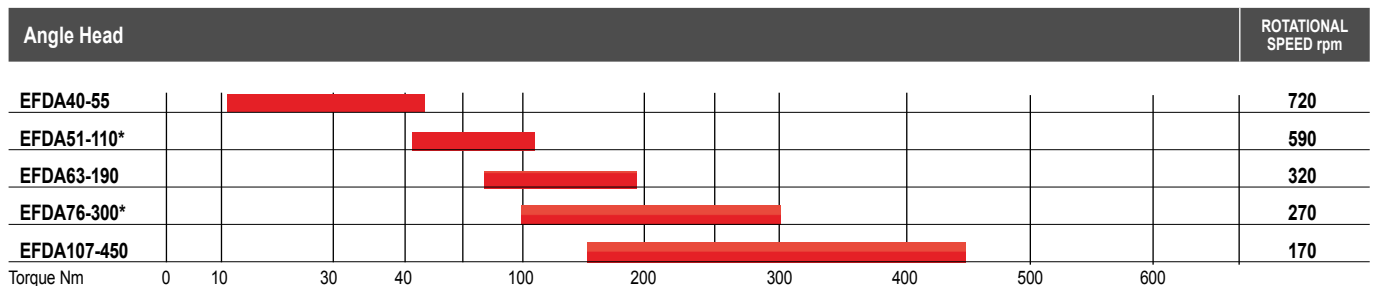
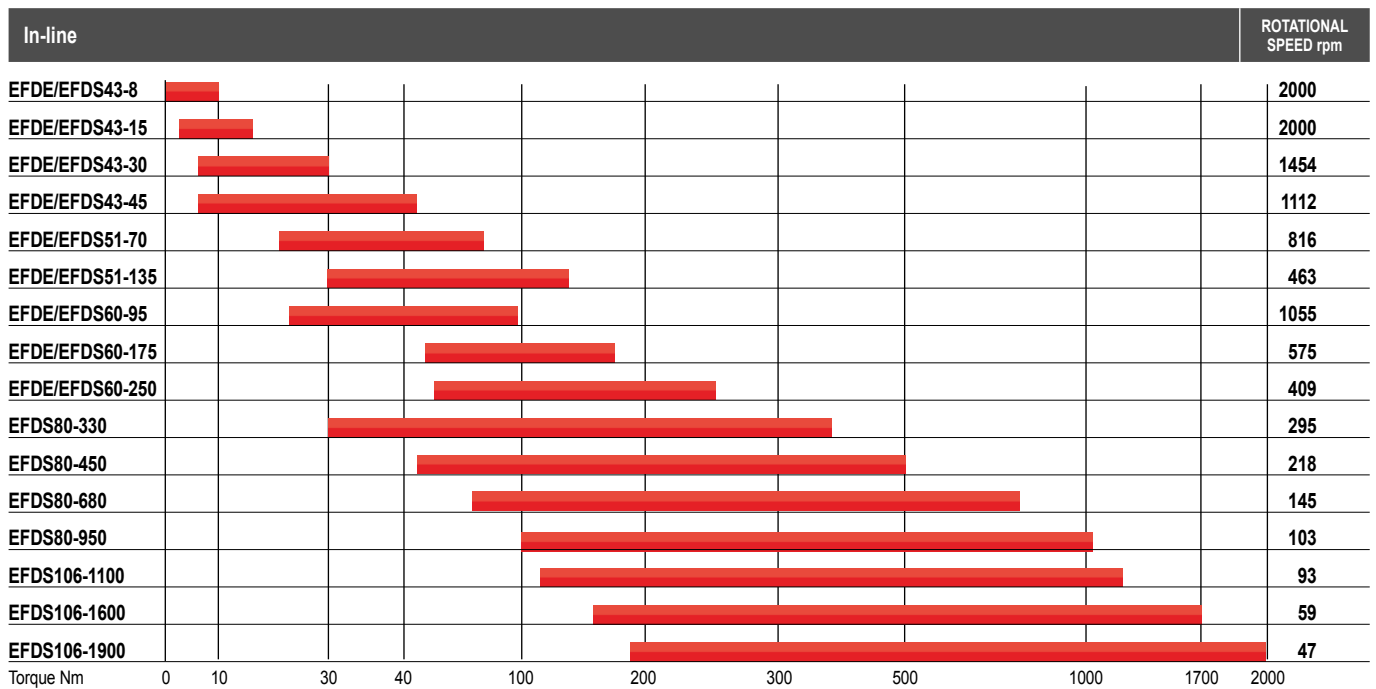
Performance of Portable electric nutrunners - EAD, EID, EABC, EPBC and ERP



Torque Range - Fixtured electric spindles



Performance of Fixtured electric spindles - Series EFDE, EFDS and EFDA



*On request, contact your Desoutter representative

Pistol grip electric nutrunners - CVI3

0.35 to 42 Nm (0.26 to 31 ft.lb) - 680 to 2000 rpm



A



B



C



D



ACCESSORIES
see pages 46-47

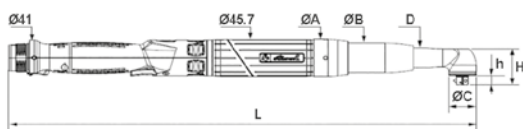
CVI II Adapter needed

PIC REF	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE						ROTATIONAL SPEED	LENGTH		WEIGHT	
				MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.		mm	in.	kg	lb.
			in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm				
A	ERP3L	615 165 193 0	Hex. 1/4 F	0.35	3	3.3	0.26	2.2	2.4	2000	196	7.7	1.0	2.2
A	ERP5L	615 165 194 0	Hex. 1/4 F	0.5	5	5.5	0.37	3.7	4	2000	196	7.7	1.0	2.2
A	ERP10L	615 165 195 0	Hex. 1/4 F	1.5	10	12	1.1	7.4	8.8	1540	196	7.7	1.1	2.4
A	ERP20L	615 165 196 0	Hex. 1/4 F	3	20	23	2.2	14.7	17	790	196	7.7	1.1	2.4
A	ERP20S	615 165 197 0	Hex. 1/4 F	3	20	23	2.2	14.7	17	1540	221	8.7	1.2	2.6
B	ERP30S	615 165 198 0	Sq. 3/8	5	30	30	3.7	22.1	22	1070	217	8.5	1.2	2.6
C	ERP40S	615 165 263 0	Sq. 3/8	6	40	42	4.4	29.5	31	680	274	11	1.7	3.7
D	ERP3LT	615 165 227 0	Hex. 1/4 F	0.35	3	3.3	0.26	2.2	2.4	2000	196	7.7	1.0	2.2
D	ERP5LT	615 165 228 0	Hex. 1/4 F	0.5	5	5.5	0.37	3.7	4	2000	196	7.7	1.0	2.2
D	ERP10LT	615 165 229 0	Hex. 1/4 F	1.5	10	12	1.1	7.4	8.8	1540	196	7.7	1.1	2.4
D	ERP20LT	615 165 230 0	Hex. 1/4 F	3	20	23	2.2	14.7	17	790	196	7.7	1.1	2.4



Angle head electric nutrunners - CVI3

3 to 105 Nm (2.2 to 77.4 ft.lb) - 500 to 1300 rpm



MODEL	h		H		ØA		ØB		ØC		ØD	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EAD20-1300	12.0	0.47	45.5	1.79	46	1.81	37	1.46	28	1.10	25	0.98
EAD32-900	12.0	0.47	45.5	1.79	46	1.81	37	1.46	28	1.10	25	0.98
EAD50-900	12.0	0.47	51.1	2.01	46	1.81	37	1.46	35	1.38	28	1.10
EAD70-800	12.0	0.47	56.7	2.23	58	2.28	43	1.69	40	1.57	32	1.26
EAD70-800 - 1/2"	17.0	0.67	62.0	2.43	58	2.28	43	1.69	40	1.57	32	1.26
EAD80-650	17.5	0.69	60.4	2.38	58	2.28	48	1.89	45	1.77	40	1.57
EAD105-500	17.5	0.69	60.4	2.38	58	2.28	48	1.89	45	1.77	40	1.57

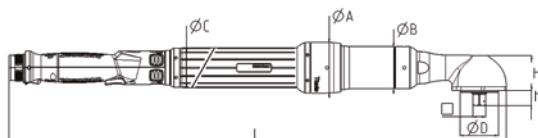


ACCESSORIES
see pages 46-47

MODEL	PART NUMBER	SQUARE DRIVE	TORQUE						ROTATIONAL SPEED	LENGTH		WEIGHT	
			MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.		mm	in.	kg	lb.
		in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm				
EAD20-1300	615 165 606 0	3/8	3	18	20	2.2	13.3	14.8	1300	481	19.2	1.4	3.08
EAD32-900	615 165 607 0	3/8	5	30	32	3.7	22.1	23.6	900	481	19.2	1.4	3.08
EAD50-900	615 165 609 0	3/8	8	45	50	5.9	33.2	40.6	900	531	20.9	1.8	3.96
EAD70-800	615 165 611 0	3/8	12	65	70	8.9	47.9	51.6	800	544	21.4	2.0	4.40
EAD70-800	615 165 882 0	1/2	12	65	70	8.9	47.9	51.6	800	544	21.4	2.0	4.40
EAD80-650	615 165 612 0	1/2	15	75	80	11.1	55.3	59	650	567	22.3	2.4	5.72
EAD105-500	615 165 613 0	1/2	20	90	105	14.8	66.4	77.4	500	567	22.3	2.4	5.72

Angle head electric nutrunners - CVI3

35 to 660 Nm (26 to 487 ft.lb) - 160 to 430 rpm



MODEL	h		H		ØA		ØB		ØC		ØD	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EAD160-430	17.1	0.67	65	2.56	66	2.6	55	2.17	52	2.05	50	1.16
EAD200-370	23	0.91	85	3.35	66	2.6	55	2.17	52	2.05	62	2.44
EAD280-260	23	0.91	85	3.35	66	2.6	55	2.17	52	2.05	62	2.44
EAD280-370	23	0.91	85	3.35	76	2.99	55	2.17	66	2.60	62	2.44
EAD440-250	24	0.94	91	3.58	76	2.99	67	2.64	66	2.60	75	2.95
EAD660-160	33.1	1.3	110	4.33	76	2.99	67	2.64	66	2.60	106	4.17

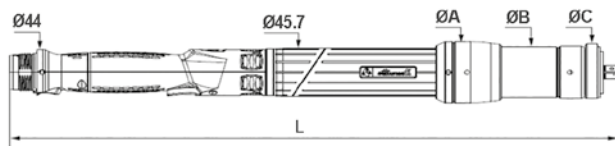


ACCESSORIES
see pages 46-47

MODEL	PART NUMBER	SQUARE DRIVE	TORQUE						ROTATIONAL SPEED	LENGTH		WEIGHT	
			MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.		mm	in.	kg	lb.
		in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm				
EAD160-430	615 165 681 0	1/2	35	150	160	26	111	118	430	650	25.6	4.3	9.5
EAD200-370	615 165 682 0	3/4	60	170	200	44	125	148	370	673	26.5	5.1	11.2
EAD280-260	615 165 683 0	3/4	60	250	280	44	184	207	260	673	26.5	5.1	11.2
EAD280-370	615 165 684 0	3/4	60	250	280	44	184	207	370	681	26.8	6.1	13.5
EAD440-250	615 165 685 0	3/4	100	400	440	74	295	325	250	735	28.9	8.4	18.5
EAD660-160	615 165 686 0	1	100	600	660	74	443	487	160	774	30.4	11.0	24.3

In-line electric nutrunners - CVI3

3 to 75 Nm (2.2 to 57.5 ft.lb) - 800 to 1200 rpm



MODEL	ØA		ØB		ØC	
	mm	in.	mm	in.	mm	in.
EID20-1200-4Q	62	2.44	37	1.46	60	2.36
EID25-1200	62	2.44	37	1.46	60	2.36
EID32-900	62	2.44	37	1.46	60	2.36
EID44-1200	62	2.44	48	1.89	54	2.13
EID65-900	58	2.28	48	1.89	54	2.13
EID75-800	58	2.28	48	1.89	54	2.13



ACCESSORIES
see pages 46-47

MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE						ROTATIONAL SPEED	LENGTH		WEIGHT	
			MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.		mm	in.	kg	lb.
		in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm				
EID20-1200-4Q*	615 165 992 0	Hex. 1/4 F	3	18	21	2.2	13.3	15.5	1200	430	16.9	1.20	2.64
EID25-1200*	615 165 614 0	Sq. 3/8	3	20	25	2.2	14.8	18.4	1200	430	16.9	1.20	2.64
EID32-900*	615 165 615 0	Sq. 3/8	5	30	32	3.7	22.1	25.1	900	430	16.9	1.20	2.64
EID44-1200*	615 165 616 0	Sq. 3/8	7	40	44	5.2	29.5	33.2	1200	489	19.3	1.95	4.29
EID65-900	615 165 617 0	Sq. 1/2	10	60	65	7.4	44.3	47.9	900	489	19.3	1.95	4.29
EID75-800	615 165 618 0	Sq. 1/2	20	70	75	14.8	51.6	57.5	800	489	19.3	1.95	4.29

(*): Tools mounted with second lever start in standard

In-line electric nutrunners - CVI3

20 to 270 Nm (15 to 199 ft.lb) - 410 to 670 rpm



MODEL	ØA		ØB		ØC		ØD	
	mm	in.	mm	in.	mm	in.	mm	in.
EID120-660	66	2.60	55	2.17	52	2.05	42.0	1.65
EID170-670	72	2.83	55	2.17	66	2.60	42.0	1.65
EID270-410	76	2.99	67	2.64	66	2.60	53.5	2.11



ACCESSORIES
see pages 46-47

MODEL	PART NUMBER	SQUARE DRIVE	TORQUE						ROTATIONAL SPEED	LENGTH		WEIGHT	
			MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.		mm	in.	kg	lb.
		in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm				
EID120-660	615 165 677 0	1/2	20	110	120	15	81	89	660	583	22.9	3.3	7.3
EID170-670	615 165 678 0	1/2	40	150	170	30	111	125	670	591	23.3	4.6	10.1
EID270-410	615 165 679 0	3/4	60	250	270	44	184	199	410	625	24.6	6.1	13.5

Crowfoot and tube nut tools



Offset Closed



Offset Open



Double start



In line Closed



In line Open



Double start



Flush Socket tools



Hold and Drive tools

Contact your Desoutter representative for assistance in specifying the correct head for your application. We can supply standard products or, if the application requires, we can also provide customized tools.

Wireless transducerized battery tool

Multi Battery Tools

Virtual controllers management by Desoutter

Optimized footprint - free from cable - Full Traceability

Access point



WITH 1 CVI3 VISION

ADD UP TO 3 VIRTUAL CONTROLLERS
GET UP TO 4 BATTERY TOOLS CONNECTED

EPOD 2C

up to 2 battery tools



Configuration with cable tool: 1 cable tool with up to 2 battery tools

EPOD 3C

up to 3 battery tools



Configuration with cable tool: 1 cable tool with up to 2 battery tools

EPOD 4C

up to 4 battery tools



Configuration with cable tool: 1 cable tool with up to 3 battery tools



Accessories can be dedicated to
only one virtual controller or to the
whole virtual controllers

Tool overview



Pistol Version: additional features

- Torque 1,5-17 Nm
- Compatible with both 18v and 36V batteries
- White LED activated by movement



ADVANCED ERGONOMICS

- Low weight tools
- Effortless trigger
- 45° oriented battery (angle version)
- Slim angle head for tight areas access



INCREASED PRODUCTIVITY

- High speed tool and increased autonomy with 36V battery & 2.1 Ah capacity
- Embedded display for pset selection
- Strong & efficient wireless communication, tested in industrial environment



EASY INTEGRATION

- Quick wireless installation - Directly on an existing CVI3 controller
- Data collection through wireless communication
- Improve error-proofing control with advanced tightening strategies
- Easy attachment for crowfoot & tubenuts



OPTIMIZED MAINTENANCE

- Long life batteries, no memory effect on Li-ion battery
- Dust & oil proof trigger
- Common spare parts with all CVI3 range



EPBcom Series

1.5 to 17 Nm (1.1 to 12.5 ft.lb) - 10 to 1800 rpm

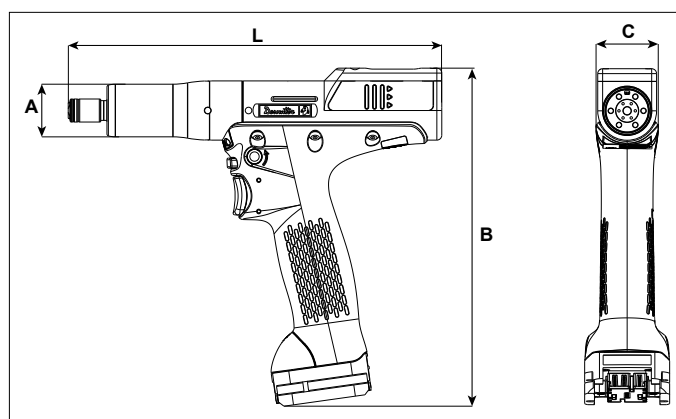


A



B

MODEL	L		A		B		C	
	mm	in.	mm	in.	mm	in.	mm	in.
EPBC 8-1800-4Q	227	8.94	32	1.26	206	8.11	38	1.5
EPBC 8-1800-10S	227	8.94	32	1.26	206	8.11	38	1.5
EPBC14-900-4Q	227	8.94	32	1.26	206	8.11	38	1.5
EPBC14-900-10S	227	8.94	32	1.26	206	8.11	38	1.5
EPBC 17-700-4Q	227	8.94	32	1.26	206	8.11	38	1.5
EPBC 17-700-10S	227	8.94	32	1.26	206	8.11	38	1.5



ACCESSORIES
see page 39

PIC REF	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE RANGE						ROTATIONAL SPEED (RPM)		WEIGHT WITHOUT BATTERY		VOLTAGE
				MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.	18V	36V	kg	lb	
			in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb					V

EPBcom - TRANSDUCERIZED BATTERY TOOL

A	EPBC 8-1800-4Q	615 165 900 0	Hex.1/4"F	1.5	7	8	1.1	5.2	5.9	900	1800	1.0	2.2	18/36
B	EPBC 8-1800-10S	615 165 904 0	Sq.3/8	1.5	7	8	1.1	5.2	5.9	900	1800	1.0	2.2	18/36
A	EPBC14-900-4Q	615 165 980 0	Hex.1/4"F	4	12	14	2.9	8.8	10.3	540	940	1.0	2.2	18/36
B	EPBC14-900-10S	615 165 979 0	Sq. 3/8	4	12	14	2.9	8.8	10.3	540	940	1.0	2.2	18/36
A	EPBC 17-700-4Q	615 165 906 0	Hex.1/4"F	7	15	17	5.2	11	12.5	400	700	1.0	2.2	18/36
B	EPBC 17-700-10S	615 165 902 0	Sq.3/8	7	15	17	5.2	11	12.5	400	700	1.0	2.2	18/36

• Battery not included in standard offering

• Battery 18V, 2.1 Ah: 0.35 kg (0.77lb) / 18V, 4.2 Ah & 36V, 2.1Ah: 0.60 kg (1.32lb)

EABcom Series

5 to 95 Nm (3.7 to 70 ft.lb) - 10 to 900 rpm



A



B



C

NEW

eLINK range

Angle head tool with integrated task light
(with LED color code reporting)

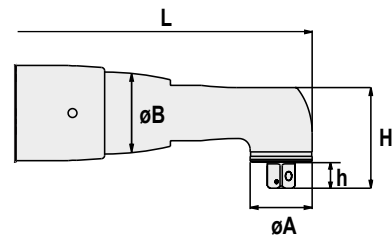


Barcode reader ready



Removable cover

Optional accessory
1D/2D/QR
Bar Code Reader
(615 813 038 0)



MODEL	L		H		H		ØA		ØB	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EABC 15-900	470	18.5	10.2	0.40	33.8	1.33	22	0.87	37.0	1.46
EABC 26-560	496	19.5	12.0	0.47	45.7	1.80	28	1.10	37.0	1.46
EABC 32-410	496	19.5	12.0	0.47	45.7	1.80	28	1.10	37.0	1.46
EABC 45-330	506	19.9	12.0	0.47	51.0	2.00	35	1.38	37.0	1.46
EABC 50-450	546	21.5	12.0	0.47	51.0	2.00	35	1.38	37.0	1.46
EABC 60-370	559	22.0	11.9	0.468	57.0	2.20	40	1.57	41.0	1.61
EABC 75-300	582	22.9	17.5	0.69	60.4	2.38	45	1.77	48.5	1.91
EABC 95-240	582	22.9	17.5	0.69	60.4	2.38	45	1.77	48.5	1.91

L = Tool length without battery

PIC REF	MODEL	PART NUMBER EABCOM	PART NUMBER EABCOM eLINK	SQUARE DRIVE	TORQUE RANGE						ROTATIONAL SPEED	WEIGHT WITHOUT BATTERY		VOLTAGE
					MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.				
				in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm	kg	lb	V

EABcom - TRANSDUCERIZED BATTERY TOOL

•	EABC 15-900	615 165 841 0	615 166 050 0	1/4	5	13	15	3.7	9.6	11	900	1.55	3.42	36
A	EABC 26-560	615 165 842 0	615 166 051 0	3/8	5	24	26	3.7	18	19	560	1.65	3.64	36
A	EABC 32-410	615 165 843 0	615 166 052 0	3/8	7	30	32	5.2	22	24	410	1.65	3.64	36
B	EABC 45-330	615 165 844 0	615 166 053 0	3/8	9	40	45	6.6	30	33	330	1.76	3.88	36
B	EABC 50-450	615 165 845 0	615 166 054 0	3/8	9	45	50	6.6	33	37	450	2.04	4.50	36
B	EABC 60-370	615 165 846 0	615 166 055 0	1/2	10	55	60	7.4	41	44	370	2.35	5.18	36
C	EABC 75-300	615 165 847 0	615 166 056 0	1/2	12	70	75	8.8	52	55	300	2.94	6.48	36
C	EABC 95-240	615 165 848 0	615 166 057 0	1/2	19	90	95	14	66	70	240	2.98	6.57	36

• Battery not included in standard offering

• Battery 36V, 2.1Ah - Weight: 0.60 kg (1.32lb)

EPBcom / EABcom

ACCESSORIES INCLUDED

	EPBcom
• Pistol protective cover - Black	615 211 019 0

OPTIONAL ACCESSORIES

ITEM	EABcom	EPBcom
------	--------	--------

Battery type

1	Li-ion Battery 18V 2.1 Ah - 0.35 kg (0.77lb)	615 812 099 0
2	Li-ion Battery 18V 4.2 Ah - 0.60 kg (1.32lb)	615 812 100 0
3	Li-ion Battery 36V 2.1 Ah - 0.60 kg (1.32lb)	615 811 924 0

Charger

4	For Li-ion Battery 18 / 36V - 100 / 240V	615 811 654 5	615 811 654 5
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Protective covers - Tools

5	For Angle head EAB 15	615 211 003 0
5	For Angle head EAB 26/32	615 573 207 0
5	For Angle head EAB 45/50	615 573 208 0
5	For Angle head EAB 60	615 573 209 0
5	For Angle head EAB 75/95	615 573 210 0
6	For Pistol EPB - Red	615 211 022 0

Protective covers - Battery

7	For Battery 18V 2.1Ah - Clear	615 396 871 0
7	For Battery 18V 2.1Ah - Black	615 211 041 0
7	For Battery 18V 2.1Ah - Blue	615 211 042 0
7	For Battery 18V 2.1Ah - Red	615 211 043 0
7	For Battery 18V 2.1Ah - rey	615 211 044 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Clear	615 396 872 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Black	615 211 046 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Blue	615 211 047 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Red	615 211 048 0
7	For Battery 18V 4.2Ah / 36V 2.1Ah - Grey	615 211 049 0

Miscellaneous

8	Nose crowfoot adapter for EPB.		615 565 518 0
9	eDOCK	615 811 976 0	615 811 976 0
10	Barcode reader for EPBC (1D/2D/QR)		615 812 281 0
•	Barcode reader for EABC-eLINK (1D/2D/QR)	615 813 038 0	
•	Access point Wifi 802.11N-US:	615 811 417 5	615 811 417 5
•	Access point Wifi 802.11N-EU:	615 811 419 5	615 811 419 5
•	Access point Wifi 802.11N-A	615 811 650 5	615 811 650 5
•	Plug UK	615 917 202 0	615 917 202 0
11	Side handle		615 397 016 0

Desoutter Tool holster

12	DTH TWIN (single) without rail	615 811 411 0
13	DTH TWIN rail kit with 2 Twin holders	615 811 412 5
14	DTH TWIN stand kit with 2 Twin holders	615 811 413 5
15	DTH90	615 812 119 0

Virtual controllers management

	PART NUMBER	Maximum number of tools	Maximum number of	
			cable tools	Battery tools
16	without ePOD	-	2	1
16	ePOD2C	615 936 311 0	3	2
16	ePOD3C	615 936 318 0	3	3
16	ePOD4C	615 936 312 0	4	4



Workgroup System

A multi spindle machine up to 14 fixtured spindles

One **TWINCVI3** or One **CVI3** Vision as a primary controller to synchronize and collect results from all controllers
Several **TWINCVI3** or/and **CVI3** Vision or/and **CVI3** Function as Secondary controllers

All connection to the Primary:

- Ethernet network (CVI3 Config, CVI NET Web, Open protocol, HMI, etc...)
- Fieldbus like Profibus, Profinet, Ethernet IP, Devicenet, etc...
- 8 inputs and 8 outputs and much more with I/O expender
- eBus for:
 - Operator panel
 - Stack light
 - Socket tray
 - I/O expender

FIXTURED SPINDLES

EFDE: straight with telescopic output

EFDS: straight without telescopic output

EFDA: angle head

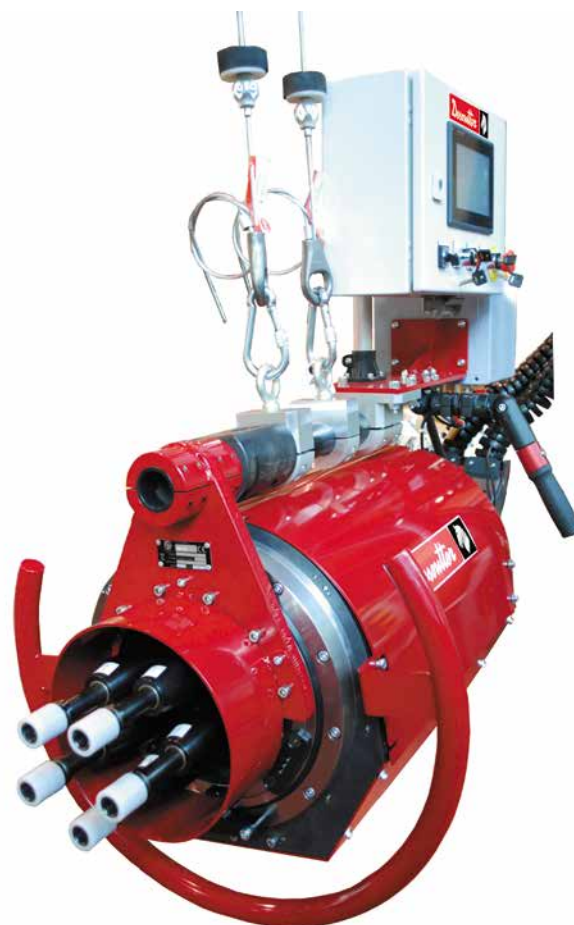
EFDx-TA: spindle with redundant torque & angle

Fully compatible with EME range via the adaptor



BENEFITS

Flexibility thanks to the use of standard controllers with an additional ePod3
Synchronization of the controllers via the integrated Ethernet network



ACCESSORIES

PART NO.

Cables for EFDx tools

Toolcable 2.5m (8.2ft)	615 917 651 0
Toolcable 5m (16ft)	615 917 652 0
Toolcable 10m (32.8ft)	615 917 654 0
Toolcable 15m (49.2ft)	615 917 655 0

Extension cable

Extension cable 8m (26.2ft)	615 917 581 0
Extension cable 16m (52.5ft)	615 917 584 0
Extension cable 32m (105ft)	615 917 587 0
Extension cable 50m (164ft)	615 917 589 0

Miscellaneous

Spare transducer cable length 340mm (13.4")	615 917 426 0
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Workgroup System

CVI3
suite



CVI
CONFIG

CVI
ANALYZER

CVI
NET WEB

CVI
KEY



Advanced tightening strategies

- Optimization of tightening via CVI Config
- Torque and/or Angle control
- Yield point
- Plastic zone
- Redundant T & A transducer
- Advanced Seating Detection



FACTORY ETHERNET NETWORK

INTERNAL ETHERNET NETWORK

ePOD3



eStop

FIELD BUS



Operator panel



Stack Light



I/O expander



Advanced monitoring

- The primary controller displays all tightening results and events and its own tightening curves.
- Each controller displays its own results, curves and events.

Advanced Process control

- Multi tightening programs, 250 Psets with 40 steps, for all spindles or per group of spindles, action/retry in case of NOK.
- Assembly Process to manage multi Pset and simple processes.
- A soft PLC (CVI Logix) is integrated for more complex processes

Fixtured electric spindles - CVI3

1 to 2000 Nm (0.7 to 1475 ft.lb) - 47 to 2000 rpm



A



B

MODEL	LENGTH				D		WEIGHT			
	TOOL-L		MODULE-L1				TOOL		MODULE	
	mm	in.	mm	in.	mm	in.	kg	lb.	kg	lb.
EFDE/EFDS 43-8	276	10.9	165	6.5	10	0.39	2.1	4.6	0.65	1.43
EFDE EFDS 43-15	276	10.9	165	6.5	10	0.39	2.1	4.6	0.65	1.43
EFDE/EFDS 43-30	311	12.2	165	6.5	10	0.39	2.3	5.1	0.65	1.43
EFDE/EFDS 43-45	311	12.2	165	6.5	10	0.39	2.3	5.1	0.65	1.43
EFDE/EFDS 51-70	357	14.0	183	7.2	16	0.63	3.9	8.6	1.45	3.20
EFDE/EFDS 51-135	357	14.0	183	7.2	16	0.63	3.9	8.6	1.45	3.20
EFDE/EFDS 60-95	373	14.7	183	7.2	16	0.63	5.3	11.7	1.45	3.20
EFDE/EFDS 60-175	373	14.7	203	8.0	16	0.63	5.3	11.7	1.87	4.12
EFDE/EFDS 60-250	373	14.7	203	8.0	16	0.63	5.3	11.7	1.87	4.12
EFDS 80-330	435	17	-	-	-	-	10.2	22.5	-	-
EFDS 80-450	435	17	-	-	-	-	10.2	22.5	-	-
EFDS 80-680	435	17	-	-	-	-	10.2	22.5	-	-
EFDS 80-950	435	17	-	-	-	-	10.2	22.5	-	-
EFDS 106-1100	476	19	-	-	-	-	15.3	33.7	-	-
EFDS 106-1600	511	20	-	-	-	-	15.9	35	-	-
EFDS 106-1900	511	20	-	-	-	-	15.9	35	-	-

TELESCOPIC MODULES HT	PART NO.
Telescopic Module 3/4" EFDS80	615 399 267 0
Telescopic Module 1" EFDS80	615 399 268 0
Telescopic Module 1" EFDS106	615 399 296 0
Telescopic Module 1 1/2" EFDS106	615 399 270 0



ACCESSOIRES
see page 46

PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE						ROTATIONAL SPEED	TELESCOPIC STROKE		MIN. CENTRE DISTANCE	
				MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.					
			in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm	mm	in.	mm	in.

EFDE – With removable telescopic module

A	EFDE 43-8	615 165 864 0	3/8	1	8	10	0,7	5,9	7,4	2000	50	1.97	43	1.69
A	EFDE 43-15	615 165 865 0	3/8	3	15	17	2,2	11,1	12,5	2000	50	1.97	43	1.69
A	EFDE 43-30	615 165 866 0	3/8	7	30	32	5,2	22,1	23,6	1454	50	1.97	43	1.69
A	EFDE 43-45	615 165 867 0	3/8	7	45	50	5,2	33,2	36,9	1112	50	1.97	43	1.69
A	EFDE 51-70	615 165 868 0	1/2	20	70	80	14,7	51,6	59,0	816	50	1.97	51	2.01
A	EFDE 51-135	615 165 869 0	1/2	30	135	150	22,1	99,6	111,0	463	50	1.97	51	2.01
A	EFDE 60-95	615 165 870 0	1/2	22	95	105	16,2	70,1	77,4	1055	50	1.97	60	2.36
A	EFDE 60-175	615 165 871 0	3/4	50	175	190	36,9	129,0	140,0	575	50	1.97	60	2.36
A	EFDE 60-250	615 165 872 0	3/4	55	250	280	40,6	184,0	206,0	409	50	1.97	60	2.36

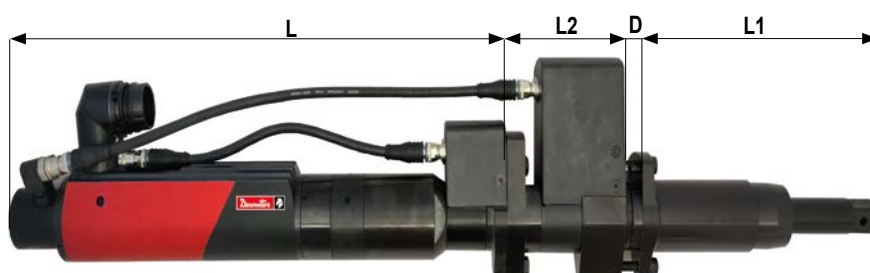
EFDS – With integrated telescopic output

B	EFDS 43-8	615 165 907 0	3/8	1	8	10	0,7	5,9	7,4	2000	50	1.97	43	1.69
B	EFDS 43-15	615 165 908 0	3/8	3	15	17	2,2	11,1	12,5	2000	50	1.97	43	1.69
B	EFDS 43-30	615 165 909 0	3/8	7	30	32	5,2	22,1	23,6	1454	50	1.97	43	1.69
B	EFDS 43-45	615 165 910 0	3/8	7	45	50	5,2	33,2	36,9	1112	50	1.97	43	1.69
B	EFDS 51-70	615 165 911 0	1/2	20	70	80	14,7	51,6	59	816	50	1.97	51	2.01
B	EFDS 51-135	615 165 912 0	1/2	30	135	150	22,1	99,6	111	463	50	1.97	51	2.01
B	EFDS 60-95	615 165 913 0	1/2	22	95	105	16,2	70,1	77,4	1055	50	1.97	60	2.36
B	EFDS 60-175	615 165 914 0	3/4	50	175	190	36,9	129	140	575	50	1.97	60	2.36
B	EFDS 60-250	615 165 915 0	3/4	55	250	280	40,6	184	206	409	50	1.97	60	2.36
B	EFDS 80-330	615 166 033 0	3/4	30	330	360	22,1	243,4	265,5	299	60	1.97	80	3.15
B	EFDS 80-450	615 166 034 0	3/4	45	450	500	33,2	331,9	368,8	218	60	1.97	80	3.15
B	EFDS 80-680	615 166 035 0	1	70	680	740	51,6	501,5	545,8	145	60	1.97	80	3.15
B	EFDS 80-950	615 166 036 0	1	100	950	1050	73,8	700,7	774,4	103	60	1.97	80	3.15
B	EFDS 106-1100	615 166 037 0	1	110	1100	1150	81,1	811,3	848,2	93	60	1.97	106	4.17
B	EFDS 106-1600	615 166 038 0	1 1/2	160	1600	1700	118,0	1180,1	1253,9	59	60	1.97	106	4.17
B	EFDS 106-1900	615 166 039 0	1 1/2	190	1900	2000	140,1	1401,4	1475,1	47	60	1.97	106	4.17

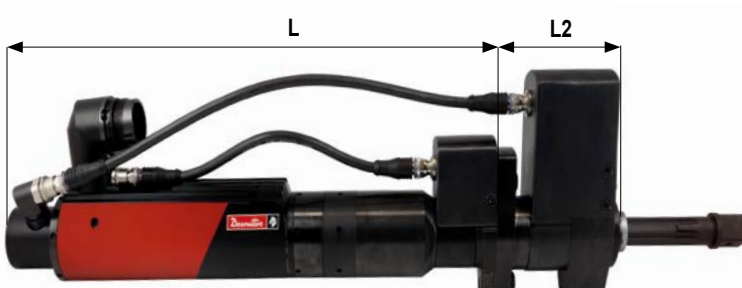


Fixtured electric spindles - CVI3

5 to 250 Nm (0.7 to 206 ft.lb) - 409 to 2000 rpm



A



B

MODEL	LENGTH						D		WEIGHT					
	TOOL-L		MODULE-L1		MODULE-L2				TOOL		MODULE		MODULE TA	
	mm	in.	mm	in.	mm	in.	mm	in.	kg	lb.	kg	lb.	kg	lb.
EFDE/EFDS 43-8-TA	276	10.9	165	6.5	90	3,54	10	0.39	2.1	4.63	0.65	1.43	1.45	3.20
EFDE/EFDS 43-15-TA	276	10.9	165	6.5	90	3,54	10	0.39	2.1	4.63	0.65	1.43	1.45	3.20
EFDE/EFDS 43-30-TA	311	12.2	165	6.5	90	3,54	10	0.39	2.3	5.07	0.65	1.43	1.45	3.20
EFDE/EFDS 43-45-TA	311	12.2	165	6.5	90	3,54	10	0.39	2.3	5.07	0.65	1.43	1.45	3.20
EFDE/EFDS 51-70-TA	357	14.0	183	7.2	98	3,86	16	0.63	3.9	8.60	1.45	3.20	2	4.41
EFDE/EFDS 51-135-TA	357	14.0	183	7.2	98	3,86	16	0.63	3.9	8.60	1.45	3.20	2	4.41
EFDE/EFDS 60-95-TA	373	14.7	183	7.2	98	3,86	16	0.63	5.3	11.7	1.45	3.20	2.8	6.17
EFDE/EFDS 60-175-TA	373	14.7	203	8.0	98	3,86	16	0.63	5.3	11.7	1.87	4.12	2.8	6.17
EFDE/EFDS 60-250-TA	373	14.7	203	8.0	98	3,86	16	0.63	5.3	11.7	1.87	4.12	2.8	6.17



ACCESSOIRES
see page 46

PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE						ROTATIONAL SPEED	TELESCOPIC STROKE		MIN.CENTRE DISTANCE	
				MIN.	RECOM- MENDED	MAX.	MIN.	RECOM- MENDED	MAX.		mm	in.	mm	in.
			in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm	mm	in.	mm	in.

EFDE-TA – With removable telescopic module & second transducer

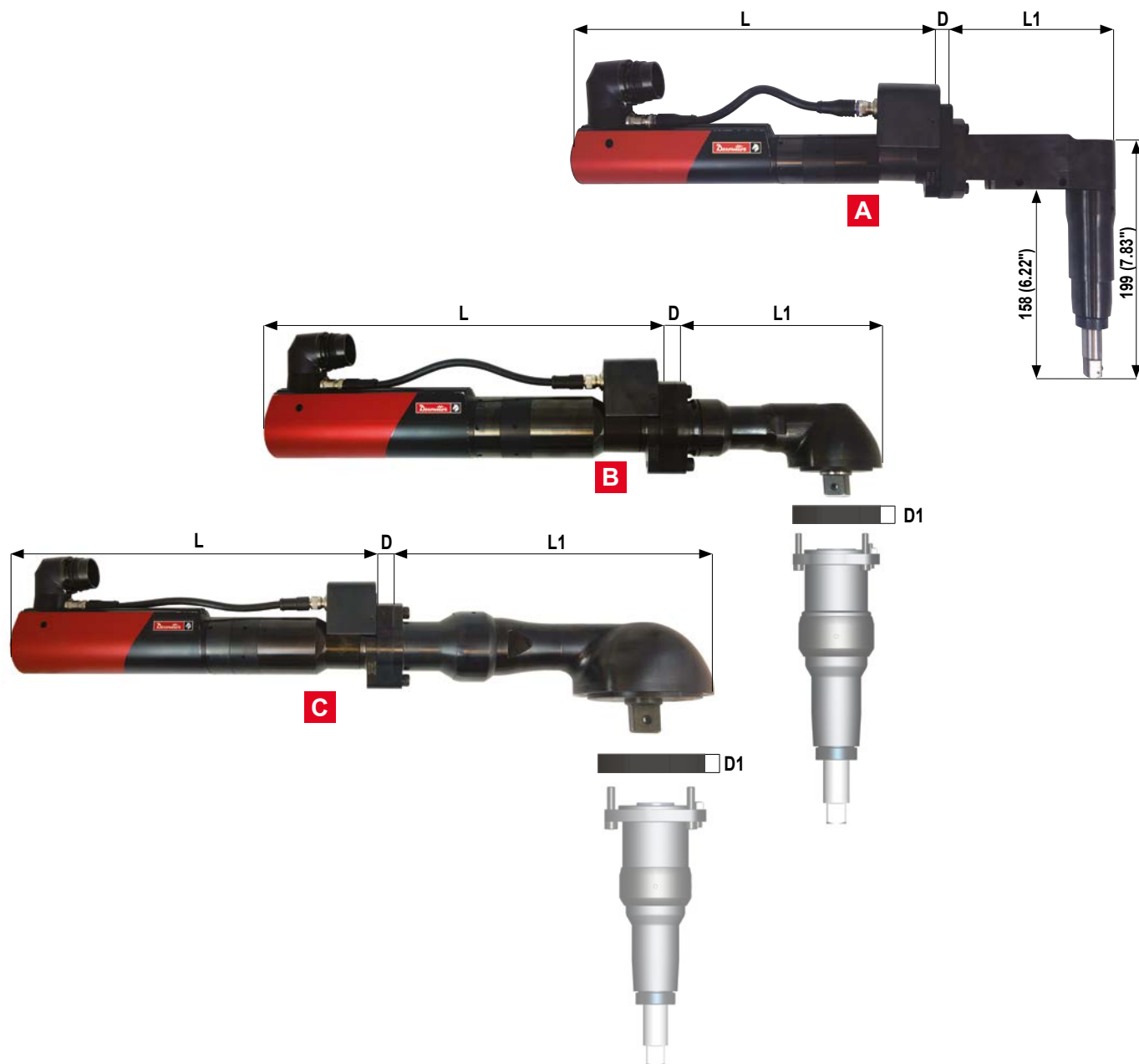
A	EFDE 43-15-TA	615 166 002 0	3/8	5	15	17	3,7	11,1	12,5	2000	50	1.97	43	1,69
A	EFDE 43-30-TA	615 166 003 0	3/8	7	30	32	5,2	22,1	23,6	1454	50	1.97	43	1,69
A	EFDE 43-45-TA	615 166 004 0	3/8	7	45	50	5,2	33,2	36,9	1112	50	1.97	43	1,69
A	EFDE 51-70-TA	615 166 005 0	1/2	20	70	80	14,7	51,6	59,0	816	50	1.97	51	2,01
A	EFDE 51-135-TA	615 166 006 0	1/2	30	135	150	22,1	99,6	111,0	463	50	1.97	51	2,01
A	EFDE 60-95-TA	615 166 007 0	1/2	22	95	105	16,2	70,1	77,4	1055	50	1.97	60	2,36
A	EFDE 60-175-TA	615 166 008 0	3/4	50	175	190	36,9	129,0	140,0	575	50	1.97	60	2,36
A	EFDE 60-250-TA	615 166 009 0	3/4	55	250	280	40,6	184,0	206,0	409	50	1.97	60	2,36

EFDS-TA – With integrated telescopic output & second transducer


B	EFDS 43-8-TA	615 166 010 0	3/8	5	8	10	3,7	5,9	7,4	2000	50	1.97	43	1,69
B	EFDS 43-15-TA	615 166 011 0	3/8	5	15	17	3,7	11,1	12,5	2000	50	1.97	43	1,69
B	EFDS 43-30-TA	615 166 012 0	3/8	7	30	32	5,2	22,1	23,6	1454	50	1.97	43	1,69
B	EFDS 43-45-TA	615 166 013 0	3/8	7	45	50	5,2	33,2	36,9	1112	50	1.97	43	1,69
B	EFDS 51-70-TA	615 166 014 0	1/2	20	70	80	14,7	51,6	59,0	816	50	1.97	51	2,01
B	EFDS 51-135-TA	615 166 015 0	1/2	30	135	150	22,1	99,6	111,0	463	50	1.97	51	2,01
B	EFDS 60-95-TA	615 166 016 0	1/2	22	95	105	16,2	70,1	77,4	1055	50	1.97	60	2,36
B	EFDS 60-175-TA	615 166 017 0	3/4	50	175	190	36,9	129,0	140,0	575	50	1.97	60	2,36
B	EFDS 60-250-TA	615 166 018 0	3/4	55	250	280	40,6	184,0	206,0	409	50	1.97	60	2,36

Fixtured electric spindles - CVI3

12 to 580 Nm (0.7 to 206 ft.lb) - 170 to 719 rpm



L2	TELESCOPIC STROKE		LENGTH L2		D1		PART NO.	FOR MODEL	D	
	mm	in.	mm	in.	mm	in.			mm	in.
	40	1.57	203	8.0	12	0.47	615 398 076 0	EFDA51-110	16	0.63
	40	1.57	217	8.5	12	0.47	615 398 077 0	EFDA63-190	16	0.63
	40	1.57	215	8.4	15	0.59	615 398 078 0	EFDA76-300	16	0.63
	50	1.97	270	10.6	15	0.59	615 398 161 0	EFDA107-450	16	0.63

 **ACCESSOIRES**
see page 46

PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE						ROTATIONAL SPEED	MIN.CENTRE DISTANCE		LENGTH				WEIGHT	
				MIN.	RECOM- MENDED	MAX.	MIN.	RECOM- MENDED	MAX.		TOOL L		ANGLE HEAD L1					
			in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm	mm	in.	mm	in.	mm	in.	kg	lb

EFDA - Angle headed tools with integrated telescopic module

A	EFDA40-55	615 165 858 0	1/2	12	55	65	8.9	40.6	47.9	719	40	1.57	311	12.2	139	5.5	3.7	8.1
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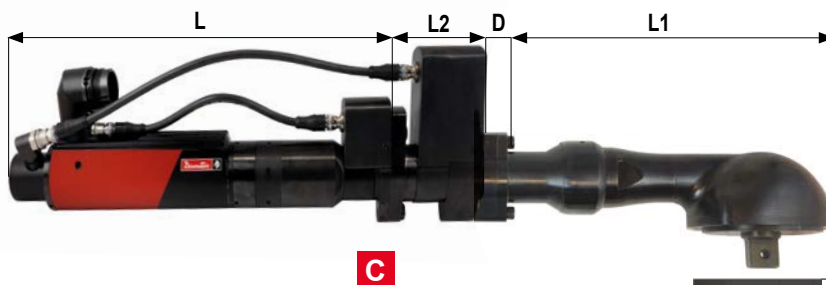
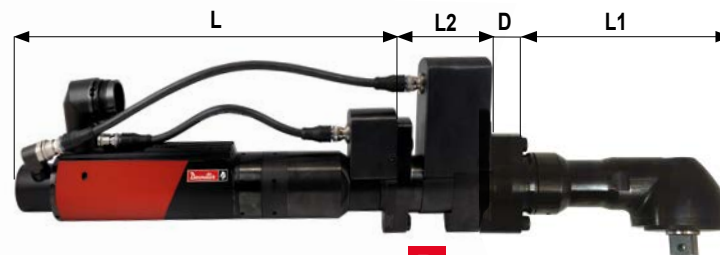
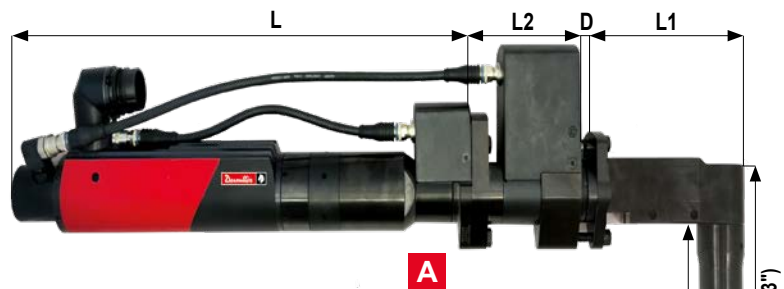
EFDA - Angle headed tools without telescopic module

B	EFDA51-110*	-	1/2	45	110	150	33.2	81.1	111	590	51	2.01	373	14.7	168	6.6	7.2	15.8
B	EFDA63-190	615 165 860 0	3/4	80	190	250	59	140	184	320	63	2.48	373	14.7	191	7.5	8.1	17.8
B	EFDA76-300*	-	3/4	100	300	380	73.7	221	280	270	76	2.99	373	14.7	284	11.2	9.7	21.3
C	EFDA107-450	615 165 862 0	1	150	450	580	110.6	332	428	170	107	4.21	373	14.7	322	12.7	12.4	27.3

*On request, contact your Desoutter representative

Fixtured electric spindles - CVI3

12 to 580 Nm (0.7 to 206 ft.lb) - 174 to 719 rpm



ACCESSOIRES
see page 46

PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE						ROTATIONAL SPEED	MIN. CENTRE DISTANCE		TOOL L		LENGTH ANGLE HEAD L1		MODULE TA L-2		WEIGHT			
				MIN.	RECOM- MENDED	MAX.	MIN.	RECOM- MENDED	MAX.		mm	in.	mm	in.	mm	in.	kg	lb.	kg	lb.		
			in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm	mm	in.	mm	in.	mm	in.	mm	in.	kg	lb.	kg	lb.
EFDA - Angle headed tools with integrated telescopic module																						
A	EFDA40-55-TA	615 166 019 0	1/2	12	55	65	8.9	40.6	47.9	719	41	1.59	311	12.2	139	5.5	90	3,54	3.7	8.1	1.35	2.98
EFDA - Angle headed tools & second transducer																						
B	EFDA63-190-TA	615 166 020 0	3/4	80	190	250	59	140.1	184.4	319	63	2.5	373	14.7	191	7.5	98	3,86	8.1	17.8	2.5	5.51
C	EFDA107-450-TA	615 166 021 0	1	150	450	580	110.6	331.9	427.8	174	107	4.21	373	14.7	322	12.7	98	3,86	12.4	27.3	2.5	5.51

Accessories

Cable for ERP / EAD / EID / EFDE / EFDS / EFDA



CABLE FOR ERP TOOLS	PART NO.
Nutrunner cable 2.5m (8.2ft)	615 917 570 0
Nutrunner cable 5m (16ft)	615 917 492 0
Nutrunner cable 10m (32.8ft)	615 917 494 0
Nutrunner cable 15m (49.2ft)	615 917 495 0

CABLE FOR EAD & EID TOOLS	PART NO.
Tool cable 2.5m (8.2ft)	615 917 601 0
Tool cable 5m (16ft)	615 917 602 0
Tool cable 10m (32.8ft)	615 917 604 0
Tool cable 15m (49.2ft)	615 917 605 0
Tool cable eFLEX 2.5m (8.2ft)	615 917 631 0
Tool cable eFLEX 5m (16.4ft)	615 917 632 0

CABLE FOR EFDE & EFDA TOOLS	PART NO.
Tool cable 2.5m (8.2ft)	615 917 651 0
Tool cable 5m (16ft)	615 917 652 0
Tool cable 10m (32.8ft)	615 917 654 0
Tool cable 15m (49.2ft)	615 917 655 0

EXTENSION CABLE FOR ERP TOOLS	PART NO.
Extension cable 5m (16ft)	615 917 083 0
Extension cable 10m (32.8ft)	615 917 084 0
Extension cable 15m (49.2ft)	615 917 085 0
Extension cable 20m (65.6ft)	615 917 086 0
Extension cable 25m (82ft)	615 917 087 0
Extension cable 30m (98ft)	615 917 088 0

EXTENSION CABLE FOR EAD - EID - EFDE & EFDA TOOLS	PART NO.
Ext. cable 8m (26.2ft)	615 917 581 0
Ext. cable 16m (52.5ft)	615 917 584 0
Ext. cable 32m (105ft)	615 917 587 0
Ext. cable 50m (164ft)	615 917 589 0

eBUS CABLE	PART NO.
eBUS cable Shielded 1m (3.3ft)	615 917 607 0
eBUS cable Shielded 3m (9.9ft)	615 917 608 0
eBUS cable Shielded 5m (16.4ft)	615 917 609 0
eBUS cable Shielded 15m (49.2ft)	615 917 610 0
eBUS Termination plug	615 917 625 0

TRANSDUCER HOLDERS FOR EFDE TOOLS	PART NO.
3/8" Square drive EFDE43	615 396 426 0
1/2" Square drive EFDE51/60-95	615 396 427 0
3/4" Square drive EFDE60-175/250	615 396 428 0
3/4" Square drive EFDS80-330/450	615 396 429 0
1" Square drive EFDS80-680/950 - EFDS106-1100	615 396 430 0





CVI3 Controllers

OPTIONAL ACCESSORIES

ITEM		PART NO.
Controllers		
1	Socket tray with tubes & inserts	615 936 095 0
	• Socket tray	615 936 071 0
2	Kit tubes & Inserts for Socket tray	615 398 035 5
3	Bit holder module for Socket tray	615 398 083 5
4	Bit Tray	615 936 080 0
5	Operator Panel (advanced)	615 936 072 0
6	Stack Light	615 936 073 0
7	I/O Expander	615 936 074 0
	• Y cable for RS232 port	615 917 620 0

ERP / EAD / EID

OPTIONAL ACCESSORIES

ITEM		PART NO.
Suspension bail		
8	Non swivelling - All tools up to EAD105/EID75	615 397 412 0
9	Swivelling - All tools up to EAD105/EID75	615 397 413 0
9	Swivelling - for tools EAD160/200/280-260 & EID120	615 571 072 0

Front trigger

10	Mechanical kit for tools EAD20 to EAD105 & EID25 to EID75 (must be mounted on tool by authorized Desoutter service technician)	615 398 530 0
10	Electric kit for EAD20 to EAD32 & EID25 to EID32	615 911 013 5
10	Electric kit for EAD50 to EAD105 & EID44 to EID75	615 911 012 5

Telescopic output for EID tools

11	3/8" for EID25/32	615 397 811 0
11	3/8" for EID44	615 398 178 0
11	1/2" for EID65/75	615 398 079 0
11	1/2" for EID120/170	615 398 080 0
11	3/4" for EID270/300	615 398 081 0

Telescopic output for EAD / EFDA tools

12	1/2" for EAD160	615 398 076 0
12	3/4" for EAD200/280 & EFDA63-190	615 398 077 0
12	3/4" for EAD440	615 398 078 0
12	1" for EFDA107-450	615 398 161 0

Angle head protection for EAD tools

13	For EAD20/32	615 573 207 0
13	For EAD50	615 573 208 0
13	For EAD70	615 573 209 0
13	For EAD80/105	615 573 210 0

In-line protection for EID tools

14	For EID25/32	615 573 211 0
14	For EID44/65/75	615 573 212 0

Finger Protection for EAD tools

15	For EAD20/32	615 397 635 0
15	For EAD50	615 397 636 0
15	For EAD70	615 397 637 0

Miscellaneous

16	Handle lever	615 397 831 0
17	Trigger locker	615 397 842 0
18	Barcode reader + Headlight accessory - EAD/EID	615 812 138 0
19	Headlight accessory - EAD/EID	615 812 139 0
	• Mounting plate for custom arm - EAD160/200/280/440/660	Contact Desoutter

Desoutter Tool Holster

20	DTH42 (For ERP3/5/10/20/30)	107892
21	DTH90 (For ERP3/5/10/20/30)	615 812 119 0
22	DTH TWIN (single) without rail	615 811 411 0
23	DTH TWIN rail kit with 2 Twin holders	615 811 412 5
24	DTH TWIN stand kit with base & 2 Twin holders	615 811 413 5
	• D53 arms	See page 152
	• TRA telescopic reaction arms	See page 162
	• Balancers	See page 172

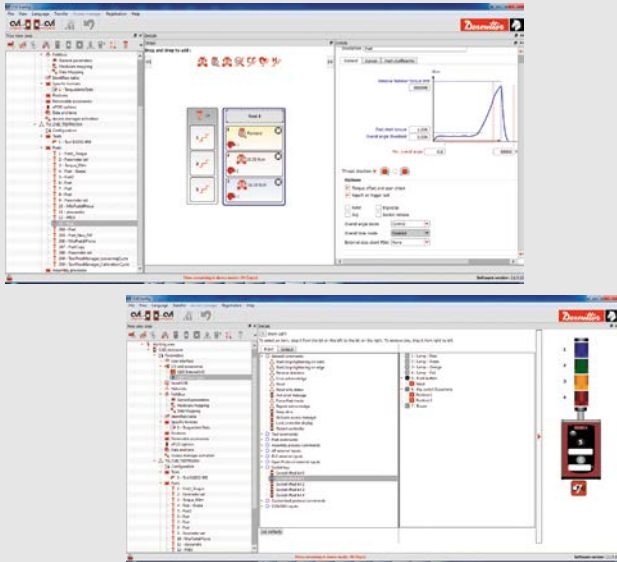
ITEM	ADAPTER FOR ERAL/ERDL/ERP/ EME AND ERS	PART NO.
25	CVI II Tool Adaptor	615 936 070 0
26	ERS module	615 936 537 0



Programming and Real Time Monitoring Software

CVI CONFIG - PROGRAMMING (INCLUDING CVI MONITOR)

CVIKEY - ACCESS LEVEL MANAGEMENT



FEATURES

CVI CONFIG to set any point to point or via network with an intuitive and guided interface

User-friendly interface

- Configurable complete Assembly line view in the tree area
- Easy Tool/PSet setting including Quick Pset & learning mode
- PSet steps definition with drag & drop feature and Intuitive settings with curve template
- Fast learning curve with contextual help
- Real time error-proofing consistency check

Advanced process control

- Complete process logic mapping including tightening & non-tightening operations with Assembly Process

High flexibility

- Dynamic mapping for I/O, fieldbus with drag & drop feature
- Including Geopositioning set up
- 2 ways transfer of all parameters between stations & PC
- Real time access to tool parameters/counters (partial/ total number of cycles performed by the tool/cable)
- Test mode to check torque transducer, angle encoder, brushless motor
- Complete backup/restore of stations

CVI MONITOR (included in CVI CONFIG) to monitor results, maintenance and diagnostic in real time

Real-time Monitor

- Results
- Curves
- Statistics
- Export in csv format

Maintenance

- read the counters of the tools, controller and cables
- set preventive maintenance alarms
- reset the counters and alarms
- tool calibration
- autocalibration with Delta 6D

User info History

- Alarms history (logs)
- Problem solving guidance

CVIKEY to create & manage tailor-made access rights per user profile

Tailor made protection

- Intuitive software to create/manage access level
- Protection guaranteed by unique profile keys created by the administrator (locked against copy)

Simple interface

- Plug & Play USB key
- 4 profiles already available by default

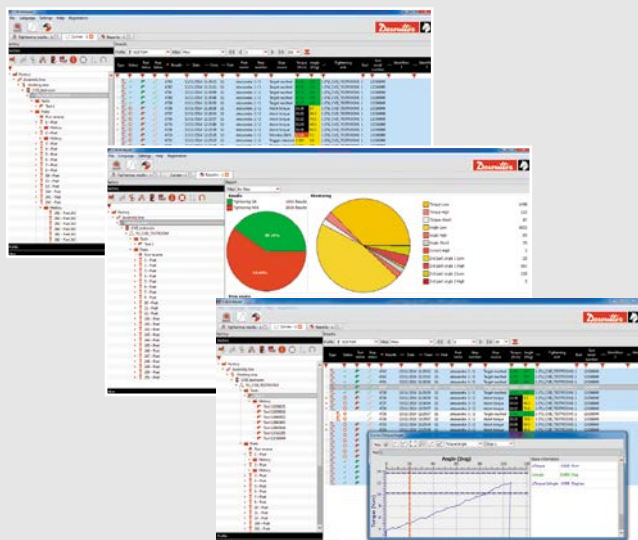
High flexibility

- Unlimited number of profiles
- Set up the right access level for the right



Traceability and Data Collection Software

CVI ANALYZER - TIGHTENING DATA ANALYSIS



CVI NET WEB - DATA COLLECTION



FEATURES

CVI ANALYZER to import tightening data and analyze results thanks to customized filter and report.

Flexibility

- Complete Factory and Assembly line layout definition
- Multi User Profiles definition
- Complete Factory and Assembly line layout definition
- Multi User Profiles definition
- Advanced customized filter definition
- Advanced data searching
- Multi tab view

Traceability

- Unlimited CVI3 results and curves collection in local DB through plant network
- Complete back-up solution
- PSet history
- Including data import from USB key
- Result and Curve export in cvs format

Analysis

- OK/NOK distribution
- NOK distribution reasons analysis

CVI NET WEB to collect in real time 100 % tightening data in server database and review with web based interface. Any PC connected to network can access to results without any software installation on different client, it's enough to type web page address.

Full Traceability

- Real Time result and curve collection
- Real Time tightening errors
- Data storage in Server architecture
- SQL Server, Oracle, MySQL support
- Automatic uploading of missing data from Controller
- Alarm in case of disconnection and FIFO inside controllers
- Curve overlay

Statistical Analysis and Documentation

- Advanced OK/NOK reports and control charts
- Advanced NOK pareto analysis
- Cm/Cmk analysis according different standards (ISO, CNOMO, NF)
- Error Code Analysis & CVI3 User Info pareto diagram
- Team productivity report

Flexibility

- Administrator User
- Customized views and Filters
- Groups and Teams management
- Complete Plant layout definition
- Smart Identifier filtering
- Quick VIN result filtering

Report printing

- Export all results and curve directly from web page
- PDF, csv or txt export format
- Direct Printing from web page
- Printing of all tightening of a vehicle or a components by scanning the proper bar code
- CVI3 Assembly Process result and complete report in PDF, xls format

Open Protocol Adapter License

- To collect results from any controller having Open Protocol capability
- To collect results from Delta Wrench WLAN

Notifier License

- To send customized email or on-line notification triggered by specific CVI3 User Info

PivotWare - Advanced Process control

Process Control Platform

INFINITY

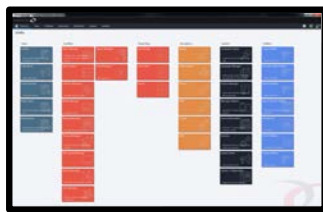
Process Control Management Suite FUSION



Watch our videos on
www.youtube.com/DESOUTTERTOOLS



Software



Fusion Management Suite for configuring stations & processes, deployment control and remote monitoring



Production Management Module to manage products, sequencing and build requirements in each station.



Production Management Module

Structured sequence of work instructions and visual guidance delivered to operator for product variant requirements in station



Customer Line Control System

Integration with line control systems for data exchange, product in station, line running/start/stop signals and TAKT requirements

Station 1

start

warm

stop

start



Modules		FOR FUSION PROGRAMMATION SOFTWARE		FOR INFINITY STATIONS		PART NO.
		(per user) includes 1 reporting licence				
	FUSION client Management & Monitoring of Processes, Devices & Installation		6159277830			
	Core engine Traceability, data storage	additional process reporting pack (per user)	6159277840	1x station 5x stations 10x stations 25x stations 50x stations 100x stations 200x stations	6159277990 6159278000 6159278010 6159278020 6159278030 6159278040 6159278050	
	PMS Production Management System Builder/Planner/Tracker	To set the stations (per User)	6159277860	1x station 5x stations 10x stations 25x stations 50x stations 100x stations 200x stations	6159278200 6159278210 6159278220 6159278230 6159278240 6159278250 6159278260	
	QMS Quality Management system Shared steps, ...	To set the stations (per User)	6159277870	1x station 5x stations 10x stations 25x stations 50x stations 100x stations 200x stations	6159278060 6159278070 6159278080 6159278090 6159278100 6159278110 6159278120	

Station

INFINITY Client - 17" Panel PC with pre-loaded client software	615 932 732 0
INFINITY Module - 17" Panel PC with pre-loaded Module software	615 932 733 0
Sigma - 12" Panel PC with pre-loaded client software	615 932 730 0

Cable

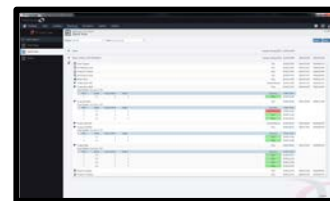
Power cord 2m - European	615 917 201 0
Power cord 2m - USA	615 917 203 0
Power cord 2m - UK	615 917 202 0
Power cord 2m - Chinese	615 917 206 0

Accessories

INFINITY Micro 16I/O with M12 Connector Breakout	615 936 324 0
INFINITY/SIGMA Nano Kit	615 936 327 0



Centralised storage and packaged services to manage collection and synchronisation of data



Fusion Management Suite for interrogation and analysis of production data and product histories

Dynamic Tooling option providing up to 8 tools operating in parallel on a single product in station



Quality Checking & Repair Station utilising Quality Management System modules & services

Quality Management Module

On line rework of missed items using the QMS Shared Step features



Station 2

Station 3

warm

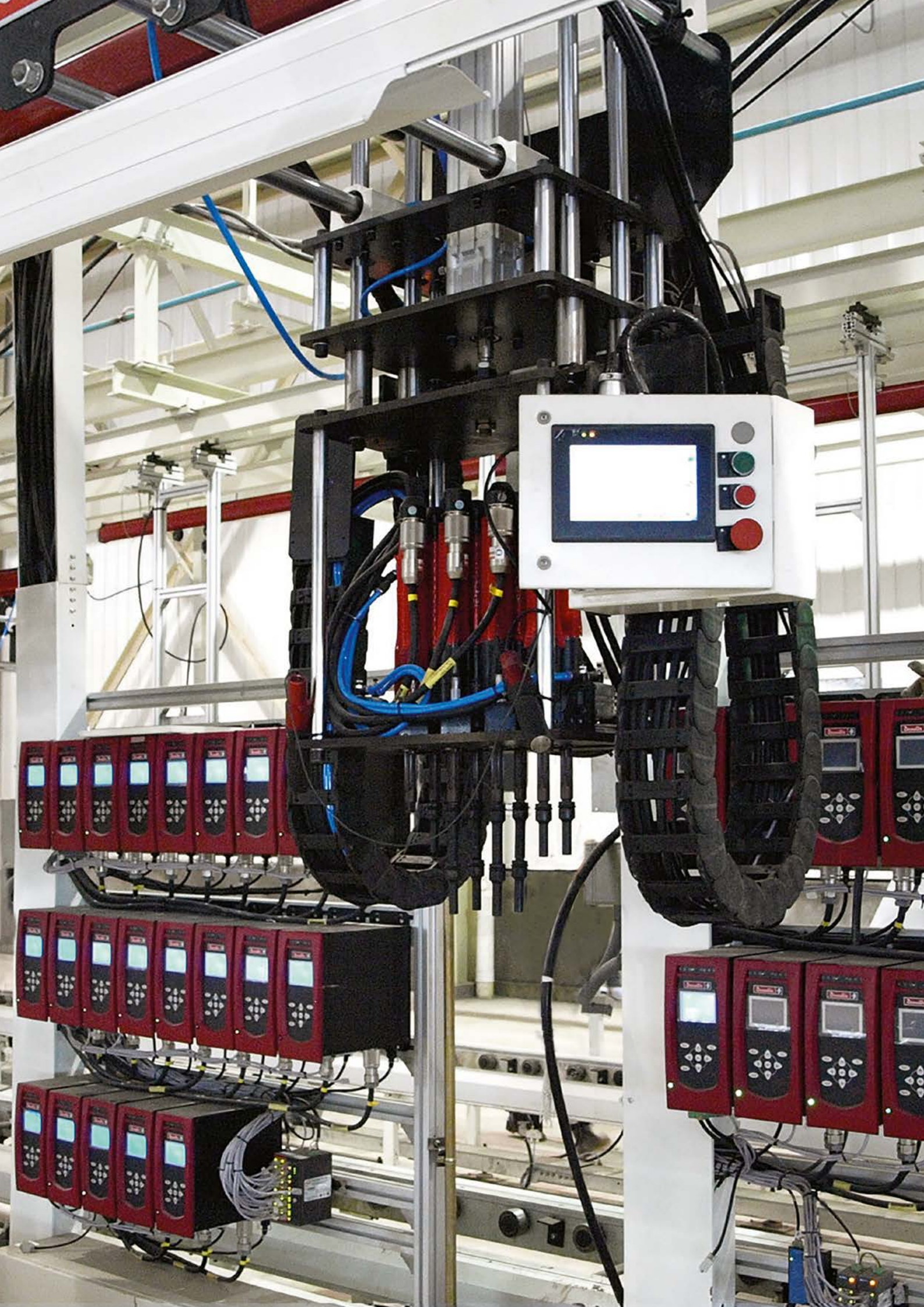
stop

start

warm

stop

Station Level TAKT monitoring and management in line with product variant requirements in station



Transducerized Tools

Handheld Tools

- Brushless AC motor: virtually maintenance free
- Resolver: smooth angle control at any speed
- 6 leds OK / NOK signals

Fixtured electric spindles

- Long life gear boxes
- Brushless motor
- High output torque transducer for a larger torque range



Controllers



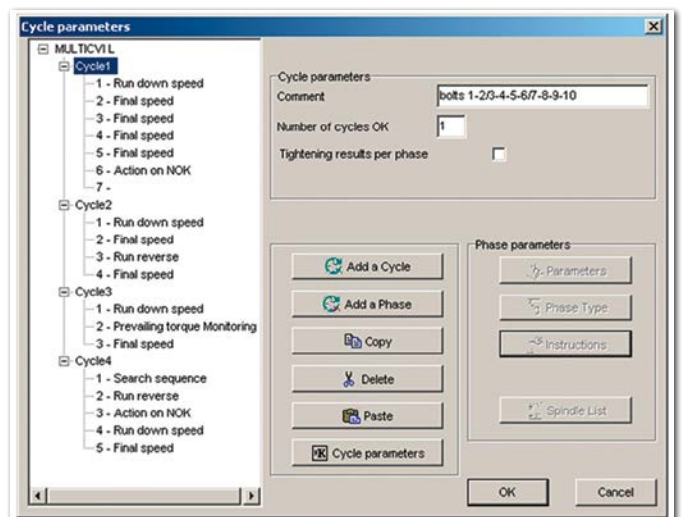
Communication

CVIPC2000 software is a user friendly tool able to program tightening cycles, collect and display results and curves

CVINET WEB to collect & store 100 % tightening data in real-time database with advanced analytics via a web based software in service mode from all Desoutter tightening controllers



Phase	Speed	Time	Torque	Angle	Position	OK	NOK
1	1000	0.10	10.0	0.0	0.0		
2	1000	0.10	10.0	0.0	0.0		
3	1000	0.10	10.0	0.0	0.0		
4	1000	0.10	10.0	0.0	0.0		
5	1000	0.10	10.0	0.0	0.0		
6	1000	0.10	10.0	0.0	0.0		
7	1000	0.10	10.0	0.0	0.0		
8	1000	0.10	10.0	0.0	0.0		
9	1000	0.10	10.0	0.0	0.0		
10	1000	0.10	10.0	0.0	0.0		



Controller - CVIR II-H4



Optional
Kit IP54 CVIx2

MAIN FUNCTIONS	CVIR II H4
Programming modes	
Number of cycles	50
Number of phases	15
Reverse	✓
1 sequence	8 cycles
Batch count	999
Barcode reading (cycle selection)	✓
LCD screen and display	✓
CVIPC software	✓
Phases characteristics	
Search sequence	✓
Run down speed phase	✓
Final speed phase	✓
Jump to another phase	✓
Cycle characteristics	
Autorized directions	✓
Disengagement parameters	✓
Tightening results	
Led "Low", "OK", "High" Torque	✓
Led "Low", "OK", "High" Angle	✓
Torque+Angle+Date+Time+Report	2000 to 10000 according to configuration
Number of curves	10
Tightening strategies	
Torque control	✓
Torque control + Angle monitoring	✓
Angle control + Torque monitoring	✓
Maintenance	
Access to all tool memory parameters	✓
Autotest of the complete system	✓
Calibration of the tool (supervisor mode)	✓

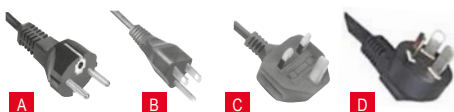
MODEL	PART NUMBER	TOOLS	CONSUMPTION (CURRENT)		MAINS SUPPLY	DIMENSIONS						WEIGHT	
						WIDTH		HEIGHT		DEPTH			
			115 V	230 V	50/60 hertz	mm	in.	mm	in.	mm	in.	kg	lb.
CVIR II H4	615 932 685 0	ERP-HT	4A	2A	Single-phase	130	5.1	278	10.9	291	11.5	5.9	13

Software, Upgrade kits...

POWER CORD

to be ordered with the controller

PLUG	DESCRIPTION	PART NO.
A	European	615 917 201 0
B	US	615 917 203 0
C	UK	615 917 202 0
D	Chinese	615 917 206 0



Software

MODEL	PART NO.
CVI PC2000-STD 1 install	615 927 522 0
CVI PC2000 advance 1 install	615 927 523 0
CVINET WEB 1 controller	615 927 736 0
Open protocol 1 license	615 927 830 0



OPTIONAL ACCESSORIES

	PART NO.
• Kit IP54 CVIx2	615 932 684 5
• Shelf support - Aluminium profile	615 397 403 5
• BRDx2 (Backup Rescue Device)	615 936 328 0

Fieldbus / Protocol

MODEL	PART NO.
Ethernet IP Module	615 927 594 0
Profibus DP Module	615 927 595 0
ProfiNet Module (1 port)	615 927 596 0
ProfiNet Module (2 ports)	615 927 597 0
CC-Link Module	615 927 598 0
Devicenet Module	615 927 599 0
MODBUS TCP Slave	615 927 615 0



Electric transducerized High torque - CVIR II

75 to 1700 Nm (55 to 1253 ft.lb) - 85 to 822 rpm

The transducerized nutrunners range ERP is dedicated to high torque applications, especially structural assemblies requiring accuracy and traceability



A



B



C



desoutter.info/ERP

PIC REF	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE RANGE				MAX RUNDOWN TORQUE	SPEED	GEARBOX DIAMETER		LENGHT		WEIGHT		SPLINE
				MIN.	MAX.	MIN.	MAX.			mm	in.	mm	in.	kg	lb	
A	ERP250	615 165 883 0	3/4	75	250	55	184	18	822	54	2.13	355	13.9	5.1	11.2	3
B	ERP500	615 165 884 0	3/4	150	500	110	368	37	347	67	2.64	390	15.3	5.8	12.8	4
C	ERP750	615 165 885 0	1	225	750	165	553	56	245	67	2.64	410	16.1	6.2	13.7	5
C	ERP1000	615 165 886 0	1	300	1000	221	737	75	205	67	2.64	420	16.5	6.4	14.1	5
•	ERP1700	615 165 887 0	1	510	1700	376	1253	127	85	84	3.31	455	17.9	8.3	18.3	9

OPTIONAL ACCESSORIES



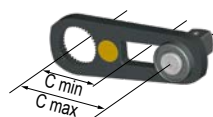
REACTION BARS	SPLINE	1 STRAIGHT	2 S-TYPE	3 L TYPE ALUMINIUM	4 SQUARE	5 SLIDING DRIVE	6 SLIDING DRIVE EXTENDED C-C	7 SUSPENSION BAIL	8 SIDE HANDLE
ERP250	3	615 812 097 5	615 812 068 5	615 812 072 5	615 812 057 5	615 812 113 5	N/A	615 812 123 0	615 576 085 0
ERP500	4	615 812 054 5	615 812 069 5	615 812 073 5	615 812 058 5	615 812 062 5	615 812 063 5	615 812 123 0	615 576 085 0
ERP750 / ERP1000	5	615 812 055 5	615 812 070 5	N/A	615 812 059 5	615 812 064 5	615 812 065 5	615 812 123 0	615 576 085 0
ERP1700	9	615 812 056 5	615 812 071 5	N/A	615 812 060 5	615 812 066 5	615 812 067 5	615 812 123 0	615 576 085 0



NUTRUNNER CABLE	PART NO.
Tool cable 3m (9.8ft)	615 917 461 0
Tool cable 5m (16ft)	615 917 462 0
Tool cable 10m (32.8ft)	615 917 464 0
Tool cable 15m (49.2ft)	615 917 465 0



EXTENSION CABLE	PART NO.
Ext. cable 5m (16ft)	615 917 222 0
Ext. cable 10m (32.8ft)	615 917 224 0



Slidding drive C-C

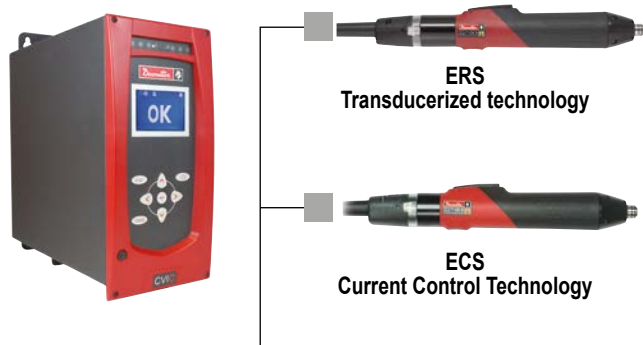
PART NO.	C	
	mm (in.)	mm (in.)
615 812 113 5	70 (2.76)	120 (4.72)
615 812 062 5	76 (3)	126 (4.96)
615 812 063 5	82 (3.23)	218 (8.58)
615 812 064 5	80 (3.15)	125 (4.92)
615 812 065 5	82 (3.23)	218 (8.58)
615 812 066 5	80 (3.15)	130 (5.11)
615 812 067 5	80 (3.15)	280 (11.0)

Controller - CVIR II

Error proofing and flexibility

Advanced control unit with flexibility and technology

- Easy integration into your assembly line with multiple choices of connectivity



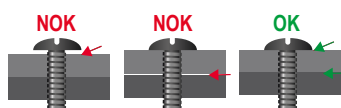
COMMUNICATION

- 1 Ethernet port for CVIPC or network communication
- 1 RS232 port to connect barcode readers or CVIPC 2000
- 8 Inputs and 8 Outputs
- 1 Optional fieldbus module

Innovative Tightening Strategy

Seating detection

Detect the screw head contact on your part by torque rate management, even with material variation



QUALITY GUARANTEED

MODEL	PART NUMBER	TOOLS	CONSUMPTION (CURRENT)		MAINS SUPPLY	DIMENSIONS						WEIGHT	
			115 V	230 V		WIDTH		HEIGHT		DEPTH		kg	lb.
CVIR II	615 932 681 0	ERS/ECS	4A	2A	50/60 hertz	mm	in.	mm	in.	mm	in.	5	11

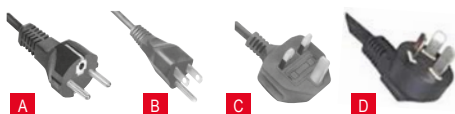
MAIN FUNCTIONS	CVIR II
Programming modes	
Quick cycle	✓
Learning mode	✓
Number of cycles	50
Number of phases available	15
Phase characteristics	
Search sequence	✓
Approach	✓
Run down speed	✓
Final speed phase	✓
Action on NOK	✓
Run reverse	✓
Jump to another phase	✓
Prevailing Torque	✓
Synchronisation phase	✓
Tightening strategies	
Torque	✓
Torque with angle monitoring	✓
Angle with torque monitoring	✓
Yield point	✓
Seating detection	✓
Number of stored results	2000 to 10000 according configuration

Software, Upgrade kits...

POWER CORD

to be ordered with the controller

PLUG	DESCRIPTION	PART NO.
A	European	615 917 201 0
B	US	615 917 203 0
C	UK	615 917 202 0
D	Chinese	615 917 206 0



OPTIONAL ACCESSORIES

	PART NO.
• PC cable length 2 m (78.7")	615 917 047 0
• 37 pin D-Sub female I/O adapter	615 919 003 0
• Shelf support - Aluminium profile	615 397 403 5
• BRDx2 (Backup Rescue Device)	615 936 328 0

Software

MODEL	PART NO.
CVI PC2000-STD 1 install	615 927 522 0
CVI PC2000 advance 1 install	615 927 523 0
CVINET WEB 1 controller	615 927 736 0
Open protocol 1 license	615 927 830 0

Fieldbus / Protocol

MODEL	PART NO.
Ethernet IP Module	615 927 594 0
Profibus DP Module	615 927 595 0
ProfiNet Module (1 port)	615 927 596 0
ProfiNet Module (2 ports)	615 927 597 0
CC-Link Module	615 927 598 0
Devicenet Module	615 927 599 0
MODBUS TCP Slave	615 927 615 0



Electric transducerized screwdrivers - CVIR II

0.6 to 27 Nm (5.3 to 239 ft.lb) – 280 to 3000 rpm

The transducerized screwdrivers range ERS is dedicated for all type of tightening which required accuracy and traceability



A



B



C

Visible & Programmable reporting LED System



Good Report



Bad Report



Programmable

Tool Ready, Tool in Cycle, Maintenance Alert, and more.



ACCESSORIES
see page 67

To connect with CVI3 controller, ERS module is needed

PIC REF	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE				SPEED	WEIGHT	
				MIN.	MAX.	MIN.	MAX.		kg	lb
			in.	Nm	Nm	in/lb	in/lb	rpm		
A	ERS2	615 165 688 0	Hex. 1/4F	0.6	2.5	5.3	22.1	3000	0.7	1.54
A	ERS6	615 165 689 0	Hex. 1/4F	1.0	6.0	8.8	53.1	1725	0.7	1.54
A	ERS12	615 165 690 0	Hex. 1/4F	1.5	12	13.3	106.2	950	0.7	1.54
A	ERS2-M20	615 165 691 0	Hex. 1/4F	0.6	2.5	5.3	22.1	3000	0.7	1.54
A	ERS6-M20	615 165 692 0	Hex. 1/4F	1.0	6.0	8.8	53.1	1725	0.7	1.54
A	ERS12-M20	615 165 693 0	Hex. 1/4F	1.5	12	13.3	106.2	950	0.7	1.54
A	ERS22-M20	615 165 916 0	Sq. 3/8	6.0	22	53.1	194.7	380	1.05	2.31
B	ERSA2	615 165 697 0	Hex. 1/4F	0.6	2.5	5.3	22.1	2500	1.0	2.2
B	ERSA6	615 165 698 0	Hex. 1/4F	1.0	6.0	8.8	53.1	1450	1.0	2.2
B	ERSA12	615 165 699 0	Hex. 1/4F	2.0	12	17.7	106.2	800	1.0	2.2
B	ERSA27	615 165 917 0	Sq. 3/8	8.0	27	70.8	239	280	1.25	2.75
C	ERSF2	615 165 694 0	Hex. 1/4F	0.6	2.5	5.3	22.1	3000	0.7	1.54
C	ERSF6	615 165 695 0	Hex. 1/4F	1.0	6.0	8.8	53.1	1725	0.7	1.54
C	ERSF12	615 165 696 0	Hex. 1/4F	1.5	12	13.3	106.2	950	0.7	1.54
C	*ERSF2-03	615 166 068 0	Hex. 1/4F	0.6	2.5	5.3	22.1	3000	0.7	1.54
C	*ERSF6-03	615 166 069 0	Hex. 1/4F	1.0	6.0	8.8	53.1	1725	0.7	1.54
C	*ERSF12-03	615 166 070 0	Hex. 1/4F	1.5	12	13.3	106.2	950	0.7	1.54

*Models with 30cm integrated cable instead of 4 meters

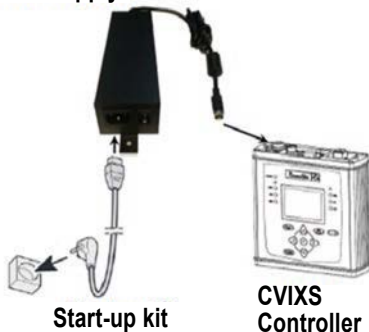
Electric transducerised Very Low Torque – CVIXS



MAIN FUNCTIONS	
Programming modes	
Quick cycle	✓
Learning mode	✓
Number of cycles	50
Number of phases available	15
Phase characteristics	
Search sequence	✓
Run down speed	✓
Final speed phase	✓
Action on NOK	✓
Run reverse	✓
Jump to another phase	✓
Prevailing Torque	✓
Synchronisation phase	✓
Tightening strategies	
Torque	✓
Torque with angle monitoring	✓
Angle with torque monitoring	✓
Seating detection	✓
Stall torque	✓
Number of stored results	2000 to 10000 according configuration

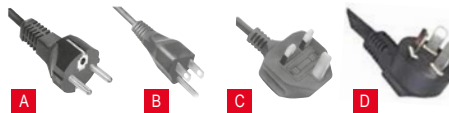
Controller features

Power Supply

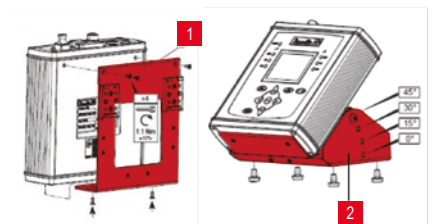


Start-up kit

PLUG	DESCRIPTION	PART NO.
A	European	615 917 201 0
B	US	615 917 203 0
C	UK	615 917 202 0
D	Chinese	615 917 206 0



CVIXS supports



ITEM	DESCRIPTION	PART NO.
1	KIT RAIL DIN SUPPORT CVIXS	615 812 231 0
2	KIT ANGLE SUPPORT CVIXS	615 812 232 0

CVIXS fieldbus communication : order fieldbus module + fieldbus protocol

	MODEL		PART NO.	MODEL	PART NUMBER	TOOLS	CONSUMPTION (CURRENT)	SUPPLY VOLTAGE	DIMENSIONS						WEIGHT	
									WIDTH	HEIGHT	DEPTH					
FIELD BUS PROTOCOL	1	Fieldbus Module	615 932 721 0						mm	in.	mm	in.	mm	in.	kg	lb.
	2	Ethernet IP Module	615 929 051 0													
	3	Profibus DP Module	615 929 052 0													
	4	ProfiNet Module (1 port)	615 929 053 0													
	5	ProfiNet Module (2 ports)	615 929 054 0													
	6	CC-Link Module	615 929 055 0													
	7	Devicenet Module	615 929 056 0													
	8	MODBUS TCP Slave	615 929 057 0													
CVIXS CONTROLLER				615 932 720 0	ERXS		150	36 VDC	171,6	6,73	171	6,75	54,6	2,15	1,12	2,2
CVIXS POWER SUPPLY				615 932 663 0	CVIXS		72-180	100-240 VAC	65	2,56	50	8,07	50	1,97	0,97	2,13

Electric transducerised Very Low Torque – NANO DRIVER



Transducerized tool for Extreme Precision

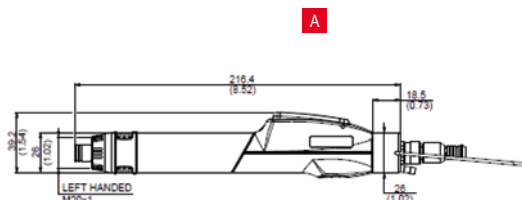
- 4mm wing shank and half moon bits for the smallest screws
- Safety Critical Repeatability
- Traceability using internal transducer

Ergonomic Design

- Streamlined & contoured
- Non-slip Tool Housing
- Push / Lever start
- Highly Flexible Light Weight Industrial Cable
- M20 output thread for easy integration and automatization

Programmable Vacuum System Activation Options

- Built in Accelerometer
- Dedicated connector for 24V vacuum pump



PIC REF	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE				MAX SPEED	LENGTH		WEIGHT	
				MIN	MAX	MIN	MAX					
				Ncm	Ncm	in/lb	in/lb	rpm	mm	in.	kg	lb
A	ERXS 20	615 165 874 0	WS-HM	6	20	0,53	1,77	1000	216	8,5	0,3	0,66
A	ERXS 50	615 165 875 0	WS-HM	15	50	1,32	4,43	1000	216	8,5	0,3	0,66
A	ERXS 80	615 165 876 0	WS-HM	24	80	2,12	7,08	1000	216	8,5	0,3	0,66

DESCRIPTION	PART NO.
TOOL & EXTENSION CABLE 3 METERS - 9,8 FT*	615 917 643 0

*Connect up to 3 cables (max 9 Meters - 29,5 ft)

ACCESSORIES

ITEM		PART NUMBER
Vacuum solution		
1	"Blank nozzle short: 40mm. To be machined according to screw"	615 704 033 0
2	"Blank nozzle long : 60mm. To be machined according to screw"	615 704 034 0
3	"Vaccum adapter kit. For tool handheld. To be ordered with a blank nozzle"	615 812 883 0
Arms		
4	D53-5	615 810 700 0
5	D53-5S	615 810 706 0
6	Special clamp	615 812 885 5
Bits		
7	Refer to accessories catalogue	page 279
Miscellaneous		
8	Flange M20 for automatization	205 052 875 3
9	DTH42 Tool holster	107892
10	Cable 2m for Bit Tray and Posco 500	615 917 598 0



Controller - CVIL II

Flexible integration



Optional fieldbus module

RS232 connector
• Barcode
• CVI PC 2000
• Results reports

I/O port
• 7 inputs
• 8 outputs
Emergency stop cat.2 level D

Ethernet port
8 sockets
CVIPC 2000
CVINET
Others

GFI
Circuit breaker

Tool connector
Hand held tools or
Fixture spindles

Auto switch - main supply
110 to 240Volts

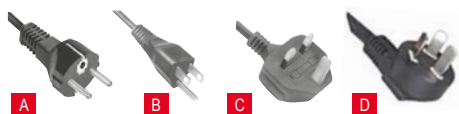
FEATURES	CVIL II
General functions	
Number of cycles	50
Number of phases	15
Batch count	999
Bar code reading via RS232 port	✓
Programming	
LCD screen and display	✓
CVIPC software	✓
Tightening results	
Led "Low", "OK", "High" Torque	✓
Led "Low", "OK", "High" Angle	✓
Torque+Angle+Data+Time+Report	up to 10 000
Number of curves (flexibility with OK and NOK)	10

MODEL	PART NUMBER	CONSUMPTION (CURRENT)		MAINS SUPPLY	DIMENSIONS						WEIGHT	
		115 V	230 V		WIDTH		HEIGHT		DEPTH		kg	lb.
CVIL II	615 932 680 0	4A	2A	50/60 hertz	mm	in.	mm	in.	mm	in.	5.9	13

Software, Upgrade kits...

POWER CORD
to be ordered with the controller

PLUG	DESCRIPTION	PART NO.
A	European	615 917 201 0
B	US	615 917 203 0
C	UK	615 917 202 0
D	Chinese	615 917 206 0



Software

MODEL	PART NO.
CVI PC2000-STD 1 install	615 927 522 0
CVI PC2000 advance 1 install	615 927 523 0
CVINET WEB 1 controller	615 927 736 0
Open protocol 1 license	615 927 830 0



OPTIONAL ACCESSORIES

	PART NO.
• PC cable length 2 m (78.7")	615 917 047 0
• 37 pin D-Sub female I/O adapter	615 919 003 0
• Shelf support - Aluminium profile	615 397 403 5
• BRDx2 (Backup Rescue Device)	615 936 328 0

Fieldbus / Protocol

MODEL	PART NO.
Ethernet IP Module	615 927 594 0
Profibus DP Module	615 927 595 0
ProfiNet Module (1 port)	615 927 596 0
ProfiNet Module (2 ports)	615 927 597 0
CC-Link Module	615 927 598 0
Devicenet Module	615 927 599 0
MODBUS TCP Slave	615 927 615 0



Electric pulse nutrunners - E-PULSE

10 to 25 Nm (7.4 to 18.4 ft.lb) - 4600 rpm



ADVANCED ERGONOMICS

- Reaction free
- Soft grip and slim handle
- Low weight tool



INCREASED PRODUCTIVITY

- Max. speed 4600 rpm
- Point and shoot solution
- Pistol tool 30 % shorter time to locate bolt



OPTIMIZED MAINTENANCE

- No oil to change
- Brushless electric motor
- Long life gearbox



IMPROVED ENVIRONMENT

- Reduce CO2 emission
- Clean workspace
- Reduce energy consumption



A



C



E



B



D



F



desoutter.info/ELRT



ACCESSORIES see page 67

PIC REF	PART NUMBER	MODEL	OUTPUT DRIVE	OUTPUT RETAINING TYPE	TORQUE				ROTATIONAL MAX SPEED	LENGTH		WEIGHT		INTEGRATED CABLE
					MIN	MAX	MIN	MAX		mm	in.	kg	in.	
			in.		Nm	Nm	ft.lb	ft.lb	rpm					
A	615 165 838 0	ELRT025-P4600-10S	Sq. 3/8	Trough hole	10	25	7.4	18.4	4600	228	9.0	1.3	2.9	N/A
B	615 165 890 0	ELRT025-P4600-4Q	Hex. 1/4	Quick change chuck	10	25	7.4	18.4	4600	228	8.7	1.3	2.9	N/A
C	615 166 040 0	ELRT025T-10S-5	Sq. 3/8	Trough hole	10	25	7.4	18.4	4600	255	10.0	2.6	5.7	5 meters
C	615 166 047 0	ELRT25T-10S-1	Sq. 3/8	Trough hole	10	25	7.4	18.4	4600	255	10.0	2.1	4.6	1 meter
D	615 166 041 0	ELRT25T-4Q-5	Hex. 1/4	Quick change chuck	10	25	7.4	18.4	4600	249	9.8	2.6	5.7	5 meters
D	615 166 048 0	ELRT25T-4Q-1	Hex. 1/4	Quick change chuck	10	25	7.4	18.4	4600	249	9.8	2.1	4.6	1 meter
E	615 166 022 0	ELRT045-P4900-10S	Sq. 3/8	Trough hole	20	45	14.8	33.2	4900	244	9.6	1.7	3.7	N/A
F	615 166 042 0	ELRT045T-10S-5	Sq. 3/8	Trough hole	20	45	14.8	33.2	4900	271	10.7	3.0	6.6	5 meters
F	615 166 049 0	ELRT045T-10S-1	Sq. 3/8	Trough hole	20	45	14.8	33.2	4900	271	10.7	2.5	5.5	1 meter

Handheld electric tools

Pistol grip electric nutrunners

MODEL	PART NUMBER	OUTPUT DRIVE	COUPLE						ROTATIONAL SPEED	LENGTH		WEIGHT	
			MIN.	RECOM MENDED	MAX	MIN.	RECOM MENDED	MAX		mm	in.	kg	lb
		in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm				
ERP3L	615 165 193 0	Hex. 1/4 F	0.35	3	3.3	0.26	2.2	2.4	2000	196	7.7	1.0	2.2
ERP5L	615 165 194 0	Hex. 1/4 F	0.5	5	5.5	0.37	3.7	4.0	2000	196	7.7	1.0	2.2
ERP10L	615 165 195 0	Hex. 1/4 F	1.5	10	12	1.1	7.4	8.8	1540	196	7.7	1.1	2.4
ERP20L	615 165 196 0	Hex. 1/4 F	3.0	20	23	2.2	14.7	17	790	196	7.7	1.1	2.4
ERP20S	615 165 197 0	Hex. 1/4 F	3.0	20	23	2.2	14.7	17	1540	221	8.7	1.2	2.6
ERP30S	615 165 198 0	Sq. 3/8	5.0	30	30	3.7	22.1	22	1070	217	8.5	1.2	2.6
ERP40S	615 165 263 0	Sq. 3/8	6.0	40	42	4.4	29.5	31	680	274	10.8	1.7	3.7
ERP3LT	615 165 227 0	Hex. 1/4 F	0.35	3	3.3	0.26	2.2	2.4	2000	196	7.7	1.0	2.2
ERP5LT	615 165 228 0	Hex. 1/4 F	0.5	5	5.5	0.37	3.7	4	2000	196	7.7	1.0	2.2
ERP10LT	615 165 229 0	Hex. 1/4 F	1.5	10	12	1.1	7.4	8.8	1540	196	7.7	1.1	2.4
ERP20LT	615 165 230 0	Hex. 1/4 F	3.0	20	23	2.2	14.7	17	790	196	7.7	1.1	2.4



Angle head electric nutrunners

MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE						ROTATIONAL SPEED	LENGTH		WEIGHT	
			MIN.	RECOM MENDED	MAX	MIN.	RECOM MENDED	MAX		mm	in.	kg	lb
		in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm				
ERAL1.5-15	615 165 356 0	Sq. 3/8	2	15	18	1.5	11	13.3	1511	408	16.1	1.35	3.0
ERAL1.5-25	615 165 357 0	Sq. 3/8	3	20	25	2.2	14.7	18.4	1511	408	16.1	1.35	3.0
ERAL2.30	615 165 362 0	Sq. 3/8	5	20	30	3.7	14.7	22	1511	433	17	1.55	3.4
ERAL2.40	615 165 363 0	Sq. 3/8	7	30	40	5.2	22	29.5	1169	433	17	1.6	3.5
ERAL2-60	615 165 364 0	Sq. 3/8	8	45	60	5.9	33	44	918	443	17.5	1.7	3.7
ERAL2-80	615 165 365 0	Sq. 3/8	10	65	80	7.4	48	59	750	455	17.9	1.8	4.0
ERAL2-80 SQ1/2	615 165 406 0	Sq. 1/2	10	65	80	7.4	48	59	750	455	17.9	1.8	4.0
ERAL4-90	615 165 384 0	Sq. 1/2	15	70	90	11	51.6	66	690	552	21.7	3.5	7.7
ERAL4-110	615 165 385 0	Sq. 1/2	20	90	110	14.7	66	81	540	552	21.7	3.5	7.7
ERAL4-120	615 165 386 0	Sq. 1/2	25	115	120	18.4	85	88.4	380	552	21.7	3.5	7.7
ERAL4-140	615 165 387 0	Sq. 1/2	30	125	140	22	92	103	360	554	21.8	3.7	8.1
ERAL4-170	615 165 388 0	Sq. 1/2	35	150	170	26	110.5	125	300	554	21.8	3.7	8.1
ERAL4-225	615 165 389 0	Sq. 3/4	60	200	225	44	147	166	220	604	23.8	3.9	8.6
ERAL6-135	615 165 390 0	Sq. 1/2	30	125	135	22	92	100	640	639	25.2	6.2	13.7
ERAL6-170	615 165 441 0	Sq. 1/2	30	150	170	22	110	125	520	639	25.2	6.2	13.7
ERAL6-280	615 165 391 0	Sq. 3/4	50	250	280	37	184	206	300	661	26	6.3	13.9
ERAL6-350	615 165 392 0	Sq. 3/4	75	300	350	55	221	258	250	702	27.6	8.0	17.6
ERAL6-480	615 165 393 0	Sq. 3/4	100	400	480	73	295	354	190	702	27.6	8.0	17.6



In-line electric nutrunners

MODEL	PART NUMBER	OUTPUT DRIVE	COUPLE						ROTATIONAL SPEED	LENGTH		WEIGHT	
			MIN.	RECOM MENDED	MAX	MIN.	RECOM MENDED	MAX		mm	in.	kg	lb
		in.	Nm	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm				
ERD5J	615 165 060 0	Hex. 1/4 F	0.5	6	8	0.37	4.4	5.9	2070	379	14.9	1.3	2.9
ERDL1.5-12	615 165 366 0	Hex. 1/4 F	2	10	12	1.5	7.4	8.8	1586	365	14.4	1.3	2.9
ERDL1.5-20	615 165 367 0	Hex. 1/4 F	3	15	20	2.2	11	14.7	1586	365	14.4	1.3	2.9
ERDL1.5-30	615 165 368 0	Sq. 3/8	5	20	30	3.7	14.7	22	1586	357	14	1.3	2.9
ERDL2-40	615 165 369 0	Sq. 3/8	7	30	40	5.2	22	29.5	1159	382	15	1.5	3.3
ERDL2-50	615 165 370 0	Sq. 3/8	8	40	50	5.9	29.5	36.9	898	382	15	1.5	3.3
ERDL4-60	615 165 407 0	Sq. 3/8	20	50	60	14.7	36.8	44.2	1030	475	18.7	2.8	6.2
ERDL4-80	615 165 394 0	Sq. 1/2	20	70	80	14.7	51.6	59	650	475	18.7	2.8	6.2
ERDL4-135	615 165 395 0	Sq. 1/2	30	120	135	22.1	88.4	99.6	400	502	19.8	3.3	7.3
ERDL6-170	615 165 396 0	Sq. 1/2	40	150	170	29.5	110.5	125.3	530	590	23.2	5.9	13
ERDL6-220	615 165 397 0	Sq. 3/4	50	200	220	36.8	147.4	162	380	597	23.5	5.9	13
ERDL6-250	615 165 398 0	Sq. 3/4	60	230	250	44.2	169	184	290	597	23.5	5.9	13



ACCESSORIES
see page 67



MultiCVIL II - Main Features

MULTICHANNEL SYSTEM

Drive up to 32 fixtured spindles
One CVIL Master + x times CVIL Slave

Through CVIPC2000 (to Master only)

Cycles Phases management

- 31 different cycles
- Combines up to 20 phases in a fastening cycle

Data collection

- CVIPC2000
- CVINET WEB

Fieldbuses

- By additional modules
- By Ethernet ports
- Flexible mapping

Isagraf, embedded PLC software to manage:

- Assembly station
- HMI

FIXTURED SPINDLES

- From 1 to 1900Nm
- EME straight
- EMEOF with Offset for close center distance application
- EMEL "L" shape reduces the height of the tool
- High accuracy
- A10 class
- Digital communication between the tool and controller
- Memory chip with all characteristics of the tool: transducer sensitivity, gear ratio, maintenance info, etc...

ONE CABLE

- Motor power
- Digital connection of the transducer and memory device
- Up to 45 meters
- Design to be used in robot applications



Flexibility of tightening process

EASY PROGRAMMING OF THE TIGHTENING SEQUENCE WITH FULL SYNCHRONIZATION

Run Down phase

Spindle 1-2-3-4-5-6-7-8-9-10

Final Speed phase

Spindle 1-2

Final Speed phase

Spindle 3-4-5-6

Final Speed phase

Spindle 7-8-9-10

Automatic Repair Action

Reverse all spindles and retry once
Jump to phase 2

End of the cycle

Reporting



CVIPC



MAIN FUNCTIONS	MULTICVIL II
Number of channels	1 to 32
Number of cycles	31
Number of phases	20
Batch count	999
Bar code reading via RS232 port	
Tightening results	
Torque + Angle + Date + Time + Report	up to 32 000
Number of curves (per channel)	10
Tightening strategies	
Torque control + angle monitoring	✓
Angle control + torque monitoring	✓
T control + (Angle + torque rate) monitoring	✓
Angle control + (Torque + torque rate) monitoring	✓
Yield point strategy	✓
Stall torque	✓
Prevailing torque	✓
Current monitoring	✓
Reverse at Angle control	✓
Tightening connectivity	
Input/Output	8/8
RS232 port	OK
Ethernet RJ45	8 sockets
Fieldbuses	Optional module
Embedded PLC software	OK
IP54	Optional module
Emergency stop	2 channels

Controllers - MultiCVIL II



MODEL	PART NUMBER	CONSUMPTION (CURRENT)		MAINS SUPPLY	DIMENSIONS						WEIGHT	
		115 V	230 V		WIDTH		HEIGHT		DEPTH		kg	lb.
CVIL II M (Master)	615 932 682 0	4A	2A	50/60 hertz	mm	in.	mm	in.	mm	in.	5.9	13
CVIL II S (Slave)	615 932 683 0	4A	2A	Single phase	130	5.1	278	10.9	291	11.5	5.9	13
Kit Combox V2 Multi CVIL2	615 929 050 0											

OPTIONAL ACCESSORIES



	PART NO.
• Kit IP54	615 932 684 0

Fieldbus module

MODEL	PART NO.
• Ethernet IP Module	615 927 594 0
• Profi bus DP Module	615 927 595 0
• ProfiNet Module (1 port)	615 927 596 0
• ProfiNet Module (2 ports)	615 927 597 0
• Devicenet Module	615 927 599 0
• MODBUS TCP Slave	615 927 615 0
• Shelf support - Aluminium profile	615 397 403 5

Kit version



One CVIL-Master



n.CVIL-Slaves



Software CVIPC 2000
+ Power cord



Multicombox

Contact your Desoutter representative for assistance



Also available:
Specially designed a frame to
secure controllers and ensure
safe and tidy wiring

Turn Key Solution



One CVIL-Master



n.CVIL-Slaves

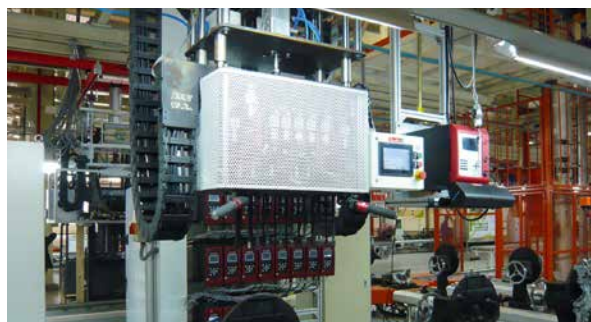


Software CVIPC 2000
+ Network cables & Power cord



One power box supply with
E Stop - Ethernet switches
Multicombox - Circuit breakers

**Powerbox depending
on power supply**



Fixtured electric spindles

High durability of EME tools

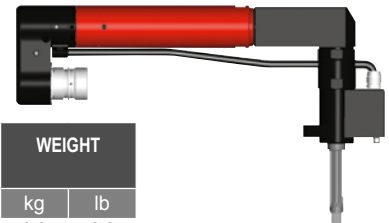
- Long life gear boxes
- Brushless motor
- High output torque transducer for a larger torque range

MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE		ROTATIONAL SPEED	MIN. CENTRE DISTANCE		LENGTH		WEIGHT	
		in.	Nm	ft.lb	rpm	mm	in.	mm	in.	kg	lb
EME35-10J	615 165 423 0	3/8	1-8	0.7-5.9	2067	43.2	1.7	283	11.1	1.7	3.7
EME35-20J	615 165 424 0	3/8	4-15	2.1-11	2067	43.2	1.7	308	12.1	2.0	4.4
EME38-10J	615 165 425 0	3/8	9-30	6.6-22	1287	43.2	1.7	355	14	2.0	4.4
EME38-20J	615 165 426 0	3/8	10-45	7.4-33	1092	43.2	1.7	355	14	2.0	4.4
EME51-10J	615 165 427 0	1/2	20-70	15-52	650	51.2	2.0	374	14.7	2.9	6.4
EME51-20J	615 165 428 0	1/2	30-135	22-99	403	51.2	2.0	401	15.8	3.5	7.7
EME60-10J	615 165 429 0	1/2	20-95	15-70	923	60.2	2.4	431	16.9	4.8	10.6
EME60-20J	615 165 430 0	3/4	50-175	37-129	507	60.2	2.4	431	16.9	4.8	10.6
EME60-30J	615 165 431 0	3/4	70-250	52-184	299	60.2	2.4	467	18.4	5.2	11.5



EMEL shape for close access

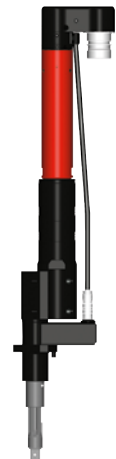
MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE		ROTATIONAL SPEED	MIN. CENTRE DISTANCE		LENGTH		WEIGHT	
		in.	Nm	ft.lb	rpm	mm	in.	mm	in.	kg	lb
EMEL38-20J	615 165 517 0	3/8	10-45	7.4-33.2	1092	43.2	1.7	140.5	5.5	3.0	6.6
EMEL51-20J	615 165 518 0	1/2	30-135	22-99.5	403	51.2	2.0	166	6.5	4.0	8.8
EMEL60-20J	615 165 519 0	3/4	50-175	37-129	481	60.2	2.4	178	7	6.0	13.2
EMEL60-30J	615 165 520 0	3/4	70-250	52-184	312	60.2	2.4	178	7	6.0	13.2



EME Offset with torque transducer in line with the output shaft

Increase access by using smallest CC distances offered

MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE		ROTATIONAL SPEED	MIN. CENTRE DISTANCE		LONGUEUR		LENGTH	
		in.	Nm	ft.lb	rpm	mm	in.	mm	in.	kg	lb
EME24-20 OF	615 165 512 0	3/8	4-20	2.9-15	1225	24	0.95	375.2	14.8	2.7	5.9
EME26-50 OF	615 165 513 0	3/8	7-50	5.2-40	985	26	1.02	387.5	15.2	2.7	5.9
EME30-80 OF	615 165 514 0	1/2	10-80	7.4-59	580	30	1.18	414.3	16.3	3.9	8.6
EME36-140 OF	615 165 515 0	1/2	19-140	14-103	375	36	1.42	454.4	17.7	4.7	10.4
EME40-180 OF	615 165 516 0	3/4	25-180	18-133	475	40	1.57	481.7	18.9	6.4	14.1
EME44-300 OF	615 165 602 0	3/4	80-300	59-221	217	45	1.77	632.5	24.9	11	24.2

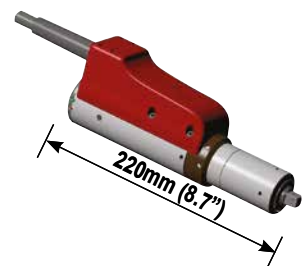


Fixtured electric spindles ERF

For your assembly applications, Desoutter offers a range of fixtured electric spindles, transducerized or current controlled with integrated cable

MODEL	PART NUMBER	TORQUE RANGE	
		Nm	ft.lb
ERF3L	615 165 286 0	0.35 - 3	0.26 - 2.2
ERF5L	615 165 287 0	0.5 - 5	0.37 - 3.7
ERF10L	615 165 288 0	3 - 10	2.2 - 7.4
ERF20L	615 165 289 0	5 - 20	3.7 - 14.8
ERF20S	615 165 290 0	5 - 20	3.7 - 14.8
ERF30S	615 165 291 0	7 - 30	5.2 - 22.1

For further information about the technical data see pages 61 and 73



ACCESSORIES
see page 67

Accessories

ERP / ERAL / ERDL

ACCESSORIES INCLUDED

ITEM		ERP	PART NO. ERAL	ERDL
1	Side handle	467033		
2	Suspension bail	467003		
3	Horizontal bail ERAL - ERDL1.5 / 2		615 396 562 0	615 396 562 0
4	Reaction bar ring ERDL1.5 / 2			615 396 551 5
4	Reaction bar ERDL4			615 595 259 0
4	Reaction bar ERDL6			615 396 297 0
4	Reaction bar ERAL6- 350/-480		615 396 302 0	

OPTIONAL ACCESSORIES

ITEM		ERP	PART NO. ERAL	ERDL
5	Long lever start (included with ERD5J)			615 396 584 0
6	2nd lever start ERAL-ERDL1.5 / 2		615 396 553 0	615 396 553 0
7	High resistance side handle ERP	615 397 012 0		
7	Side reaction handle ERAL-ERDL1.5 / ERDL2		615 396 554 0	615 396 554 0
8	Suspension ring ERAL1.5-2		615 571 063 0	
8	Suspension ring ERAL4		615 571 070 0	
8	Suspension ring ERAL6		615 571 064 0	
9	Reaction bar ring for ERAL2-80		615 396 622 0	
9	Reaction bar ring ERAL4-90/170 / ERAL6-135/170		615 396 227 0	
9	Reaction bar ring ERAL4-225		615 396 230 0	
10	Rotary connector 90° ER		615 396 299 0	615 396 299 0
	• Extension 200mm ERA(D)L1.5-2		615 396 865 0	615 396 865 0
	• Extension 200mm ERA(D)L4		615 396 866 0	615 396 866 0
11	Mounting plate with telescopic spindle ERDL1.5 / ERDL2			615 396 547 0

Plastic cover

12	Plastic cover ERP.S	615 573 074 0		
12	Plastic cover ERP.L	615 573 075 0		
12	Plastic cover ERP.LT	615 573 076 0		
13	Plastic cover AH1 for ERAL1.5-15 / 25 / ERAL2-30 / 40	615 573 064 0		
13	Plastic cover AH2 for ERAL2-60		615 573 065 0	
13	Plastic cover AH3 for ERAL2-80		615 573 066 0	
14	Plastic cover AH4 for ERAL4-90 / 110 / 120		615 573 069 0	
14	Plastic cover AH5 for ERAL4-140 / 170 / ERAL6-135		615 573 070 0	
14	Plastic cover AH6 for ERAL4-225		615 573 071 0	
15	Plastic cover for ERDL1.5 / 2			615 573 067 0

Desoutter Tool Holster

16	DTH TWIN (single) without rail	615 811 411 0	615 811 411 0	
17	DTH TWIN rail kit with 2 Twin holders	615 811 412 5	615 811 412 5	
18	DTH TWIN stand kit with base & 2 Twin holders	615 811 413 5	615 811 413 5	
19	DTH90	615 812 119 0		

CABLE FOR ERP / ERAL / ERDL TOOLS	PART NO.
Nutrunner cable 5m (16ft)	615 917 492 0
Nutrunner cable 10m (32ft)	615 917 494 0
Nutrunner cable 15m (49.2ft)	615 917 495 0

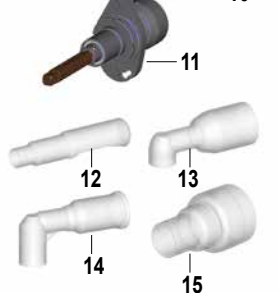
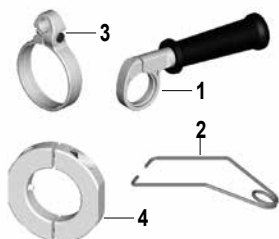
HEAVY DUTY CABLE FOR ERP / ERAL / ERDL TOOLS	PART NO.
Cable 2.5m (8.2ft)	615 917 570 0
Cable 5m (16ft)	615 917 571 0
Cable 10m (32ft)	615 917 572 0

HEAVY DUTY EXTENTION CABLE FOR ERP / ERAL / ERDL TOOLS	PART NO.
Ext. cable 5m (16ft)	615 917 083 0
Ext. cable 10m (32ft)	615 917 084 0
Ext. cable 15m (49.2ft)	615 917 085 0
Ext. cable 20m (65.6ft)	615 917 086 0
Ext. cable 25m (82ft)	615 917 087 0
Ext. cable 30m (98ft)	615 917 088 0

SOCKET TRAY

- Socket tray (sockets not included) 615 936 005 0
- 37 pin D-Sub female I/O adapter 615 919 003 0

CABLE LENGTH:	1m (3.3ft)	5m (16ft)	10m (32.8ft)	15m (49.2ft)
• Cable for sockets tray	615 917 241 0	615 917 242 0	615 917 244 0	615 917 245 0





ERS / ERSa / ERSF / ELRT

OPTIONAL ACCESSORIES

ITEM		ERS.	ELRT
1	Long lever Kit	615 321 254 0	
2	Suspension yoke kit	615 791 080 0	
3	Reaction handle	615 397 016 0	
4	Plastic cover for ELRT		615 211 012 0
5	Pistol grip kit for ERS	615 390 059 0	
6	D53-25 Linear arm (tool clamp included) - (see page 148)	615 810 702 0	
7	D53-25S Folder arm (tool clamp included) - (see page 148)	615 810 703 0	
8	• Torque tubes	see page 169	
9	Bit Tray	615 929 025 0	615 929 025 0
10	Spring suspension balancer	50522	50542
11	Tool Holster DTH90		615 812 119 0
12	ERS Module	615 936 537 0	
	Sleeve drive socket	see page 297/298/299	

EXTENSION CABLE FOR ERS TOOLS	PART NO.
Ext. cable 5m (16ft)	615 917 222 0
Ext. cable 10m (32ft)	615 917 224 0



HEAVY DUTY THIN CABLE FOR ELRT TOOLS	PART NO.
Cable 5m (16ft)	615 917 641 0

HEAVY DUTY EXTENSION CABLE FOR ELRT TOOLS	PART NO.
Ext. cable 5m (16ft)	615 917 083 0
Ext. cable 10m (32ft)	615 917 084 0
Ext. cable 15m (49.2ft)	615 917 085 0
Ext. cable 20m (65.6ft)	615 917 086 0
Ext. cable 25m (82ft)	615 917 087 0
Ext. cable 30m (98ft)	615 917 088 0

EME / EMEL

OPTIONAL ACCESSORIES

TRANSDUCER-HOLDER FOR EME TOOL	PART NO.
• 3/8" square drive EME35/EME38	615 396 426 0
• 1/2" square drive EME51/EME60.10	615 396 427 0
• 3/4" square drive EME60.20/EME60.30	615 396 428 0



EME ADAPTATION ON EXISTING APPLICATION (SEPARATED CABLE TORQUE + MOTOR CABLE)	PART NO.
• EME adaptation on old cable	615 917 539 0



CABLE FOR EME TOOLS - MULTICVIL & CVIL II	PART NO.
Cable 5m (16ft)	615 917 541 0
Cable 10m (32ft)	615 917 542 0
Cable 15m (49.2ft)	615 917 543 0

EXTENSION CABLE FOR EME TOOLS - MULTICVIL & CVIL II	PART NO.
Ext. cable 5m (16ft)	615 917 083 0
Ext. cable 10m (32ft)	615 917 084 0
Ext. cable 15m (49.2ft)	615 917 085 0
Ext. cable 20m (65.6ft)	615 917 086 0
Ext. cable 25m (82ft)	615 917 087 0
Ext. cable 30m (98ft)	615 917 088 0

Protocol, Software

MODEL	PART NUMBER
Reporting to toolsnet open protocol 5 licences	615 927 577 0
Reporting to toolsnet open protocol 10 licences	615 927 578 0
Reporting to toolsnet open protocol 25 licences	615 927 579 0
Reporting to toolsnet open protocol 50 licences	615 927 580 0

MODEL	PART NUMBER
Open protocol 1 licence	615 927 830 0
Open protocol 5 licences	615 927 581 0
Open protocol 10 licences	615 927 582 0
Open protocol 25 licences	615 927 583 0
Open protocol 50 licences	615 927 584 0

MODEL	PART NUMBER
CVI PC2000 standard 1 install	615 927 522 0
CVI PC2000 standard 5 install	615 927 526 0
CVI PC2000 standard 25 install	615 927 537 0

MODEL	PART NUMBER
CVI PC2000 advanced 1 install	615 927 523 0
CVI PC2000 advanced 5 install	615 927 535 0
CVI PC2000 advanced 25 install	615 927 538 0



CVIC Range Current controlled



Easy to integrate

Small size and smooth design for a simple installation.

Speed up the set up time by using the self learning process. Provides automatic set up for the tool to optimize your fastening process.



Multi torque capability

Replace multiple pneumatic tools with one electric tool per station.



Fastening quality guaranteed in all your products

Set up a batch count to ensure all bolts are tightened with correct strategy.



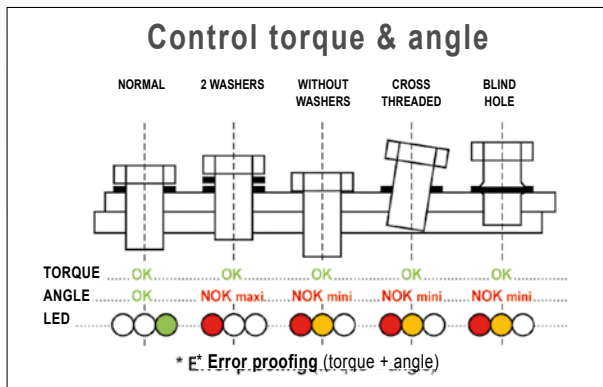
Batch NOK



Batch OK

Quality of tightening

Control torque and angle with multi phases strategies.



Advanced ergonomics

Maximize your operators' comfort with ergo stop and direct reporting led in the controller and on the tool.



Open to peripherals

Increase your assembly quality and process through barcode reader, socket tray or bit tray. Control tightening order with our positioning system.

Technical features

CVIC Range

MAIN FUNCTIONS	NORMAL		ECP HIGH TORQUE	
	L STANDARD	H ADVANCED	L STANDARD	H ADVANCED
Quick cycle with self-learning of the joint	✓	✓		
Number of cycles in the controller	1	15	1	15
Number of phases	15	15	15	15
Batch count (999 OK reports)	✓	✓	✓	✓

TIGHTENING RESULTS		
Torque + Angle + Date + Time + Report	5000 to 20000 according configuration	

TYPES OF PHASES IN A CYCLE		
Search Sequence	✓	✓
Run Down speed	✓	✓
Final speed	✓	✓
Run reverse	✓	✓
Action on NOK	✓	✓
Prevailing torque monitoring	✓	✓

FINAL SPEED STRATEGIES		
Torque control + Angle monitoring	✓	✓
Angle control + Torque monitoring	✓	✓

DISPLAY AND PROGRAMMING		
Display		
LCD display	✓	✓
Keyboard		
8 button keypad	✓	✓
Reports		
LEDs	6	6
PC Software Windows		
program cycles, collect, display and save results, run statistics, curves		
CVIPC2000 *: Connection 'point to point' (RS232)	✓	✓
Connection through ethernet	✓	✓

*All CVIPC2000 versions are compatible with CVICs

MAINTENANCE		
Access to all tool parameters (tool memory)	✓	✓
Autotest of the complete system	✓	✓
Spindle rotation test	✓	✓
Input/Output selection	✓	✓
Date of the last maintenance operation	✓	✓
Total and partial cycle counters	✓	✓

PERIPHERALS		
Input/Output	8/8	8/8
Serial port RS232 (PC transfer, Bar code, Report output)	✓	✓
Ethernet connection (CVIPC2000 / CVInet)	✓	✓

MODEL		
CONTROLLER for low torque tools	CVIC II L-2	CVIC II H-2
CONTROLLER for the other tools	CVIC II L-4	CVIC II H-4

MAINS SUPPLY		
Single-phase, automatic switching 110V/230V	✓	✓



Controllers - CVIC

Electric current control



CVIC II-L2
CVIC II-H2



CVIC II-L4
CVIC II-H4

ECS (M20)
0.12 - 16 Nm



ECSA
0.55 - 11.5 Nm



ECSF
0.12 - 16 Nm



ECPL/LT
1 - 20 Nm



ECFL
1 - 20 Nm



ECA15
5 - 15 Nm



ECD5
2 - 6 Nm



MC35-10
2.5 - 8 Nm



ECA
7 - 200 Nm



ECD
7 - 120 Nm



ECP
7 - 40 Nm



ECFS
7 - 30 Nm



ECP HT
30 - 4000 Nm



MC
5 - 135 Nm



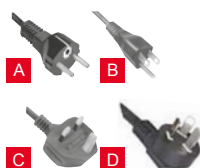
MODEL	PART NUMBER	TOOLS	CONSUMPTION (current)		MAINS SUPPLY	DIMENSIONS						WEIGHT	
			115V	230V		WIDTH		HEIGHT		DEPTH		kg	lb.
						mm	in.	mm	in.	mm	in.		

CVIC II CONTROLLERS

CVIC II-L2	615 932 676 0	ECS / ECPL(T) / ECD5 / MC35-10 / ECA15	4A	2A	Single-phase	130	5.1	278	10.9	291	11.5	5	11
CVIC II-H2	615 932 677 0	ECS / ECPL(T) / ECD5 / MC35-10 / ECA15	4A	2A	100 to 250 V	130	5.1	278	10.9	291	11.5	5	11
CVIC II-L4	615 932 678 0	Other tools	8A	4A	Single-phase	130	5.1	278	10.9	291	11.5	5	11
CVIC II-H4	615 932 679 0	Other tools	8A	4A	100 to 250 V	130	5.1	278	10.9	291	11.5	5	11

START-UP KIT to be ordered with the controller
Including: **Power cable and plug**

PLUG	DESCRIPTION	PART NO.
A	European	615 917 201 0
B	US	615 917 203 0
C	UK	615 917 202 0
D	Chinese	615 917 206 0



OPTIONAL ACCESSORIES

	PART NO.
• PC cable Length 2m (78.7")	615 917 047 0
• Printer cable Length 2m (78.7")	615 917 011 0
• 37 pin D-Sub female I/O adapter	615 919 003 0
• BRDx2 (Backup Rescue Device)	615 936 328 0

Fieldbus / Protocol

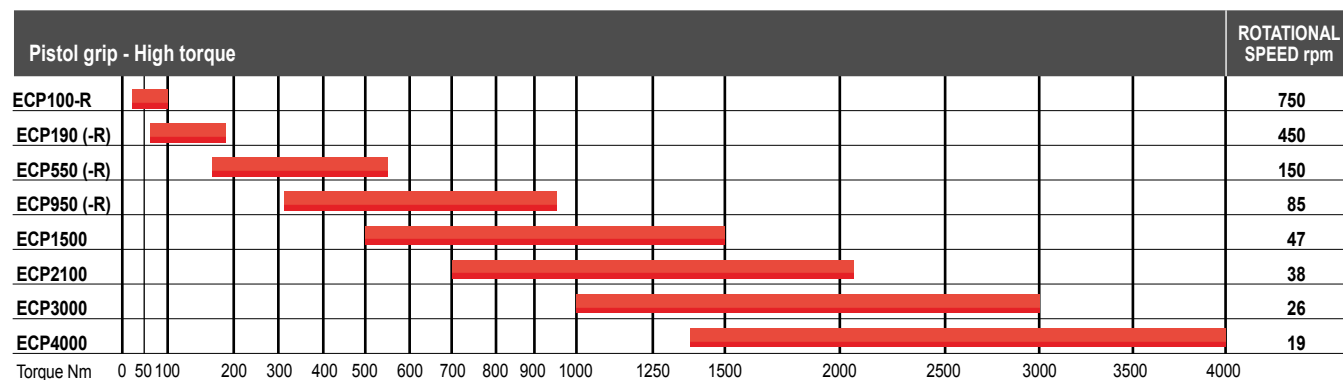
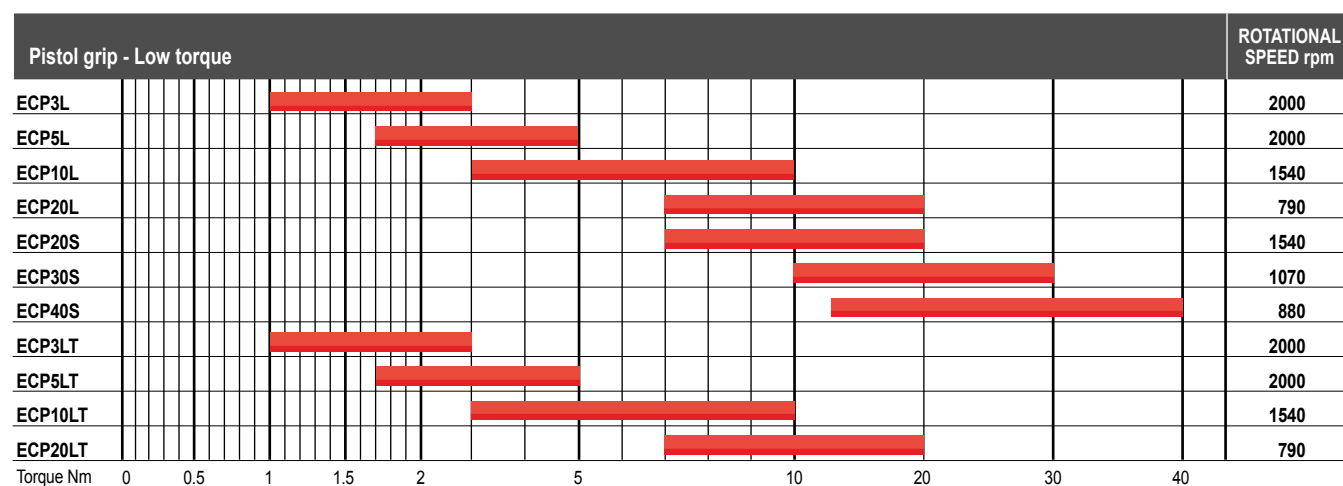
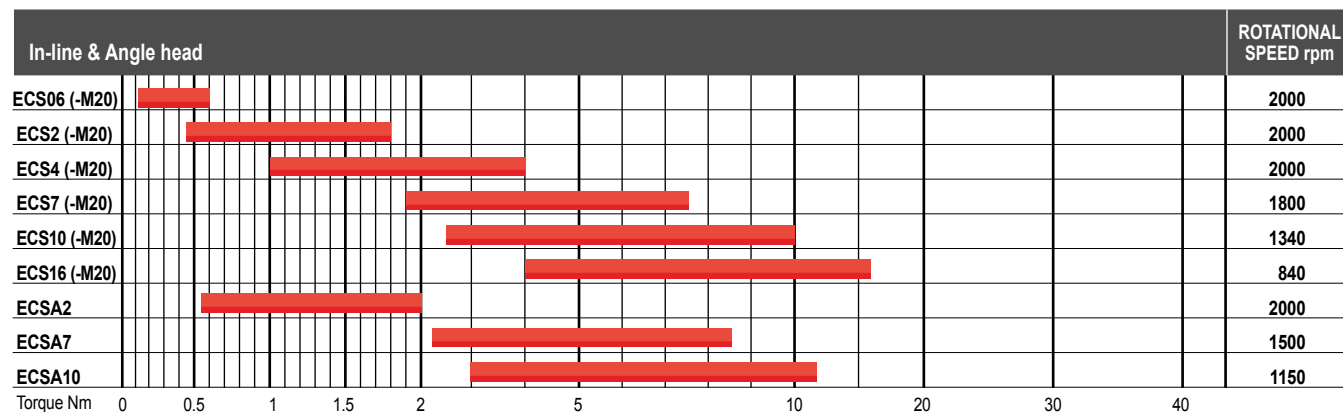
MODEL	PART NO.
Ethernet IP Module	615 927 594 0
Profibus DP Module	615 927 595 0
ProfiNet Module (1 port)	615 927 596 0
ProfiNet Module (2 ports)	615 927 597 0
CC-Link Module	615 927 598 0
Devicenet Module	615 927 599 0
MODBUS TCP Slave	615 927 615 0

Software

MODEL	PART NO.
CVIPC2000 for CVIS/CVIC 1 Install	615 927 521 0
CVIPC2000 for CVIS/CVIC 2 Install	615 927 534 0
CVINET WEB 1 controller	615 927 736 0
Open protocol 1 license	615 927 830 0

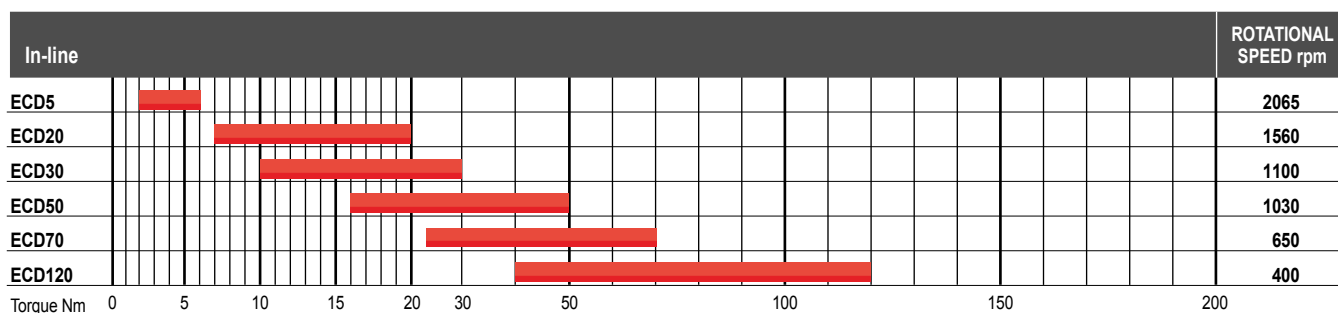
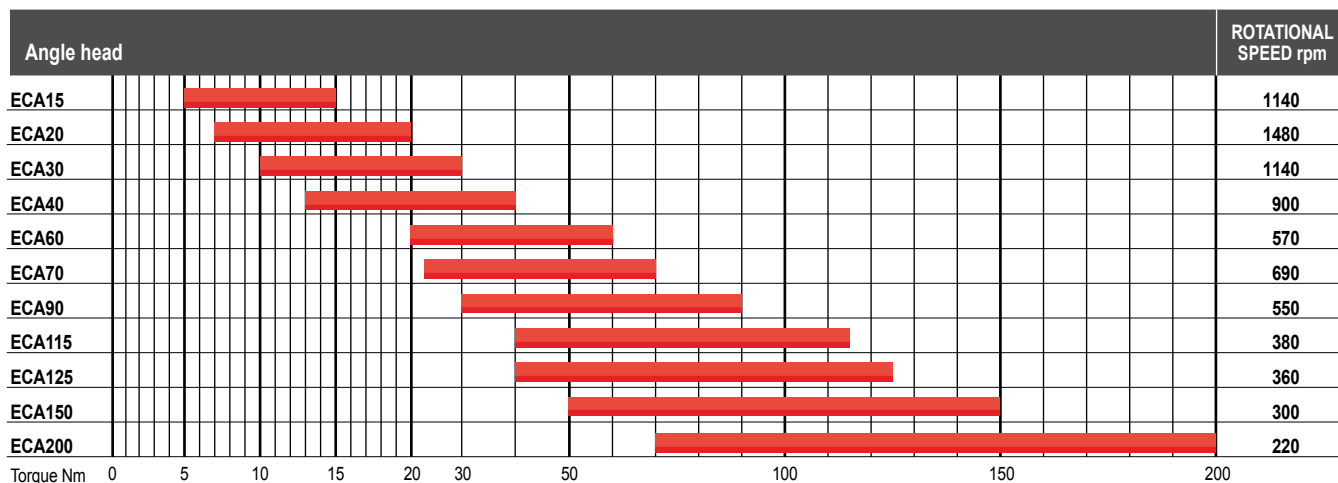
Torque range

Performances of Portable electric nutrunners ECS, ECSA and ECP Series

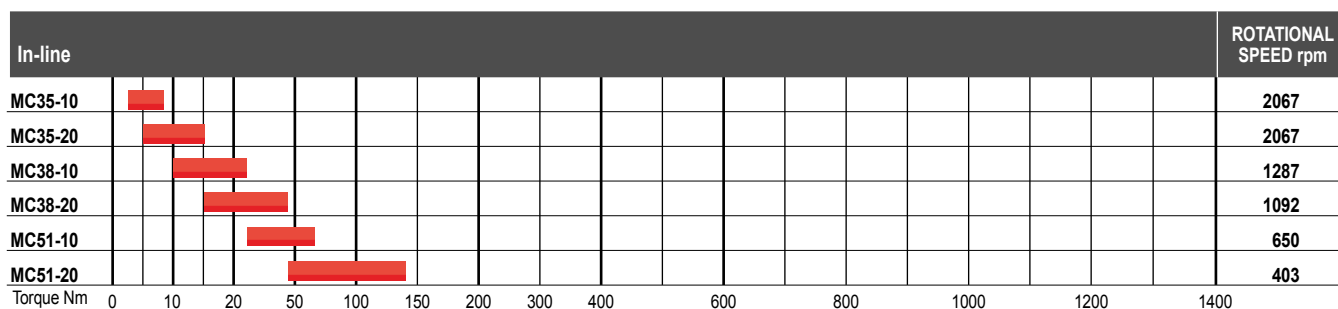
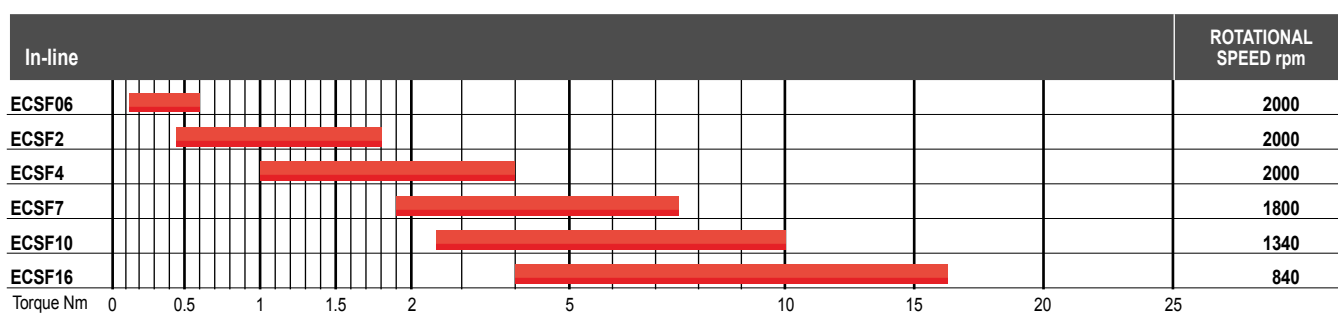


Torque range

Performances of Portable electric nutrunners ECA and ECD Series



Performances of Fixtured electric spindles ECSF and MC Series



Electric screwdrivers - CVIC

0.12 to 16 Nm (1.1 to 141.6 in.lb) - 840 to 2000 rpm

The ECS series offers outstanding torque accuracy and operator ergonomics, making it the ideal choice for assembly operations that require a high level of quality



Improve your joint visibility



Adapt your tool with accessories



A



B



C



OK



NOK



BATCH OK

Get the best tightening feedback directly on the tool



ACCESSORIES
see pages 84-85

PIC REF	MODEL	PART NUMBER	OUTPUT HEX	TORQUE RANGE				ROTATIONAL SPEED	LENGTH		WEIGHT	
				MIN.	MAX.	MIN.	MAX.		mm	in.	kg	lb.
				Nm	Nm	in.lb	in.lb	rpm				

ELECTRIC SCREWDRIVERS - IN-LINE

A	ECS06	615 165 442 0	Hex. 1/4 F	0.12	0.6	1.1	5.3	2000	285	11.2	0.6	1.3
A	ECS2	615 165 443 0	Hex. 1/4 F	0.45	1.8	4	15.9	2000	285	11.2	0.6	1.3
A	ECS4	615 165 445 0	Hex. 1/4 F	1	4	8.8	35.4	2000	285	11.2	0.6	1.3
A	ECS7	615 165 446 0	Hex. 1/4 F	1.9	7.5	16.8	66.4	1800	285	11.2	0.7	1.5
A	ECS10	615 165 444 0	Hex. 1/4 F	2.5	10	22.1	88.5	1340	285	11.2	0.7	1.5
A	ECS16	615 165 459 0	Hex. 1/4 F	4	16	35.4	141.6	840	285	11.2	0.7	1.5

ELECTRIC SCREWDRIVERS - IN-LINE

B	ECS06-M20	615 165 454 0	Hex. 1/4 F	0.12	0.6	1.1	5.3	2000	285	11.2	0.6	1.3
B	ECS2-M20	615 165 455 0	Hex. 1/4 F	0.45	1.8	4	15.9	2000	285	11.2	0.6	1.3
B	ECS4-M20	615 165 456 0	Hex. 1/4 F	1	4	8.8	35.4	2000	285	11.2	0.6	1.3
B	ECS7-M20	615 165 457 0	Hex. 1/4 F	1.9	7.5	16.8	66.4	1800	285	11.2	0.7	1.5
B	ECS10-M20	615 165 458 0	Hex. 1/4 F	2.5	10	22.1	88.5	1340	285	11.2	0.7	1.5
B	ECS16-M20	615 165 460 0	Hex. 1/4 F	4	16	35.4	141.6	840	285	11.2	0.7	1.5

ELECTRIC SCREWDRIVERS - ANGLE HEAD

C	ECSA2	615 165 447 0	Hex. 1/4 F	0.55	2.2	4.9	19.5	2000	329	12.9	1	2.2
C	ECSA7	615 165 448 0	Hex. 1/4 F	2.2	8.5	19.5	75.2	1500	329	12.9	1	2.2
C	ECSA10	615 165 449 0	Hex. 1/4 F	3	11.5	26.6	101.8	1150	329	12.9	1	2.2



Pistol grip electric nutrunners - CVIC

1 to 40 Nm (0.7 to 29.1 ft.lb) - 790 to 2000 rpm



A



B



C



D



ACCESSORIES
see pages 84-85

PIC REF	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE RANGE		ROTATIONAL SPEED AT		LENGTH		WEIGHT	
			in.	Nm	ft.lb	rpm/230 V	rpm/110 V	mm	in.	kg	lb.
A	ECP3L	615 165 199 0	Hex. 1/4F	1.0-3.0	0.7-2.2	2000	2000	196	7.7	1.0	2.2
A	ECP5L	615 165 200 0	Hex. 1/4F	1.7-5.0	1.3-3.7	2000	2000	196	7.7	1.0	2.2
A	ECP10L	615 165 201 0	Hex. 1/4F	3.0-10	2.2-7.4	1540	1540	196	7.7	1.1	2.4
A	ECP20L	615 165 202 0	Hex. 1/4F	7.0-20	5.2-15	790	790	196	7.7	1.1	2.4
B	ECP20S	615 165 203 0	Hex. 1/4F	7.0-20	5.2-15	1540	1540	221	8.7	1.2	2.6
B	ECP30S	615 165 204 0	Sq. 3/8	10-30	7.4-22	1070	1070	217	8.5	1.2	2.6
C	ECP40S	615 165 262 0	Sq. 3/8	13-40	9.6-29	880	880	263	10.4	2.1	4.5
D	ECP3LT	615 165 231 0	Hex. 1/4F	1.0-3	0.7-2.2	2000	2000	196	7.7	1.0	2.2
D	ECP5LT	615 165 232 0	Hex. 1/4F	1.7-5	1.3-3.7	2000	2000	196	7.7	1.0	2.2
D	ECP10LT	615 165 233 0	Hex. 1/4F	3.0-10	2.2-7.4	1540	1540	196	7.7	1.1	2.4
D	ECP20LT	615 165 234 0	Hex. 1/4F	7.0-20	5.2-15	790	790	196	7.7	1.1	2.4

Electric high torque pistol grip - CVIC

30 to 4000 Nm (22 to 2950 ft.lb) - 19 to 750 rpm



For your quality-critical applications

Impact and impulse tools have been a production favourite for many years.

This current controlled swing bar tool allows you a 1st step to switch from pneumatic to DC tools, error-proof your high torque tightenings in medium duty applications, save on energy costs and reduce your carbon footprint.

Offering all benefits of Electric Brushless Tools

- Maintenance free motor
- Less than 70 dB(A)
- Environment friendly (no air, no oil)
- Repeatability and no need to re-torque
- One Tool = up to 15 different torque settings



PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE				ROTATIONAL SPEED	LENGTH		WEIGHT	
				MIN.	MAX.	MIN.	MAX.		mm	in.	kg	lb.
			in.	Nm	Nm	ft.lb	ft.lb	rpm				

NON REVERSIBLE

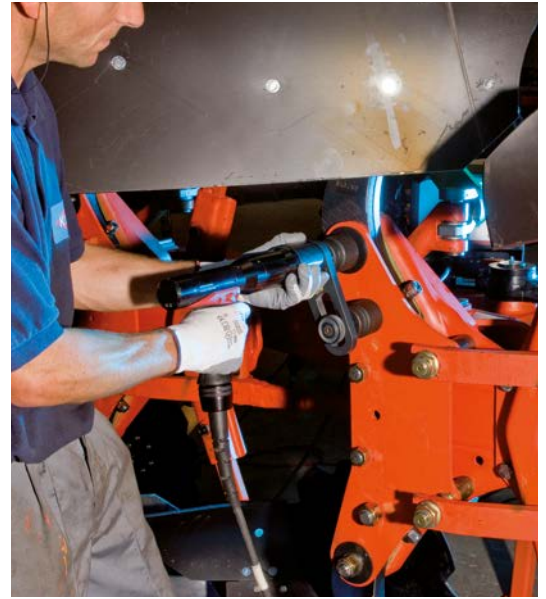
A	ECP190	615 165 399 0	1/2	60	190	44	140	450	314	12.4	3.0	6.6
A	ECP550	615 165 400 0	3/4	175	550	129	405	150	351	13.8	3.7	8.1
A	ECP950	615 165 401 0	1	310	950	228	700	85	379	14.9	4.0	8.8
B	ECP1500	615 165 524 0	1	500	1500	368	1105	47	413	16.3	6.9	15.2
C	ECP2100	615 165 525 0	1-1/2	700	2100	516	1548	38	485	19.1	14.2	31.3
C	ECP3000	615 165 526 0	1-1/2	1000	3000	737	2212	26	485	19.1	14.2	31.3
C	ECP4000	615 165 527 0	1-1/2	1330	4000	980	2950	19	485	19.1	14.2	31.3

REVERSIBLE

D	ECP100-R	615 165 523 0	1/2	30	100	22	73	750	328	12.9	3.4	7.5
D	ECP190-R	615 165 451 0	1/2	60	190	44	140	450	328	12.9	3.4	7.5
D	ECP550-R	615 165 452 0	3/4	175	550	129	405	150	365	14.4	4.3	9.5
D	ECP950-R	615 165 453 0	1	310	950	228	700	85	395	15.6	4.6	10.2



Electric high torque pistol grip - CVIC



OPTIONAL ACCESSORIES	1	2	3	4	5	6
	STRAIGHT REACTION BAR	BLANK REACTION BAR	S TYPE REACTION BAR	SLIDING DRIVE REACTION BAR	SUSPENSION BAIL	PROTECTION SLEEVE
ECP100-R / ECP190 / ECP190-R	615 596 009 5	615 596 010 0	615 596 011 0	N/A	615 571 072 0	615 573 131 5
ECP550 / ECP550-R	615 596 012 5	615 596 013 0	615 596 015 0	615 596 014 0	615 571 072 0	615 573 131 5
ECP950 / ECP950-R	615 596 016 5	615 596 017 0	615 596 019 0	615 596 018 0	615 571 072 0	615 573 131 5
ECP1500	615 596 109 5	615 596 110 0	615 596 112 0	615 596 111 0	615 571 072 0	615 573 131 5
ECP2100 / ECP3000 / ECP4000	N/A	INCLUDED	N/A	N/A	N/A	615 573 131 5



Angle head electric nutrunners - CVIC

5 to 200 Nm (3.7 to 147 ft.lb) - 200 to 1480 rpm



A



B

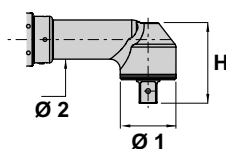


C



D

MODEL	H		Ø1		Ø2	
	mm	in.	mm	in.	mm	in.
ECA15	45.5	1.8	28	1.10	27	1.06
ECA20 - ECA30	45.5	1.8	28	1.10	27	1.06
ECA40	51.5	2.0	35	1.40	27	1.06
ECA60	57.5	2.3	40	1.60	30.5	1.20
ECA70- ECA90 - ECA115	66.0	2.6	45	1.77	37	1.46
ECA125 - ECA150	69.0	2.7	50	1.97	42	1.65
ECA200	86.0	3.4	60	2.36	42	1.65



ACCESSORIES
see pages 84-85

PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE		ROTATIONAL SPEED AT		LENGTH		WEIGHT	
			in.	Nm	ft.lb	rpm/230 V	rpm/110 V	mm	in.	kg	lb.
A	ECA15	615 165 192 0	3/8	5-15	3.7-11	1140	1140	406	16.0	1.3	2.9
A	ECA20	615 165 100 0	3/8	7-20	5.2-15	1480	1480	431	16.9	1.7	3.7
A	ECA30	615 165 101 0	3/8	10-30	7.4-22	1140	1140	431	16.9	1.7	3.7
B	ECA40	615 165 102 0	3/8	13-40	9.6-29	900	900	441	17.4	1.8	4.0
B	ECA60	615 165 103 0	3/8	20-60	14.7-44	570	570	453	17.8	1.9	4.2
C	ECA70	615 165 104 0	1/2	23-70	16.9-52	690	690	538	21.2	3.3	7.3
C	ECA90	615 165 105 0	1/2	30-90	22.1-66	550	550	538	21.2	3.3	7.3
C	ECA115	615 165 106 0	1/2	39-115	28.7-85	380	380	538	21.2	3.3	7.3
C	ECA125	615 165 188 0	1/2	40-125	29.5-92	360	360	541	21.3	3.6	7.9
C	ECA150	615 165 189 0	1/2	50-150	36.8-111	300	300	541	21.3	3.6	7.9
D	ECA200	615 165 190 0	3/4	70-200	51.6-147	200	200	591	23.3	3.8	8.4



In-line electric nutrunners - CVIC

2 to 120 Nm (1.5 to 88 ft.lb) - 400 to 2065 rpm



A



B



C



ACCESSORIES
see pages 84-85

PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE		ROTATIONAL SPEED AT		LENGTH		WEIGHT	
				in.	Nm	ft.lb	rpm/230 V	rpm/110 V	mm	in.	kg
A	ECD5	615 165 068 0	Hex 1/4	2-6	1.5-4.4	2065	2065	346	13.6	1.0	2.4
B	ECD20	615 165 093 0	Hex 1/4	7-20	5.2-15	1560	1560	388	15.3	1.5	3.3
B	ECD30	615 165 094 0	Sq 3/8	10-30	7.4-22	1100	1100	380	15.0	1.5	3.3
C	ECD50	615 165 095 0	Sq 3/8	16-50	11.8-37	1030	1030	456	17.9	2.6	5.7
C	ECD70	615 165 096 0	Sq 1/2	23-70	16.9-52	650	650	461	18.1	2.6	5.7
C	ECD120	615 165 097 0	Sq 1/2	40-120	29.5-88	400	400	488	19.2	3.1	6.8

Fixtured electric spindles - CVIC

0.12 to 16 Nm (1.1 to 141.6 in.lb) - 840 to 2000 rpm



A



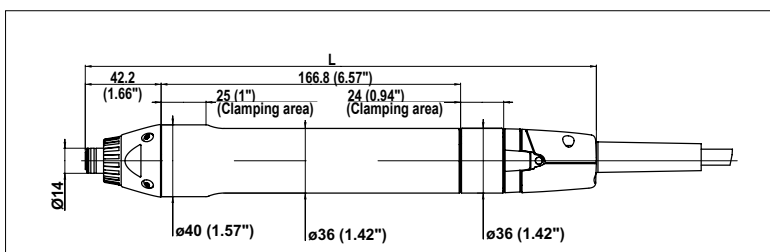
Offset head for application with close centers
(minimum 19mm)



Automatically adjust the stroke for multispindle
applications with spring loaded shafts



Mount your spindle easily on a support
using the adapted flange



ACCESSORIES
see page 84-85

PIC REF	MODEL	PART NUMBER	OUTPUT HEX	TORQUE RANGE		ROTATIONAL SPEED AT	LENGTH		WEIGHT	
			in.	Nm	in.lb	rpm	mm	in.	kg	lb.
A	ECSF06	615 165 501 0	Hex. 1/4 F	0.12-0.6	1.1-5.3	2000	285	11.2	0.6	1.3
A	ECSF2	615 165 502 0	Hex. 1/4 F	0.45-1.8	4.0-15.9	2000	285	11.2	0.6	1.3
A	ECSF4	615 165 503 0	Hex. 1/4 F	1.0-4.0	8.8-35.4	2000	285	11.2	0.6	1.3
A	ECSF7	615 165 504 0	Hex. 1/4 F	1.9-7.5	16.8-66.4	1800	285	11.2	0.7	1.5
A	ECSF10	615 165 505 0	Hex. 1/4 F	2.5-10	22.1-88.5	1340	285	11.2	0.7	1.5
A	ECSF16	615 165 506 0	Hex. 1/4 F	4.0-16	35.4-141.6	840	285	11.2	0.7	1.5
A	*ECSF06-03	615 166 071 0	Hex. 1/4 F	0.12-0.6	1.1-5.3	2000	285	11.2	0.6	1.3
A	*ECSF2-03	615 166 072 0	Hex. 1/4 F	0.45-1.8	4.0-15.9	2000	285	11.2	0.6	1.3
A	*ECSF4-03	615 166 073 0	Hex. 1/4 F	1.0-4.0	8.8-35.4	2000	285	11.2	0.6	1.3
A	*ECSF7-03	615 166 074 0	Hex. 1/4 F	1.9-7.5	16.8-66.4	1800	285	11.2	0.7	1.5
A	*ECSF10-03	615 166 075 0	Hex. 1/4 F	2.5-10	22.1-88.5	1340	285	11.2	0.7	1.5
A	*ECSF16-03	615 166 076 0	Hex. 1/4 F	4.0-16	35.4-141.6	840	285	11.2	0.7	1.5

*Models with 30cm integrated cable instead of 4 meters



Fixtured electric spindles - CVIC

2.5 to 135 Nm (1.8 to 99 ft.lb) - 403 to 2067 rpm



ACCESSORIES
see page 84-85

For MC.tools with Offset heads, please contact your local Desoutter sales engineer for more information

PIC REF	MODEL	PART NUMBER	SQUARE DRIVE		TORQUE RANGE		ROTATIONAL SPEED AT		TELESCOPIC		MIN CENTRE DISTANCE		LENGTH		WEIGHT	
			in.	Nm	ft.lb	rpm/230 V	rpm/110 V	mm	in.	mm	in.	mm	in.	kg	lb.	
A	MC35-10	615 165 107 0	3/8	2.5-8	1.8-5.9	2067	2067	50	1.97	43.2	1.7	276	10.9	1.7	3.7	
A	MC35-20	615 165 108 0	3/8	5-15	3.7-11	2067	2067	50	1.97	43.2	1.7	301	11.8	2.0	4.4	
A	MC38-10	615 165 109 0	3/8	10-30	7.4-22	1287	1287	50	1.97	43.2	1.7	347	13.7	2.0	4.4	
A	MC38-20	615 165 110 0	3/8	15-45	11-33	1092	1092	50	1.97	43.2	1.7	347	13.7	2.0	4.4	
B	MC51-10	615 165 111 0	1/2	25-70	18-52	650	650	50	1.97	51.2	2.0	366	14.4	2.9	6.4	
B	MC51-20	615 165 112 0	1/2	45-135	33-99	403	403	50	1.97	51.2	2.0	393	15.4	3.5	7.7	

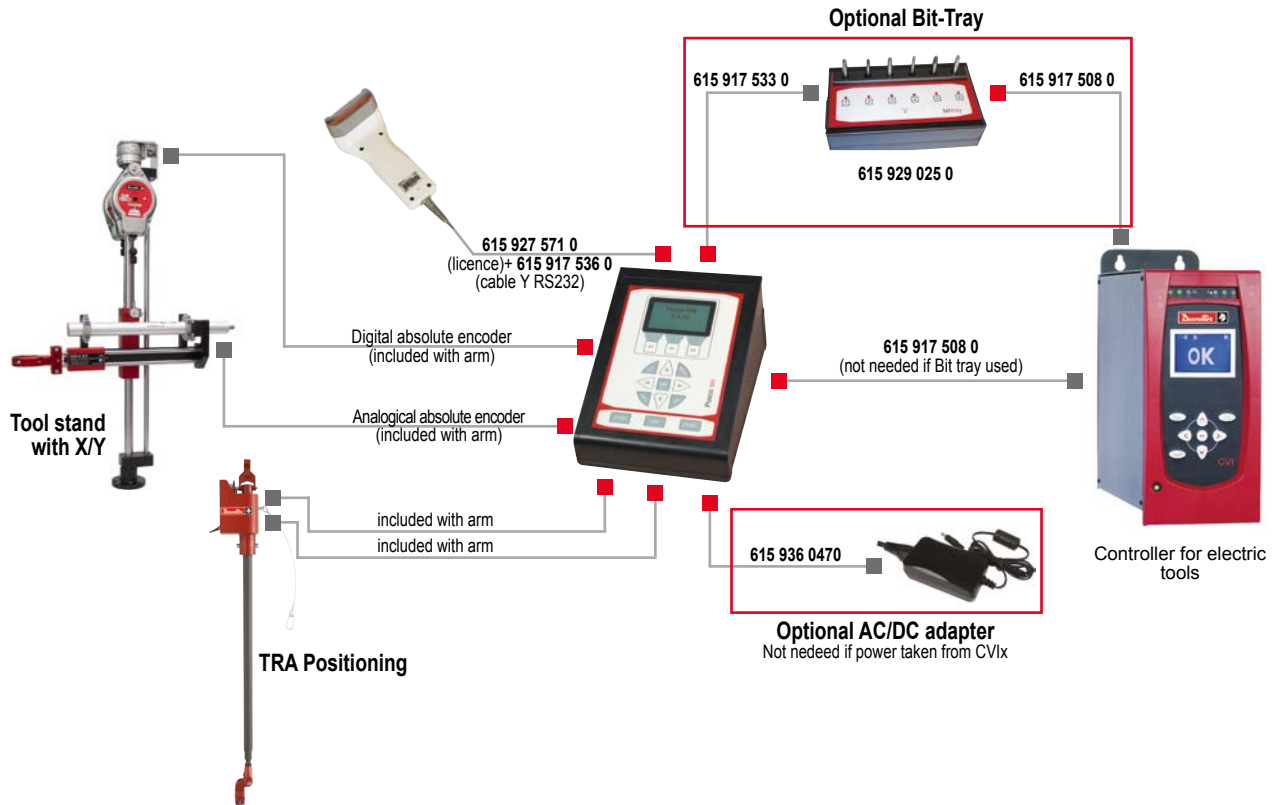
Posco 500 Positioning system

Flexibility and control

Used in conjunction with encoders equipped arms stand or carbon arm, the system ensures that the tool is positioned at the right screw during the operation. An output signal will confirm to your PLC that the job is done.

Easy programming

The Posco 500 system lets you program a sequence of operations by "self learning mode" and ensures that the steps are completed in the right order and in the right conditions.



POSCO 500 BOX	PART NO.
Posco 500 controller desk	615 932 656 0
Posco 500 controller desk with I/O extension	615 932 658 0
Posco500 controller wall with I/O extension	615 932 659 0
AC/DC adapter 90-260V/24V 30W	615 936 047 0
I/O add-on board	615 929 026 0
OTHERS	PART NO.
Bit tray module	615 929 025 0
Mounted set	615 930 777 0

CABLE	PART NO.
Cable Posco 500 / I-O CVI	615 917 508 0
Cable Posco 500 / Bit-Tray	615 917 533 0
Cable Y RS232	615 917 536 0
Cable Posco 500 / Bit-Tray / CVI/II	615 917 508 0
I/O Adapter for CVI/II controllers	615 919 003 0
SOFTWARES & LICENCES	PART NO.
Barcode license	615 927 571 0
Advanced Programming Licence	615 927 572 0
PC Connection licence 1 User	615 927 573 0
PC Connection licence 5 Users	615 927 574 0
PC Connection licence 10 Users	615 927 575 0
FAS support licence	615 936 048 0

How to order?





Accessories



ECS / ECP / ECA / ECD

ACCESSORIES INCLUDED

ITEM		PART NO.
1	Side handle for ECP.L/S/LT versions	467033
2	Fixed suspension bail for ECP.LT	467003
2	Fixed suspension bail for ECS	205 049 537 3
3	Stationary suspension bail for ECA15/20/30/40/60 / ECD	615 571 056 0
3	Stationary suspension bail for ECA90/115/125/150/200	615 571 050 0
	• Socket ball retainer 3/8" for ECA15/20/30/40/60	615 770 028 0
4	Reaction bar for ECD20/30	615 396 191 0
4	Reaction bar for ECD50/70/120	615 595 259 0

OPTIONAL ACCESSORIES

ITEM		PART NO.
------	--	----------

ECP

5	High resistance Side handle for ECP L/S/LT versions	615 397 012 0
6	Rotary right angle tool connector	615 396 300 0
	• Suspension bail on a swivel for ECP L/S	615 396 121 0
7	Suspension bail on a swivel for ECP HT	615 571 072 0
	• Top cable length 4m for ECP.LT	615 917 420 0
8	Protection sleeve for ECP HT	615 573 131 5
9	Tool holster DTH90	615 812 119 0

ECA / ECD

6	Rotary right angle tool connector	615 396 300 0
10	Suspension bail on a swivel for ECA20/30/40/60 / ECD5/20/30	615 396 228 0
10	Suspension bail on a swivel for ECA70/90/115/125/150/200 / ECD5	615 396 229 0
	• Reaction bar ring for ECD20/30	615 396 191 0
11	Reaction bar ring for ECA60	615 396 226 0
11	Reaction bar ring for ECA70/90/115/125/150	615 396 227 0
	• Reaction bar ring for ECA200	615 396 230 0
12	Long lever start for ECA / ECD	615 396 584 0
	• Tool clamp for ECD5	615 396 616 0

ECS / ECSA

13	Reaction handle for ECS	615 397 016 0
3	Stationary suspension bail for ECSA	615 791 080 0
	• Tool clamp for ECS	615 396 616 0
14	Pistol grip kit for ECS	615 390 059 0

Spring Loaded Shafts and Bearings Support for ECS-M20/ECSF

15	Bit Adaptor	103782
16	Spring Loaded Shaft 25mm (1") stroke, 3/8" Sq Drive	108342
17	Shaft Support and Nose Mount	108412

Nose Mounts for ECS-M20/ECSF

18	Nose Mount	205 052 876 3
19	Flange	205 052 875 3

Offset Head and Spring Loaded Shaft for ECS-M20/ECSF

16	Spring loaded shaft 25mm (1") stroke, 3/8" square drive	108342
20	Offset Head, Offset 30mm (1.18")	384993

Screwdriver Bit Adaptor for ECS/ECSA/ECS-M20/ECSF

21	3/8" Square to 1/4" HexPower Adaptor	108322
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ECS / ECP / ECA / ECD

SOCKETS TRAY & BITS TRAY	PART NO.
• Socket tray (sockets not supplied)	615 936 005 0
• Bit tray (bits not included)	615 929 025 0

CABLE FOR SOCKET TRAY	PART NO.
Cable 1m (3.3ft)	615 917 241 0
Cable 5m (16ft)	615 917 242 0
Cable 10m (32.8ft)	615 917 244 0
Cable 15m (49.2ft)	615 917 245 0

CABLE FOR BIT TRAY	PART NO.
Extension cable 2m (6.4ft)	615 917 508 0



CABLE FOR ECP / ECA / ECD TOOLS	PART NO.
Nutrunner cable 3m (9.8ft)	615 917 461 0
Nutrunner 5m (16ft)	615 917 462 0
Nutrunner 10m (32.8ft)	615 917 464 0
Nutrunner 15m (49.2ft)	615 917 465 0

EXTENSION CABLE FOR ECS / ECP / ECA / ECD TOOLS	PART NO.
Extension cable 5m (16ft)	615 917 222 0
Extension cable 10m (32.8ft)	615 917 224 0

MC

OPTIONAL ACCESSORIES

	PART NO.
• Motor/In-line connector assembly kit for MC35-10 to MC51-20	615 396 198 0



Transducer-holder from MC tool

• 3/8" square drive MC35/MC38	615 396 426 0
• 1/2" square drive MC51-10	615 396 427 0



CABLE FOR MC TOOLS	PART NO.
Tool cable 5m (16ft)	615 917 232 0
Tool cable 10m (32.8ft)	615 917 234 0
Tool cable 15m (49.2ft)	615 917 235 0

EXTENSION CABLE FOR MC TOOLS	PART NO.
Tool extension cable 5m (16ft)	615 917 222 0
Tool extension cable 10m (32.8ft)	615 917 224 0



DeWalt

615 610 0740
A53 - P3

615 610 0750
C12 - P3

615 610 0750
C12 - P3

615 610 0750
A52 - P3

SLBN screwdrivers controllers

Advanced controller for SLBN screwdrivers

Flexible speed

- Speed adjustment

Protection of the parameters

- Setting locked by key

Universal

- Compatible with all the SLBN range



Fastening Strategies

- PreRun reverse
- Slow start
- Final fastening
- Post run reverse



Batch counting

- Incremental or decremental counting up to 99



INPUTS AND OUTPUTS FOR PLC COMMUNICATION

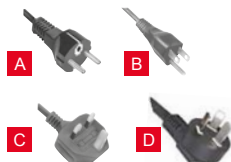
- Inputs :**
- Remote Start
 - Remote Reverse
 - Enable tool A
 - Enable tool B
 - Enable Reverse
 - Reset Batch
 - NOK Acknowledgment
 - Psets 1 to 5
 - PreRun Reverse enable

- Outputs :**
- OK
 - NOK
 - OK Batch
 - Tool running forward
 - Tool running reverse
 - 24/12 Vdc

START-UP KIT to be ordered with the controller

Including: Power cable and plug

PLUG	DESCRIPTION	PART NO.
A	European	615 917 201 0
B	US	615 917 203 0
C	UK	615 917 202 0
D	Chinese	615 917 206 0



PIC REF	MODEL	PART NUMBER	DIMENSIONS						WEIGHT		VOLTAGE VAC	COMPATIBLE TOOLS
			WIDTH		HEIGHT		DEPTH		kg	lb.		
A	ESP1	615 932 635 0	mm	in	mm	in	mm	in	0.50	1.1	100-240	SLBN003/010/012/020
B	ESP1-HT	615 932 637 0	213	8.4	131	5.20	65	2.60	1.80	3.9	100-240	SLBN030/050
B	ESP1-HT PLUS	615 932 707 0	213	8.4	131	5.20	65	2.60	1.63	3.6	100-240	SLBN90/120
C	ESP2-A	615 932 708 0	135	5.3	285	11.2	105	4.1	2.8	4.4	100-240	SLBN003-SLBN120

Low Voltage Screwdriver with clutch shut off - SLBN



Flexibility

- Installation by clamping in the top or in the front by a torque fixing ring

ESD Certification

- Dedicated version for Electrostatic discharge component protection

Productivity

- Speed up to 2000 rpm
- Maintenance free thanks to brushless motor

Ergonomy

- Soft Rubber grip
- Low noise level < 70dB (A)



Standard Version - SLBN

0.02 to 12 Nm (0.18 to 106.2 in.lb) - 160 to 2000 rpm



A



B



C



D



E



F

MODEL	LENGTH		WEIGHT	
	mm	in.	kg	lb.
SLBN001	174	6.8	0.17	0.37
SLBN003/010	182	7.2	0.38	0.34
SLBN012/020	245	9.6	0.58	1.28
SLBN030/050	283	11.1	0.80	1.76
SLBN090/120	301	11.8	1.25	2.76



ACCESSORIES
see page 93

PIC REF	MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED		TORQUE RANGE		TORQUE RECOMMENDED		VOLTAGE VDC	CONTROLLER
				Hi rpm	Lo rpm	Nm	in.lb	Nm	in.lb		

LEVER START - LOW VOLTAGE - CLUTCH CONTROL - SHUT OFF

A	SLBN001-L1000-SWS	615 165 873 0	whing shank	1000	700	0.02-0.14	0.18-1.32	0.10	0.91	15	ESP1.LT included
A	SLBN003-L230-S4Q	615 165 922 0	1/4	230	160	0.07-0.34	0.62-2.99	0.24	2.09	25	ESP1
A	SLBN003-L1000-S4Q	615 165 923 0	1/4	1000	750	0.07-0.34	0.62-2.99	0.24	2.09	25	ESP1
A	SLBN010-L1000-S4Q	615 165 955 0	1/4	1000	750	0.1-1	0.88-8.8	0.70	6.16	25	ESP1
B	SLBN012-L1000-S4Q	615 165 924 0	1/4	1000	750	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
B	SLBN012-L2000-S4Q	615 165 925 0	1/4	2000	1500	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
B	SLBN020-L1000-S4Q	615 165 926 0	1/4	1000	750	0.29-1.9	2.57-16.8	1.33	11.76	32	ESP1
C	SLBN030-L1000-S4Q	615 165 927 0	1/4	1000	750	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
C	SLBN030-L2000-S4Q	615 165 928 0	1/4	2000	1500	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
C	SLBN050-L1000-S4Q	615 165 929 0	1/4	1000	750	2.00-4.9	17.7-44.4	3.43	31.08	40	ESP1-HT
D	SLBN090-L800-S4Q	615 165 947 0	1/4	800	600	3.00-9.0	26.6-79.7	6.30	55.79	40	ESP1-HT PLUS
D	SLBN120-L550-S4Q	615 165 948 0	1/4	550	410	4.00-12	35.4-106.2	8.40	74.34	40	ESP1-HT PLUS

PUSH START - LOW VOLTAGE - CLUTCH CONTROL - SHUT OFF

E	SLBN012-A1000-S4Q	615 165 934 0	1/4	1000	750	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
E	SLBN012-A2000-S4Q	615 165 935 0	1/4	2000	1500	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
E	SLBN020-A1000-S4Q	615 165 936 0	1/4	1000	750	0.29-1.9	2.57-16.8	1.33	11.76	32	ESP1
F	SLBN030-A1000-S4Q	615 165 937 0	1/4	1000	750	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
F	SLBN030-A2000-S4Q	615 165 938 0	1/4	2000	1500	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
F	SLBN050-A1000-S4Q	615 165 939 0	1/4	1000	750	2.00-4.9	17.7-44.4	3.43	31.08	40	ESP1-HT
D	SLBN090-A800-S4Q	615 165 951 0	1/4	800	600	3.00-9.0	26.6-79.7	6.30	55.79	40	ESP1-HT PLUS
D	SLBN120-A550-S4Q	615 165 952 0	1/4	550	410	4.00-12	35.4-106.2	8.40	74.34	40	ESP1-HT PLUS

ESP C / ESP CA

Advanced controller SLC range

- Auto stop after elapsed time and auto reverse

- OK/NOK with rehit protection

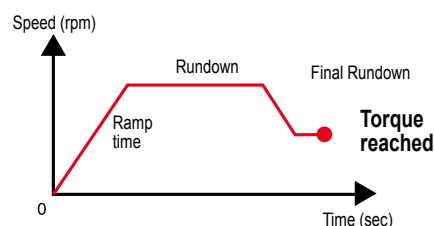
- I/O for integration with PLC for multiple functions



A

- Easy to use
- Flexible keypad
- Multi languages

- Speed control at all steps of operation: start, rundown and final phase



- Replace several tools by one
- Multi torque strategy



B

- User friendly interface
- Avoid time and Energy lost in programming

- Automatic sequence
- Up to 8 programs

- POKE YOKE & Fastening Assurance System

- User friendly interface
- Avoid time and Energy lost in programming



- USB key
- Results saving
- Statistics

- High Torque Phase (HLT)
- For all Self Tapping/ Cutting applications

START-UP KIT to be ordered with the controller Including: Power cable and plug

PLUG	DESCRIPTION	PART NO.
A	European	615 917 201 0
B	US	615 917 203 0
C	UK	615 917 202 0
D	Chinese	615 917 206 0

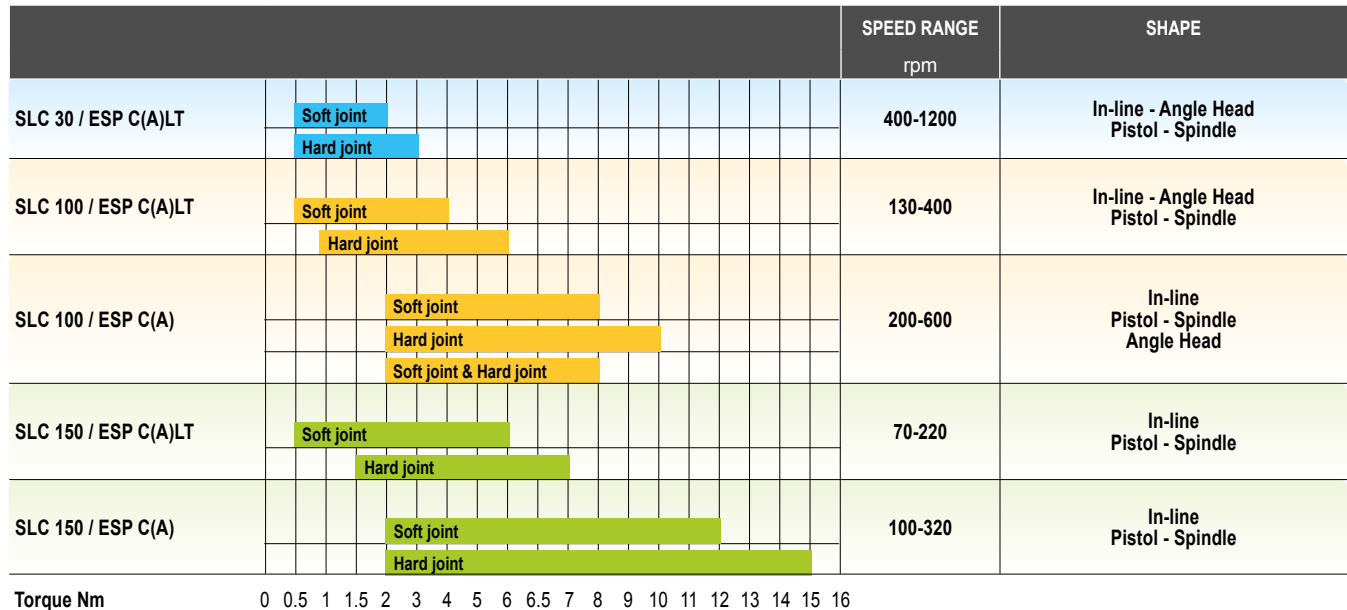


PIC REF	MODEL	PART NUMBER	TORQUE RANGE		SUPPLY VOLTAGE	DIMENSIONS						WEIGHT	
						WIDTH		HEIGHT		DEPTH			
			Nm	in.lb		mm	in.	mm	in.	mm	in.	kg	lb
A	ESP C 220V	615 165 480 0	0.5-15	4.4-132.7	AC 230V 50Hz	195	7.7	89	3.5	154	6.0	3.4	7.4
A	ESP C 110V	615 165 484 0	0.5-15	4.4-132.7	AC 120V 60Hz	195	7.7	89	3.5	154	6.0	3.4	7.4
A	ESP C LT 220V	615 165 481 0	0.5-7.0	4.4-61.9	AC 230V 50Hz	195	7.7	89	3.5	154	6.0	3.4	7.4
A	ESP C LT 110V	615 165 485 0	0.5-7.0	4.4-61.9	AC 120V 60Hz	195	7.7	89	3.5	154	6.0	3.4	7.4
B	ESP CA 220V	615 165 482 0	-	-	AC 230V 50 Hz	208	8.2	120	4.7	206	8.1	3.4	7.5
B	ESP CA LT 220V	615 165 483 0	-	-	AC 230V 50 Hz	208	8.2	120	4.7	206	8.1	3.4	7.5
B	ESP CA 110V	615 165 486 0	-	-	AC 120V 60 Hz	208	8.2	120	4.7	206	8.1	3.4	7.5
B	ESP CA LT 110V	615 165 487 0	-	-	AC 120V 60 Hz	208	8.2	120	4.7	206	8.1	3.4	7.5

High power screwdrivers - SLC

Torque Range

Performance of Electric Screwdrivers - Series SLC



In-line and Angle head screwdrivers - SLC

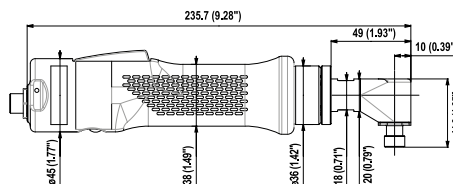
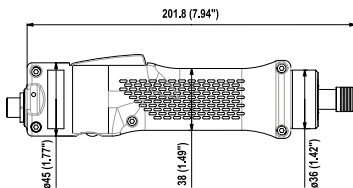
0.5 to 15 Nm (4.4 to 132.7 in.lb) - 70 to 1200 rpm



A



B

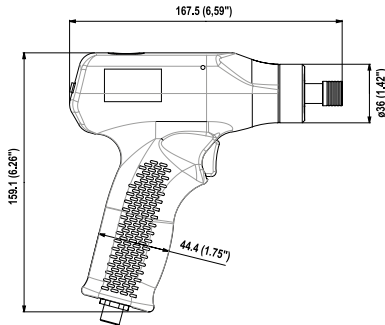


ACCESSORIES
see page 93

PIC REF	MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED	TORQUE RANGE				WEIGHT		CONTROLLER
					SOFT	SOFT	HARD	HARD	kg	lb	
			in.	rpm	Nm	in.lb	Nm	in.lb			
IN-LINE - LOW VOLTAGE - CURRENT CONTROL - SHUT OFF											
A	SLC030-L1200-C4Q	615 165 500 0	1/4	400-1200	0.5-2	4.4-17.7	0.6-3	5.3-26.5	0.5	1.1	ESP C(A) LT
A	SLC100-L600-C4Q	615 165 466 0	1/4	130-400	0.5-4	4.4-35.4	0.8-6	7.1-53.1	0.5	1.1	ESP C(A) LT
			1/4	200-600	2.0-8	17.7-70.8	2.0-10	17.7-88.5	0.5	1.1	ESP C(A)
A	SLC150-L320-C4Q	615 165 467 0	1/4	70-220	0.5-6	4.4-53.1	1.5-7	13.3-61.9	0.5	1.1	ESP C(A) LT
			1/4	100-320	2.0-12	17.7-106.2	2.0-15	17.7-132.7	0.5	1.1	ESP C(A)
ANGLE HEAD - LOW VOLTAGE - CURRENT CONTROL - SHUT OFF											
B	SLC030-L1200-C90A4H	615 165 478 0	1/4	400-1200	0.5-2	4.4-17.7	0.6-3	5.3-26.5	0.7	1.5	ESP C(A) LT
B	SLC100-L600-C90A4H	615 165 479 0	1/4	130-400	0.5-4	4.4-35.4	0.8-6	7.1-53.1	0.7	1.5	ESP C(A) LT
			1/4	200-600	2.0-8	17.7-70.8	2.0-10	17.7-88.5	0.7	1.5	ESP C(A)

Pistol grip screwdrivers - SLC

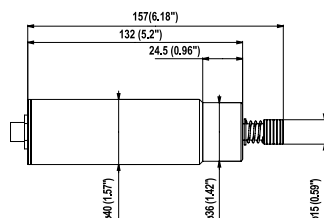
0.5 to 15 Nm (4.4 to 132.7 in.lb) - 70 to 1200 rpm



PIC REF	MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED	TORQUE RANGE				WEIGHT		CONTROLLER
					SOFT	SOFT	HARD	HARD	kg	lb	
			in.	rpm	Nm	in.lb	Nm	in.lb	kg	lb	
PISTOL GRIP - LOW VOLTAGE - CURRENT CONTROL - SHUT OFF											
A	SLC030-P1200-C4Q	615 165 488 0	1/4	400-1200	0.5-2	4.4-17.7	0.6-3	5.3-26.5	0.6	1.3	ESP C(A) LT
A	SLC100-P600-C4Q	615 165 462 0	1/4	130-400	0.5-4	4.4-35.4	0.8-6	7.1-53.1	0.6	1.3	ESP C(A) LT
			1/4	200-600	2.0-8	17.7-70.8	2.0-10	17.7-88.5	0.6	1.3	ESP C(A)
A	SLC150-P320-C4Q	615 165 463 0	1/4	70-220	0.5-6	4.4-53.1	1.5-7	13.3-61.9	0.6	1.3	ESP C(A) LT
			1/4	100-320	2.0-12	17.7-106.2	2.0-15	17.7-132.7	0.6	1.3	ESP C(A)
PISTOL GRIP WITH TOP CONNECTOR - CURRENT CONTROL - SHUT OFF											
B	SLC030-T1200-C4Q	615 165 489 0	1/4	400-1200	0.5-2	4.4-17.7	0.6-3	5.3-26.5	0.6	1.3	ESP C(A) LT
B	SLC100-T600-C4Q	615 165 464 0	1/4	130-400	0.5-4	4.4-35.4	0.8-6	7.1-53.1	0.6	1.3	ESP C(A) LT
			1/4	200-600	2.0-8	17.7-70.8	2.0-10	17.7-88.5	0.6	1.3	ESP C(A)
B	SLC150-T320-C4Q	615 165 465 0	1/4	70-220	0.5-6	4.4-53.1	1.5-7	13.3-61.9	0.6	1.3	ESP C(A) LT
			1/4	100-320	2.0-12	17.7-106.2	2.0-15	17.7-132.7	0.6	1.3	ESP C(A)

SLC - Automation - Remote start

0.5 to 15 Nm (4.4 to 132.7 in.lb) - 70 to 1200 rpm



PIC REF	MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED	TORQUE RANGE				WEIGHT		CONTROLLER
					SOFT	SOFT	HARD	HARD	kg	lb	
AUTOMATION - REMOTE START											
A	SLC030-F1200-C4Q	615 165 490 0	1/4	400-1200	0.5-2	4.4-17.7	0.6-3	5.3-26.5	0.5	1.1	ESP C(A) LT
A	SLC100-F600-C4Q	615 165 468 0	1/4	130-400	0.5-4	4.4-35.4	0.8-6	7.1-53.1	0.5	1.1	ESP C(A) LT
			1/4	200-600	2.0-8	17.7-70.8	2.0-10	17.7-88.5	0.5	1.1	ESP C(A)
A	SLC150-F320-C4Q	615 165 469 0	1/4	70-220	0.5-6	4.4-53.1	1.5-7	13.3-61.9	0.5	1.1	ESP C(A) LT
			1/4	100-320	2.0-12	17.7-106.2	2.0-15	17.7-132.7	0.5	1.1	ESP C(A)



SLBN / SLC

ACCESSORIES INCLUDED

	SLBN	SLC
• Suspension bail		615 360 222 0
• Torque fixing ring for SLB003	615 225 053 0	
• Torque fixing ring for SLB012/020	615 548 218 0	
• Torque fixing ring for SLB030/050	615 548 219 0	
• Tool / Controller cable L = 2.5m (8.2ft)	-	615 360 223 0
• Cable L = 1.83m (6ft)	615 397 416 0	

OPTIONAL ACCESSORIES

ITEM	SLBN	SLC
------	------	-----

SLBN Tools

1	Control Box	615 932 709 0
2	Shielded cable 3m for ESP2-A	615 917 721 0
3	Spiral cable 3m (9.9 ft)	615 360 838 0
4	Pistol grip (Trigger) for SLB030/050	615 397 918 0
4	Pistol grip (Push) for SLB030/050	615 397 919 0
4	Pistol grip (Push) for SLB012/020	77562
•	Cable, 10m (32.8 ft)	615 360 379 0
•	Wall fixing plate for ESP1-HT	615 571 085 5
•	Clamp ring for SLB012/020	615 399 057 0
•	Clamp ring for SLB030/050	615 397 815 0
•	Adaptor M20 SLB012/020	615 548 151 5
•	Adaptor M20 SLB 030/050	615 548 152 5
5	Angle head for SLB012/020	615 398 033 0
5	Angle head for SLB030/050	615 398 034 0

SLC Tools

6	Side Handle	615 397 016 0
7	Color ring (3)	615 397 008 5
•	Cable extension L = 2m (6.6ft)	615 917 593 0
8	Spiral cable L = 2m (6.6ft)	615 917 594 0
•	M20 adaptor	615 567 132 0
9	Bit tray	615 936 068 0
10	Switch box	615 936 069 0

Spring Loaded Shafts and Bearings Support

11	Bit Adaptor	103782
12	Spring Loaded Shaft 25mm (1") stroke, 3/8" Sq Drive	108342
13	Shaft Support and Nose Mount	108412

Nose Mounts for SLC-M20

14	Nose Mount	205 052 876 3
15	Flange	205 052 875 3

Offset Head and Spring Loaded Shaft

12	Spring loaded shaft 25mm (1") stroke, 3/8" square drive	108342
16	Offset Head, Offset 30mm (1.18")	384993

Screwdriver Bit Adaptor

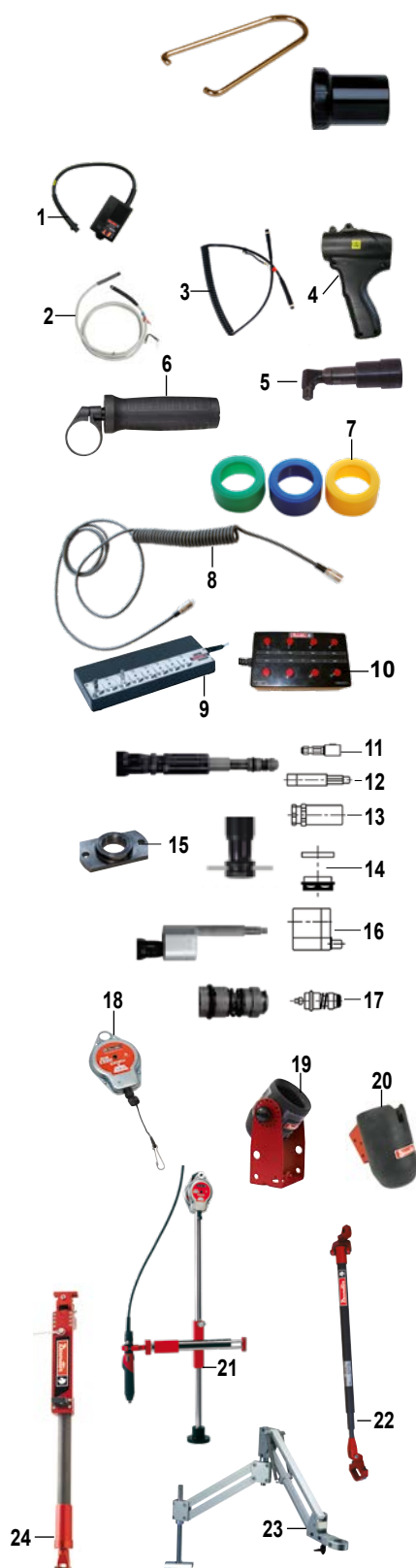
17	3/8" Square to 1/4" HexPower Adaptor	108322
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Balancers and Holster

18	Spring Suspension Balancer	50522
19	Tool holster DTH-42	107892
20	Tool holster DTH90	615 812 119 0

Ergonomic accessories

21	D53 - Linear & Folder arms	see page 153
22	TRA - Telescopic arms	see page 165
23	D57, D58 - Balancing arms	see page 170
24	Torque tube	see page 169





Desoutter RightWay focuses on six key areas that play an important part in the performance of your production lines.

■ PRODUCTIVITY

Remove bottlenecks to raise workstation productivity and overall line performance.

■ QUALITY

Improve the quality of final goods and reduce quality-related costs by implementing advanced error-proofing solutions that detect and fix defects at the workstation.

■ ERGONOMICS

Reduce work-related musculoskeletal disorders to improve operator morale, cut absenteeism and minimize operator turnover.

■ SAFETY

Fewer on-the-job injuries and the costs associated with lost time and medical costs.

■ ENERGY

Fight rising energy costs by adopting energy-efficient best practices and technologies.

■ PLANNING

Help you accelerate process improvement projects by providing your planning department with valuable resources and expertise.



Desoutter RightWay uses a unique **4-step methodology** to identify workable improvements to your production line. Our solutions combine real-world insights gathered directly from your production line with our unmatched expertise in tool systems for your industry.

ANALYSE ON THE FACTORY FLOOR

Desoutter RightWay begins with a 6-point on-site audit of your entire line, workstations and operator ergonomics. Our expert visits the line with you gathering information and observations about your requirements in the six key domains: productivity, quality, ergonomics, safety, energy consumption and process planning.

PROPOSE DEMONSTRATING FEASIBILITY

Using the results of our Desoutter RightWay audit, the data you provide and our best practices in similar applications, we design and test a custom solution that is perfectly suited to your requirements. In addition, we demonstrate the solution in real-world conditions to show you first-hand how it resolves your issues and concerns.

FOLLOW-UP IMPLEMENTATION AND SUPPORT

Finally, we work with your line engineers to organize the smooth and timely deployment of the new tool system. Over the life of the system, we will continue to monitor performance and use this feedback to make any adjustments that may be required as your line evolves. We also provide all the preventive maintenance and fixed-price servicing called for in the ROI calculations.

PROVE PROVE THE PAYBACK

Based on the proposed solution, we calculate the return on investment and the payback in terms of the six domains mentioned earlier. We also propose error-proofing solutions, calculate duty cycles and analyze joint quality for assembly applications.



More Than Productivity



www.desouttertools.com

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