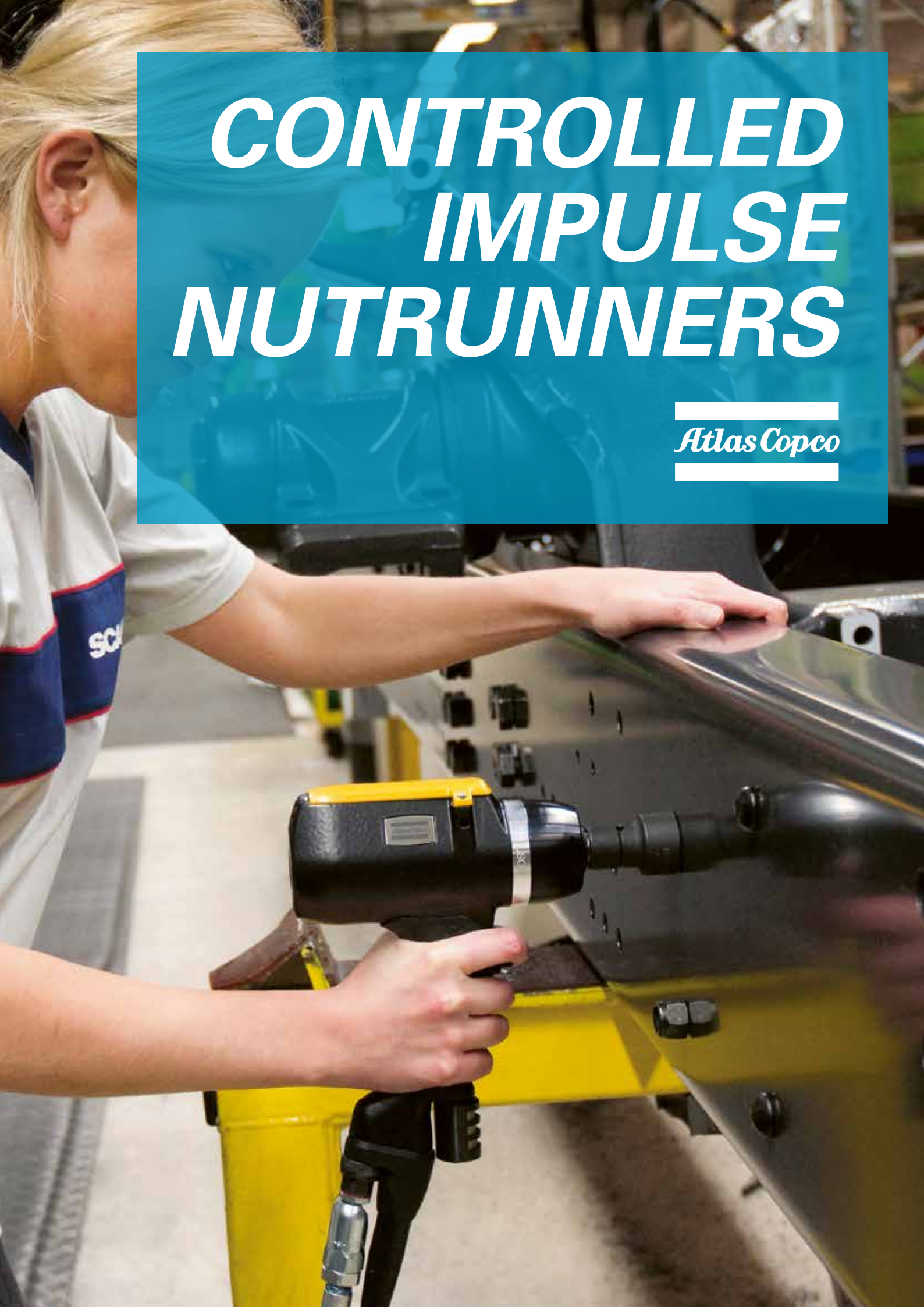

CONTROLLED IMPULSE NUTRUNNERS

Atlas Copco

An impulse tool with fastening system intelligence

Atlas Copco's Pulsor C System gives you all the advantages of a controlled impulse tool, plus the intelligence of an electric fastening system. Like all Atlas Copco impulse tools, Pulsor C is fast, powerful, light and compact and generates virtually no reaction force. The controller remembers up to 4,000 tightenings that can be stored and analyzed. This enables you to fine-tune your process and ensure that every tightening in every shift is perfect. If they are not perfect, you can see why.

The Pulsor C, with its control system, is designed for quality critical applications. Pulsor C alerts you to mistakes as soon as they are made. Lights on the back of the tool indicate if screws are correctly tightened. They inform the user about torque, early shut-off or if parts have been forgotten. Pulsor C will control repeatability and can report results.

THE SYSTEM

The Pulsor C system comprises the tool, cable, controller and tool control box where the shut-off valve is located.

THE TOOL

Pulsor C tools are an ergonomic, high-performance range of impulse nutrunners with signal lights to provide direct operator feedback. No mechanical torque setting in tool.

CABLES

The strong, resistant electric tool cable is available in three versions: straight, coil and spiral.

TOOL CONTROL BOX

Pressure adjustment and tool shut-off valves are located in this box.

CONTROLLER

The controller remembers up to 4,000 tightenings – everything from torque results and rundown time to identification number (see below for a full list of parameters). The results can easily be sent to a network and stored on a server. They can also be transferred directly to a PC and then analyzed in a program such as Excel. This means that you can easily fine-tune your process.

Pulsor monitors and records:

- Torque result
- Angle result
- Premature shut-off
- Number of pulses
- Tightening time
- Rundown time
- Barcode number

SOFTWARE

The PC based ToolsTalk Pulsor C software is used for making all system settings.

- Tool settings
- Communication settings to factory networks

Pulsor C

Pistol Grip Models

The Pulsor C tool is fast and powerful. It is also light, compact and generates virtually no reaction force, making it a very comfortable tool to work with.

- Fast rundown. Up to 9000 rpm for highest productivity.
- No need for reaction arm. Virtually no reaction force due to pulse tightening.
- Avoid downtime. Get an early warning with Tool drift alarm.
- Easy to service. Patented pulse technology with few parts.
- Plan service with service alarms.
- Illumination of working area with bright LED.
- Operator feedback after tightening with LED lights (OK/NOK).

Model	Bolt size mm	Square drive in	Torque range Nm	Torque range ft lb	Free speed r/min	Weight kg	Weight lb	Length mm	CS distance mm	Air consumption under load l/s	Air consumption under load cfm	Rec. hose size mm	Air inlet thread in	Ordering No.
Tools with ball retainer														
EPP6 C40 HR-B10	M6-M8	3/8	20-40	15-30	9000	1.3	2.8	164	23	7	15	10	1/4	8431 0380 53
EPP8 C55 HR-B10	M8-M10	3/8	30-55	22-40	7000	1.5	3.4	172	26	8	17	10	1/4	8431 0380 59
EPP10 C90 HR-B13	M10	1/2	45-90	33-66	5500	2	4.5	184	30	11	23	10	1/4	8431 0380 64
EPP11 C110 HR-B13	M12	1/2	55-110	40-80	5100	2.1	4.6	192	30	12	25	13	1/4	8431 0380 68
Tools with pin retainer														
EPP6 C40 HR10	M6-M8	3/8	20-40	15-30	9000	1.3	2.8	164	23	7	15	10	1/4	8431 0380 46
EPP8 C55 HR10	M8-M10	3/8	30-55	22-40	7000	1.5	3.4	172	26	8	17	10	1/4	8431 0380 57
EPP10 C90 HR13	M10	1/2	45-90	33-66	5500	2	4.5	184	30	11	23	10	1/4	8431 0380 62
EPP11 C110 HR13	M12	1/2	55-110	40-80	5100	2.1	4.6	192	30	12	25	13	1/4	8431 0380 66
EPP13 C150 HR13	M12-M14	1/2	75-150	55-110	5300	2.6	5.7	193	33.5	15	32	13	3/8	8431 0380 71
Tools with through hole in square drive														
EPP15 C250 HR20	M12-M16	3/4	125-250	92-184	4300	3.3	7.3	211	37	21	44	13	3/8	8431 0380 77
EPP19 C400 HR20	M16-M20	3/4	200-400	148-295	3300	4.5	9.9	217	44	23	49	13	3/8	8431 0380 82

CONTROLLER SOFTWARE

Pulsor's functionality is unlocked with the RBU (Rapid Backup Unit) key. This patented device gives you access to the functionality you need while providing a backup for the data you have programmed yourself.

Function	RBU Gold
Number of results in the result database	4000
Tool Setup	Yes
Tool Lock Box	Yes
Network/TCP/IP	Yes
I/O-bus (CAM-cabel)	Yes
Click wrench	Yes
ToolsNet	Yes
Number of Psets	up to 100
Number of jobs	up to 100
Statistics	Yes
Number of events	500
Barcode reader	Yes
Tool drift alarm	Yes

Optional Accessories

TOOL ACCESSORIES

Model	Ordering No.
Controllers	
Pulsor Focus 4000-C-HW	8433 6900 20
Pulsor Focus 4000-C-DN-HW	8433 6940 20
Pulsor Focus 4000-C-PB-HW	8433 6942 20
Pulsor Focus 4000-C-PN-HW	8433 6948 20
Pulsor Focus 4000-C-EIP-HW	8433 6949 20
Pulsor Focus 4000-C-IB-HW	8433 6945 20
Tool Control Box	
TCB-1U	8433 0607 30
TCB-1E	8433 0606 40
RBU	
Pulsor C - Gold	8433 6020 20
TCB cables	
Cable PF - TCB, 1.2 m	4250 2901 01
Cable PF - TCB, 5 m	4250 2901 05
Cable PF - TCB, 10 m	4250 2901 10
Tool cables	
Straight 5 m	4250 2533 05
12 m	4250 2533 12
Spiral 5 m	4250 2533 06
12 m	4250 2533 13
Coil 3 m	4250 2533 53
5 m	4250 2533 55
7 m	4250 2533 57
Back plate (for attaching PF and TCB in one plate)	4250 2829 90
PCU - Pulsor Control Unit (Includes: controller, RBU, TCB, back plate, cable 1.2 m)	
PCU	8433 6990 30
ToolsTalk Pulsor C, W10	
1-user license	8092 1292 01
5-user license	8092 1292 05
10-user license	8092 1292 10
Plant license	8092 1292 99
Suspension yoke (for upside down hanging, all models)	4250 2720 00

Pulsor Focus

Tool Control Box (TCB)

Coil cable

Straight cable

Spiral cable

Selector 4

CONTROLLER ACCESSORIES

Model	Ordering No.
Rotary selector	8433 0606 15
I/O Expander	8433 0564 39
RE-Alarm	8433 0560 03
Selector 4	8433 0610 04
Selector 8	8433 0610 08
Operator panel basic	8433 0565 10
Operator panel advanced	8433 0565 00
Stacklights	
ESL-04 Standard	8433 0570 13
Rotating red	8433 0570 30
Rotating yellow	8433 0570 35
Siren	8433 0570 40
Compact	8433 0570 16
DSL-03 with push button	8433 0570 10
with blanking plugs	8433 0570 11

Stacklight DSL-03

Operator panel Basic

TOOL HOSE KITS

Model	Hose kit	Ordering No.
Hoses 5 m		
EPP6 – EPP10	Cablair 10 + Ergo couplings	8202 1180 78
EPP11 – EPP19	Cablair 13 + Ergo couplings	8202 1182 13
Hoses 10 m		
EPP6 – EPP10	Cablair 10 + Ergo couplings	8202 1180 36
EPP11 – EPP19	Cablair 13 + Ergo couplings	8202 1182 15