

Desoutter

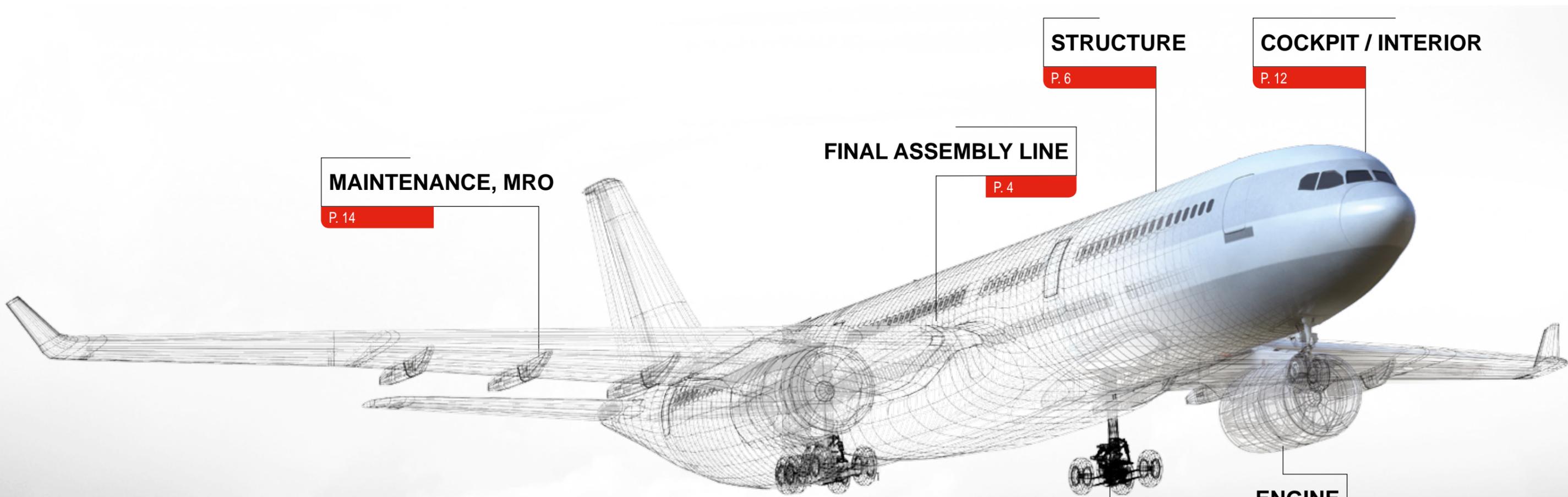


Industrial Tools

*Solutions dedicated
to the Aerospace
industry*

More Than Productivity





Desoutter is your single source of electric, pneumatic and hydraulic tool solutions, covering a wide range of assembly and manufacturing processes in the aerospace industry.

The quality and innovation of Desoutter solutions in Power Tools, Electric, Hydraulic and Pneumatic Nutrunners, Screwdrivers, Drills and Advanced Drilling Units, Grinders, Sanders, Rivet Hammers and Squeezers, Measurement systems or Advanced Assembly Tools is rooted in pro-active customer responsiveness.

Desoutter combines worldwide presence with local expertise. Whatever the application, wherever it is, we have the solution! Find more on www.desouttertools.com



FINAL ASSEMBLY LINE

STRUCTURE

COCKPIT / INTERIOR

MAINTENANCE, MRO

LANDING GEAR

ENGINE

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1 ADVANCED DRILLING UNIT

Modular concept with the best power to weight ratio in its class.
Wide range of Advanced Drilling Unit design for Aerospace applications
Based on a set of modular sub-assemblies, the ADU will match with your specific applications



2

Pistol drill

Best power-to-weight ratio.
Can be used with composite dust extraction system

See page 33



3



Squeezer

Wide range of Alligator Jaws / C-Yokes and rivet sets
Fast and slow approach
Safety lever

See page 41

4

4

CVI3 range

User-friendly HMI for operator guidance. Error proofing

See pages 66 to 71



5

Torque reaction arm

Any customized solution can be designed and adapted to your needs

Contact Desoutter





1
TEMPORARY FASTENER DRIVER
For all types of attachment (Monogram®, Lisi®) we can offer a solution



2
E-LIT battery tool
With the low weight of the tools and its researched ergonomics you will work more productively on difficult application. Visual and audible feedback help you to enhance the quality
See page 52



3
Multi-drills
Light and low noise drills suitable for many drilling operations. Can be used with a keyed or keyless chuck
See page 27



4
C-Clamp
Large range of C-clamp equipment for one shot operation up to medium size diameters, 120 to 200 kg clamping force. No jig necessary
See page 21



6
Pistol drill
Best power-to-weight ratio
Wide range of speed and chuck
See page 33



5
Squeezer
Alligator Jaws / C-Yokes
Single and tandem cylinders
See page 40



1 NUTRUNNERS

Provide durable quality and improve operator comfort and efficiency. Suitable to hard and soft joints



CVI3 Range

Assembly process, high sensitivity torque transducer Ergostop, Preset graphs...

See pages 66 to 71

6

E-LIT battery tool

Light and slim, the Elit angle head range will fit with all your tight area tightenings. The front LED and the visual feedback on OK/NOK and rehit will exceed your error proofing expectations

See page 52

5



2



Pistol drill

Heavy duty drills for hard material drilling operations

See page 33

3



Electric nutrunner

Offset tube nut
Transducerized tightening tools

Contact Desoutter

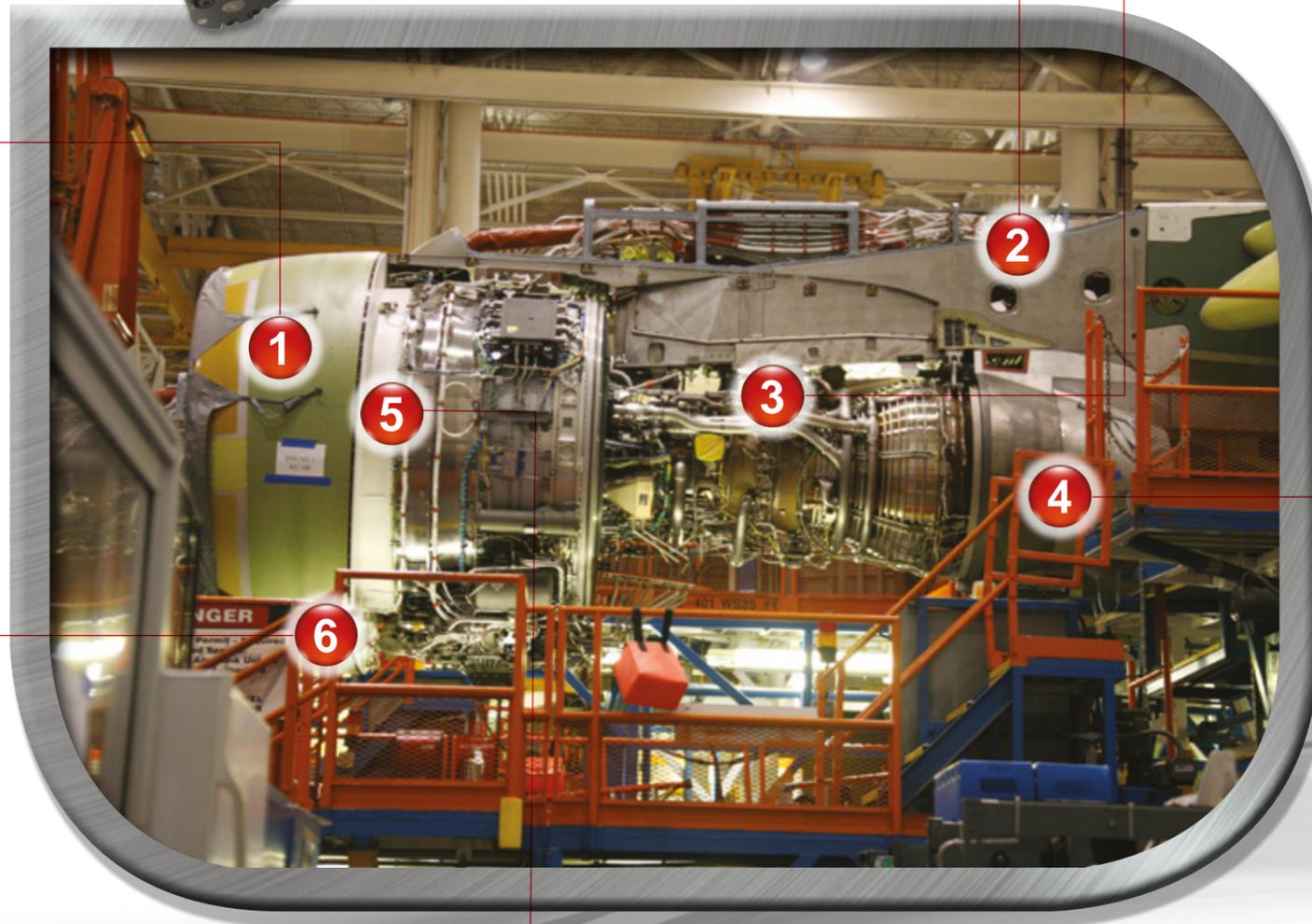
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Sander

A fingertip machine control for tight areas

See page 82





1 CVI3 RANGE

Advanced tightening strategies
Compact monobloc angle head. Embedded
fixturing on high torque tools. CVIMONITOR
for realtime monitoring



2

Die grinder

Large choice of speeds and
collets to fit various ASC applications

See page 80



3



Orbital sander

High power-to-weight ratio for maximum
efficiency and productivity

See page 86

4



Sander

A fingertip machine control
for tight areas

See page 82



6

Nutrunner + Crowfoot

Low speed and customized
crowfoot specifications

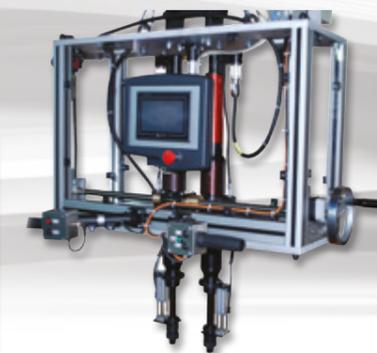
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5

Wheel assembly

2 spindle machines adapted to
different wheel sizes. Full quality
reporting

Contact Desoutter



1 MULTI-DRILLS

Industrial solution giving more flexibility to the operator. This flexible product will help to increase productivity. Light weight, low noise, good ergonomics



2



Pistol drill

Power and speed dedicated to your needs

See page 33

3

E-LIT battery tool

With the low weight of the tools and its researched ergonomics you will work more productivity on difficult applications, visual and audible feedback help you to enhance the quality

See page 52



4



Pistol screwdriver

Accurate clutch for high quality tightening

See page 74

5

Nutranner

Low speed and customized crowfoot specifications

See page 73



6

E-LIT battery tool

The ELS range allows you to easily set a 2 speed tightening strategy, with the speed setting module, slowing down at the end of the tightening to keep good quality and productivity

See page 52



1 SANDERS

Unequalled power-to-weight ratio for various applications



Nutrunner + Crowfoot

Low speed and customized crowfoot specifications

See page 72

6

Squeezer

Alligator Jaws / C-Yokes
Single and tandem cylinders

See page 40

5

4

Riveting hammer

Recoilless series for more operator comfort

See page 45

2

Multi-drills

Light and low noise drills suitable for many drilling applications

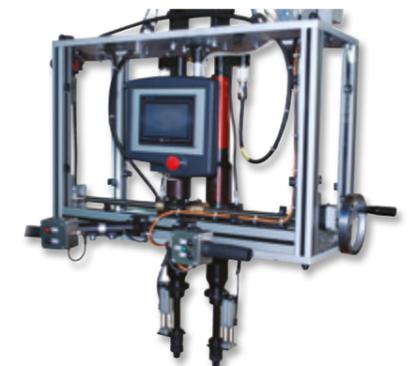
See page 27

3

Wheel and Brake assembly

Fully Automatic Transducerized twin spindles system HMI control

Contact Desoutter



Service solutions - FIT Concept

For all your needs

FIT CONCEPT

Committed to our customers success!

• FIT OUR CUSTOMERS NEEDS

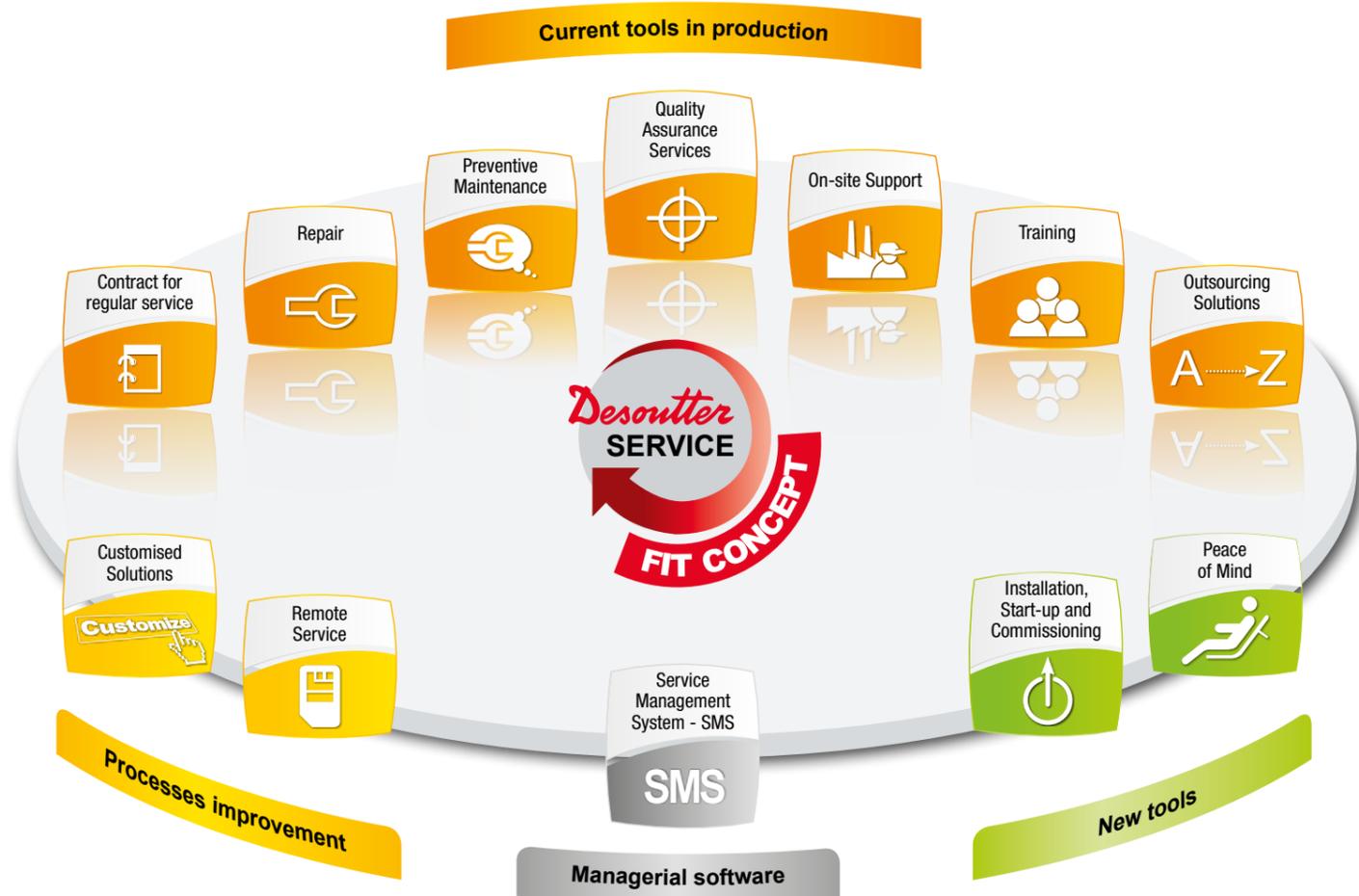
Understanding your needs is our first objective.

• INTEGRATION AS THE BASE TO DEVELOP SERVICE SOLUTIONS

Solutions upgrade is possible at any time.

• TAILOR-MADE SOLUTION

Implement a tailor-made solution to boost your performance.



Aerospace solutions

Because we know how demanding aerospace applications are, we offer our customers the most innovative, flexible and robust solutions in the industry

Our dedicated Aerospace team will provide you with a strong technical expertise, an in-depth understanding of your applications, as well as flexibility and reactivity to make sure your projects are managed with world-class efficiency



DRILLING

We offer a wide range of standard and customizable products for all the aerospace drilling applications

ADU's

Seti-tec products offer an un-matched level of customization. If you can't find your answer in the extensive catalog of modules already used worldwide, just ask. We will come up with a solution



Manual Drilling Unit

Press the trigger, and this will launch the preset drilling & retraction cycle. Light & versatile, this is a perfect tool for drilling in composites. See page 23



DR500-HCU (Hydraulic Control Unit)

Dampened drilling to avoid delamination. Wide range of Speeds and strokes. See page 22



Deburring tools

Wide range of tools, customization on demand. See page 39



ASSEMBLY TOOLS FOR AEROSPACE APPLICATIONS

Regardless of the complexity of your demand, we have the right product to support you (see pages 59 & 61)



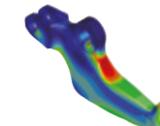
TEMPORARY FASTENERS (see page 48)

Either in Monogram or Lisi, we can cover a wide range of temporary fasteners installation and removal tools, with both pneumatic and battery options



RIVETING

Best chances your application cannot be answered by standard products. And you cannot afford to play with your workers safety. Contact our expert team for full support, safe and reliable solution



3D jaw design including accessibility check

FEM analysis for weight optimization and safety guarantee

Finished optimized and safe riveting solution



Seti-Tec latest innovation will raise your drilling performance and quality to an unprecedented level. Cycle time reduction, quality control, full control over drilling parameters in a compact, user-friendly system.

PATENTED

Full modularity: 1 Motor unit for unlimited number of smart heads

Full compatibility with Seti-Tec ADU range

RFID

RFID Head identification

Quick-change head system

Patented WINCH system

TOOL CONTROL

User-friendly LCD HMI

Trigger for tool clamping and head change

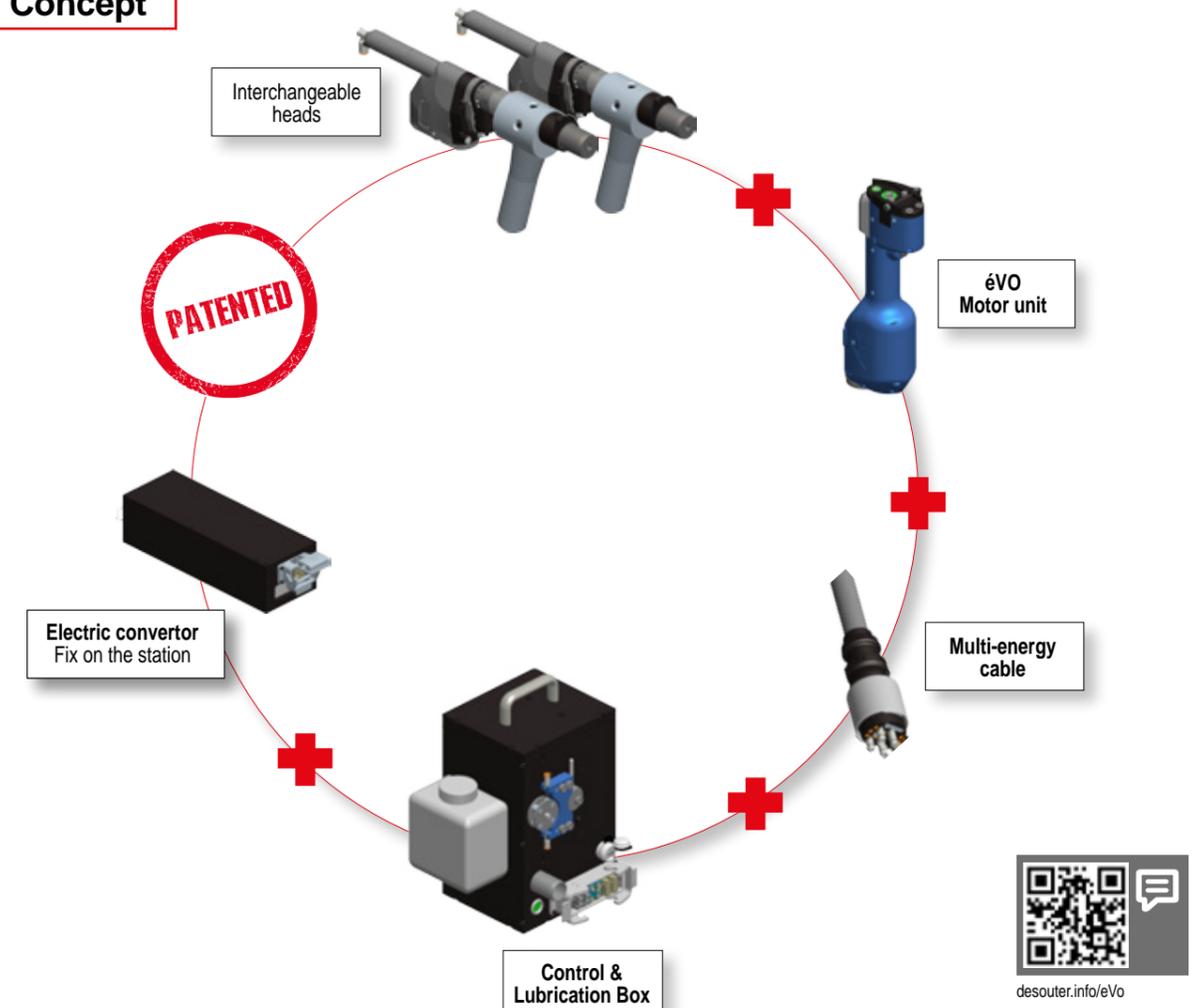
2 Robust, brushless motors for:
- Spindle Rotation
- Spindle Feed

MULTI-ENERGY CABLE
- Power
- Air
- Signal
- Lubrication

éVo software
Full control and easy setup of:
- Spindle position, speed,
- Thrust & torque,
- Peck modes,
- Lubrication management



éVo Concept



KEY POINTS

<p>PRODUCTION OPTIMIZATION</p> <p>CYCLE TIME REDUCTION Feed rate and rotation adaptation based on real time material detection Smart Lubrication → reduced Cleaning time</p>	<p>QUALITY CONTROL</p> <p>Real time drilling monitoring for detection of broken tools Automatic detection of exit point Real-time lubrication management Ability for peck programming Detection of multi-stack gaps</p>
<p>SMART DRILLING</p> <p>Autonomous drilling mode → self adaptation adaptation of drilling cycle Unlimited drilling curve storage Various Poka Yoké systems Real time drilling monitoring</p>	<p>HEALTH & SAFETY</p> <p>Reduced Environmental impact Reduced consumption Reduced lubrication pollution Improved workplace Limited operator's exposure to lubricant</p>
<p>MAINTENANCE OPTIMIZATION</p> <p>Full modularity with ADU components Cycle counter for cutting tool & heads Access right management Increased life time for cutting tools</p>	

Automatic Drilling Unit



Automatic Drilling Unit

1 STEP OPERATION - DRILLING – REAMING - COUNTERSINKING

MODULAR CONCEPT



Part of Desoutter product portfolio, **Seti-Tec line** offers best-in class performance, quality and reliability for the most demanding drilling applications worldwide.

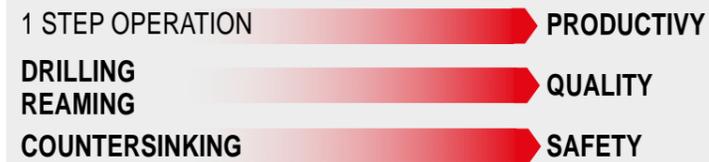
Seti-Tec solutions have already been adopted by all major Aircraft manufacturers worldwide

This concept is dedicated to highly demanding drilling, reaming, countersinking applications, where quality, precision and repeatability are critical.

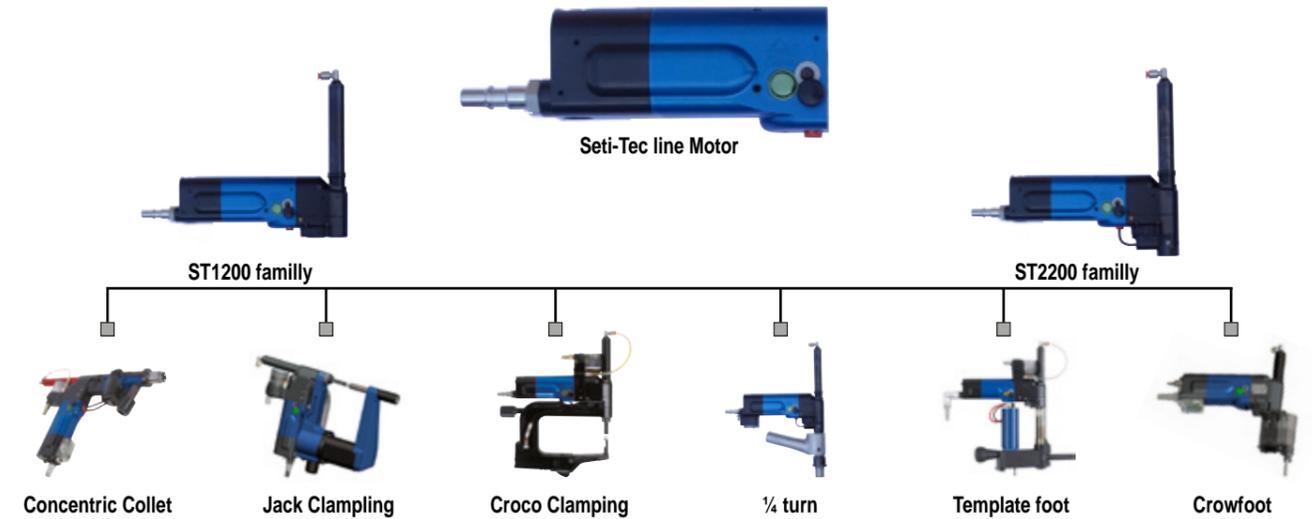
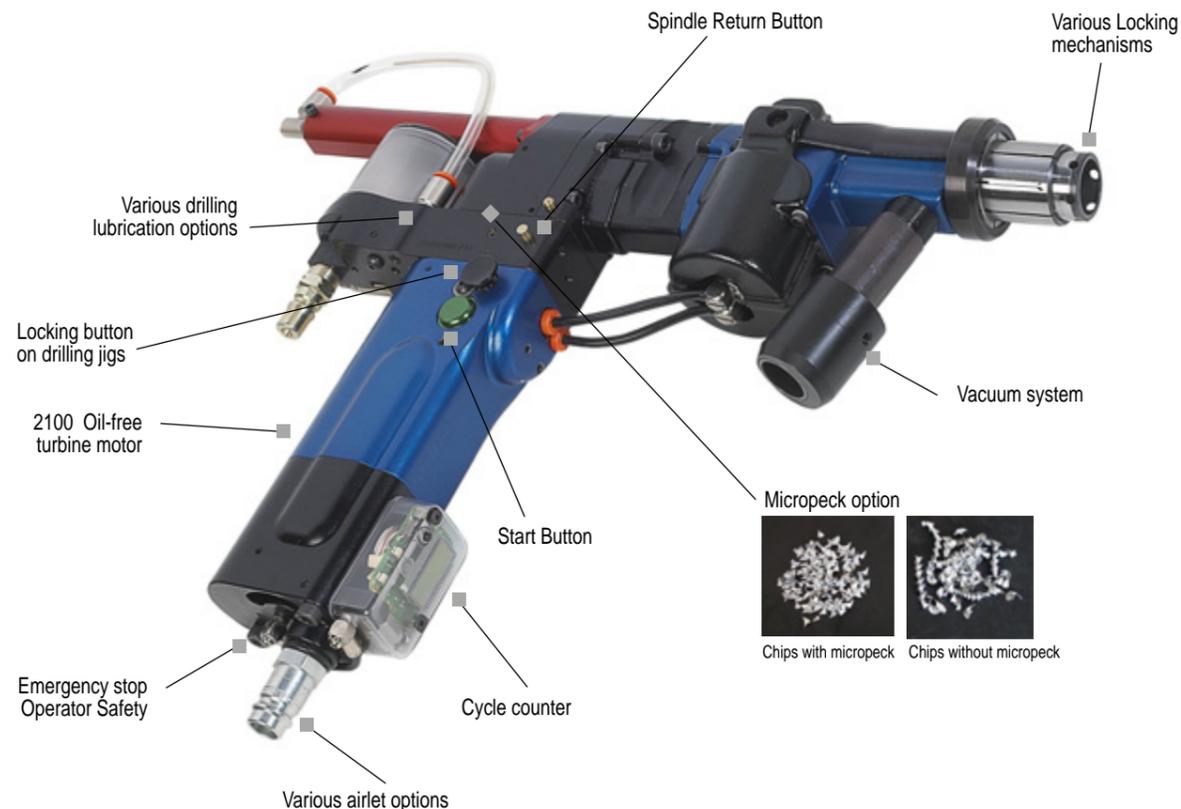
Its innovative design make one step drilling, reaming, countersinking possible, and will help driving down your cycle time.

Its design based on modularity concept and the wide variety of clamping options will answer most of your applications.

In addition to the current ST1200 and ST220 pneumatic range, the Electric Drilling Unit range éVo is raising the drilling performance to a new standard.



desoutter.info/ADU



TECHNICAL INFORMATION

Type: Automatic positive feed drill
 Drill and countersink, precision depth 0.02mm

	ST1200	ST2200
Power:	1.5 kg (3.3lb)	4.2 kg (9.2lb)
Weight:	Unlimited	Unlimited
Stroke:	0.02 mm/rotation	0.04 mm/rotation
Feed rate:	0.04 mm/rotation	0.06 mm/rotation
	0.06 mm/rotation	0.10 mm/rotation
	0.08 mm/rotation	0.12 mm/rotation
	0.10 mm/rotation	0.14 mm/rotation
	0.12 mm/rotation	0.18 mm/rotation
	0.15 mm/rotation	0.20 mm/rotation

Upper feed rates possible to adapt.

Rotation speed:	ST1200	ST2200
	240 rpm	159 rpm
	500 rpm	250 rpm
	1000 rpm	300 rpm
	1700 rpm	540 rpm
	2400 rpm	700 rpm
	3000 rpm	800 rpm
	4600 rpm	900 rpm
	6500 rpm	1200 rpm
	8100 rpm	2600 rpm
	14000 rpm	3000 rpm

Available an right angle, inline and inline + handle

HOLE DIAMETER	ALUMINIUM COMPOSITE	TITANIUM HARD METAL	ALUMINIUM COMPOSITE	TITANIUM
	Straight hole		Countersink hole	
<4,8mm - 3/16"	ST 1200	ST 1200	ST 1200	ST 1200
<6,35mm - 1/4"				
<7,9mm - 5/16"				
<9,5mm - 3/8"				
<11,1mm - 7/16"				
<12,7mm - 1/2"				
<14,3mm - 9/16"				
<15,9mm - 5/8"	ST 2200	ST 2200	ST 2200	ST 2200
<19,5mm - 3/4"				
<22,2mm - 7/8"				
<25,4mm - 1"				
Over 25,4mm - 1"				

	CONCENTRIC COLLET	BAYONET 1/4 TURN	CROCO CLAMP	JACK CLAMP	TEMPLATE FOOT	CROWFOOT
Thick jig	ST1200 ST2200					
Thick jig with rail or screws		ST1200 ST2200				ST1200 ST2200
Thick jig			ST1200	ST1200	ST1200	
No jig (pre-hole)			ST1200	ST1200	ST1200	



Any specific requirement can be handled by Seti-Tec line design team. Contact your Desoutter representative for assistance

Controlled drilling

DR500-HCU

For a better control of your drilling operations, the dampened drilling units improve your drilling quality, especially in composite.

The dampening unit reduces the risk of delamination by dampening the thrust during the drilling phase, and at the exit point.



DR500-P18500 - STR25 - C X

- 1 : Pistol tool power
- 2 : Speed level (rpm)
- 3 : HCU Unit Stroke
- 4 : Nose

1 Pistol tool power

DR500: 500W (0,68hp)
DR750: 750W (1hp)

3 HCU Unit Stroke

STR25: 25mm (1")
STR50: 50mm (2")
STR75: 75mm (3")

4 Nose type

CX: Cylindrical (X = diameter)
Q: ¼ turn*
TR: Integrated tripod

MODEL	FREE SPEED 2	MOTOR POWER		STALL TORQUE		WEIGHT	
		rpm	kW	hp	Nm	In.lb	kg
DR500-P5800	5800	0.5	0.68	3.1	27.44	0.67	1.5
DR500-P4300	4300	0.5	0.68	4.2	37.17	0.67	1.5
DR500-P2700	2700	0.5	0.68	6.9	61.07	0.67	1.5
DR500-P1800	1800	0.5	0.68	9.9	87.62	0.84	1.8
DR500-P1400	1400	0.5	0.68	13.4	118.59	0.84	1.8
DR500-P1000	1000	0.5	0.68	18.0	159.3	0.84	1.8
DR500-P600	600	0.5	0.68	28.7	254	0.96	2.1
DR500-P400	400	0.5	0.68	46.0	407.1	0.96	2.1

Technical data

All models:

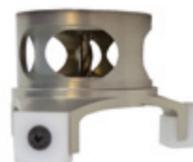
- Air flow 1.4 l/s (30 cfm)
- Air inlet: 1/4"
- Hose int: 10 mm (3/8")
- Collet Serie 200
- Shank diameter : 2.4-9.5 mm
- Internal threaded output (1/2"-20 UNF)
- Vibration level (m/s²): <2,5
- Sound pressure level (dBA): 75

Some parts (Bushings, tripods) will be specific to your application. Please contact your local Desoutter representative for support

Accessories & options

Collets Series 200

DESCRIPTION	PART NO.
Collet Ø2.4 to 3.2mm	615 526 061 0
Collet Ø3.2 to 4mm	615 526 151 0
Collet Ø3.7 to 4.5mm	615 526 152 0
Collet Ø4.2 to 5mm	615 526 153 0
Collet Ø 5.2 to 6mm	615 526 062 0
Collet Ø7.2 to 8mm	615 526 064 0
Collet Ø 8.7 to 9.5mm	615 526 065 0
Collet Ø1/4" (Ø5.55 to 6.35mm)	615 526 063 0



Customizable tripod and bushing

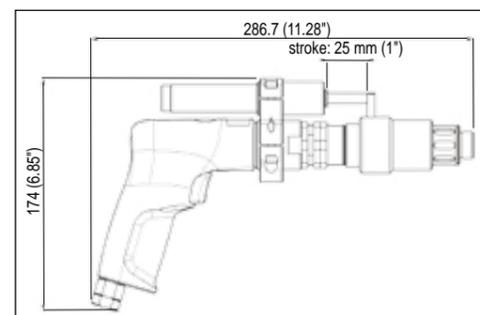


Vacuum



Side Lubrication

Dimensions



Controlled drilling

Manual drilling unit

For a better control of your drilling operations, the Manual Drilling Unit offers controlled feed through a pneumatic piston.

Customizable, you can choose to add a cycle counter, specific tripods and vacuum to suit your application.

Press the trigger, the feed is controlled via the piston and hydraulic control unit. No need to push, reduced risk of delamination in composite.

Run your cycle, when you release the trigger, your drill bit will retract automatically.

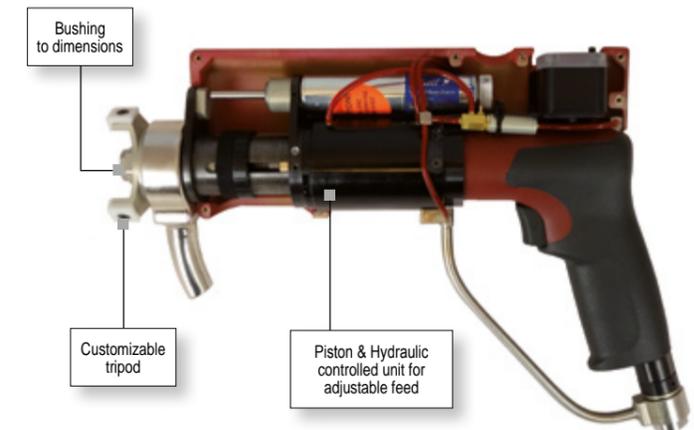


Technical data

All models:

- Air flow 1,4 l/s (30 cfm)
- Air inlet 1/4"
- Hose int: 10 mm (3/8")
- Shank diameter : 2.4-9.5 mm
- Internal threaded output (1/2"-20 UNF)
- Vibration level (m/s²): <2,5
- Sound pressure level (dBA): 75

Some parts (Bushings, tripods) will be specific to your application
Please contact your local Desoutter representative for support



Options



Cycle counter (cutter and tool)



Customizable tripod and bushing



Vacuum



Side Lubrication

Back spot facing applications



We can offer a solution for back spot facing applications, based on the Manual Drilling Unit module.

Rack Feed Drills

• The Rack Feed Drill is a semi-fixture (nose mounted) portable drilling unit, utilising a manual feed through an integral "rack and pinion" mechanism to accommodate the approach drilling and retract cycles. This provides the user with complete control of the feed rate during drilling and allows the user to "feel" the feed rate required. Versatile and flexible, especially when drilling laminates and sandwich materials.

• RFD is suitable for drilling/reaming various materials used in the Aerospace industries e.g. Inconel, Titanium, Steel, Aluminium and Composites.



■ **RFD-100**
Speed range 60 to 2800 rpm
102mm (4") adjustable stroke
13mm (1/2") chuck capacity

■ **RFDT-125**
Speed range 60 to 800 rpm
127mm (5") adjustable stroke
No. 2 Morse taper spindle



For a Vacuum Kit option, please contact your local Desoutter representative

How to select your tool?

- 1 Select material
- 2 Select hole size
- 3 Select tool

RFD Selection

DRILL Ø	TOOL TYPE - RPM			
	Inconel	1 Titanium	Mild Steel	Aluminium
3mm - 1/8"	RFD(T)-330/500	RFD(T)-500	RFD-2800	RFD-2800
5mm - 3/16"	RFD(T)-140/330	RFD(T)-330/500	RFD-1850	RFD-2800
6mm - 1/4"	RFD(T)-140	RFD(T)-140/330	RFD(T)-800	RFD-1850
8mm - 5/16"	RFD(T)-140	RFD(T)-140/330	RFD(T)-800	RFD(T)-800
10mm - 3/8" 2	RFD(T)-85/140	RFD(T)-140 3	RFD(T)-800	RFD(T)-800
13mm - 1/2"	RFD(T)-60/85	RFD(T)-85/140	RFD(T)-500	RFD(T)-800
16mm - 5/8"		RFD(T)-85/140	RFD(T)-330	RFD(T)-800
19mm - 3/4"		RFD(T)-60/85	RFD(T)-85/140	RFD(T)-330/500
25mm - 1"			RFD(T)-60/85	RFD(T)-140/330

Use selection data as a guide only

MODEL	PART NUMBER	FREE SPEED	MAX STROKE		OUTPUT SPINDLE	CHUCK SPINDLE	LENGTH		WEIGHT		AIR FLOW		AIR INLET
			mm	in.			mm	in.	kg	lb	l/s	cfm	
RFD													
RFD-100-2800	681214	2800	102	4		1/2-20 UNF	652	25.67	3.9	8.6	11.8	25	1/4
RFD-100-1850	681394	1850	102	4		1/2-20 UNF	652	25.67	3.9	8.6	11.8	25	1/4
RFD-100-800	680084	800	102	4	Chuck	5/8-16 UNF	652	25.67	3.9	8.6	11.8	25	1/4
RFD-100-500	680164	500	102	4	13mm	5/8-16 UNF	652	25.67	3.9	8.6	11.8	25	1/4
RFD-100-330	680244	330	102	4	(1/2") capacity	5/8-16 UNF	652	25.67	3.9	8.6	11.8	25	1/4
RFD-100-140	1457364	140	102	4		5/8-16 UNF	652	25.67	3.9	8.6	11.8	25	1/4
RFD-100-85	1457374	85	102	4		5/8-16 UNF	652	25.67	3.9	8.6	11.8	25	1/4
RFD-100-60	1457384	60	102	4		5/8-16 UNF	652	25.67	3.9	8.6	11.8	25	1/4
RFDT													
RFDT-125-800	1445654	800	127	5			764	30.08	5.5	12.1	11.8	25	1/4
RFDT-125-500	1445664	500	127	5	No. 2		764	30.08	5.5	12.1	11.8	25	1/4
RFDT-125-330	1445674	330	127	5	Morse		764	30.08	5.5	12.1	11.8	25	1/4
RFDT-125-140	1445504	140	127	5	Taper		764	30.08	5.5	12.1	11.8	25	1/4
RFDT-125-85	1445514	85	127	5			764	30.08	5.5	12.1	11.8	25	1/4
RFDT-125-60	1445524	60	127	5			764	30.08	5.5	12.1	11.8	25	1/4

All models: Hose int. 10 mm (3/8")

Accessories

ACCESSORIES INCLUDED

	PART NUMBER	
	RFD	RFDT
• Chuck with key capacity 13mm (1/2")	29142	-
• Extended Nose (1" x 14 LH nose thread)	251043	-
• Bayonet Plate - 45mm (1.77") centres	251063	-
• Bayonet Plate - 76mm (2.99") centres	-	35323

OPTIONAL ACCESSORIES

For more details on the following Part Numbers, please contact your local Desoutter representative

Bayonet Plates

	A	Ø B	C
Locating centres - 38mm (1.50")	3/4" x 16 (LH)	14.2mm (0.559")	9.5mm (3/8")
Locating centres - 45mm (1.77")	1" x 14 (LH)	19.05mm (3/4")	9.5mm (3/8")
Locating centres - 45mm (1.77")	1 1/8" x 20 (LH)	19.05mm (3/4")	9.5mm (3/8")
Locating centres - 76mm (2.99")	2 3/32" x 16 (LH)	38.1mm (1.150")	12.7mm (1/2")

Nose Attachments

NOSE TYPE	TO SUIT BAYONET PLATE CENTRES	THREAD 'A'
1	38mm (1.50")	3/4" x 16 (LH)
2	38mm (1.50")	3/4" x 16 (LH)
2	45mm (1.77")	1" x 14 (LH)
3	-	1-1/4" x 12 (LH)
3	-	1-1/4" x 12 (LH)
3	-	2" x 16 (LH)

Extension Tubes

NOMINAL STROKE AVAILABLE TO DRILL	LENGTH 'A'
• 80mm (3.15")	170mm (6.69")

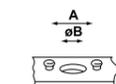
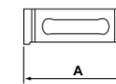
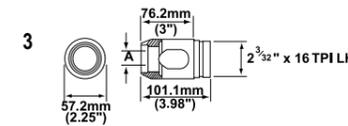
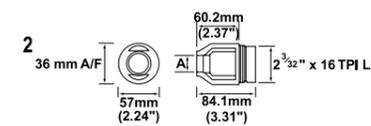
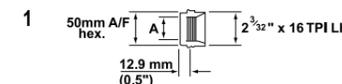
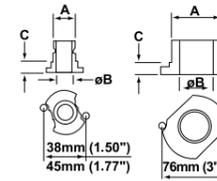
Jig Plates

CENTRE "A"
38mm (1.50")
45mm (1.77")

Drill bushes

ATTACHMENT	"Ø B"
ø 14.2mm	Ø 10 to 14mm
ø 19.05mm	Ø 10 to 18mm
ø 38.01mm	Ø 22 to 35mm

For dimension 'ØB' please ask for details of our range of drill bushes



Drill Selection Guide

How to select your tool:

1 Select material 2 Select hole size 3 Define speed

TOOL TYPE	FREE SPEED	TITANIUM	STAINLESS STEEL	HARD CAST IRON, MEDIUM HARD STEEL	SOFT CAST IRON, MILD STEEL	HARD PLASTICS	ALUMINIUM, BRASS, COPPER, BRONZE	COMPOSITE	WOOD, SOFT PLASTICS, CHIPBOARD
	rpm		9-15m/min	10-20m/min	20-35m/min	30-40m/min	50-80m/min	50-100m/min	80-120m/min
Drill ø mm									
30°, 45°, 90°, 360° COMPACT HEAD									
DR300-QR	5500	-	-	-	-	3.0 (1/8")	5.0 (3/16")	5.0 (3/16")	5.0 (3/16")
	4500	-	-	-	-	3.0 (1/8")	5.0 (3/16")	5.0 (3/16")	5.0 (3/16")
	3000	3	-	-	3.0 (1/8") 2	5.0 (3/16")	5.0 (3/16")	5.0 (3/16")	-
DR300-T5/S5	2000	-	3.0 (1/8")	4.0 (5/32")	5.0 (3/16")	-	-	-	-
	1000	-	4.0 (5/32")	5.0 (3/16")	-	-	-	-	-
45°, 90°, 360° STANDARD HEAD									
DR300-QR	5500	-	-	-	-	3.0 (1/8")	6.0 (1/4")	5.0 (3/16")	6.5 (1/4")
	4500	-	-	-	-	3.0 (1/8")	6.0 (1/4")	5.0 (3/16")	6.5 (1/4")
	3000	-	-	-	3.0 (1/8")	5.0 (3/16")	6.5 (1/4")	6.5 (1/4")	-
DR300-T6/S6	2000	-	3.0 (1/8")	4.0 (5/32")	6.5 (1/4")	6.5 (1/4")	-	6.5 (1/4")	-
	1000	-	4.0 (5/32")	6.0 (1/4")	6.5 (1/4")	-	-	-	-
	550	6.0 (1/4")	6.5 (1/4")	6.5 (1/4")	-	-	-	-	-
90° HEAVY DUTY									
DR300-THD/SHD	2000	-	3.0 (1/8")	3.0 (1/8")	6.0 (1/4")	8.0 (5/16")	8.0 (5/16")	8.0 (5/16")	8.0 (5/16")
	900	-	7.0 (9/32")	8.0 (5/16")	8.0 (5/16")	-	-	-	-
	2000	-	3.0 (1/8")	3.0 (1/8")	6.0 (1/4")	6.5 (1/4")	6.5 (1/4")	6.5 (1/4")	6.5 (1/4")
	900	-	6.5 (1/4")	6.5 (1/4")	6.5 (1/4")	-	-	-	-
PISTOL GRIP									
DR350	20000							4.0 (5/32")	2.0 (5/64")
ø8-10 mm (5/16" - 3/8") cap.	5500						4.0 (5/32")	5.0 (3/16")	6.0 (1/4")
	4500					3.0 (1/8")	6.0 (1/4")	10.0 (13/32")	8.0 (5/16")
	3000				4.0 (5/32")	5.0 (3/16")	8.0 (5/16")		
	2000		3.0 (1/8")	4.0 (5/32")	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")		
	1000		4.0 (5/32")	6.0 (1/4")	8.0 (5/16")				
	550	6.0 (1/4")	8.0 (5/16")						
DR500	18500							4.0 (5/32")	2.0 (5/64")
ø8-13 mm (5/16" - 1/2") cap.	5800						4.0 (5/32")	5.0 (3/16")	6.0 (1/4")
	4300					3.0 (1/8")	6.0 (1/4")	10.0 (13/32")	12.0 (1/2")
	2700			3.0 (1/8")	4.0 (5/32")	5.0 (3/16")	8.0 (5/16")	12.0 (1/2")	
	1800		3.0 (1/8")	4.0 (5/32")	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")		
	1400		4.0 (5/32")	5.0 (3/16")	9.0 (11/32")	11.0 (7/16")			
	1000		5.0 (3/16")	6.0 (1/4")	10.0 (13/32")				
	600	3.0 (1/8")	7.0 (9/32")	8.0 (5/16")	12.0 (1/3")				
	400	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")					
DR750	20000						2.0 (5/64")	2.0 (5/64")	
ø8-13 mm (5/16" - 1/2") cap.	6000						4.0 (5/32")	5.0 (3/16")	6.0 (1/4")
	4100					3.0 (1/8")	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")
	3300				3.0 (1/8")	4.0 (5/32")	8.0 (5/16")	10.0 (13/32")	12.0 (1/2")
	2700			3.0 (1/8")	4.0 (5/32")	5.0 (3/16")	10.0 (13/32")	13.0 (1/2")	15.0 (19/32")
	1300		4.0 (5/32")	5.0 (3/16")	9.0 (11/32")	11.0 (7/16")	19.0 (3/4")		30.0 (13/16")
	750	3.0 (1/8")	7.0 (9/32")	8.0 (5/16")	15.0 (19/32")	19.0 (3/4")	30.0 (13/16")		
	400	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")					
STRAIGHT CASE									
DR300-T	20000							4.0 (5/32")	2.0 (5/64")
ø8-10 mm (5/16" - 3/8") cap.	5500						4.0 (5/32")	5.0 (3/16")	6.0 (1/4")
	4500					3.0 (1/8")	6.0 (1/4")	8.0 (5/16")	
	3000				4.0 (5/32")	5.0 (3/16")	8.0 (5/16")		
	2000		3.0 (1/8")	4.0 (5/32")	6.0 (1/4")	8.0 (5/16")			
	1000	3.0 (1/8")	4.0 (5/32")	6.0 (1/4")	8.0 (5/16")				
	550	6.0 (1/4")	8.0 (5/16")						

* above standard chuck capacity

Multi Drills



- Modular product range to boost you productivity
- Full flexibility for difficult access applications
- Lightweight and excellent ergonomics
- Robust built, reliable design and excellent run-out

12 positions, 360° orientation

Flexibility
Excellent accessibility

Quick-Release head

Productivity
1 tool for all applications

Safety
Ergonomics
Low weight
Low sound levels
Vacuum kits options



Multi-Drills



A
DR350 Series
350 W (0.5hp) / 1000 to 5500 rpm



B
DR300 Series
300 W (0.4hp) / 550 to 5500 rpm



C
DR450 Series
450 W (0.6hp) 400 to 18500 rpm
Not to use with compact head

PIC REF	MODEL	PART NUMBER	FREE SPEED		MOTOR POWER		WEIGHT		LENGTH		AIR FLOW		AIR INLET
			rpm		W	hp	kg	lb	mm	in.	l/s	cfm	
A	DR350-P5500-QR	205 147 984 4	5500		350	0.5	0.50	1.10	169	6.65	9.5	20	1/4
A	DR350-P3000-QR	205 147 528 4	3000		350	0.5	0.50	1.10	169	6.65	9.5	20	1/4
A	DR350-P1000-QR	205 147 981 4	1000		350	0.5	0.58	1.27	187	7.36	9.5	20	1/4
A	DR350-P4500-QR	205 147 983 4	4500		350	0.5	0.58	1.27	187	7.36	9.5	20	1/4
B	DR300-T5500-QR	205 147 527 4	5500		300	0.4	0.50	1.10	186	7.32	9.5	20	1/4
B	DR300-T4500-QR	205 147 526 4	4500		300	0.4	0.50	1.10	186	7.32	9.5	20	1/4
B	DR300-T3000-QR	205 147 525 4	3000		300	0.4	0.50	1.10	186	7.32	9.5	20	1/4
B	DR300-T2000-QR	205 147 524 4	2000		300	0.4	0.50	1.10	186	7.32	9.5	20	1/4
B	DR300-T1000-QR	205 147 523 4	1000		300	0.4	0.58	1.27	203	7.99	9.5	20	1/4
B	DR300-T550-QR	205 147 522 4	550		300	0.4	0.58	1.27	203	7.99	9.5	20	1/4
C	DR450-TSPEED-QR		1800-2700-4300-5800-18500		450	0.6	0.72	1.58	193	7.60	14	30	1/4
C	DR450-TSPEED-QR		SPEED = 400-600-1000-1400-1800		450	0.6	0.64	1.41	207	8.15	14	30	1/4

All models: Hose int. 6 mm (1/4")
Pistol model: Other speed on request (550 & 2000 rpm)

QUICK RELEASE HEADS

PIC REF	DESIGNATION	PART NUMBER	LENGTH L		COLLET MAX. CAPACITY		WEIGHT	
			mm	in.	mm	in.	kg	lb

COMPACT ANGLE HEADS

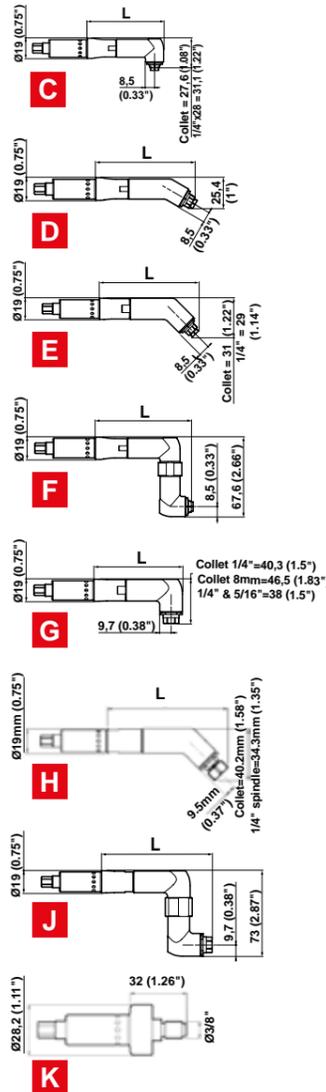
C	Short Compact 90° angle head Collet spindle - T5-90	205 053 981 3	54.0	2.13	5.0	3/16	0.15	0.33
C	Compact 90° angle head Collet spindle - T5-90	205 050 331 3	72.0	2.83	5.0	3/16	0.17	0.37
C	Compact 90° angle head 1/4" x 28 spindle - S5-90	205 050 332 3	72.0	2.83	-	-	0.17	0.37
D	Compact 30° angle head Collet spindle - T5-30	205 050 329 3	82.9	3.26	5.0	3/16	0.17	0.37
D	Compact 30° angle head 1/4" x 28 spindle - S5-90	205 050 330 3	82.9	3.26	-	-	0.17	0.37
E	Compact 45° angle head Collet spindle - T5-45	205 050 335 3	81.0	3.19	5.0	3/16	0.17	0.37
E	Compact 45° angle head 1/4" x 28 spindle - S5-90	205 050 336 3	79.0	3.11	-	-	0.17	0.37
F	Compact 360° angle head Collet spindle - T5-360	205 050 333 3	81.5	3.21	5.0	3/16	0.25	0.55
F	Compact 360° angle head 1/4" x 28 spindle - S5-360	205 050 334 3	85.2	3.35	-	-	0.25	0.55

STANDARD ANGLE HEADS

G	Standard 90° angle head Collet spindle - T6-90	205 050 338 3	75.7	2.98	6.4	1/4	0.23	0.51
G	Standard 90° angle head Collet spindle - T6-90	205 050 353 3	75.7	2.98	8.0	5/16	0.23	0.51
G	Standard 90° angle head 1/4" x 28 spindle - S6-90	205 050 339 3	75.7	2.98	-	-	0.24	0.53
G	Standard 90° angle head 5/16" x 24 spindle	205 050 340 3	75.7	2.98	-	-	0.23	0.51
H	Standard 45° angle head Collet spindle - T6-45	615 398 702 5	90.7	3.57	6.4	1/4	0.23	0.51
H	Standard 45° angle head 1/4" x 28 spindle - S6-45	615 398 704 5	87.9	3.46	-	-	0.23	0.51
J	Standard 360° angle head Collet spindle - T6-360	205 050 341 3	96.8	3.81	6.4	1/4	0.32	0.70
J	Standard 360° angle head 1/4" x 28 spindle - S6-360	205 050 342 3	94.5	3.72	-	-	0.32	0.70
J	Standard 360° angle head 5/16" x 24 spindle	205 050 343 3	94.5	3.72	-	-	0.32	0.70

STRAIGHT HEAD

K	Chuck mounting 3/8" x 24	205 050 543 3	32.0	1.26	-	-	0.25	0.55
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Multi Drills - Accessories

Collet for Compact Angle Heads: C, D, E & F (30°, 45°, 90° & 360°)

COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.
ø 0.8mm	2152	ø 1.8mm	2252	ø 2.8mm	2352	ø 3.8mm	2452	ø 4.8mm	2552
ø 0.9mm	2162	ø 1.9mm	2262	ø 2.9mm	2362	ø 3.9mm	2462	ø 4.9mm	2562
ø 1.0mm	2172	ø 2.0mm	2272	ø 3.0mm	2372	ø 4.0mm	2472	ø 5.0mm	2572
ø 1.1mm	2182	ø 2.1mm	2282	ø 3.1mm	2382	ø 4.1mm	2482		
ø 1.2mm	2192	ø 2.2mm	2292	ø 3.2mm	2392	ø 4.2mm	2492	ø 1/16"	91442
ø 1.3mm	2202	ø 2.3mm	2302	ø 3.3mm	2402	ø 4.3mm	2502	ø 3/32"	91452
ø 1.4mm	2212	ø 2.4mm	2312	ø 3.4mm	2412	ø 4.4mm	2512	ø 1/8"	91462
ø 1.5mm	2222	ø 2.5mm	2322	ø 3.5mm	2422	ø 4.5mm	2522	ø 5/32"	91472
ø 1.6mm	2232	ø 2.6mm	2332	ø 3.6mm	2432	ø 4.6mm	2532	ø 11/64"	108172
ø 1.7mm	2242	ø 2.7mm	2342	ø 3.7mm	2442	ø 4.7mm	2542	ø 3/16"	91482

Collet for Standard Angle Heads: G, H & J (45°, 90°, 360°)

COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.
ø 1.6mm (1/16")	18922	ø 3.0mm	18992	ø 4.4mm (11/64")	19072	ø 5.8mm	19152
ø 1.8mm	18932	ø 3.2mm (1/8")	19002	ø 4.6mm	19082	ø 6.0mm (15/64")	19162
ø 2.0mm (5/64")	18942	ø 3.4mm	19022	ø 4.8mm (3/16")	19092	ø 6.2mm	19172
ø 2.2mm	18952	ø 3.6mm (9/64")	19032	ø 5.0mm	19102	ø 6.4mm (1/4")	19182
ø 2.4mm	18962	ø 3.8mm	19042	ø 5.2mm (13/64")	19122		
ø 2.6mm	18972	ø 4.0mm (5/32")	19052	ø 5.4mm	19132		
ø 2.8mm (7/64")	18982	ø 4.2mm	19062	ø 5.6mm (7/32")	19142		

Collet for Standard Angle Head: P.N. 205 050 353 3

COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.
ø 2.0mm	615 526 066 0	ø 3.5mm	615 526 070 0	ø 5.0mm	615 526 075 0	ø 7.0mm	615 526 083 0
ø 2.5mm	615 526 068 0	ø 4.0mm	615 526 071 0	ø 5.5mm	615 526 077 0	ø 7.5mm	615 526 084 0
ø 3.0mm	615 526 069 0	ø 4.5mm	615 526 073 0	ø 6.0mm	615 526 079 0	ø 8.0mm	615 526 088 0

ACCESSORIES INCLUDED

ITEM	PART NO.
With DR300	
1 Short lever	205 050 299 3
2 Safety lever	205 050 288 3
With Angle heads C, D, E & F	
3 Collet ø 4.8mm (3/16") capacity	2552
• Flat wrench	615 802 069 0
• Flat wrench	615 802 070 0
With Angle heads G & H	
4 Collet ø 6.4mm (1/4") capacity	19182
• Flat wrenches 10mm	82623

COLOUR IDENTIFICATION	DR300 / DR350	
	SPEED rpm	PART NO.
Black	20000	205 049 447 3
Orange	5500	205 055 003 3
Purple	4500	205 055 004 3
Blue	3000	205 055 005 3

COLOUR IDENTIFICATION	DR300 / DR350	
	SPEED rpm	PART NO.
Red	2000	205 055 006 3
Green	1000	205 055 007 3
Yellow	550	205 055 008 3
Grey	-	-

OPTIONAL ACCESSORIES

VACUUM KIT for Quick release 90° angle head drills		COMPACT ANGLE HEAD		STANDARD ANGLE HEAD	
• All DR300-Txxxx-QR	Collet spindle	+	205 147 989 4	+	205 147 991 4
	1/4" x 28 spindle	+	205 147 989 4	+	205 147 991 4
	5/16" x 24 spindle	+		+	205 147 991 4

OTHER OPTIONAL ACCESSORIES

ITEM	PART NO.
4 Start button with recess plugs	205 050 454 3
5 Side handle	205 049 446 3
• Keyed chuck C6 - 3/8"x24 (Cap. 0.5 to 6.5mm)	205 055 272 3
• Keyed chuck C8 - 3/8"x24 (Cap. 0.5 to 8mm)	205 053 013 3
• Flat wrenches 8-9.5mm for Angle heads C, D, E & F	268263

Angle Drills

Compact Head - Max capacity: 5mm (3/16")
Collet & 1/4" x 28 Spindle



DR300-T...-T/S5-30 Series
300 W (0.4hp) / 1000 to 5500 rpm



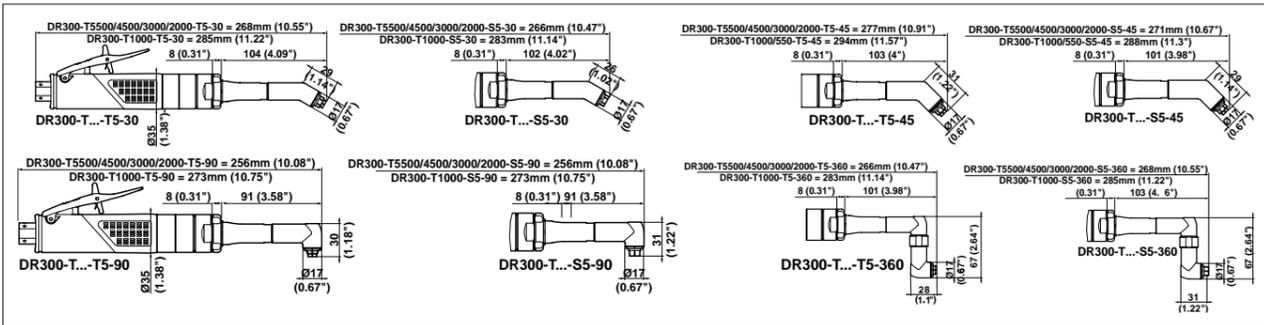
DR300-T...-T/S5-45 Series
300 W (0.4hp) / 550 to 5500 rpm



DR300-T...-T/S5-90 Series
300 W (0.4hp) / 1000 to 5500 rpm



DR300-T...-T/S5-360 Series
300 W (0.4hp) / 1000 to 5500 rpm



ACCESSORIES
see page 32

PIC REF	MODEL	PART NUMBER	MODEL	PART NUMBER	FREE SPEED		MOTOR POWER		WEIGHT	
					rpm	W	hp	kg	lb	
30° - COLLET SPINDLE										
A	DR300-T5500-T5-30	205 147 539 4	DR300-T5500-S5-30	205 147 540 4	5500	300	0.4	0.62	1.36	
A	DR300-T4500-T5-30	205 147 537 4	DR300-T4500-S5-30	205 147 538 4	4500	300	0.4	0.62	1.36	
A	DR300-T3000-T5-30	205 147 535 4	DR300-T3000-S5-30	205 147 536 4	3000	300	0.4	0.62	1.36	
A	DR300-T2000-T5-30	205 147 533 4	DR300-T2000-S5-30	205 147 534 4	2000	300	0.4	0.62	1.36	
A	DR300-T1000-T5-30	205 147 531 4	DR300-T1000-S5-30	205 147 532 4	1000	300	0.4	0.70	1.54	
45° - COLLET SPINDLE										
B	DR300-T5500-T5-45	205 147 580 4	DR300-T5500-S5-45	205 147 581 4	5500	300	0.4	0.68	1.50	
B	DR300-T4500-T5-45	205 147 577 4	DR300-T4500-S5-45	205 147 578 4	4500	300	0.4	0.68	1.50	
B	DR300-T3000-T5-45	205 147 574 4	DR300-T3000-S5-45	205 147 575 4	3000	300	0.4	0.68	1.50	
B	DR300-T2000-T5-45	205 147 571 4	DR300-T2000-S5-45	205 147 572 4	2000	300	0.4	0.68	1.50	
B	DR300-T1000-T5-45	205 147 568 4	DR300-T1000-S5-45	205 147 569 4	1000	300	0.4	0.76	1.67	
B	DR300-T550-T5-45	205 147 565 4	DR300-T550-S5-45	205 147 566 4	550	300	0.4	0.76	1.67	
90° - COLLET SPINDLE										
C	DR300-T5500-T5-90	205 147 551 4	DR300-T5500-S5-90	205 147 552 4	5500	300	0.4	0.62	1.36	
C	DR300-T4500-T5-90	205 147 549 4	DR300-T4500-S5-90	205 147 550 4	4500	300	0.4	0.62	1.36	
C	DR300-T3000-T5-90	205 147 547 4	DR300-T3000-S5-90	205 147 548 4	3000	300	0.4	0.62	1.36	
C	DR300-T2000-T5-90	205 147 545 4	DR300-T2000-S5-90	205 147 546 4	2000	300	0.4	0.62	1.36	
C	DR300-T1000-T5-90	205 147 543 4	DR300-T1000-S5-90	205 147 544 4	1000	300	0.4	0.70	1.54	
360° - COLLET SPINDLE										
D	DR300-T5500-T5-360	205 147 563 4	DR300-T5500-S5-360	205 147 564 4	5500	300	0.4	0.70	1.54	
D	DR300-T4500-T5-360	205 147 561 4	DR300-T4500-S5-360	205 147 562 4	4500	300	0.4	0.70	1.54	
D	DR300-T3000-T5-360	205 147 559 4	DR300-T3000-S5-360	205 147 560 4	3000	300	0.4	0.70	1.54	
D	DR300-T2000-T5-360	205 147 557 4	DR300-T2000-S5-360	205 147 558 4	2000	300	0.4	0.70	1.54	
D	DR300-T1000-T5-360	205 147 555 4	DR300-T1000-S5-360	205 147 556 4	1000	300	0.4	0.78	1.72	

All models: Air flow: 9.5 l/s (20 cfm) - Air inlet 1/4" - Hose int. 6 mm (1/4")

Angle Drills

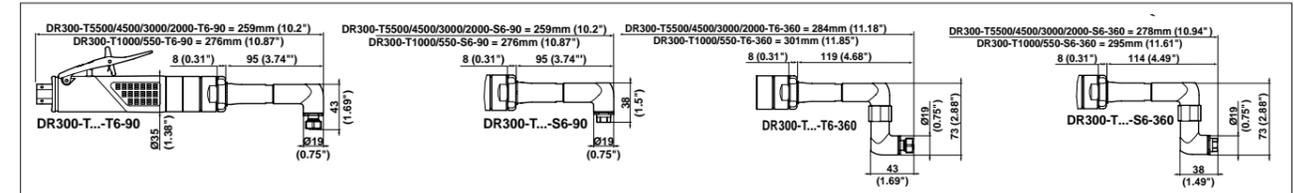
Standard Head - Max capacity: 6.4mm (1/4")
Collet & 1/4" x 28 Spindle



DR300-T...-T/S6-90 Series
300 W (0.4hp) / 550 to 5500 rpm



DR300-T...-T/S6-360 Series
300 W (0.4hp) / 550 to 5500 rpm



Available also with
450 W (0.64hp) power

ACCESSORIES
see page 32

PIC REF	MODEL	PART NUMBER	MODEL	PART NUMBER	FREE SPEED		MOTOR POWER		WEIGHT	
					rpm	W	hp	kg	lb	
90° - COLLET SPINDLE										
A	DR300-T5500-T6-90	205 147 598 4	DR300-T5500-S6-90	205 147 599 4	5500	300	0.4	0.68	1.50	
A	DR300-T4500-T6-90	205 147 595 4	DR300-T4500-S6-90	205 147 596 4	4500	300	0.4	0.68	1.50	
A	DR300-T3000-T6-90	205 147 592 4	DR300-T3000-S6-90	205 147 593 4	3000	300	0.4	0.68	1.50	
A	DR300-T2000-T6-90	205 147 589 4	DR300-T2000-S6-90	205 147 590 4	2000	300	0.4	0.68	1.50	
A	DR300-T1000-T6-90	205 147 586 4	DR300-T1000-S6-90	205 147 587 4	1000	300	0.4	0.76	1.67	
A	DR300-T550-T6-90	205 147 583 4	DR300-T550-S6-90	205 147 584 4	550	300	0.4	0.76	1.67	
360° - COLLET SPINDLE										
B	DR300-T5500-T6-360	205 147 616 4	DR300-T5500-S6-360	205 147 617 4	5500	300	0.4	0.77	1.69	
B	DR300-T4500-T6-360	205 147 613 4	DR300-T4500-S6-360	205 147 614 4	4500	300	0.4	0.77	1.69	
B	DR300-T3000-T6-360	205 147 610 4	DR300-T3000-S6-360	205 147 611 4	3000	300	0.4	0.77	1.69	
B	DR300-T2000-T6-360	205 147 607 4	DR300-T2000-S6-360	205 147 608 4	2000	300	0.4	0.77	1.69	
B	DR300-T1000-T6-360	205 147 604 4	DR300-T1000-S6-360	205 147 605 4	1000	300	0.4	0.85	1.87	
B	DR300-T550-T6-360	205 147 601 4	DR300-T550-S6-360	205 147 602 4	550	300	0.4	0.85	1.87	

All models: Air flow: 9.5 l/s (20 cfm) - Air inlet 1/4" - Hose int. 6 mm (1/4")

Angle Drills

Heavy Duty 90° Angle Head



DR300-T...-THD-90 Series
300 W (0.4hp) / 900 & 2000 rpm



DR300-T...-CHD-90 Series
300 W (0.4hp) / 900 & 2000 rpm



Available also with
450 W (0.64hp) power

PIC REF	MODEL	PART NUMBER	FREE SPEED		MOTOR POWER		WEIGHT		LENGTH		AIR FLOW		AIR INLET
			rpm	W	hp	kg	lb	mm	in.	l/s	cfm.	in.	
90° - COLLET SPINDLE Max capacity: 8mm (5/16")													
A	DR300-T2000-THD-90	615 176 043 0	2000	300	0.4	0.65	1.43	200	7.9	9.5	20	1/4	
A	DR300-T900-THD-90	615 176 044 0	900	300	0.4	0.65	1.43	215	8.5	9.5	20	1/4	
90° - KEY CHUCK Max capacity: 8mm (5/16")													
B	DR300-T2000-CHD-90	615 176 045 0	2000	300	0.4	0.77	1.50	200	7.9	9.5	20	1/4	
B	DR300-T900-CHD-90	615 176 046 0	900	300	0.4	0.77	1.50	215	8.5	9.5	20	1/4	

All models: Air flow: Hose int. 6 mm (1/4")

Accessories for Angle Drills

Collet for Compact Angle Drills DR300-T5.. - Maximum capacity: 5 mm (3/16")

COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.
ø 0.8mm	2152	ø 1.8mm	2252	ø 2.8mm	2352	ø 3.8mm	2452	ø 4.8mm	2552
ø 0.9mm	2162	ø 1.9mm	2262	ø 2.9mm	2362	ø 3.9mm	2462	ø 4.9mm	2562
ø 1.0mm	2172	ø 2.0mm	2272	ø 3.0mm	2372	ø 4.0mm	2472	ø 5.0mm	2572
ø 1.1mm	2182	ø 2.1mm	2282	ø 3.1mm	2382	ø 4.1mm	2482	ø 1/16"	91442
ø 1.2mm	2192	ø 2.2mm	2292	ø 3.2mm	2392	ø 4.2mm	2492	ø 3/32"	91452
ø 1.3mm	2202	ø 2.3mm	2302	ø 3.3mm	2402	ø 4.3mm	2502	ø 1/8"	91462
ø 1.4mm	2212	ø 2.4mm	2312	ø 3.4mm	2412	ø 4.4mm	2512	ø 5/32"	91472
ø 1.5mm	2222	ø 2.5mm	2322	ø 3.5mm	2422	ø 4.5mm	2522	ø 11/64"	108172
ø 1.6mm	2232	ø 2.6mm	2332	ø 3.6mm	2432	ø 4.6mm	2532	ø 3/16"	91482
ø 1.7mm	2242	ø 2.7mm	2342	ø 3.7mm	2442	ø 4.7mm	2542		

Collet for Standard Angle Drills DR300-T6.. - Maximum capacity: 6.4 mm (1/4")

COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.
ø 1.6mm (1/16")	18922	ø 3.0mm	18992	ø 4.4mm (11/64")	19072	ø 5.8mm	19152
ø 1.8mm	18932	ø 3.2mm (1/8")	19002	ø 4.6mm	19082	ø 6.0mm (15/64")	19162
ø 2.0mm (5/64")	18942	ø 3.4mm	19022	ø 4.8mm (3/16")	19092	ø 6.2mm	19172
ø 2.2mm	18952	ø 3.6mm (9/64")	19032	ø 5.0mm	19102	ø 6.4mm (1/4")	19182
ø 2.4mm	18962	ø 3.8mm	19042	ø 5.2mm (13/64")	19122		
ø 2.6mm	18972	ø 4.0mm (5/32")	19052	ø 5.4mm	19132		
ø 2.8mm (7/64")	18982	ø 4.2mm	19062	ø 5.6mm (7/32")	19142		

Collet for Heavy Duty Angle Drills DR300-THD.. - Maximum capacity: 8 mm (5/16")

COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.	COLLET CAPACITY	PART NO.
ø 2.4mm (3/32")	2592	ø 4.0mm (5/32")	2672	ø 5.6mm	2752	ø 7.2mm	2832
ø 2.6mm	2602	ø 4.2mm	2682	ø 5.8mm	2762	ø 7.4mm	2842
ø 2.8mm (7/64")	2612	ø 4.4mm	2692	ø 6.0mm	2772	ø 7.6mm	2852
ø 3.0mm	2622	ø 4.6mm	2702	ø 6.2mm	2782	ø 7.8mm	2862
ø 3.2mm (1/8")	2632	ø 4.8mm (3/16")	2712	ø 6.4 (1/4")	2792	ø 8.0mm (5/16")	2872
ø 3.4mm	2642	ø 5.0mm	2722	ø 6.6mm	2802		
ø 3.6mm (9/64")	2652	ø 5.2mm	2732	ø 6.8mm	2812		
ø 3.8mm	2662	ø 5.4mm	2742	ø 7.0mm	2822		

ACCESSORIES INCLUDED

ITEM	COMPACT DR300-T5..	STANDARD DR300-T6..	COMPACT DR300-S5	STANDARD DR300-S6	HEAVY DUTY DR300-THD	DR300-SHD
1 ø 4.8mm (3/16") capacity collet	2552					
2 ø 6.4mm (1/4") capacity collet		19182				
3 ø 8mm (5/16") capacity collet					2872	
4 Chuck threaded 3/8" UNF - cap 8mm (5/16") with key						205 053 013 3
Chuck key						410213
5 Safety lever	205 050 288 3	205 050 288 3	205 050 288 3	205 050 288 3	205 050 288 3	205 050 288 3
Flat wrench 8-9.5mm	268263					
Flat wrenches 10mm		82623				

OPTIONAL ACCESSORIES

VACUUM KIT for 90° angle head drills	COMPACT ANGLE HEAD	STANDARD ANGLE HEAD
All DR300-T...-T5/S5-90	+	205 147 989 4
All DR300-T...-T6/S6-90	+	205 147 991 4

OTHER OPTIONAL ACCESSORIES

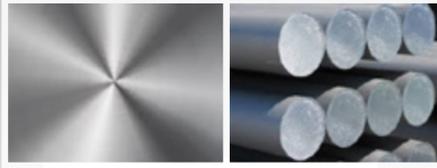
ITEM	DR300-T5.. DR300-S5..	DR300-T6.. DR300-S6..	DR300-THD..	DR300-SHD..
6 Inlet button with lever recess plugs	205 050 454 3	205 050 454 3	205 050 454 3	
7 Short lever	205 050 288 3	205 050 288 3	205 050 288 3	205 050 288 3
8 Side handle				205 049 446 3

Pistol Grip Drills

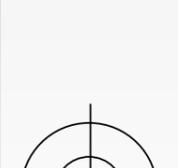


- Wide range of pistol drills with best in class power-to-weight ratio
- We offer a wide range of feed controlled tools (see page 22)

How to make the right selection?



1
Material drilled



2
Diameter



3
Tool power & speed



4
Accessory for each application

Tool range

Our range covers a wide range of applications to answer all your requirements



Pistol Grip Drills



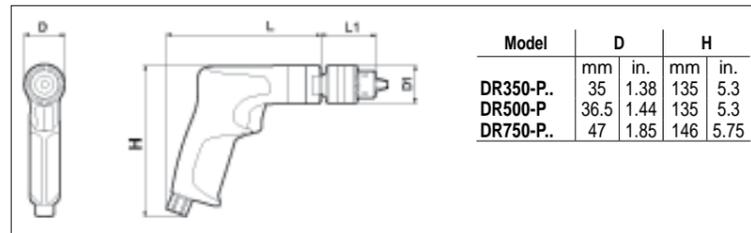
A
DR350 Series
350 W (0.5hp) / 550 to 20000 rpm

B
DR500 Series
500 W (0.68hp) / 400 to 18500 rpm

C
DR750 Series
750 W (1hp) / 400 to 20000 rpm

D

Color rings to identify your tools speed



PIC REF	MODEL	PART NUMBER	MODEL	PART NUMBER	FREE SPEED	MOTOR POWER		STALL TORQUE		WEIGHT W/H CHUCK		LENGTH L	
						rpm	W	hp	Nm	in.lb	kg	lb	mm
DR350 - KEY CHUCK													
A	DR350-P20000-C8	205 147 252 4	DR350-P20000*	205 147 359 4	20000	350	0.5	0.6	5.3	0.49	1.1	120	4.72
A	DR350-P5500-C8	205 147 250 4	DR350-P5500*	205 147 358 4	5500	350	0.5	2.3	20.4	0.49	1.1	136	5.35
A	DR350-P4500-C8	205 147 382 4	DR350-P4500*	205 147 384 4	4500	350	0.5	2.7	23.9	0.49	1.1	136	5.35
A	DR350-P3000-C8	205 147 248 4	DR350-P3000*	205 147 357 4	3000	350	0.5	4.0	35.4	0.49	1.1	136	5.35
A	DR350-P2000-C8	205 147 246 4	DR350-P2000*	205 147 356 4	2000	350	0.5	5.4	47.8	0.49	1.1	136	5.35
A	DR350-P1000-C10	205 147 244 4	DR350-P1000*	205 147 355 4	1000	350	0.5	12.7	112.4	0.57	1.3	154	6.06
A	DR350-P550-C10	205 147 242 4	DR350-P550*	205 147 354 4	550	350	0.5	18.6	164.6	0.57	1.3	154	6.06

All models DR350: Air Flow: 9.5 l/s (20 cfm) - Air Inlet 1/4" - Hose int. 6 mm (1/4") / * Chuck spindle 3/8" x 24 UNF

DR500 - KEY CHUCK													
B	DR500-P18500-C8	205 147 676 4	DR500-P18500*	205 147 678 4	18500	500	0.68	1.0	8.85	0.56	1.2	141	5.55
B	DR500-P5800-C8	205 147 673 4	DR500-P5800*	205 147 675 4	5800	500	0.68	3.1	27.4	0.56	1.2	141	5.55
B	DR500-P4300-C8	205 147 670 4	DR500-P4300*	205 147 672 4	4300	500	0.68	4.2	37.2	0.56	1.2	141	5.55
B	DR500-P2700-C8	205 147 667 4	DR500-P2700*	205 147 669 4	2700	500	0.68	6.9	61.1	0.56	1.2	141	5.55
B	DR500-P1800-C10	205 147 664 4	DR500-P1800*	205 147 666 4	1800	500	0.68	9.9	87.6	0.64	1.4	155	6.1
B	DR500-P1400-C10	205 147 661 4	DR500-P1400*	205 147 663 4	1400	500	0.68	13.4	118.6	0.64	1.4	155	6.1
B	DR500-P1000-C10	205 147 658 4	DR500-P1000*	205 147 660 4	1000	500	0.68	18	159.3	0.64	1.4	155	6.1
B	DR500-P600-C13	205 147 655 4	DR500-P600*	205 147 657 4	600	500	0.68	28.7	254	0.64	1.4	155	6.1
B	DR500-P400-C13	205 147 652 4	DR500-P400*	205 147 654 4	400	500	0.68	46	407	0.64	1.4	155	6.1

All models DR500: Air Flow: 14 l/s (30 cfm) - Air inlet: 1/4" - Hose int. 10 mm (3/8") / * Chuck spindle 3/8" x 24 UNF

DR750 - KEY CHUCK													
C	DR750-P20000-C8	205 146 659 4	DR750-P20000*	205 147 458 4	20000	750	1	1.6	14.2	0.9	2.0	152	5.98
C	DR750-P6000-C8	1465124	DR750-P6000*	205 147 417 4	6000	750	1	5.3	46.9	0.9	2.0	152	5.98
C	DR750-P4100-C8	1465114	DR750-P4100*	205 147 456 4	4100	750	1	7.1	62.8	0.9	2.0	152	5.98
C	DR750-P3300-C10	1465104	DR750-P3300*	205 147 455 4	3300	750	1	9.6	85.0	0.9	2.0	152	5.98
C	DR750-P2700-C10	1465094	DR750-P2700*	205 147 416 4	2700	750	1	11.1	98.2	0.9	2.0	152	5.98
C	DR750-P1300-C10	1465084	DR750-P1300*	205 147 415 4	1300	750	1	24	211	1.15	2.5	184	7.24
C	DR750-P750-C13	1465074	DR750-P750**	205 147 452 4	750	750	1	41	363	1.15	2.5	184	7.24
C	DR750-P400-C13	205 146 658 4	DR750-P400**	205 147 451 4	400	750	1	55	487	1.15	2.5	184	7.24

DR750 - JACOBS TAPER 1 SPINDLE - WITHOUT CHUCK													
D	DR750-P20000-JT1	205 146 667 4	DR750-P20000*	205 147 458 4	20000	750	1	1.6	14.2	0.9	2.0	152	5.98
D	DR750-P6000-JT1	205 146 666 4	DR750-P6000*	205 147 417 4	6000	750	1	5.3	46.9	0.9	2.0	152	5.98
D	DR750-P4100-JT1	205 146 665 4	DR750-P4100*	205 147 456 4	4100	750	1	7.1	62.8	0.9	2.0	152	5.98
D	DR750-P3300-JT1	205 146 664 4	DR750-P3300*	205 147 455 4	3300	750	1	9.6	85.0	0.9	2.0	152	5.98
D	DR750-P2700-JT1	205 146 663 4	DR750-P2700*	205 147 416 4	2700	750	1	11.1	98.2	0.9	2.0	152	5.98
D	DR750-P1300-JT1	205 146 662 4	DR750-P1300*	205 147 415 4	1300	750	1	24	211	1.15	2.5	184	7.24
D	DR750-P750-JT1	205 146 661 4	DR750-P750**	205 147 452 4	750	750	1	41	363	1.15	2.5	184	7.24
D	DR750-P400-JT1	205 146 660 4	DR750-P400**	205 147 451 4	400	750	1	55	487	1.15	2.5	184	7.24

All models DR750: Air Flow: 14 l/s (30 cfm) - Air inlet: 1/4" - Hose int. 10 mm (3/8") / Chuck spindle: * 3/8" x 24 UNF / ** 1/2" x 20 UNF

Accessories

CHUCK SELECTION GUIDE FOR DR300-T... / DR350-P... / DR500-P... / DR750-P...

CHUCK PART NO.	CHUCK MOUNT	CHUCK CAPACITY		DIMENSIONS				WEIGHT		PART NO. KEY	DR3...P...C8 DR500-P...C8 DR750-P...C8	DR3...P...C10 DR500-P...C10 DR750-P...C10	DR500-P...C13 DR750-P...C13	DR750-P... JT1
		mm	in.	D1	L1	mm	in.	mm	in.					
205 055 272 3	3/8"-24	0.5 - 6.5	1/4	29.3	1.15	42.5	1.67	121	0.27	29182	O	O	O	
205 053 013 3	3/8"-24	0.5 - 8	5/16	29.3	1.15	42.5	1.67	120	0.26	410213	I			
205 052 954 3	3/8"-24	1 - 10	3/8	37	1.46	49.5	1.95	204	0.45	29232		I		
473113	3/8"-24	1.5 - 13	1/2	42	1.67	59	2.32	371	0.82	895 101 145 3			I	
29142	1/2"-20	1.5 - 13	1/2	42	1.67	59	2.32	362	0.80	895 101 145 3			I	
29492	1JT	0.5 - 6.5	1/4	29.3	1.15	42.5	1.67	112	0.25	29182				O
29042	1JT	0.8 - 10	3/8	34.5	1.36	48	1.89	231	0.51	29232				O
34752	2JT	1 - 10	3/8	42	1.67	61.5	2.4	386	0.85	895 101 145 3				O*
34332	2JT	1 - 13	1/2	50	1.97	67.5	2.66	900	1.98					O*
473433	3/8"-24	0 - 8	5/16	32	1.26	61.5	2.4	285	0.63		O	O		
473423	3/8"-24	0.5 - 10	3/8	35.8	1.4	66	2.6	390	0.86		O			
205 047 819 3	3/8"-24	1 - 13	1/2	40	1.58	76.3	3	559	1.23				O	
205 056 060 3	1/2"-20	1 - 13	1/2	40	1.58	76.3	3	548	1.21				O	
524.09	1JT	0 - 6.5	1/4	32	1.26	59.5	2.34	284	0.62					O
524.15	1JT	0.5 - 10	3/8	35.8	1.4	66	2.6	390	0.86					O
524.10	2JT	0.5 - 10	3/8	40	1.58	87.5	3.4	636	1.4					O*
524.16	2JT	1 - 13	1/2	46	1.8	91	3.6	904	1.99					O*

* To use JT2 chuck on DR750, add adaptor P.N. 12243

I INCLUDED WITH THE TOOL
O OPTIONAL ACCESSORIES

ACCESSORIES INCLUDED

ITEM	DR350-P...C8 DR500-P...C8 DR750-P...C8.	DR350-P...C10 DR500-P...C10 DR750-P...C10	DR500-P...C13 DR750-P...C13
1	Chuck guard for DR350-P...C	205 049 275 3	
1	Chuck guard for DR500-P...C	205 049 486 3	
1	Chuck guard for DR750-P...C8 & C10	473143	473143
2	Side handle for DR350-P550 & P1000	205 049 446 3	205 053 102 3
2	Side handle for DR500-P400 to P1800		205 053 102 3
2	Side handle for DR750-P	473173	473173
3	Suspension bail for DR750-P	473153	473153

COLOUR IDENTIFICATION	DR350	
	SPEED	PART NO.
	rpm	
Black	20000	205 049 447 3
Orange	5500	205 055 003 3
Purple	4500	205 055 004 3
Blue	3000	205 055 005 3

COLOUR IDENTIFICATION	DR350	
	SPEED	PART NO.
	rpm	
Red	2000	205 055 006 3
Green	1000	205 055 007 3
Yellow	550	205 055 008 3

OPTIONAL ACCESSORIES

VACUUM KIT for DR350 & 500	DR350	DR500
• Shroud ø 20mm (for C6 or C8 type)	+ 205 147 985 4	205 147 987 4
• Shroud ø 40mm (for C6 or C8 type)	+ 205 147 986 4	205 147 988 4

OTHER OPTIONAL ACCESSORIES

ITEM	DR350-P...	DR500-P...	DR750-P...	DR750-P...JT1 MOUNT
• Chuck guard for DR750-P...JT1 with chuck key - cap 6.5mm (1/4")				473143
2	Side handle for DR350 / 500	205 049 446 3	205 053 102 3	
• Adaptor - JT1 female to JT2 male (for DR750-P...JT1)				12243
• Flat wrench, 12.7mm (1/2")				15533



Straight Grip Drills



A

DR300 Series
300 W (0.4hp) / 550 to 20000 rpm

Available also with
450 W (0.64hp) power

PIC REF	MODEL	PART NUMBER	MODEL	PART NUMBER	FREE SPEED	MOTOR POWER		STALL TORQUE		WEIGHT W/H CHUCK		LENGHT	
						rpm	W	hp	Nm	in.lb	kg	lb	mm
DR300 - KEY CHUCK					DR300 - WITHOUT CHUCK								
A	DR300-T20000-C8	205 147 496 4	DR300-T20000*	205 147 495 4	20000	300	0.4	0.6	5.3	0.34	0.75	145	5.71
A	DR300-T5500-C8	205 147 493 4	DR300-T5500*	205 147 492 4	5500	300	0.4	2.3	20.4	0.47	1.04	159	6.26
A	DR300-T4500-C8	205 147 490 4	DR300-T4500*	205 147 489 4	4500	300	0.4	2.7	23.9	0.47	1.04	159	6.26
A	DR300-T3000-C8	205 147 487 4	DR300-T3000*	205 147 486 4	3000	300	0.4	4.0	35.4	0.47	1.04	159	6.26
A	DR300-T2000-C8	205 147 484 4	DR300-T2000*	205 147 483 4	2000	300	0.4	5.4	47.8	0.47	1.04	159	6.26
A	DR300-T1000-C10	205 147 481 4	DR300-T1000*	205 147 480 4	1000	300	0.4	12.7	112.4	0.52	1.15	176	6.93
A	DR300-T550-C10	205 147 478 4	DR300-T550*	205 147 477 4	550	300	0.4	18.6	164.6	0.52	1.15	176	6.93

All models DR300: Air Flow: 9.5 l/s (20 cfm) - Air Inlet 1/4" - Hose int. 6 mm (1/4") / *Chuck spindle 3/8" x 24 UNF

ACCESSORIES INCLUDED

ITEM	DR300-P...C8	DR300-P...C10
1 Keyed chuck 3/8" UNF - cap 8mm (5/16") (with key)	205 053 013 3	-
1 Keyed chuck 3/8" UNF - cap 10mm (3/8") (with key)	-	205 052 954 3
• Chuck key	410213	29232
2 Chuck guard for DR300-P...C8	615 049 275 3	-
3 Side handle for DR300-T...C10	-	205 049 446 3
4 Safety lever for DR300-T...	205 050 288 3	205 050 288 3
• Exhaust hose for DR300-T...	205 051 259 3	205 051 259 3

COLOUR IDENTIFICATION	DR300	
	SPEED rpm	PART NO.
Black	20000	205 049 447 3
Orange	5500	205 055 003 3
Purple	4500	205 055 004 3
Blue	3000	205 055 005 3

COLOUR IDENTIFICATION	DR300	
	SPEED rpm	PART NO.
Red	2000	205 055 006 3
Green	1000	205 055 007 3
Yellow	550	205 055 008 3

OPTIONAL ACCESSORIES

ITEM	DR300-T...C8	DR300-T...C10
3 Side handle for DR300-T...C8	205 049 446 3	-
5 Suspension Bail	39433	39433
6 Short lever	205 050 299 3	205 050 299 3
7 Inlet button with lever recess plugs	205 050 454 3	205 050 454 3

Vacuum & Color Identification

VACUUM



VACUUMS

- Efficient Vacuum system to collect harmful drilling dust & burrs
- Easy adaptation to standard tool
- Easy to use
- Available both for DR350 & DR500
- 2 shroud sizes 20 & 40mm.



VACUUM KIT		DR350	DR500
• Shroud Ø 20mm	+	205 147 985 4	205 147 987 4
• Shroud Ø 40mm	+	205 147 986 4	205 147 988 4

COMPACT ANGLE DRILLS	STANDARD ANGLE DRILLS
205 147 989 4	205 147 991 4

COLOUR IDENTIFICATION

COLOUR IDENTIFICATION	DR300 / DR350	
	SPEED rpm	PART NO.
Black	20000	205 049 447 3
Orange	5500	205 055 003 3
Purple	4500	205 055 004 3
Blue	3000	205 055 005 3
Red	2000	205 055 006 3
Green	1000	205 055 007 3
Yellow	550	205 055 008 3
Grey	-	-



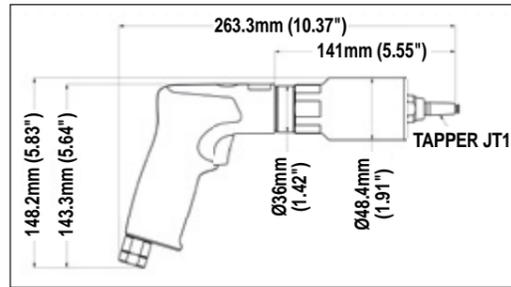
COLOR RINGS
Error-proof your production line with an easy identification your tool speed

Tappers



A

T500 Series
0.5 kW (0.68hp) / 400 & 600 rpm

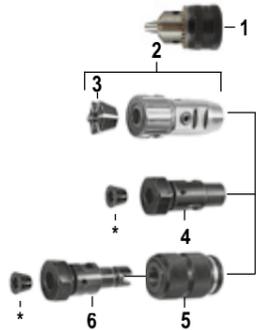


PIC REF	MODEL	PART NUMBER	FREE SPEED	REVERSE SPEED	MOTOR POWER		MAX. TAPPING TORQUE		WEIGHT		LENGTH		AIR FLOW		AIR INLET
					kW	hp	STEEL	ALUMINIUM	kg	lb	mm	in.	l/s	cfm	

TAPPERS

A	T500-P400	205 147 995 4	400	800	0.5	0.68	M10	M12	0.64	1.4	263	10.4	14	30	1/4
A	T500-P600	205 147 996 4	600	1200	0.5	0.86	M10	M12	0.64	1.4	263	10.4	14	30	1/4

All models : Hose int. 10 mm (3/8")



OPTIONAL ACCESSORIES

ITEM		PART NO.
1	Keyed chuck (1JT) - 0.8 to 10mm (3/8") (with key) T500-P400	29042
1	Keyed chuck (1JT) - 0.5 to 6.5mm (1/4") (with key) T500-P600	29492
	• Chuck key - T500-P400	29232
	• Chuck key - T500-P600	410213
2	Precision collet tap holder (including collet cap. M3 to M8)	29452
	• Collet capacity M3 to M7 (1/8" to 9/32")	29482
	• Collet capacity M4 to M8 (5/32" to 5/16")	29472
3	Collet capacity M6 to M12 (15/64" to 15/32")	97982
4	Tap Holder (1 JT)	69922
5	Quick Release Chuck (1 JT)	16852
6	Quick Release Tap Holder (1 JT)	69872

Collets for Tap Holders:

TAP SIZE		BA	SHANK DIA.		PART NO
mm	in.		mm	in.	
M2.2 & M2.5		6 & 8	2.8		2612
M3	1/8	5	3.2		2632
M3.5		4	3.6		2652
M4			4.0		2672
M4.5		3	4.5		2702
M5	3/16	2	5.0		2722
M5.5	7/32	1	5.6		2752
M6	1/4	0	6.3		2792
M7	9/32		7.1		2832
M8 & M11	5/16 & 7/16		8.0		2872
M9 & M12	1/2		9.0		69882
M10	3/8		10.0		69892

*Wrench for Tap Holder collet nut

*2mm A/F hexagon key for Tap Holder grub screws

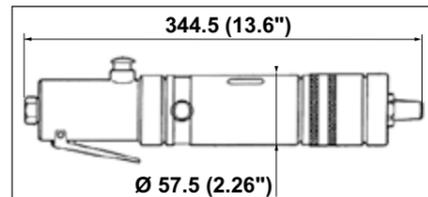
29443

206773



A

2H16 Series
Variable speed setting
90 to 500 rpm - 90 to 240 Nm



PIC REF	MODEL	PART NUMBER	LOW SPEED SETTING	HIGH SPEED SETTING	MAX. TAPPING TORQUE		WEIGHT		AIR FLOW		AIR INLET
					LOW SPEED	HIGH SPEED	kg	lb	l/s	cfm	

TAPPERS

A	2H16-L-160/500-B18	1434264	160	500	140	103	47	34.7	3.1	6.8	15.6	33	3/8
A	2H16-L-90/250-B18	1434344	90	250	240	177	90	66.4	3.1	6.8	15.6	33	3/8

All models: Hose int. 10 mm (3/8")

Deburring tools & Rivet Shaver



C27-LX Series
150 rpm
Collet size 6.4mm (1/4")

A



C27-PS Series
Push start
Speed regulation from 300 to 1000 rpm

B



RS450-T series
18500 rpm

D



RS500 Series
18500 rpm

C

PIC REF	MODEL	PART NUMBER	FREE SPEED	COLLET SIZE		MAXIMUM CUTTER DIA.		WEIGHT		LENGTH		AIR FLOW		AIR INLET	HOSE INT. Ø	
				mm	in.	mm	in.	kg	lb	mm	in.	l/s	cfm	in.	mm	in.

HOLE DEBURRING TOOL - LEVER START (integral speed regulator)

A	C27-LX-1500	615 176 047 0	150	6.4 (1/4")*	-	-	0.59	1.31	235	9.3	9.5	20	1/4	6	1/4
---	-------------	---------------	-----	-------------	---	---	------	------	-----	-----	-----	----	-----	---	-----

HOLE DEBURRING TOOL - PUSH START (integral speed regulator)

B	C27-PS	-	300-1000	-	9.5	3/8	0.42	0.93	225	8.9	7.3	15.5	3/8	10	3/8
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RIVET SHAVER (for accessory 1/4"-26 WHIT)

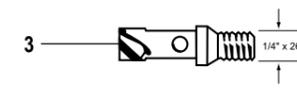
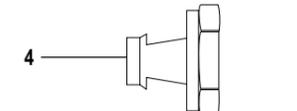
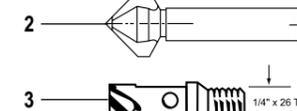
C	RS500-P18500	205 148 130 4	18500	-	14.3	9/16	1.2	2.6	212	8.4	14	30	1/4	10	3/8
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RIVET SHAVER (for accessory 1/4"-28 UNF)

C	RS500-P18500	205 148 129 4	18500	-	14.3	9/16	1.2	2.6	212	8.4	14	30	1/4	10	3/8
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D	RS450-T18500	-	18500	-	14.3	9/16	1.2	2.64	216	8.5	9.31	19.7	3/8	10	3/8
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*: If speed adjustment is needed, you can do it with flow regulator PN LC121737



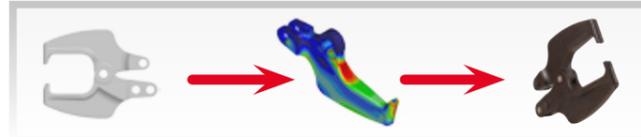
ACCESSORIES INCLUDED

ITEM	C27-LX	RS500
• ø 6.4mm (1/4") capacity collet	615 526 059 0	
1 Safety lever	205 050 288 3	
• Exhaust hose (with clamp ring)	205 051 259 3	
2 Cutter (90° point) - 10mm dia	91572	
3 Cutter - carbide tipped (11.1mm 7/16" dia)		70602
4 Cutter Guard ø11,1mm (ø 7/16")		18822
• Suspension Bail	39433	
• Exhaust hose	222453	
• Exhaust Hose Clip	235203	
• Collet Nut Wrench	18583	
• Collet Spindle Wrench	159003	15533
• Cutter Guard Wrench		38873
• Bit stop	322053	

OPTIONAL ACCESSORIES

ITEM	RS500
3 Cutter - carbide tipped ø6.4mm (ø1/4")	70572
3 Cutter - carbide tipped ø7.9mm (ø5/16")	70582
3 Cutter - carbide tipped ø9.5mm (ø3/8")	70592
3 Cutter - carbide tipped ø12.7mm (ø1/2")	70622
4 Cutter Guard ø6.4mm (ø1/4")	18782
4 Cutter Guard ø7.9mm (ø5/16")	18792
4 Cutter Guard ø9.5mm (ø3/8")	18802
4 Cutter Guard ø12.7mm (ø1/2")	18832
4 Cutter Guard ø14.3mm (ø9/16")	18842

Compression Tools



**SQUEEZERS FOR YOUR SPECIAL JAWS
DESOUTTER TEAM CAN OFFER:**

- Full expertise on jaw design and FEM analysis
- Guaranteed operator safety
- Optimized weight

How to select the right tool?



1

Rivet

Material
Diameter



2

Application

Accessibility
Customer specification



3

Select tool

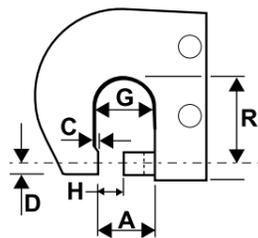
Power required (p.189)
C-Yoke or Alligator
Gap & Reach figures



4

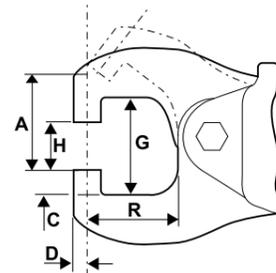
Select Rivet set & shims

Rivet set shank
Rivet set type
Rivet set length



Jaw and Yoke Terminology:
(rivet sets are not in place
in this illustration)

- A Throat gap
- C Anvil work clearance
- D Lower offset
- G Total yoke gap
- H Closed height
- R Reach



C YOKE MODEL	A		C		D		G		H		R	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
CP0214CELEL	32	1-1/4	-	-	5	3/16	32	1-1/4	17.5	11/16	38	1-1/2
CP0214FALEL	32	1-1/4	-	-	5	3/16	32	1-1/4	17.5	11/16	38	1-1/2
CP0214SETEL	32	1-1/4	-	-	6.4	1/4	32	1-1/4	17.5	11/16	38	1-1/2
CP0214KETEL	32	1-1/4	-	-	6.4	1/4	32	1-1/4	17.5	11/16	38	1-1/2
CP0351CUDEL	39	1-17/32	-	-	5.5	7/32	29	1-5/32	20	25/32	54	2-1/8
CP0351FUDEL	39	1-17/32	-	-	5.5	7/32	29	1-5/32	20	25/32	54	2-1/8
CP0341CUDEL	57	2-1/4	3	1/8	9	11/32	70	2-3/4	25	1	54	2-1/8
CP0214FAXEL	44	1-3/4	-	-	5	3/16	44	1-3/4	17.5	11/16	50.8	2.5

ALLIGATOR MODEL	A		D		G		H		R	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
CP0214ANGEL	54	2-1/8	5.5	7/32	54	2-1/8	22	7/8	76	3
CP0214ENGEL	54	2-1/8	5.5	7/32	54	2-1/8	22	7/8	76	3
CP0214ANFEL	48	1-7/8	5.5	7/32	54	2-1/8	22	7/8	57	2-1/4
CP0214ENFEL	48	1-7/8	5.5	7/32	54	2-1/8	22	7/8	57	2-1/4
CP0214ANBEL	38	1-1/2	5.5	7/32	41	1-5/8	22	7/8	38	1-1/2
CP0214ENBEL	38	1-1/2	5.5	7/32	41	1-5/8	22	7/8	38	1-1/2
CP0351ASVEL	62	2-7/16	5.5	7/32	56	2-3/16	19	3/4	232	9-1/8
CP0351ESVEL	62	2-7/16	5.5	7/32	56	2-3/16	19	3/4	232	9-1/8
CP0351ESREL	81	3-3/16	5.5	7/32	51	2	38	1-1/2	178	7
CP0351ASKEL	57	2-1/4	5.5	7/32	41	1-5/8	22	7/8	127	5
CP0351ESKEL	57	2-1/4	5.5	7/32	41	1-5/8	22	7/8	127	5
CP0351ASGEL	38	1-1/2	5.5	7/32	41	1-5/8	22	7/8	73	2-7/8
CP0351ESGEL	38	1-1/2	5.5	7/32	41	1-5/8	22	7/8	73	2-7/8

Riveting Compression Tools



A

CP0214



B

CP0351



C



D



E

CP0341 - Pneumatic TM --> Full power through the full stroke

PIC REF	MODEL	PART NUMBER	CAPACITY				MAX FORCE (90 PSI/ 6.2 BAR)	MOVING PLUNGER		FINAL PART OF STROKE AT MAX. FORCE		STANDARD YOKE DIMENSIONS				LENGTH		WEIGHT	
			LIGHT		HARD			MAX TRAVEL		mm	in.	REACH R	CLOSED HEIGHT H	mm	in.	mm	in.	mm	in.

C-YOKE (single cylinder)

A	CP0214CELEL*	T012344	3.2	1/8	2.4	3/32	13.35	3,000	14.3	9/16	1.3	0.050	38.1	1-1/2	17.5	11/16	262	10.3	2.0	4.41
	CP0214CENEL	T018677	Same power unit as above without yoke																	
A	CP0214SETEL**	T023474	3.2	1/8	2.4	3/32	13.35	3,000	14.3	9/16	1.3	0.050	38.1	1-1/2	17.5	11/16	262	10.3	2.0	4.41
B	CP0351CUDEL*	T008955	4.8	3/16	4.0	5/32	26.70	6,000	14.3	9/16	3.2	0.125	54	2-1/8	19.8	25/32	445	17.5	5.7	12.6
	CP0351CUNEL	T007772	Same power unit as above without yoke																	

C-YOKE (tandem cylinder)

A	CP0214FALEL*	T013152	4.8	3/16	4.0	5/32	26.70	6,000	14.3	9/16	1.6	0.063	38.1	1-1/2	17.5	11/16	356	14	2.5	5.5
A	CP0214FAXEL*	T022528	4.8	3/16	4.0	5/32	26.70	6,000	14.3	9/16	1.6	0.063	50.8	2.5	17.5	11/16	366	14.4	2.6	5.7
	CP0214FANEL	T018430	Same power unit as above without yoke																	
A	CP0214KETEL**	T023475	4.8	3/16	4.0	5/32	26.70	6,000	14.3	9/16	1.6	0.063	38.1	1-1/2	17.5	11/16	356	14	2.5	5.5
B	CP0351FUDEL*	T012608	6.4	1/4	5.6	7/32	53.40	12,000	14.3	9/16	3.2	0.125	54	2-1/8	19.8	25/32	552	21.7	6.9	15.2

ALLIGATOR (single cylinder)

C	CP0214ANBEL*	T012343	3.2	1/8	2.4	3/32	13.35	3,000	15.9	5/8	1.3	0.050	38.1	1-1/2	22.2	7/8	233	9.17	1.7	3.75
C	CP0214ANFEL*	T018671	2.4	3/32	2.4	3/32	9.79	2,200	22.2	7/8	2.4	0.094	57.1	2-1/4	22.2	7/8	254	10	1.9	4.18
C	CP0214ANGEL*	T018672	2.4	3/32	1.6	1/16	8.01	1,800	31.8	1-1/4	1.4	0.056	76.2	3	22.2	7/8	273	10.7	2.0	4.41
	CP0214ANPEL	T019138	Same power unit as above without yoke																	
D	CP0351ASGEL*	T007783	4.0	5/32	3.2	1/8	23.14	5,200	15.9	5/8	3.2	0.125	73	2-7/8	22.2	7/8	495	19.5	7.1	15.6
D	CP0351ASKEL*	T007773	3.2	1/8	2.4	3/32	15.13	3,400	34.0	1-3/8	4.8	0.188	127	5	22.2	7/8	549	21.6	9.0	19.8
	CP0351ASNEL	T025405	Same power unit as above without yoke																	
D	CP0351ASVEL*	T009582	3.2	1/8	2.4	3/32	13.35	3,000	42.9	1-11/16	1.6	0.063	232	9-1/8	19.1	3/4	654	25.7	11.9	26.2

ALLIGATOR (tandem cylinder)

C	CP0214ENGEL*	T018164	3.2	1/8	2.4	3/32	15.13	3,400	31.8	1-1/4	2.6	0.104	76.2	3	22.2	7/8	343	13.5	2.5	5.51
C	CP0214ENFEL*	T018163	4.0	5/32	3.2	1/8	19.14	4,300	22.2	7/8	2.4	0.094	57.1	2-1/4	22.2	7/8	324	12.8	2.4	5.28
C	CP0214ENBEL*	T018678	4.8	3/16	4.0	5/32	26.70	6,000	15.9	5/8	1.6	0.063	38.1	1-1/2	22.2	7/8	303	11.9	2.2	4.85
	CP0214ENPEL	T018997	Same power unit as above without yoke																	
D	CP0351ESKEL*	T012603	4.8	3/16	4.0	5/32	30.26	6,800	34.0	1-3/8	4.8	0.188	127	5	22.2	7/8	657	25.9	10.2	22.5
D	CP0351ESREL*	T012604	4.8	3/16	4.0	5/32	26.70	6,000	42.9	1-11/16	4.8	0.188	178	7	38.1	1-1/2	708	27.9	12.2	26.9
D	CP0351ESVEL*	T012605	4.8	3/16	4.0	5/32	26.70	6,000	42.9	1-11/16	1.6	0.063	232	9-1/8	19.1	3/4	762	30	13.2	29.1
D	CP0351ESGEL*	T012602	6.4	1/4	4.8	3/16	46.28	10,400	15.9	5/8	3.2	0.125	73	2-7/8	22.2	7/8	603	23.7	8.4	18.5

C-YOKE (pneumatic™)

E	CP0341CUDEL**	T022512	7.1	9/32	6.4	1/4	60.1	13,500	31.8	1-1/4	Full stroke									
	CP0341CUNEL	T022493	Same power unit as above without yoke																	

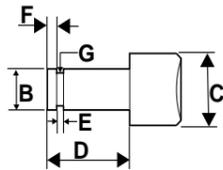
*CR1 / **CR2

Compression Tools - Riveting

Rivet set shank (CR1/CR2)

SHANK DIMENSIONS FOR RIVET SETS

For CP0214, CP0351 and CP0341 Compression Riveters



TYPE OF RIVET SET SHANK	B		C*		D		E		F		G	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
CR-1 (ø 4.8mm 3/16")	4.75-4.72	0.187-0.186	12.7	1/2	12.7	1/2	3.45-3.38	0.136-0.133	1.6	1/16	3.23-3.12	0.127-0.123
CR-2 (ø 6.4mm 1/4")	6.42-6.40	0.249-0.248	15.9	5/8	15.9	5/8	3.45-3.38	0.136-0.133	2.4	3/32	4.80-4.70	0.189-0.185

* 'C' dimension is for flush set only. 'C' varies on cupped sets according to rivet size and type of head.

Rivet set length calculation

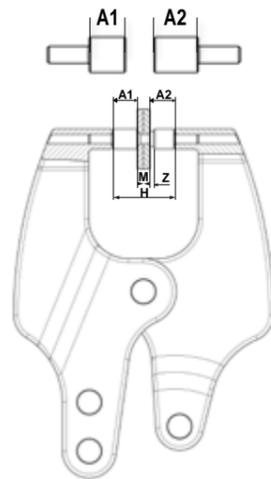
To develop maximum power, the riveter must drive (set) the rivet at the end of the riveter's stroke
For maximum power the combined length of the two rivet sets must be of the correct length

$$A1 + A2 = H - M - Z$$

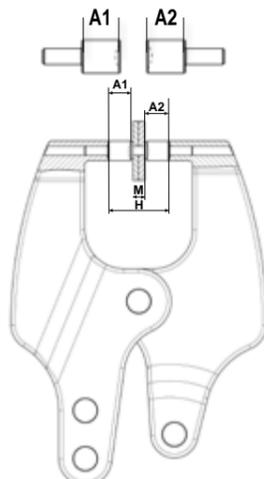
A1: Rivet set thickness (mobile jaw)
A2: Rivet set thickness (fix jaw)

H= Opening at the end of the riveting
M= Total thickness of material to be assembled

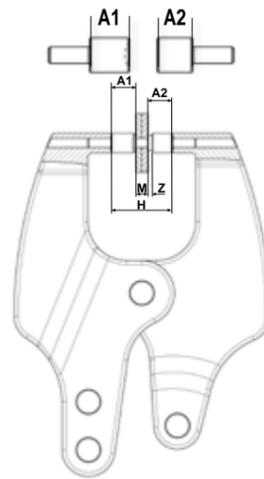
Z= height of finished rivet head (flush)



Two Flushed rivet sets



Two cupped rivet sets
Z = 0



1 flushed rivet + cupped rivet set

Rivet set Selection

CUPPED SETS

RIVET DIAMETER		'A' BODY		AN-470 UNIVERSAL
mm	in.	mm	in.	

CR-1 SHANK RIVET SETS FOR CP0214 and CP0351 - HEAD SET

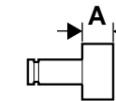
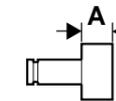
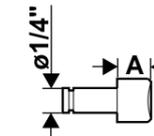
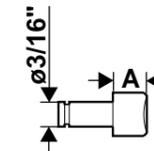
(C-Yoke tools - CP0214 CELEL, FALEL, CUDEL, FUEDEL + all Alligator Yoke tools)

2.4	3/32	6.4	1/4	P089430
2.4	3/32	9.5	3/8	P089431
2.4	3/32	12.7	1/2	P089432
3.2	1/8	6.4	1/4	P089435
3.2	1/8	9.5	3/8	P089436
3.2	1/8	12.7	1/2	P089437
4.0	5/32	6.4	1/4	P089440
4.0	5/32	9.5	3/8	P089441
4.0	5/32	12.7	1/2	P089442
4.8	3/16	6.4	1/4	P089445
4.8	3/16	9.5	3/8	P089446
4.8	3/16	12.7	1/2	P089447

CR-2 SHANK RIVET SETS FOR CP0214 and CP0341 - HEAD SET

(C-Yoke tools - CP0214 SETEL, KETEL + CP0341 CUDEL)

3.2	1/8	6.4	1/4	P089510
3.2	1/8	9.5	3/8	P089511
3.2	1/8	12.7	1/2	P089512
4.0	5/32	6.4	1/4	P089515
4.0	5/32	9.5	3/8	P089516
4.0	5/32	12.7	1/2	P089517
4.8	3/16	6.4	1/4	P089520
4.8	3/16	9.5	3/8	P089521
4.8	3/16	12.7	1/2	P089522
6.4	1/4	6.4	1/4	P089525
6.4	1/4	9.5	3/8	P089526
6.4	1/4	12.7	1/2	P089527



FLUSH SETS for any rivet size

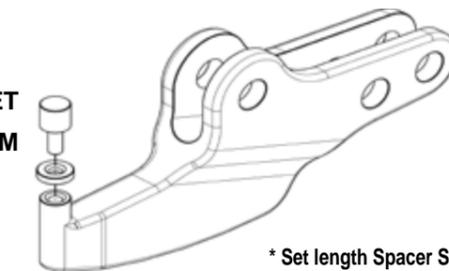
SHANK SIZE	'A' BODY LENGTH					
	3.2mm (1/8")	6.4mm (1/4")	9.5mm (3/8")	12.7mm (1/2")	15.8mm (5/8")	19mm (3/4")
CR-1 (ø 4.8mm 3/16")	P089495	P089496	P089497	P089498	P089499	P089500
CR-2 (ø 6.4mm 1/4")	-	P089501	P089502	P089503	P089504	-

SOFT SETS BLANKS

TYPE OF RIVET SET SHANK	A BODY LENGTH		B BODY DIA.		PART NO.
	mm	in.	mm	in.	
CR-1 (ø 4.8mm 3/16")	19.1	3/4	15.9	5/8	P093672
CR-2 (ø 6.4mm 1/4")	19.1	3/4	19.1	3/4	P093673

RIVET SET

* SHIM



* Set length Spacer Shims

SET LENGTH SPACER SHIMS

TYPE OF RIVET SET SHANK	PART NUMBER OF HARDENED SHIMS		
	0.4mm (1/64")	0.8mm (1/32")	1.6mm (1/16")
CR-1	P083254	P083255	P083256
CR-2	-	P083257	-

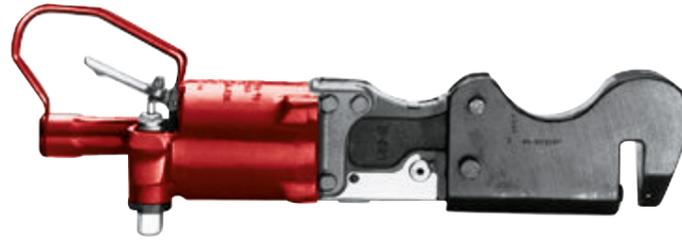
RIVET SET

TYPE OF RIVET SET SHANK	RETAINER RING
	PART NO.
CR-1	P071916
CR-2	P071917

Compression Tools – Sheet Metal Punch

CP0351-PU

- **Punching Capacity:**
 ø 4.8mm (3/16") in aluminum
 through 4.8mm (3/16") material thickness
- **Actuation throttle guard:**
 reduces the risk of accidental operation
- Use for a wide range of punching operations
 where it is preferable to take the tool to the job.
 e.g. large structures such as truck trailers



Capacity:

Maximum hole is ø 13mm (1/2") relative to material and thickness.
 Within maximum force of 24.0 kN – 5,400 lbs, material thickness should not exceed hole diameter.
 To determine force required use formula: $F = 3.14 \times D \times T \times S$
 where 'F' is force (lbs); 'D' is hole diameter (in.); 'T' is thickness of material (in.); 'S' is tensile strength of material (psi) or 'F' is force (kN); 'D' is hole diameter (mm); 'T' is thickness of material (mm); 'S' is tensile strength of material (N/mm2).

Accessories supplied with tool

HOLE SIZE IN ALUMINUM	PUNCH	DIE	COLLAR
ø 4.8mm (3/16")	P041307	P043009	P041309
ø 5.2mm (13/64")	P112836	P112837	P112838

MODEL	PART NUMBER	MAX. MATERIAL THICKNESS ALUM.		HOLE DIAMETER		MAX. DISTANCE EDGE OF SHEET TO HOLE CENTRELINE		MAX. PUNCHING FORCE (90 PSI/6.2 BAR)		WORK CLEARANCE PUNCH RETRACTED	
		mm	in.	mm	in.	mm	in.	kN	lb	mm	in.
CP0351PU	205 146 721 4	4.8	3/16	5.2	13/64	47.6	1-7/8	24.0	5400	12.7	1/2

Riveting Hammers



- Wide range of hammers suitable for all applications
- Recoilless series for better operator's comfort
- Progressive trigger for better control

Compression Tools – Edge Former

CP0351-CABH-DY

- Forming Capacity (max material thickness) – 6.4mm (1/4")
- Rotary Suspension Bail fitted – eases handling and orientation of tool
- Use for a wide range of flattening of spot welded flanges and removing bends
- Custom yokes and dies can be used for crimping and staking operations
- Automatic cycling frequency is adjustable from 1 cycle per throttle actuation to up to 200 cycles per minute whilst the throttle actuation is maintained.



Accessories supplied with tool

	PART NUMBER
• Yoke	P059557
• Die	P059556

MODEL	PART NUMBER	MAX. MATERIAL THICKNESS ALUM.		MAX. CYCLES PER MINUTE	REACH		MAX. COMPRESSIVE FORCE (90 PSI/6.2 BAR)	
		mm	in.		mm	in.	kN	lb
CP0351-CABH-DY	T020475	6.4	1/4	200	14.4	9/16	26.7	6000

How to select the right tool?



1
Rivet
Light/Hard Material
Diameter



2
Application
accessibility



3
Operation repetitiveness
Low vibration level



4
Rivet set
selection

Tool range

Our range covers a wide range of applications to answer all your requirements



Riveting Hammers



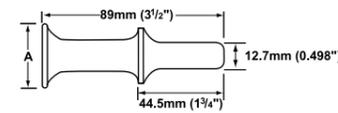
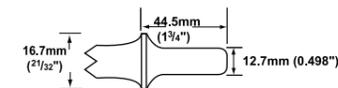
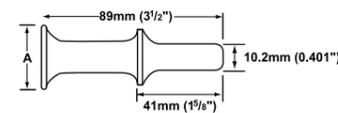
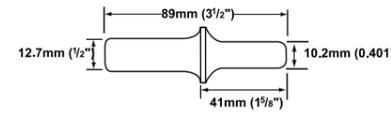
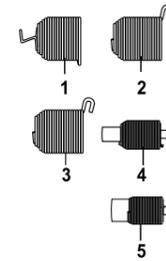
PIC REF	MODEL	PART NUMBER	AIR FRAME REF	BLOW PER MINUTE	BORE & STROKE		ENERGY PER BLOW		CHISEL SHANK		RIVET CAPACITY		WEIGHT		AIR INLET		HOSE INT. Ø	
					mm (in.)	J	ft.lb	mm	in.	mm (in.)	mm (in.)	kg	lb	in.	mm	in.		
Standard																		
A	CP4444-1	205 147 938 4	2X (200)	2580	15 x 40 (19/32 x 1.47)	4.4	3.2	10.2	0.401	3.2 (1/8)	2.4 (3/32)	1.2	2.6	1/8	10	3/8		
B	CP4444-RURAB	T022961	2X (200)	2580	12.7 x 50.8 (1/2 x 2)	4.0	2.9	10.2	0.401	3.2 (1/8)	2.4 (3/32)	1.0	2.2	1/4	10	3/8		
B	CP4444-RUSAB	T022962	3X (300)	2160	12.7 x 76.2 (1/2 x 3)	6.1	4.5	10.2	0.401	4.8 (3/16)	4.0 (5/32)	1.1	2.3	1/4	10	3/8		
B	CP4444-RUTAB	T022963	4X (240)	1740	12.7 x 101.6 (1/2 x 4)	8.1	6.0	10.2	0.401	6.4 (1/4)	4.8 (3/16)	1.3	2.7	1/4	10	3/8		
C	CP4447-RUSAB	T022965	5XB (500)	1560	19.1 x 68.3 (3/4 x 2-11/16)	12.3	9.1	12.7	0.498	6.4 (1/4)	4.8 (3/16)	2.2	4.7	1/4	10	3/8		
C	CP4447-RUTAB	T022912	7XB (700)	1140	19.1 x 98.4 (3/4 x 3-7/8)	17.8	13.1	12.7	0.498	7.9 (5/16)	6.4 (1/4)	2.3	5.1	1/4	10	3/8		
C	CP4447-RUVAB	T022964	9XB (800)	900	19.1 x 147.6 (3/4 x 5-13/16)	26.6	19.6	12.7	0.498	9.5 (3/8)	7.9 (5/16)	2.7	9.0	1/4	10	3/8		
Vibration reduced																		
D	CP4450-2	T025189	2X (200)	2580	12.7 x 50.8 (1/2 x 2)	4.0	2.9	10.2	0.401	3.2 (1/8)	2.4 (3/32)	1.2	2.7	1/4	10	3/8		
D	CP4450-3	T025190	3X (300)	2160	12.7 x 76.2 (1/2 x 3)	6.1	4.5	10.2	0.401	4.8 (3/16)	4.0 (5/32)	1.3	2.8	1/4	10	3/8		
D	CP4450-4	T025191	4X (400)	1740	12.7 x 101.6 (1/2 x 4)	8.1	6.0	10.2	0.401	6.4 (1/4)	4.8 (3/16)	1.5	3.2	1/4	10	3/8		
E	CP4475-3	T025241	5XB (500)	2000	19.1 x 76.2 (3/4 x 3)	13.7	10.1	12.7	0.498	6.4 (1/4)	4.8 (3/16)	1.8	3.9	1/4	10	3/8		
E	CP4475-4	T025242	7XB (700)	1700	19.1 x 101.6 (3/4 x 4)	18.3	13.5	12.7	0.498	7.9 (5/16)	6.4 (1/4)	2.4	5.3	1/4	10	3/8		
E	CP4475-6	T025243	9XB (800)	1250	19.1 x 152.4 (3/4 x 6)	27.5	20.3	12.7	0.498	9.5 (3/8)	7.9 (5/16)	2.8	6.2	1/4	10	3/8		

* LIGHT: Aluminium 2017 / 2117 (DCJ-DXJ / D-AD)

** HARD: Aluminium 7050 (DKJ / KE / E) (M) (T)

Dimensions

Model	A		CP4444 / CP4447						CP4450 / CP4475							
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.		
CP4444-1	111	4.4	111	4.4	170	6.7	186	7.3	211	8.3	227	8.9	252	9.9	303	11.9
CP4444-RURAB	170	6.7	213	8.4	226	8.9	251	9.9	275	10.8	300	11.8	351	13.8		
CP4444-RUSAB	186	7.3	226	8.9	251	9.9	275	10.8	300	11.8	351	13.8				
CP4444-RUSAB	186	7.3	226	8.9	251	9.9	275	10.8	300	11.8	351	13.8				
CP4444-RUTAB	211	8.3	226	8.9	251	9.9	275	10.8	300	11.8	351	13.8				
CP4447-RUSAB	227	8.9	226	8.9	251	9.9	275	10.8	300	11.8	351	13.8				
CP4447-RUTAB	252	9.9	226	8.9	251	9.9	275	10.8	300	11.8	351	13.8				
CP4447-RUVAB	303	11.9	226	8.9	251	9.9	275	10.8	300	11.8	351	13.8				



Accessories

CP4444 / CP4447 / CP4450 / CP4475

ACCESSORIES INCLUDED			
	PART NUMBER		
	CP4444-1	CP4444 CP4450	CP4447 CP4475
• Light wire quick change retainer	205 053 564 3	A046095	-
• Wire quick change retainer	-	-	A047095

OPTIONAL ACCESSORIES			
ITEM	PART NUMBER		
	CP4444 CP4450	CP4444 CP4475	CP4447 CP4475
1 Zip-Quick retainer	A046094	-	-
2 Beehive retainer	A046096	A047096	-
3 Beehive retainer	-	A046096	-
4 Nail driving attachment for 20-60 penny nail size (for CP4447-RUSAB & CP4475)	-	-	P042448
5 Nail driving attachment for 1/2" spikes (for CP4447-RUVAB)	-	-	P047810

CP4444 / CP4450

TYPE I RIVET SETS Ø 10.2MM (.401")					
RIVET HEAD CUPPING	2.4MM (3/32")	3.2MM (1/8")	4.0MM (5/32")	4.8MM (3/16")	6.4MM (1/4")
• Universal	P089221	P089222	P089223	P089224	P089225*
• Soft Blank Set	P071108	-	-	-	-
• Hardened Blank Set	P080178	-	-	-	-

* Must use Light Wire Quick-Change Retainer, A046095 with these sets

TYPE I FLUSH RIVET SETS Ø 10.2MM (.401")		
	ØA MM (IN.)	CP4444/4450 Ø10.2 (0.401") SHANK
•	25.4 (1)	A046090
•	31.8 (1-1/4)	A089232
•	38.1 (1-1/2)	A089233
•	44.5 (1-3/4)	A046091

CP4447 / CP4475

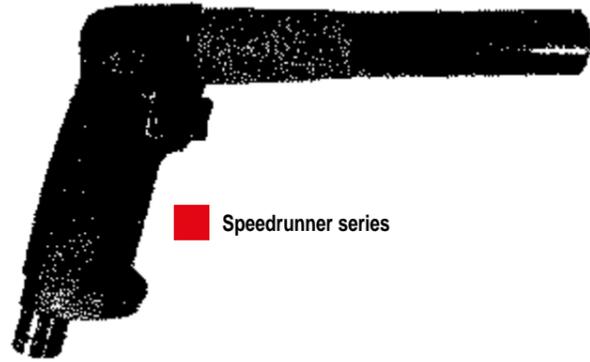
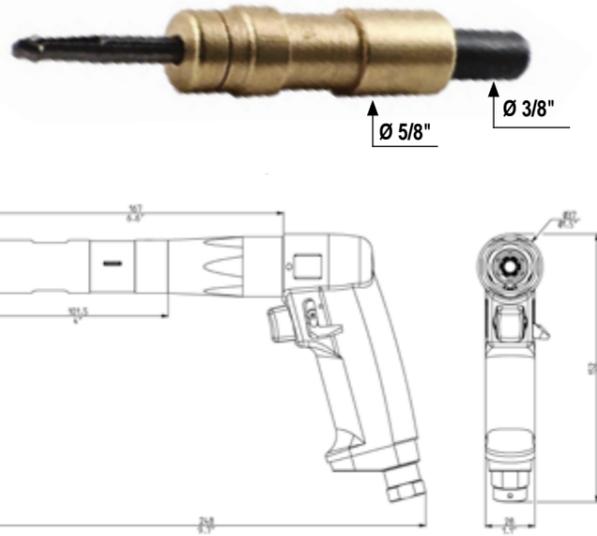
TYPE D RIVET SETS Ø 12.7MM (.498")			
RIVET HEAD CUPPING	4.8MM (3/16")	6.4MM (1/4")	6.4MM (1/4")
• Universal	P089252	P089253	P089254*
• Soft blank set	P070995	-	-
• Hardened blank set	P080198	-	-

* Must use Light Wire Quick-Change Retainer, A047095

TYPE I FLUSH RIVET SETS Ø 12.7MM (.498")		
	ØA MM (IN.)	SHANK Ø12.7MM (0.498")
•	31.8 (1-1/4)	A047091

Cylindrical temporary Fasteners

This range of products is dedicated to the cylindrical Monogram fasteners Cleco 3/8" (CSX and CBX types)



Speedrunner series

MODEL	PART NUMBER	FREE SPEED	REVERSE SPEED	TORQUE RANGE		FITTED SPRING		WEIGHT		AIR INLET
				Nm	in.lb	Nm	in.lb	kg	lbs	
SR-P1100-M3/8	615 180 007 0	1100		0.4 - 4.3	3.5 - 38.1	0.4 - 2.1	3.5 - 18.6	1	2.2	1/8" BSP
SR-P2300-M3/8	615 180 008 0	2300		0.4 - 2.1	3.5 - 18.6	0.4 - 2.1	3.5 - 18.6	1	2.2	1/8" BSP

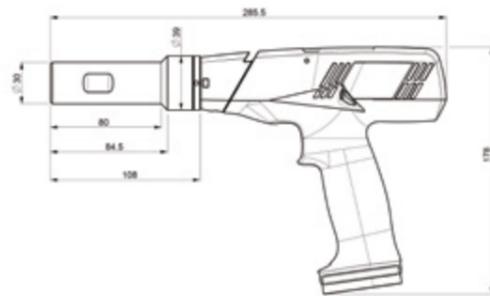
Noise level : 73 db(A)
Vibration level <2.5 m/s²



desoutter.info-speedrunner



Elit runner series



MODEL	TORQUE RANGE		ROTATIONAL SPEED	WEIGHT WITHOUT BATTERY		VOLTAGE
	Nm	in.lb		kg	lb	
ER-2.5-1550-P	0.4-2.5	0.3-1.8	500-1550	1.1	1.76	18
ER-6-1000-P	0.8-6	0.6-4.4	300-1000	1.1	1.76	18
ER-8-800-P	1.5-8	1.1-5.9	300-765	1.1	1.76	18
ER-12-600-P	3-12	2.2-8.8	250-570	1.1	1.76	18

How to Order?

Please contact your local Desoutter representative with the required Model Number

Lisi® temporary Fasteners

This range of products is dedicated to Lisi® Fasteners
If your fastener doesn't appear in this list, please contact your local Desoutter representative

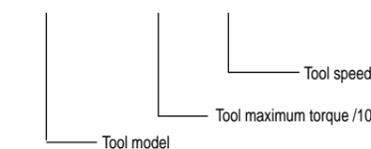


How to Order?

1 Select your fastener serie 2 Select your tool type 3 Contact your Desoutter representative with
- Nose name
- Tool type

LISI SERIE	FASTENER PIC	NOSE NAME	PNEUMATIC TOOLS			BATTERY TOOLS	
			PISTOL	T-SHAPE	ANGLE HEAD	PISTOL 1	ANGLE HEAD
Series 26		26-H9-H12	SDP035-T2100 SCBP043-T1100	SDT035-T2200 SCP043-T1100	SC043-L950	ELS6-1000-P	ELS7-880-A
Series 27		27-H9-H12	SDP035-T2100 SCBP043-T1100	SDT035-T2200 SCP043-T1100	SC043-L950	ELS6-1000-P	ELS7-880-A
Series 28 2		28-H9-H12	SCBP043-T1100	SCP043-T1100	SC043-L950	ELS6-1000-P 3	ELS7-880-A
Series 29		29-H9-H12				ELS2.5-1550 0.2	
Series 30		30-H10-H12	SCBP043-T1100	SCP043-T1100	SC043-L950	ELS6-1000-P	ELS15-880-A
Series 31		31-H9-H10	SDP100-T780	SDT100-T820	SD095-LB800	ELS 12-400	ELS15-480
Series 32		32-D10-H12	SDP100-T780	SDT100-T820	SD095-LB800	ELS 12-400	ELS15-480
Series 41		41-H10-H12	SCBP043-T1100	SCP043-T1100	SC043-L950	ELS 6-1000-P	ELS 7-880-A
Series 42		42-D10-H12	SCBP043-T1100	SCP043-T1100	SC043-L950	ELS 6-1000-P	ELS 7-880-A
Series 42S		42S-D10-H12	SDP100-T780	SDT100-T820	SD095-LB800	ELS 12-400	ELS 15-480
Series 43		43-H10-H12	SCBP043-T1100	SCP043-T1100	SC043-L950	ELS 6-1000-P	ELS 7-880-A
Series 44		44-D9.5-H12	SCBP043-T1100	SCP043-T1100	SC043-L950	ELS 6-1000-P	ELS 7-880-A
Series 44H		44H-H10-H12	SCBP047-T550	SCP047-T550 SDT055-T1470	SC047-L500	ELS 6-1000-P	ELS 7-880-A

Tool definition SCBP 043-T1100



Contact your local Desoutter representative who will make sure we offer you the right solution

Solutions for tightening



Desoutter offers a wide range of solutions to cover all your tightening requirements

Our dedicated project team will bring you the level of expertise you need to optimize your production process

They will support you at each step of your project, from analyzing your application, offering the right technical solution, up to the tools delivery, on-site installation and operator's training

For all the fasteners most widely used in the aerospace, Desoutter is your partner



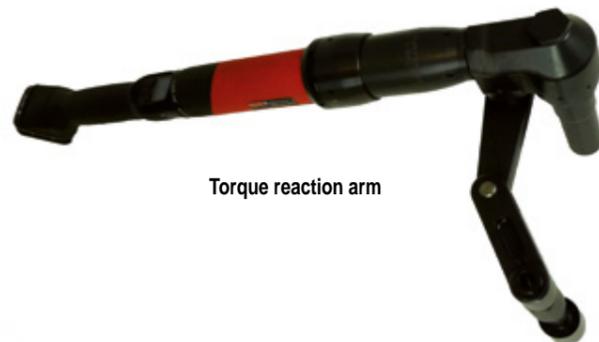
ELS with 110° offset head



EAB with H&D extended socket



In line tools for Hi-Lite® and Hi-Lock® fasteners



Torque reaction arm



Tools for HI-LOK® fasteners



Flush Socket tools

Aerospace tightening solutions

How to select the right tool

- 1 Select your fastener
- 2 Select your ergonomomy
- 3 Select your power
- 4 Select your head type
- 5 Define with your local Desoutter representative your head dimensions



Shearing applications: frangible collars and double-hex

	PISTOL		ANGLE HEAD	
	TOOL	HEAD	TOOL	HEAD
3	SDP RANGE 		SD RANGE 	90° ANGLE HEAD
	ELS RANGE 		ELS RANGE 	OFFSET HEAD 90°
				OFFSET HEAD 110°



Torque applications

	PISTOL		ANGLE HEAD	
	TOOL	HEAD	TOOL	HEAD
Mechanical clutch	SDP RANGE 		SD RANGE 	90° ANGLE HEAD
	ELS RANGE 		ELS RANGE 	OFFSET HEAD 90°
Transducerized	EPB RANGE* 		EAB RANGE* 	OFFSET HEAD 110°

* EAB/EPB Range: the right tool for each of your requirements



EAB/EPB:
• Our stand-alone B-flex for high precision and easiness of use, see pages 59-60

EAB/EPB Advanced:
• Advanced version of our standalone tool; 6 tightening cycles as well as angle strategy, see pages 59-60

EAB Com:
• Benefit from the best tightening technology in a battery tool: full traceability, assembly process management, all tightening strategies, see pages 63-64

EAB Com Quick Release:
• Several accessories for 1 tool. Increases flexibility in your factory reduces the number of tools and associated maintenance costs

E-LIT Series - Optimize your performance

Clutch Battery Tool range



FOCUS



Tool management device

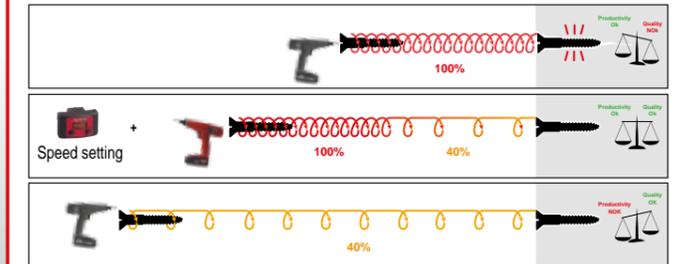
Speed setting
For ELS and ELC models

Two speed setting easily controlled by external module

Everything needed to optimize your assembly process

Guarantee quality and keep high productivity

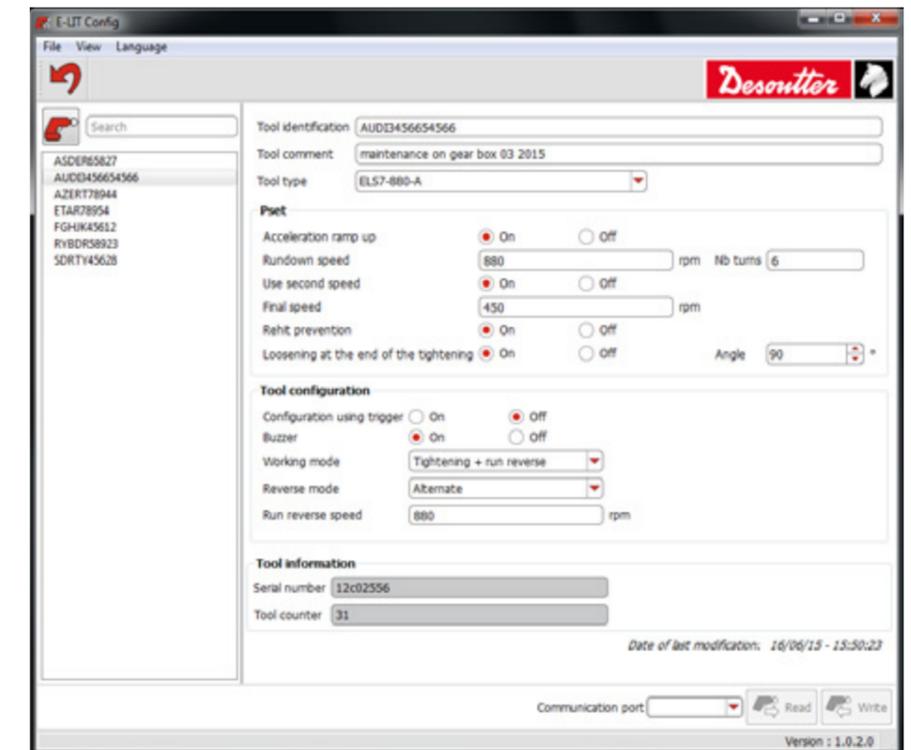
- Decrease final speed to ensure tightening quality
- Avoid quality defects in your final product
- Decrease starting speed to facilitate bolt engagement



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



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 	✓	✓	✓	✓	✓

E-LIT Series

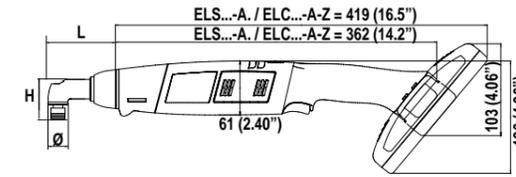
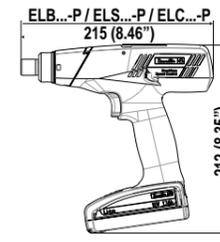
0.4 to 45 Nm (3.5 to 398 in.lb) - 50 to 1550 rpm



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
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

Battery not included in standard offering

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

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
6	For Body angle head - Black		✓	✓	✓	615 211 004 0
6	For Body angle head - Blue		✓	✓	✓	615 211 025 0
6	For Body angle head - Red		✓	✓	✓	615 211 026 0
6	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
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-Z				✓	615 936 086 0
15	E-LIT BOX Starter kit				✓	615 929 048 0
16	Power supply E-LIT BOX				✓	615 927 053 0
17	eDOCK	✓	✓	✓	✓	615 811 976 0
	• E-LIT CONFIG software	✓	✓	✓	✓	615 927 778 0
Desoutter Tool Holders						
18	DTH-42	✓			✓	107892
19	DTH90	✓			✓	615 812 119 0
20	DTH TWIN (single) without rail		✓	✓	✓	615 811 411 0
21	DTH TWIN rail kit with 2 Twin holders		✓	✓	✓	615 811 412 5
22	DTH TWIN stand kit with 2 Twin holders		✓	✓	✓	615 811 413 5



B-FLEX: performance and flexibility



desoutter.info/B-FLEX-video

FOCUS

- Wide range from 1.5 to 17 Nm
- 4 colors reporting Led
- Long life, spiral cut bevel gears
- PC Free for Pset setting
- Compatible 18V / 36V Battery for pistol tools
- Torque transducer accuracy
- Password protection
- 36 Volt, long life Li-ion battery technology
- Patented non contact and effort trigger
- Wide range from 5 up to 95 Nm
- 2 battery positions for the highest ergonomics

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: Ergonomics 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

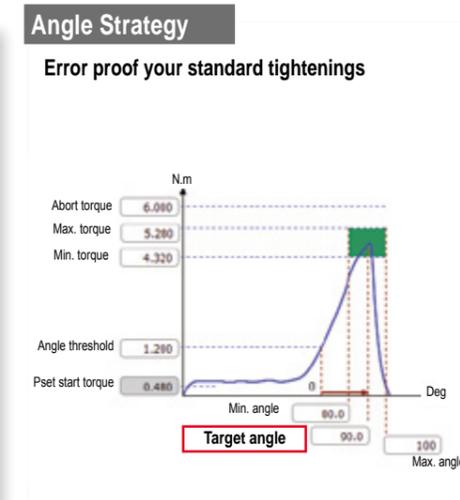
USB cable included

- Data to collect
- Password protection
- Battery level
- Easy setting
- Ergostop
- Program setting
- Results: 10.03Nm, 162.3DEG

B-FLEX ADVANCED (Standard features +)

6 Pset

6 TOOLS in 1 B-FLEX



Full data collection

(up to 10 000 on Analyzer)

CVI ANALYZER

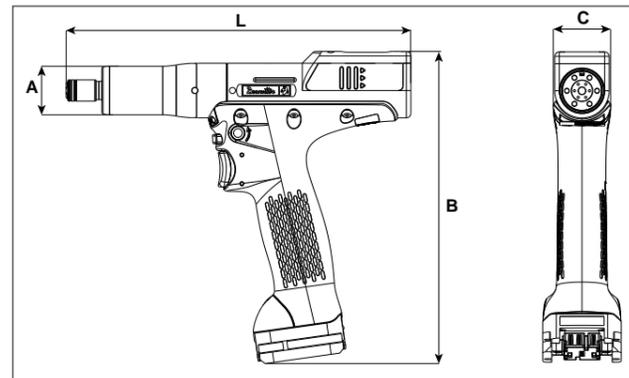
USB cable included

B-FLEX Series - Pistol grip

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



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



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	

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	EPB14-900-4Q	615 165 978 0	Hex.1/4	4	12	14	2.4	8.8	10.3	540	940	1	2.2	18/36
B	EPB14-900-10S	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	EPBA14-900-4Q	615 165 974 0	Hex.1/4	4	12	14	2.4	8.8	10.3	540	940	1	2.2	18/36
B	EPBA14-900-10S	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)

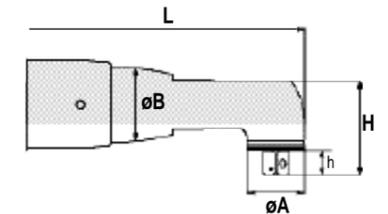
B-FLEX Series - Angle head

5 to 280 Nm (3.7 to 206.6 ft.lb) - 10 to 900 rpm



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
EAB170-110	645	25.4	15.5	0.61	38.6	1.52	50	1.96	60	2.36
EAB280-60	664	26.1	23	0.90	45	1.77	60	2.36	60	2.36

L = Tool length without battery



PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE						ROTATIONAL SPEED	WEIGHT WITHOUT BATTERY		VOLTAGE
				MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.		rpm	kg	

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
D	EAB 170-110	-	1/2	60	150	170	44.3	110.6	125.4	110	3.3	7.4	36
D	EAB 280-60	-	3/4	100	260	280	73.8	191.8	206.6	60	4.0	8.1	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
D	EABA 170-110	-	1/2	60	150	170	44.3	110.6	125.4	110	3.3	7.4	36
D	EABA 280-60	-	3/4	100	260	280	73.8	191.8	206.6	60	4.0	8.1	36

• Battery not included in standard offering

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

Accessories



EPB / EAB

ACCESSORIES INCLUDED

ITEM	EAB/EABA	EPB/EPBA
• Pistol protective cover Red		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
Charger		
4	For Li-ion Battery 18 / 36V - 100 / 240V	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
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
Desoutter Tool holster		
10	DTH TWIN (single) without rail	615 811 411 0
11	DTH TWIN rail kit with 2 Twin holders	615 811 412 5
12	DTH TWIN stand kit with 2 Twin holders	615 811 413 5
13	DTH90	615 812 119 0

EABCom Quick release head

Our quick release solution will answer your most demanding tightening requirements in terms of traceability, process quality and efficiency.



- Crowfoot types**
- 90° crowfoot
 - All dimensions
 - HI-LOK® and HI-LITE® fastener nose
 - Torq-set® bits
 - Torx® bits
 - Hex/12 points sockets
 - Temporary fastener nose piece

- Advanced tightening**
- Poka Yoke torque selection
 - Data collection
 - Advanced tightening strategies



TOOL TYPE

MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE						ROTATIONAL SPEED	WEIGHT WITHOUT BATTERY		VOLTAGE
			MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.		kg	lb	
EABC 15-900*	615 165 841 0	1/4	3	13	15	2.2	9.6	11	900	1.55	3.42	36
EABC 26-560	615 165 842 0	3/8	5	24	26	3.7	18	19	560	1.65	3.64	36
EABC 45-330	615 165 844 0	3/8	9	40	45	6.6	30	33	330	1.76	3.88	36
EABC 95-240	615 165 848 0	1/2	19	90	95	14	66	70	240	2.98	6.57	36

*Hold & Drive not available HI-LOK® and HI-LITE® are registered trademarks of Hi-Shear Corp.

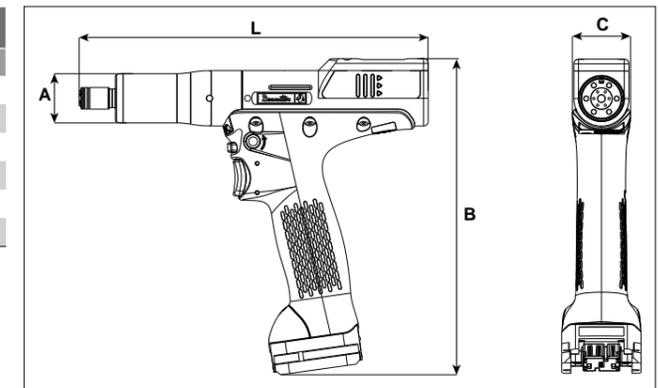
Wireless transducerized battery tool

EPBcom Series

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



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



ADVANCED ERGONOMICS

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

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

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

OPTIMIZED MAINTENANCE

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

ACCESSORIES see page 65

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	

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

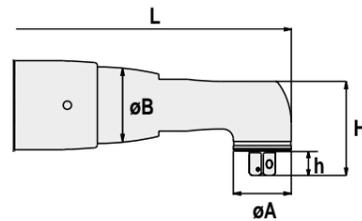
5 to 280 Nm (3.7 to 206.6 ft.lb) - 10 to 900 rpm

Accessories



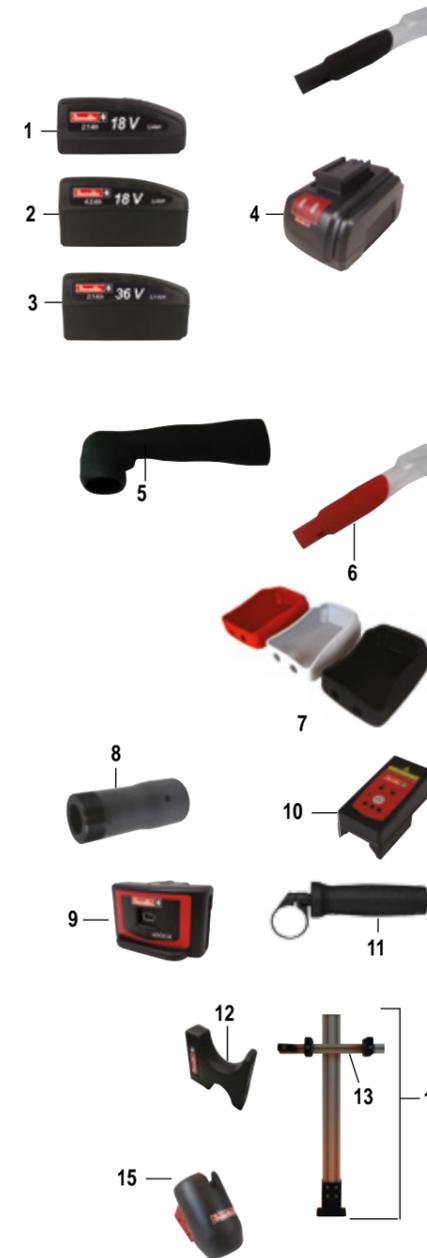
MODEL	L		H		H		ØA		ØB	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EABC 15-900	470	18.5	10.2	0.40	33.8	1.33	22	0.87	37.0	1.46
EABC 26-560	496	19.5	12.0	0.47	45.7	1.80	28	1.10	37.0	1.46
EABC 32-410	496	19.5	12.0	0.47	45.7	1.80	28	1.10	37.0	1.46
EABC 45-330	506	19.9	12.0	0.47	51.0	2.00	35	1.38	37.0	1.46
EABC 50-450	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
EABC170-110	645	25.4	15.5	0.61	38.6	1.52	50	1.96	60	2.36
EABC280-60	664	26.1	23	0.90	45	1.77	60	2.36	60	2.36

L = Tool length without battery



PIC REF	MODEL	PART NUMBER	SQUARE DRIVE	TORQUE RANGE						ROTATIONAL SPEED	WEIGHT WITHOUT BATTERY		VOLTAGE
				MIN.	RECOM-MENDED	MAX.	MIN.	RECOM-MENDED	MAX.		kg	lb	
			in.	Nm	Nm	ft.lb	ft.lb	ft.lb	rpm	kg	lb	V	
EABcom - TRANSDUCERIZED BATTERY TOOL													
	• EABC 15-900	615 165 841 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	3/8	5	24	26	3.7	18	19	560	1.65	3.64	36
A	EABC 32-410	615 165 843 0	3/8	7	30	32	5.2	22	24	410	1.65	3.64	36
B	EABC 45-330	615 165 844 0	3/8	9	40	45	6.6	30	33	330	1.76	3.88	36
B	EABC 50-450	615 165 845 0	3/8	9	45	50	6.6	33	37	450	2.04	4.50	36
B	EABC 60-370	615 165 846 0	1/2	10	55	60	7.4	41	44	370	2.35	5.18	36
C	EABC 75-300	615 165 847 0	1/2	12	70	75	8.8	52	55	300	2.94	6.48	36
C	EABC 95-240	615 165 848 0	1/2	19	90	95	14	66	70	240	2.98	6.57	36
D	EABC 170-110	-	1/2	60	150	170	44.3	110.6	125.4	110	3.3	7.4	36
D	EABC 280-60	-	3/4	100	260	280	73.8	191.8	206.6	60	4	8.1	36

• Battery not included in standard offering
• Battery 36V, 2.1Ah - Weight: 0.60 kg (1.32lb)



EPBcom / EABcom

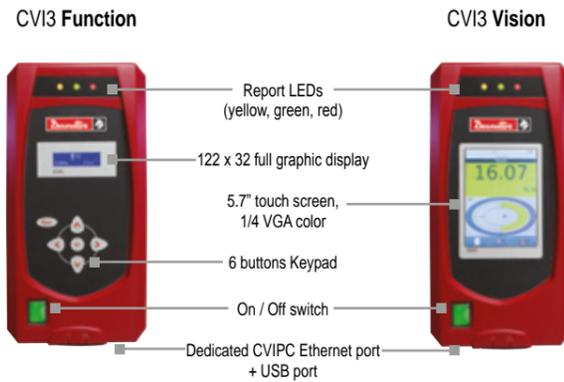
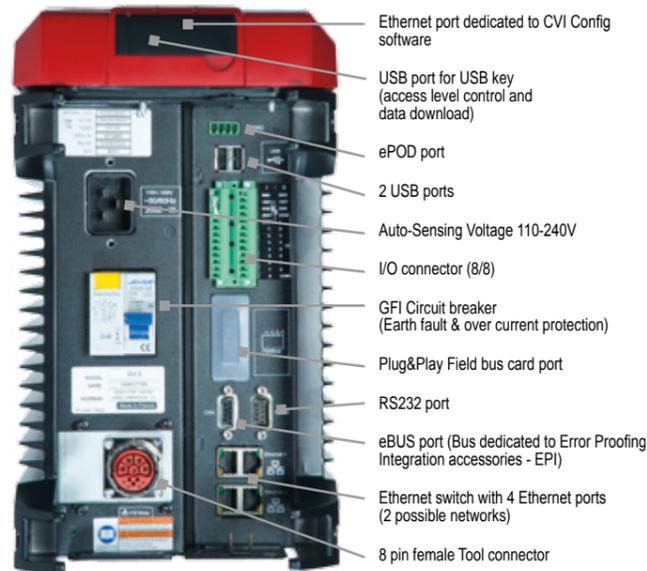
ACCESSORIES INCLUDED

ITEM	EPBcom	EABcom
• Pistol protective cover - Black	615 211 019 0	

OPTIONAL ACCESSORIES

ITEM	EPBcom	EABcom
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 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	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 Barcode Reader for EPB.	615 812 281 0	
• Access point Wifi7 802.11N-US:	615 811 417 5	615 811 417 5
• Access point Wifi7 802.11N-EU:	615 811 419 5	615 811 419 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	

Technical features



FEATURES	CVI3 FUNCTION	CVI3 VISION	TWINCVI3 SYNCHRO/ASYNCHRO
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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 Psets	250	250	250
Nbr of steps per Pset	15	15	15
Barcode reading (standard and 2D)	✓	✓	✓
Learning mode	✓	✓	✓
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	✓	✓	✓
*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 up to 15 accessories in daisy chain	✓	✓	✓
Optional Fieldbus			
Plug&Play Fieldbus card port (EthernetIP, ProfiNet A/B, Modbus TCP, DeviceNet, Profibus, CC-Link)	✓	✓	✓
Fieldbus dynamic memory mapping	✓	✓	✓

Controllers



desoutter.info/CVI3



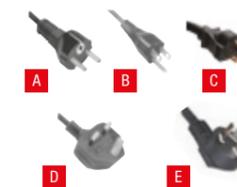
PIC REF	MODEL	PART NUMBER	CONSUMPTION (CURRENT)		MAIN SUPPLY	DIMENSIONS			WEIGHT				
			115V	220V		50/60 Hz	WIDTH	HEIGHT	DEPTH	kg	lb.		
A	CVI3 Vision	615 932 691 0	4A	2A	Single-phase	175	6.9	361	14.2	310	12.2	9.3	20.5
B	TWINCVI3	615 932 697 0	8A	4A	Single-phase	265	10.4	361	14.2	310	12.2	15.0	33.1
C	CVI3 Function	615 932 690 0	4A	2A	Single-phase	175	6.9	361	14.2	310	12.2	9.3	20.5

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



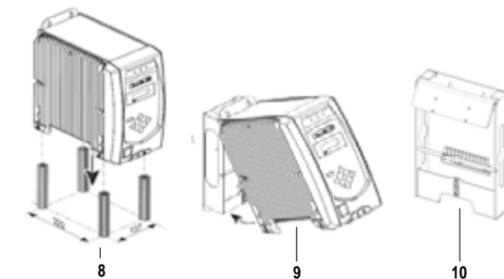
OPTIONAL ACCESSORIES

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
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



OPTIONAL ACCESSORIES

	PART NO.
Software	
• CVI CONFIG - 1 user	615 927 699 0
• CVI CONFIG - 5 users	615 927 700 0
• CVI CONFIG - 25 users	615 927 701 0
• 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
• 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



Accessories

Cable for EAD/EID



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



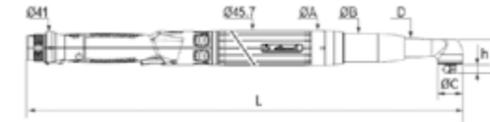
EXTENSION CABLE FOR EAD - EID TOOLS	PART NO.
Ext. cable 8m (26.2ft)	615 917 581 0
Ext. cable 16m (52.5ft)	615 917 584 0
Ext. cable 32m (105ft)	615 917 587 0
Ext. cable 50m (164ft)	615 917 589 0



eBUS CABLE	PART NO.
eBUS cable 1m (3.3ft)	615 917 621 0
eBUS cable 3m (9.9ft)	615 917 622 0
eBUS cable 5m (16.4ft)	615 917 623 0
eBUS cable 15m (49.2ft)	615 917 624 0
eBUS Termination plug	615 917 625 0

Angle head electric nutrunners - CVI3

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



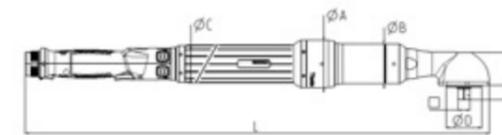
MODEL	h		H		ØA		ØB		ØC		ØD	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EAD20-1300	12.0	0.47	45.5	1.79	46	1.81	37	1.46	25	0.98	28	1.10
EAD32-900	12.0	0.47	45.5	1.79	46	1.81	37	1.46	25	0.98	28	1.10
EAD50-900	12.0	0.47	51.1	2.01	46	1.81	37	1.46	28	1.10	35	1.38
EAD70-800	12.0	0.47	56.7	2.23	58	2.28	43	1.69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

ACCESSORIES
see page71

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



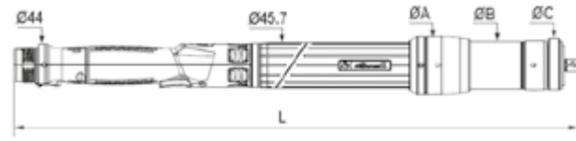
MODEL	h		H		ØA		ØB		ØC		ØD	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EAD160-430	17.1	0.67	65	2.56	66	2.6	55	2.17	52	2.05	50	1.16
EAD200-370	23	0.91	85	3.35	66	2.6	55	2.17	52	2.05	62	2.44
EAD280-260	23	0.91	85	3.35	66	2.6	55	2.17	52	2.05	62	2.44
EAD280-370	23	0.91	85	3.35	72	2.83	55	2.17	66	2.60	62	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 page71

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



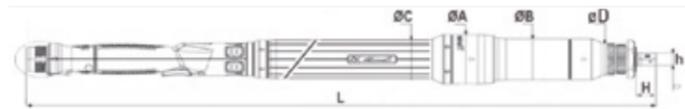
MODEL	ØA		ØB		ØC	
	mm	in.	mm	in.	mm	in.
EID20-1200-4Q	62	2.44	37	1.46	60	2.36
EID25-1200	62	2.44	37	1.46	60	2.36
EID32-900	62	2.44	37	1.46	60	2.36
EID44-1200	62	2.44	48	1.89	54	2.13
EID65-900	58	2.28	48	1.89	54	2.13
EID75-800	58	2.28	48	1.89	54	2.13

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	20	2.2	13.3	14.8	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. 3/8	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

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

Accessories



CVI3 Controllers

OPTIONAL ACCESSORIES

ITEM	PART NO.	
Controllers		
1	Socket tray with tubes & inserts	615 936 095 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

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)	615 397 812 5
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 tools

12	1/2" for EAD160	615 398 076 0
12	3/4" for EAD200/280	615 398 077 0
12	3/4" for EAD440	615 398 078 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
	• Barcode reader -- Tool module - EAD/EID	615 811 896 0
	• Mounting plate for custom arm - EAD160/200/280/440/660	Contact Desoutter

Desoutter Tool Holster

18	DTH42 (For ERP3/5/10/20/30)	107892
19	DTH90 (For ERP3/5/10/20/30)	615 812 119 0
20	DTH TWIN (single) without rail	615 811 411 0
21	DTH TWIN rail kit with 2 Twin holders	615 811 412 5
22	DTH TWIN stand kit with base & 2 Twin holders	615 811 413 5

ADAPTER FOR ERAL/ERDL/ERP AND EME	PART NO.
CVI II Adapter	615 936 070 0



Angle Head - Shut off

0.4 to 27 Nm (3.5 to 239 in.lb) - 170 to 2200 rpm



A



B



C



D

 **ACCESSORIES**
see page 75

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT DRIVE	TORQUE RANGE		FITTED SPRING		LENGTH		WEIGHT		AIR FLOW		AIR INLET		HOSE INT. Ø	
					Nm	in.lb	Nm	in.lb	mm	in.	kg	lb.	l/s	cfm	in.	mm	in.	

TWO WAY

A	SC047-L500-S90A4S	1459124	500	1/4 sq	0.4-4.7	3.5-41.5	0.9-4.7	7.9-41.5	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
B	SC047-L500-S90A4H	1459044	500	1/4 hex	0.4-4.7	3.5-41.5	0.9-4.7	7.9-41.5	275	10.8	1.12	2.47	6.5	13.8	1/8	6	1/4
C	SD070-LB320-S90-A4H	1463224	320	1/4 hex	2.5-7	22-61.9	2.5-7	22-61.9	305	12.0	1.12	2.47	8.7	18.4	1/4	10	3/8
C	SD070-LB320-S90-A4S	1463264	320	1/4 hex	2.5-7	22-61.9	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
C	SD070-LR320-S90-A4S	1463344	320	1/4 sq	2.5-7	22-61.9	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
C	SD070-LR320-S90-A4S	1463384	320	1/4 sq	2.5-7	22-61.9	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
C	SD070-LR170-S90-A4S	205 146 705 4	170	1/4 sq	2.5-7	22-61.9	2.5-7	22-61.9	306	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
D	SD300-LB250-S90-A10S	1463464	250	3/8 sq	11-27	97.3-239	11-27	97.3-239	376	14.8	1.50	3.31	8.7	18.4	1/4	10	3/8
D	SD300-LR250-S90-A10S	1463514	250	3/8 sq	11-27	97.3-239	11-27	97.3-239	376	14.8	1.50	3.31	8.7	18.4	1/4	10	3/8
D	SD300-LR180-S90-A10S	205 146 704 4	180	3/8 sq	11-27	97.3-239	11-27	97.3-239	375	14.8	1.50	3.30	8.7	18.4	1/4	10	3/8

SH range - Angle head - Shut off

2.5 to 200 Nm (22.1 to 1770 in.lb) - 80 to 1100 rpm



A



B

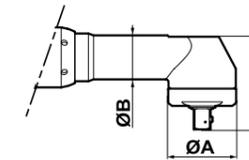


C

Option:
Reaction bar for SH850/1200/2000



FAS3000 (optional): PLC External control
OK / NOK reporting Batch count



PRODUCTIVITY

- High speed with joint stiffness capability

QUALITY

- High accuracy with immediate shut off
- Improve your process quality with FAS3000

ERGONOMY

- Low reaction force on hard joint

DURABILITY

- Low frequency maintenance
- Quick service time



MODEL	ANGLE HEAD DIMENSIONS					
	ØA		ØB		H	
	mm	in.	mm	in.	mm	in.
SH70	20	0.79	20	0.79	36.6	1.44
SH150	22	0.87	21	0.83	35.2	1.38
SH200	27	1.06	27	1.06	45.5	1.79
SH280	27	1.06	24	0.94	41.5	1.63
SH420	40	1.57	29	1.10	56.5	2.20
SH500	40	1.57	29	1.10	56.5	2.20
SH700	40	1.57	29	1.10	56.5	2.20
SH850	51	2.00	33	1.30	69.5	2.70
SH1200	51	2.00	33	1.30	69.5	2.70
SH2000	51	2.00	33	1.30	69.5	2.70

 **ACCESSORIES**
see page 75

PIC REF	MODEL	PART NUMBER	BOLT SIZE	FREE SPEED	SQUARE DRIVE	TORQUE RANGE		LENGTH		WEIGHT		AIR FLOW		AIR INLET		HOSE INT. Ø	
						Nm	in.lb	mm	in.	kg	lb.	l/s	cfm	in.	mm	in.	
A	SH280-LR350-S90-A10S	205 147 631 4	M8	340	3/8	14-28	124-248	350	13.8	1.4	3.1	10	21	1/4	10	3/8	
A	SH280-LR80-S90-A10S	205 147 632 4	M8	80	3/8	14-28	124-248	350	13.8	1.4	3.1	10	21	1/4	10	3/8	
B	SH700-LR225-S90-A13S	205 147 474 4	M10-M12	225	1/2	34-70	301-619	487	19.2	2.4	5.3	16	34	1/4	10	3/8	
B	SH850-LR190-S90-A13S	205 147 475 4	M12	190	1/2	40-85	354-752	530	20.8	2.8	6.1	16	34	1/4	10	3/8	
C	SH1200-LR215-S90-A13S	205 147 476 4	M12-M14	215	1/2	70-120	354-1062	590	23.2	3.5	7.6	28	59	1/2	13	1/2	
C	SH2000-LR100-S90-A13S	205 147 801 4	M12-M14	100	1/2	115-200	1018-1770	608	23.9	4.4	9.7	28	59	1/2	13	1/2	

Screwdrivers - Shut off - Pistol grip

0.4 to 16 Nm (3.5 to 142 in.lb) - 180 to 3500 rpm



Model	ØA mm (in.)	L mm (in.)	Model	L mm (in.)
SBP...	31 (1.22)	182 (7.17)	SDT035..1100	212 (8.35)
SCBP...	31 (1.22)	182 (7.17)	SDT035..2200	212 (8.35)
SCP...	34 (1.34)	228 (8.97)	SDT055..1470	238 (9.37)
SCPT...	34 (1.34)	230 (9.06)	SDT075..1100	238 (9.37)
SDP023..3400	36 (1.42)	194 (7.64)	SDT100..800	238 (9.37)
SDP035..2100	36 (1.42)	194 (7.64)	SDT140..510	238 (9.37)
SDP055..1400	36 (1.42)	220 (8.66)	SDT160..320	238 (9.37)
SDP075..1050	36 (1.42)	220 (8.66)		
SDP100..780	36 (1.42)	220 (8.66)		
SDP140..490	36 (1.42)	220 (8.66)		
SDP160..300	36 (1.42)	220 (8.66)		
SDP045..180	36 (1.42)	220 (8.66)		

Types D and E, Top air inlet

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT HEX	TORQUE RANGE		FITTED SPRING		WEIGHT		AIR FLOW	AIR INLET	HOSE INT. Ø	
			rpm	in.	Nm	in.lb	Nm	in.lb	kg	lb.	l/s	cfm	in.	mm

PUSH AND TRIGGER START

A	SBP021-T2300-S4Q	1462144	2300	1/4	0.4-2.1	3.5-18.6	0.4-2.1	3.5-18.6	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SBP021-T1600-S4Q	1462154	1600	1/4	0.4-2.1	3.5-18.6	0.4-2.1	3.5-18.6	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SBP043-T1100-S4Q	1462164	1100	1/4	0.4-4.3	3.5-38	1.8-4.3	15.9-38.0	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SBP047-T550-S4Q	1462174	550	1/4	0.4-4.7	3.5-41.6	1.8-4.7	15.9-41.5	0.82	1.81	6.5	13.8	1/8	6	1/4

TRIGGER START

A	SCBP021-T2300-S4Q	1466374	2300	1/4	0.4-2.1	3.5-18.6	0.4-2.1	3.5-18.6	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SCBP021-T1600-S4Q	1466364	1600	1/4	0.4-2.1	3.5-18.6	0.4-2.1	3.5-18.6	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SCBP043-T1100-S4Q	1466354	1100	1/4	0.4-4.3	3.5-38	1.8-4.3	15.9-38	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SCBP044-T740-S4Q	1466344	740	1/4	0.4-4.4	3.5-39	1.8-4.4	15.9-39	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SCBP047-T550-S4Q	1466334	550	1/4	0.4-4.7	3.5-41.6	1.8-4.7	15.9-41.6	0.82	1.81	6.5	13.8	1/8	6	1/4
B	SCP021-T2300-S4Q	1456734	2300	1/4	0.4-2.1	3.5-18.6	0.4-0.9	3.5-7.9	0.86	1.89	6.5	13.8	1/8	6	1/4
B	SCP021-T1600-S4Q	1456744	1600	1/4	0.4-2.1	3.5-18.6	0.6-2.1	5.3-18.6	0.86	1.89	6.5	13.8	1/8	6	1/4
B	SCP043-T1100-S4Q	1456754	1100	1/4	0.4-4.3	3.5-38	0.9-4.3	7.9-38	0.86	1.89	6.5	13.8	1/8	6	1/4
B	SCP047-T550-S4Q	1456764	550	1/4	0.4-4.7	3.5-41.6	0.9-4.7	7.9-41.6	0.86	1.89	6.5	13.8	1/8	6	1/4
C	SDP023-T3400-S4Q	1465574	3400	1/4	1.0-2.3	8.9-20.3	1.0-2.3	8.9-20.3	0.9	1.98	9.0	19.1	1/4	10	3/8
C	SDP035-T2100-S4Q	1465564	2100	1/4	1.0-3.5	8.9-31	1.0-3.5	8.9-31	0.9	1.98	9.0	19.1	1/4	10	3/8
C	SDP055-T1400-S4Q	1465554	1400	1/4	1.0-5.5	8.9-48.7	1.0-5.5	8.9-48.7	1.0	2.20	9.0	19.1	1/4	10	3/8
C	SDP075-T1050-S4Q	1465544	1050	1/4	0.6-7.5	5.3-66.4	2.5-7.5	22.1-66.4	1.0	2.20	9.0	19.1	1/4	10	3/8
C	SDP100-T780-S4Q	1465534	780	1/4	0.6-10	5.3-88.5	3.5-10	31.0-88.5	1.0	2.20	9.0	19.1	1/4	10	3/8
C	SDP140-T490-S4Q	1465524	490	1/4	0.6-14	5.3-124	3.5-10	31.0-88.5	1.0	2.20	9.0	19.1	1/4	10	3/8
C	SDP160-T300-S4Q	1465514	300	1/4	0.6-16	5.3-142	3.5-10	31.0-88.5	1.0	2.20	9.0	19.1	1/4	10	3/8
C	SDP045-T180-S4Q	205 146 706 4	180	1/4	1.5-4.5	13.3-39.8	1.5-4.5	13.3-39.8	1.0	2.20	9.0	19.1	1/4	10	3/8
D	SDT035-T1100-S4Q	205 147 623 4	1100	1/4	1.0-3.5	8.9-31	1.0-3.5	8.9-31	1.0	2.20	9.0	19.1	1/4	10	3/8
D	SDT035-T2200-S4Q	1465774	2200	1/4	1.0-3.5	8.9-31	1.0-3.5	8.9-31	1.1	2.42	9.0	19.1	1/4	10	3/8
D	SDT055-T1470-S4Q	1465764	1470	1/4	2.0-5.5	17.7-48.7	2.0-5.5	17.7-48.7	1.1	2.42	9.0	19.1	1/4	10	3/8
D	SDT075-T1100-S4Q	1465754	1100	1/4	2.5-7.5	22.1-66.4	2.5-7.5	22.1-66.4	1.1	2.42	9.0	19.1	1/4	10	3/8
D	SDT100-T820-S4Q	1465744	820	1/4	3.5-10	31.0-88.5	3.5-10	31.0-88.5	1.1	2.42	9.0	19.1	1/4	10	3/8
D	SDT140-T510-S4Q	1465734	510	1/4	3.5-14	31.0-124	3.5-10	31.0-88.5	1.1	2.42	9.0	19.1	1/4	10	3/8
D	SDT160-T320-S4Q	1465724	320	1/4	3.5-16	31.0-142	3.5-10	31.0-88.5	1.1	2.42	9.0	19.1	1/4	10	3/8

PUSH START, TOP AIR INLET

E	SCPT021-A2300-S4Q	1458974	2300	1/4	0.4-2.1	3.5-18.6	0.4-0.9	3.5-7.9	0.86	1.89	6.5	13.8	1/8	6	1/4
E	SCPT021-A1600-S4Q	1458934	1600	1/4	0.4-2.1	3.5-18.6	0.6-2.1	5.3-18.6	0.86	1.89	6.5	13.8	1/8	6	1/4
E	SCPT043-A1100-S4Q	1458894	1100	1/4	0.4-4.3	3.5-38	0.9-4.3	7.9-38.0	0.86	1.89	6.5	13.8	1/8	6	1/4
E	SCPT047-A550-S4Q	1458854	550	1/4	0.4-4.7	3.5-41.6	0.9-4.7	7.9-41.6	0.86	1.89	6.5	13.8	1/8	6	1/4

Accessories

ACCESSORIES INCLUDED

	SC	SD	SH
• Suspension bail(s)	39433/280893	467003	
• Exhaust hose	396553	467073	
• Adjustment key	29932	29932	205 050 785 3
• Air hose nipple			205 051 239 3

PISTOL GRIP

ACCESSORIES INCLUDED

	SCBP	SBP	SCP SCPT	SDP SDT
• Suspension bail(s)	307683	307683	307683	473153
• Side handle (320 & 1470 rpm)				467033
• Clutch adjustment keys (320 - 1470 rpm)	205 047 988 3	446583	29932	29932
• Clutch adjustment keys (2200 - 3500 rpm)				467293

OPTIONAL ACCESSORIES

ITEM	SC	SD	SH
ANGLE HEAD			
• Exhaust hose for SH70/150/200/280/420/500/700/850	-	-	459813
• Exhaust hose for SH1200/2000	-	-	205 050 181 3
1 Suspension bail for SH70/150/200/280	-	-	205 051 632 3
1 Suspension bail for SH420/500/700/850	-	-	205 051 113 3
1 Suspension bail for SH1200/2000	-	-	615 396 562 0
2 Swiveling bail for SH420/500/750/850	-	-	205 051 115 3
2 Swiveling bail for SH1200/2000	-	-	205 051 232 3
• Suspension shackle	95842	70082	-
• Offset exhaust	-	205 047 623 3	-
3 Protective cover for SH70/150/200/280	-	-	205 011 426 2
3 Protective cover for SH420/500	-	-	205 050 182 3
3 Protective cover for SH700/850	-	-	205 050 235 3
3 Protective cover for SH1200/2000	-	-	205 050 252 3
4 Complete reaction bar kit for SH850/1200/2000	-	-	205 051 121 3
5 Reporting kit for SH70 (for connexion with FAS)	-	-	205 011 424 2
5 Reporting kit for SH150/200/280 (for connexion with FAS)	-	-	205 011 425 2
5 Reporting kit for SH420/500/700/850 (for connexion with FAS)	-	-	205 050 175 3
5 Reporting kit for SH1200/2000 (for connexion with FAS)	-	-	205 050 176 3

OPTIONAL ACCESSORIES

	SBP/SCBP	SCP/SCPT	SDP/SDT
PISTOL GRIP			
• Side handle	70442	70442	467033



Routers

375 Watts (0.5 hp) - 20000 to 40000 rpm
CNOMO type collet



A

600 & 900 Watts (0.8 & 1.21 hp) - 12000 to 28000 rpm
CNOMO type or Serie 200 Erickson collet



B

Caution: comply with the speed recommended by component and abrasive manufacturers

PIC REF	MODEL	FREE SPEED	POWER		AIR CONSUMPTION AT				PART NUMBER		ROUTER KIT	
			W	hp	FREE SPEED	MAX SPEED	CNOMO COLLET (-7)	SERIE 200 COLLET (-9)	MACHINED	BLANK		
		rpm			l/s	cfm	l/s	cfm				

375 W (0.5 HP) - CNOMO TYPE COLLET

A	KC340-7	40 000	375	0.5	7.5	16.0	10.0	21	615 170 032 0	-	+	615 396 069 0	615 396 070 0
A	KC331-7	31 000	375	0.5	4.5	9.5	9.5	20	615 170 031 0	-	+		
A	KC325-7	25 000	375	0.5	3.5	7.5	9.5	20	615 170 030 0	-	+		
A	KC320-7	20 000	220	0.3	2.5	5.0	8.0	17	615 170 029 0	-	+		

600 & 900 W (0.8 & 1.21 HP) - CNOMO OR SERIE 200 COLLET

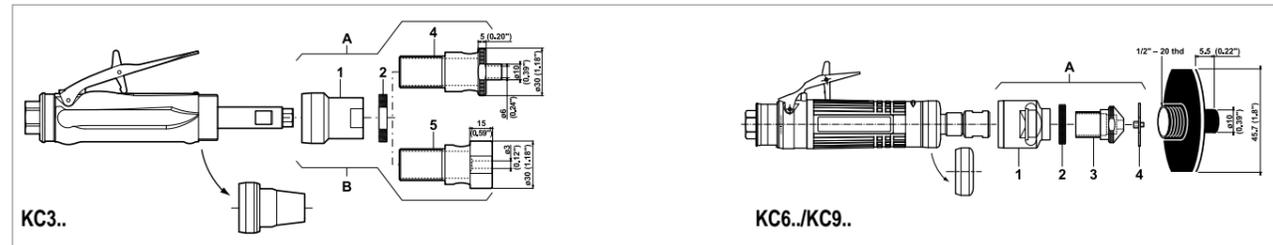
B	KC628-	28 000	600	0.80	7.5	16.0	10.0	21	615 170 126 0	615 170 158 0	+	615 396 289 0	-
B	KC624-	24 000	600	0.80	4.5	9.5	9.5	20	615 170 125 0	615 170 159 0	+		
B	KC922-	22 000	900	1.21	3.5	7.5	9.5	20	615 170 130 0	615 170 160 0	+		
B	KC619-	19 000	600	0.80	2.5	5.0	8.0	17	615 170 124 0	615 170 161 0			
B	KC918-	18 000	900	1.21	2.5	5.0	8.0	17	615 170 129 0	615 170 162 0			
B	KC615-	15 000	600	0.80	2.5	5.0	8.0	17	615 170 123 0	615 170 163 0			
B	KC915-	15 000	900	1.21	2.5	5.0	8.0	17	615 170 128 0	615 170 164 0			
B	KC912-	12 000	900	1.21	2.5	5.0	8.0	17	615 170 127 0	615 170 165 0			

If you need a complete tool use the KC624-9RT (24000 rpm) Part No. 615 170 290 0

If you need a specific speed or a higher power:

Select the motor, the speed of your choice below then add the routing kit.
For example: Tool with Series 200 collet -900 W - 22000 rpm (KC922-9) + routing kit
Order 615 170 160 0 + 615 396 289 0

Dimensions



Accessories

615 396 069 0: Machined routing kit for burr, max. ϕ 6.4mm (1/4")

615 396 070 0: Blank routing kit allowing you to adapt the blank to fit the application

OPTIONAL ACCESSORIES

ITEM	KC3..	KC6./KC9..
A Machined routing kit	615 396 069 0	615 396 289 0
B Blank routing kit (Item 1, 2, 5)	615 396 070 0	-
1 Flange	615 595 231 0	615 595 245 0
2 Adjusting nut	615 607 140 0	615 607 145 0
• Circlip	-	615 687 056 0
• Bearing	-	615 758 127 0
3 Router nose (including: circlips & bearing)	-	615 542 132 2
4 Machined routing guide	615 542 125 0	615 542 131 0
5 Blank routing guide	615 542 125 2	-

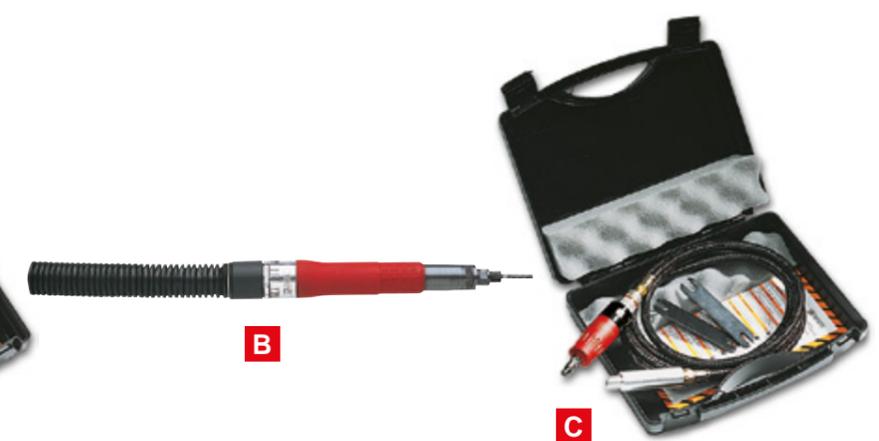


Die Grinders

44 & 100 Watts (0.06 & 0.13 hp) - 60000 & 100000 rpm



A



B

C

PIC REF	MODEL	PART NUMBER	FREE SPEED	COLLET MAX CAPACITY	POWER		WEIGHT		AIR CONSUMPTION		AIR INLET		HOSE INT. ϕ	
					W	hp	kg	lb	l/s	cfm	in.	mm	in.	
			rpm	mm										

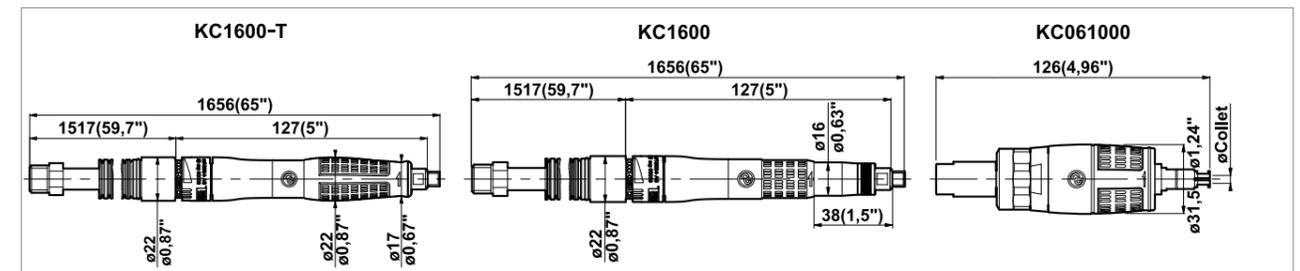
PENCIL DIE GRINDERS

A	KC1600-T	615 170 313 0	60000	3.00	100	0.13	0.15	0.33	4.9	10.4	1/4 BSP	6	1/4
B	KC1600	615 170 315 0	60000	3.00	100	0.13	0.15	0.33	4.9	10.4	1/4 BSP	8	1/4

TURBINE GRINDER

C	KC061000	205 146 638 4	100000	3.00	44	0.06	0.24	0.53	8.5	18.0	1/4	5	3/16
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Dimensions



Accessories

ACCESSORIES INCLUDED

ITEM	KC1600
• Collet ϕ 3mm	205 047 961 3
• Exhaust kit - L= 1m (39.4")	615 396 405 0
• Mounted inlet hose 1/4" BSP ϕ 6mm (1/4") - L= 1.5m (59")	615 875 119 0
• Spanner (Qty 2)	205 047 965 3

KC1600 / KC1600-T

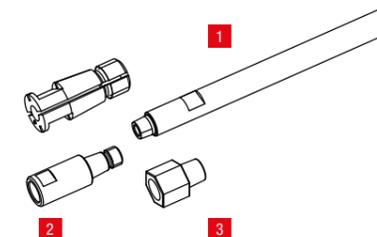
OPTIONAL ACCESSORIES

ITEM	PART NUMBER
• Collet, ϕ 2.38mm (3/32")	205 048 059 3
1 Machine extension L= 150mm (6")	615 595 330 0
2 Collet extension - L= 20mm (0.8")	615 595 329 0
3 Adaptor 1/4" BSP to 1/4" NPT female	181523

KC061000

OPTIONAL ACCESSORIES

ITEM	PART NUMBER
• Collet, ϕ 2.38mm (3/32")	205 048 059 3

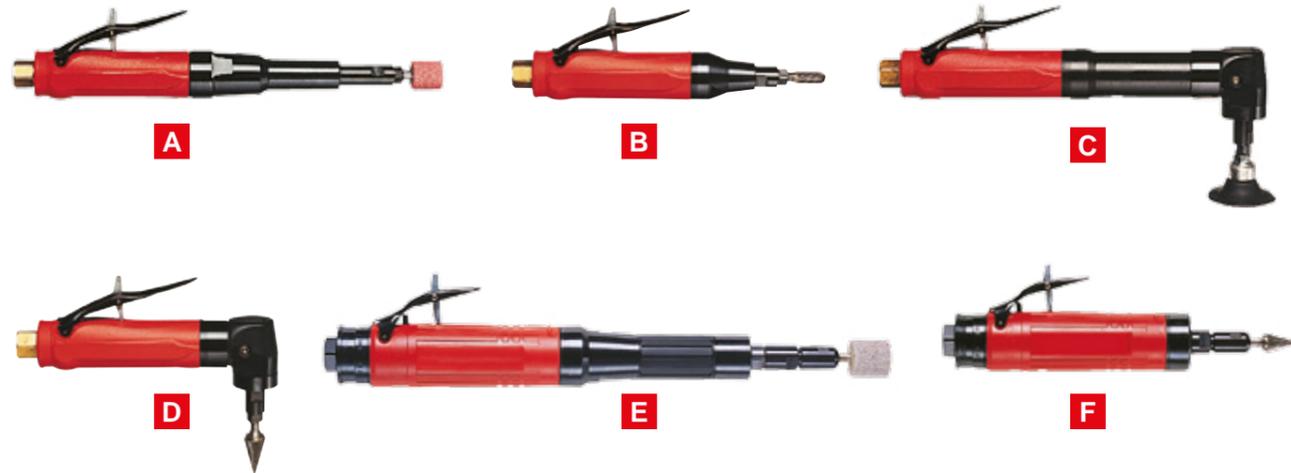


2

3

Collet Grinders - Cnomo type

300 to 900 Watts (0.4 to 1.21 hp) - 12000 to 40000 rpm

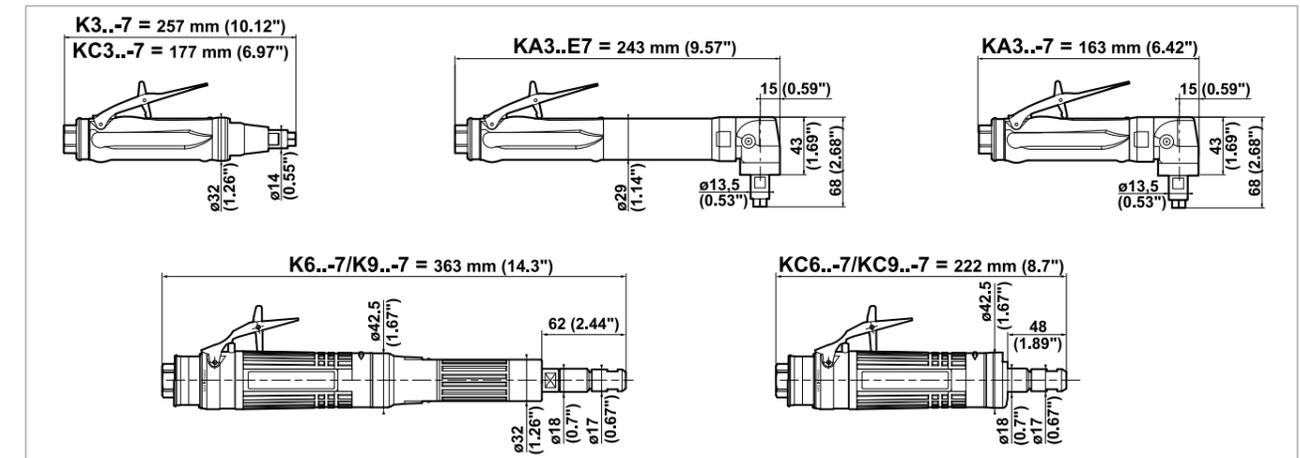


Caution: comply with the speed recommended by component and abrasive manufacturers

PIC REF	MODEL	PART NUMBER	FREE SPEED rpm	COLLET MAX CAPACITY		POWER		WEIGHT		AIR CONSUMPTION				AIR INLET in.	HOSE INT. Ø	
				mm	in.	W	hp	kg	lb	FREE SPEED	MAX SPEED	l/s	cfm		l/s	cfm
STRAIGHT GRINDERS - 375 W (0.5 hp)																
A	K340-7	615 170 036 0	40000	6.4	1/4	375	0.5	0.58	1.28	7.5	16.0	10.0	21	1/4	8	5/16
A	K331-7	615 170 035 0	31000	6.4	1/4	375	0.5	0.58	1.28	4.5	9.5	9.5	20	1/4	8	5/16
A	K325-7	615 170 034 0	25000	6.4	1/4	375	0.5	0.58	1.28	3.5	7.5	9.5	20	1/4	8	5/16
A	K320-7	615 170 033 0	20000	6.4	1/4	375	0.5	0.58	1.28	2.5	5.0	8.0	17	1/4	8	5/16
B	KC340-7	615 170 032 0	40000	6.4	1/4	375	0.5	0.40	0.88	7.5	16.0	10.0	21	1/4	8	5/16
B	KC331-7	615 170 031 0	31000	6.4	1/4	375	0.5	0.40	0.88	4.5	9.5	9.5	20	1/4	8	5/16
B	KC325-7	615 170 030 0	25000	6.4	1/4	375	0.5	0.40	0.88	3.5	7.5	9.5	20	1/4	8	5/16
B	KC320-7	615 170 029 0	20000	6.4	1/4	375	0.5	0.40	0.88	2.5	5.0	8.0	17	1/4	8	5/16
ANGLE GRINDERS - 300 & 375 W (0.4 & 0.5 hp)																
C	KA320E7	615 170 047 0	20000	6.4	1/4	375	0.5	0.60	1.32	6.5	13.5	10.0	21	1/4	8	5/16
C	KA312E7	615 170 039 0	12000	6.4	1/4	375	0.5	0.60	1.32	3.0	6.5	9.0	19	1/4	8	5/16
D	KA320-7	615 170 043 0	20000	6.4	1/4	375	0.5	0.50	1.10	6.5	13.5	10.0	21	1/4	8	5/16
D	KA312-7	615 170 037 0	12000	6.4	1/4	375	0.5	0.50	1.10	3.0	6.5	9.0	19	1/4	8	5/16
.	KA3.135-7	615 170 515 0	13500	8	5/16	300	0.4	0.60	1.30	9.5	20	-	-	1/4	6	1/4
STRAIGHT GRINDERS - 600 & 900 W (0.8 & 1.21 hp)																
E	K628-7	615 170 107 0	28000	8	5/16	600	0.80	1.3	2.9	16	34	15	32	3/8	10	3/8
E	K624-7	615 170 106 0	24000	8	5/16	600	0.80	1.3	2.9	10	21	15	32	3/8	10	3/8
E	K922-7	615 170 119 0	22000	8	5/16	900	1.21	1.4	3.1	13	28	18	38	3/8	10	3/8
E	K619-7	615 170 105 0	19000	8	5/16	600	0.80	1.3	2.9	6	13	15	32	3/8	10	3/8
E	K918-7	615 170 117 0	18000	8	5/16	900	1.21	1.4	3.1	10	21	18	38	3/8	10	3/8
E	K615-7	615 170 104 0	15000	8	5/16	600	0.80	1.3	2.9	6	13	15	32	3/8	10	3/8
E	K915-7	615 170 114 0	15000	8	5/16	900	1.21	1.4	3.1	8	17	17	36	3/8	10	3/8
E	K912-7	615 170 110 0	12000	8	5/16	900	1.21	1.4	3.1	6	13	16	34	3/8	10	3/8
F	KC628-7	615 170 126 0	28000	8	5/16	600	0.80	0.9	2.0	16	34	15	32	3/8	10	3/8
F	KC624-7	615 170 125 0	24000	8	5/16	600	0.80	0.9	2.0	10	21	15	32	3/8	10	3/8
F	KC922-7	615 170 130 0	22000	8	5/16	900	1.21	1.0	2.2	13	28	18	38	3/8	10	3/8
F	KC619-7	615 170 124 0	19000	8	5/16	600	0.80	0.9	2.0	6	13	15	32	3/8	10	3/8
F	KC918-7	615 170 129 0	18000	8	5/16	900	1.21	1.0	2.2	10	21	18	38	3/8	10	3/8
F	KC615-7	615 170 123 0	15000	8	5/16	600	0.80	0.9	2.0	6	13	15	32	3/8	10	3/8
F	KC915-7	615 170 128 0	15000	8	5/16	900	1.21	1.0	2.2	8	17	17	36	3/8	10	3/8
F	KC912-7	615 170 127 0	12000	8	5/16	900	1.21	1.0	2.2	6	13	16	34	3/8	10	3/8

Dimensions & Accessories

Dimensions



Accessories

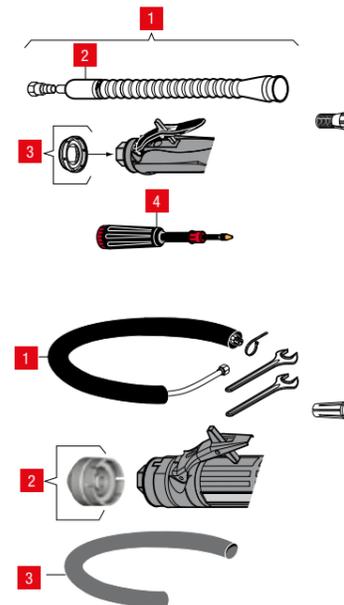
ACCESSORIES INCLUDED

	PART NUMBER	
	K3..-7/KC3..-7/KA3..E7	K6..-7/K9..-7/KC6..-7/KC9..-7
• Collet-holder extension L= 28mm (1.1")	-	615 523 018 0
• CNOMO collet ø 6mm	615 526 046 0	615 526 049 0
• Exhaust hose	615 875 106 0	615 875 113 0
• Air hose nipple	615 704 019 0	615 704 017 0
• Flat wrench 10mm (25/64")	615 801 002 0	-
• Flat wrench 11mm (7/16")	615 801 003 0	-
• Flat wrench 14mm (Qty 2)	-	615 801 005 0

K3..-7 / KC3..-7 / KA3..E7 / KA3..-7

OPTIONAL ACCESSORIES

ITEM	PART NUMBER
• CNOMO collet, ø 2.5mm	615 526 089 0
• CNOMO collet, ø 3mm	615 526 044 0
• CNOMO collet, ø 3.2mm (1/8")	615 526 045 0
• CNOMO collet, ø 4mm	615 526 090 0
• CNOMO collet, ø 5mm	615 526 092 0
• CNOMO collet, ø 6mm	615 526 046 0
• CNOMO collet, ø 6.4mm (1/4")	615 526 047 0
1 Complete silencer kit	615 396 101 0
2 Silencer	615 574 028 0
3 Clippable silencer	615 396 124 0
4 Grease gun (capacity 24g - 0.8 oz)	615 990 149 0
• Grease for bevel gear (1 kg - 2.2 lb)	615 990 148 0



K6..-7 / K9..-7 / KC6..-7 / KC9..-7

OPTIONAL ACCESSORIES

ITEM	PART NUMBER
• Collet-holder extension L= 28mm (1.1")	615 523 019 0
• CNOMO collet, ø 3mm	615 526 048 0
• CNOMO collet, ø 6mm	615 526 049 0
• CNOMO collet, ø 6.4mm	615 526 050 0
• CNOMO collet, ø 8mm	615 526 051 0
1 Complete silencer kit	615 396 166 0
2 Clippable silencer	615 396 655 0
3 Reinforced cloth-lined exhaust hose L=0.75m (30")	615 875 116 0

Collet Grinders - Series 200 Erickson

375 to 900 Watts (0.5 to 1.21 hp) - 9000 to 40000 rpm

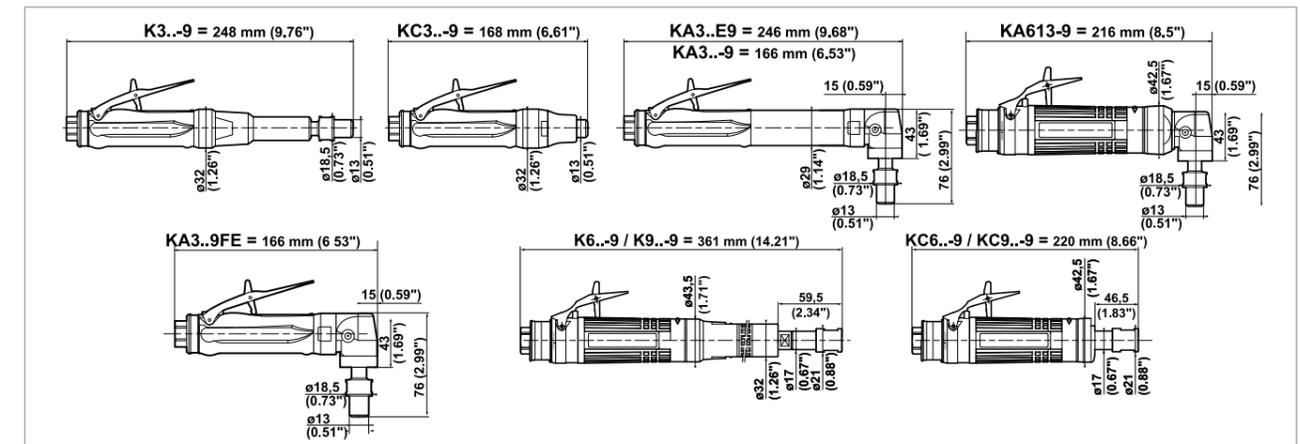


Caution: comply with the speed recommended by component and abrasive manufacturers

PIC REF	MODEL	PART NUMBER	FREE SPEED rpm	COLLET MAX CAPACITY		POWER W hp	WEIGHT		AIR CONSUMPTION AT				AIR INLET in.	HOSE INT. Ø		
				mm	in.		kg	lb	FREE SPEED	MAX SPEED	l/s	cfm		l/s	cfm	mm
STRAIGHT GRINDERS - 375 W (0.5 hp)																
A	K340-9	615 170 139 0	40000	6.4	1/4	375	0.5	0.57	1.26	7.5	16.0	10.0	21	1/4	8	5/16
A	K331-9	615 170 140 0	31000	6.4	1/4	375	0.5	0.57	1.26	4.5	9.5	9.5	20	1/4	8	5/16
A	K325-9	615 170 141 0	25000	6.4	1/4	375	0.5	0.57	1.26	3.5	7.5	9.5	20	1/4	8	5/16
A	K320-9	615 170 142 0	20000	6.4	1/4	375	0.5	0.57	1.26	2.5	5.0	8.0	17	1/4	8	5/16
B	KC340-9	615 170 143 0	40000	6.4	1/4	375	0.5	0.38	0.84	7.5	16.0	10.0	21	1/4	8	5/16
B	KC331-9	615 170 144 0	31000	6.4	1/4	375	0.5	0.38	0.84	4.5	9.5	9.5	20	1/4	8	5/16
B	KC325-9	615 170 145 0	25000	6.4	1/4	375	0.5	0.38	0.84	3.5	7.5	9.5	20	1/4	8	5/16
B	KC320-9	615 170 027 0	20000	6.4	1/4	375	0.5	0.38	0.84	2.5	5.0	8.0	17	1/4	8	5/16
B	KC318-9	615 170 196 0	18000	6.4	1/4	375	0.5	0.38	0.84	2.5	5.0	8.0	17	1/4	8	5/16
ANGLE GRINDERS - 375 & 600 W (0.5 & 0.8 hp)																
C	KA320E9	615 170 146 0	20000	6.4	1/4	375	0.5	0.61	1.35	6.5	13.5	10.0	21	1/4	8	5/16
C	KA312E9	615 170 147 0	12000	6.4	1/4	375	0.5	0.61	1.35	3.0	6.5	9.0	19	1/4	8	5/16
D	KA320-9	615 170 148 0	20000	6.4	1/4	375	0.5	0.51	1.13	6.5	13.5	10.0	21	1/4	8	5/16
D	KA318-9	615 170 461 0	18000	6.4	1/4	375	0.5	0.51	1.13	6.5	13.5	10.0	21	1/4	8	5/16
D	KA312-9	615 170 149 0	12000	6.4	1/4	375	0.5	0.51	1.13	3.0	6.5	9.0	19	1/4	8	5/16
D	KA309-9	615 170 266 0	9000	6.4	1/4	375	0.5	0.50	1.10	3.0	6.5	9.0	19	1/4	8	5/16
E	KA613-9	615 170 135 0	13000	6.4	1/4	600	0.8	1.10	2.40	10.0	21.0	15.0	32	3/8	10	3/8
ANGLE GRINDERS - 375 W (0.5 hp) - FRONT EXHAUST																
F	KA320-9FE	615 170 206 0	20000	6.4	1/4	375	0.5	0.51	1.13	6.5	13.5	10.0	21	1/4	8	5/16
F	KA312-9FE	615 170 205 0	12000	6.4	1/4	375	0.5	0.51	1.13	3.0	6.5	9.0	19	1/4	8	5/16
STRAIGHT GRINDERS - 600 & 900 W (0.8 & 1.21 hp)																
G	K628-9	615 170 150 0	28000	9.5	3/8	600	0.80	1.3	2.9	16	34	15	32	3/8	10	3/8
G	K624-9	615 170 151 0	24000	9.5	3/8	600	0.80	1.3	2.9	10	21	15	32	3/8	10	3/8
G	K922-9	615 170 152 0	22000	9.5	3/8	900	1.21	1.4	3.1	13	28	18	38	3/8	10	3/8
G	K619-9	615 170 153 0	19000	9.5	3/8	600	0.80	1.3	2.9	6.0	13	15	32	3/8	10	3/8
G	K918-9	615 170 154 0	18000	9.5	3/8	900	1.21	1.4	3.1	10	21	18	38	3/8	10	3/8
G	K615-9	615 170 155 0	15000	9.5	3/8	600	0.80	1.3	2.9	6.0	13	15	32	3/8	10	3/8
G	K915-9	615 170 156 0	15000	9.5	3/8	900	1.21	1.4	3.1	8.0	17	17	36	3/8	10	3/8
G	K912-9	615 170 157 0	12000	9.5	3/8	900	1.21	1.4	3.1	6.0	13	16	34	3/8	10	3/8
H	KC628-9	615 170 158 0	28000	9.5	3/8	600	0.80	0.9	2.0	16	34	15	32	3/8	10	3/8
H	KC624-9	615 170 159 0	24000	9.5	3/8	600	0.80	0.9	2.0	10	21	15	32	3/8	10	3/8
H	KC922-9	615 170 160 0	22000	9.5	3/8	900	1.21	1.0	2.2	13	28	18	38	3/8	10	3/8
H	KC619-9	615 170 161 0	19000	9.5	3/8	600	0.80	0.9	2.0	6.0	13	15	32	3/8	10	3/8
H	KC918-9	615 170 162 0	18000	9.5	3/8	900	1.21	1.0	2.2	10	21	18	38	3/8	10	3/8
H	KC615-9	615 170 163 0	15000	9.5	3/8	600	0.80	0.9	2.0	6.0	13	15	32	3/8	10	3/8
H	KC915-9	615 170 164 0	15000	9.5	3/8	900	1.21	1.0	2.2	8.0	17	17	36	3/8	10	3/8
H	KC912-9	615 170 165 0	12000	9.5	3/8	900	1.21	1.0	2.2	6.0	13	16	34	3/8	10	3/8

Dimensions & Accessories

Dimensions



Accessories

ACCESSORIES INCLUDED

	K3../KC3../KA3..-9	KA3..-9FE	KA613-9	K6../KC6../K9../KC9..
• Serie 300 resilient collet, ø 5.55 to 6.35mm (1/4")	615 526 059 0	615 526 059 0	615 526 059 0	-
• Serie 200 resilient collet, ø 5.55 to 6.35mm (1/4")	-	-	-	615 526 063 0
• Exhaust hose	615 875 106 0	-	615 875 113 0	615 875 113 0
• Clippable silencer	-	615 396 124 0	-	-
• Air hose nipple	615 704 019 0	615 704 019 0	615 704 017 0	615 704 017 0
• Flat wrench 11mm (7/16")	615 801 003 0	615 801 003 0	615 801 003 0	-
• Flat wrench 14mm	-	-	-	615 801 005 0
• Flat wrench 17mm (11/16")	615 801 032 0	615 801 032 0	615 801 032 0	-
• Flat wrench 19mm (3/4")	-	-	-	615 801 076 0

K3..-9 / KC3..-9 / KA3..E9 / KA3..-9 / KA3..-9FE / KA613-9

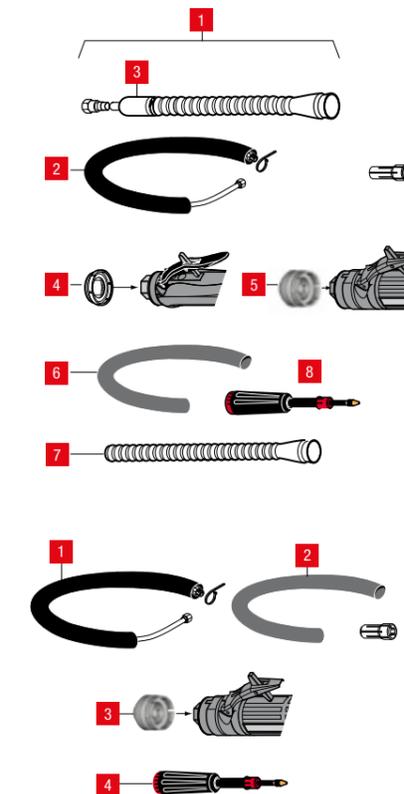
OPTIONAL ACCESSORIES

ITEM	K3/KC3../KA3..	KA613-9
• Serie 300 resilient collet, ø 0.4 to 1.2mm	615 526 052 0	615 526 052 0
• Serie 300 resilient collet, ø 1.2 to 2mm	615 526 053 0	615 526 053 0
• Serie 300 resilient collet, ø 1.7 to 2.5mm	615 526 054 0	615 526 054 0
• Serie 300 resilient collet, ø 2.4 to 3.2mm (1/8")	615 526 055 0	615 526 055 0
• Serie 300 resilient collet, ø 3.16 to 3.96mm	615 526 056 0	615 526 056 0
• Serie 300 resilient collet, ø 3.95 to 4.75mm	615 526 057 0	615 526 057 0
• Serie 300 resilient collet, ø 4.75 to 5.55mm	615 526 058 0	615 526 058 0
• Serie 300 resilient collet, ø 5.55 to 6.35mm (1/4")	615 526 059 0	615 526 059 0
1 Complete silencer kit	615 396 101 0	-
2 Complete silencer kit	-	615 396 166 0
3 Silencer	615 574 028 0	-
4 Clippable silencer	615 396 124 0	-
5 Clippable silencer	-	615 396 655 0
6 Reinforced cloth-lined exhaust hose L=0.75m (30")	-	615 875 116 0
7 Exhaust hose L=0.8m (31") for KA3..-9FE	615 875 106 0	-
8 Grease gun (capacity 24g - 0.8 oz)	615 990 149 0	615 990 149 0
• Grease for bevel gear (1 kg - 2.2 lb)	615 990 148 0	615 990 148 0

K6..-9 / K9..-9 / KC6..-9 / KC9..-9

OPTIONAL ACCESSORIES

ITEM	PART NUMBER
• Serie 200 resilient collet, ø 2.4 to 3.2mm (1/4")	615 526 061 0
• Serie 200 resilient collet, ø 5.2 to 6mm	615 526 062 0
• Serie 200 resilient collet, ø 5.55 to 6.35mm (1/4")	615 526 063 0
• Serie 200 resilient collet, ø 7.2 to 8mm	615 526 064 0
• Serie 200 resilient collet, ø 8.7 to 9.5mm (3/8")	615 526 065 0
1 Complete silencer kit	615 396 166 0
2 Reinforced cloth-lined exhaust hose L=0.75m (30")	615 875 116 0
3 Clippable silencer	615 396 655 0
4 Grease gun (capacity 24g - 0.8 oz)	615 990 149 0
• Grease for bevel gear (1 kg - 2.2 lb)	615 990 148 0



Angle Sanders

ø 76mm (3") - ø 100mm (4") - ø 127mm (5") - ø 150mm (6") - ø 180mm (7")

Supplied with 1/4", 3/8", 5/8" or M14 threaded spindle only



Caution: comply with the speed recommended by component and abrasive manufacturers

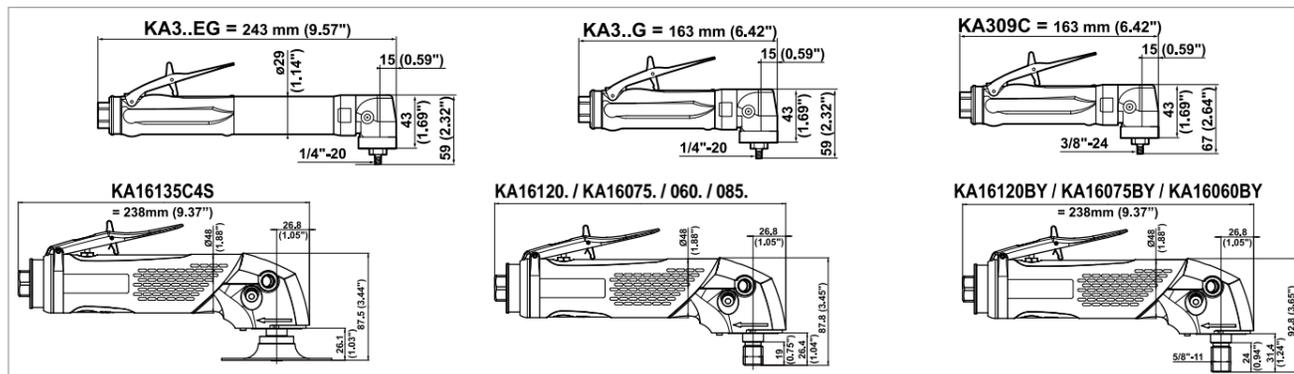
PIC REF	MODEL	PART NUMBER	FREE SPEED	THREADED SPINDLE	POWER		WEIGHT		AIR CONSUMPTION AT				AIR INLET		HOSE INT Ø	
					W	hp	kg	lb	FREE SPEED	MAX SPEED	l/s	cfm	l/s	cfm	in.	mm
A	KA320EG	615 170 048 0	20000	1/4"-20	375	0.5	0.67	1.47	6.5	13.5	10	21	1/4	8	5/16	
A	KA312EG	615 170 040 0	12000	1/4"-20	375	0.5	0.67	1.47	3.0	6.5	9	19	1/4	8	5/16	
B	KA320G	615 170 044 0	20000	1/4"-20	375	0.5	0.50	1.10	6.5	13.5	10	21	1/4	8	5/16	
B	KA318G	615 170 310 0	18000	1/4"-20	375	0.5	0.50	1.10	3.0	6.5	9	19	1/4	8	5/16	
B	KA312G	615 170 038 0	12000	1/4"-20	375	0.5	0.50	1.10	3.0	6.5	9	19	1/4	8	5/16	
B	KA309G	615 170 204 0	9000	1/4"-20	220	0.3	0.50	1.10	2.2	4.7	8	17	1/4	8	5/16	
C	KA309C	615 170 203 0	9000	1/4"-20	220	0.3	0.50	1.10	2.2	4.7	8	17	1/4	8	5/16	
D	KA16135C4S	615 170 446 0	13500	3/8"-24	1600	2.15	1.48	3.3	25	53	35	74	3/8	13	1/2	
E	KA16120A	615 170 435 0	12000	M14x2	1600	2.15	1.39	3.0	20	42	32	68	3/8	13	1/2	
E	KA16120B	615 170 445 0	12000	5/8"-11	1600	2.15	1.39	3.0	20	42	32	68	3/8	13	1/2	
F/G	KA16085A	615 170 468 0	8500	M14x2	1600	2.15	1.39	3.0	20	42	32	68	3/8	13	1/2	
F/G	KA16085B	615 170 469 0	8500	5/8"-11	1600	2.15	1.39	3.0	20	42	32	68	3/8	13	1/2	
F/G	KA16075A	615 170 448 0	7500	M14x2	1400	1.90	1.39	3.0	15	32	27	57	3/8	13	1/2	
F/G	KA16075B	615 170 452 0	7500	5/8"-11	1400	1.90	1.39	3.0	15	32	27	57	3/8	13	1/2	
F/G	KA16060A	615 170 449 0	6000	M14x2	1250	1.69	1.41	3.1	11	23	23	49	3/8	13	1/2	
F/G	KA16060B	615 170 453 0	6000	5/8"-11	1250	1.69	1.41	3.1	11	23	23	49	3/8	13	1/2	

For USA Market only (to ANSI B186.1)

E	KA16120BY	615 170 447 0	12000	5/8"-11	1600	2.15	1.41	3.1	20	42	32	68	3/8	13	1/2
G	KA16075BY	615 170 450 0	7500	5/8"-11	1400	1.90	1.41	3.1	15	32	27	57	3/8	13	1/2
G	KA16060BY	615 170 451 0	6000	5/8"-11	1250	1.69	1.41	3.1	11	23	23	49	3/8	13	1/2

1/4"-20 UNC - 3/8"-24 UNF - 5/8"-11 UNC

Dimensions



Accessories

ACCESSORIES INCLUDED

	KA3..EG/KA3..G KA309C	KA16135C4S KA16120	KA16085 KA16075/060
• Exhaust hose	615 875 106 0	615 875 113 0	615 875 113 0
• 1/4" air hose nipple	615 704 019 0	-	-
• 3/8" air hose nipple	-	615 704 027 0	615 704 027 0
• Side handle	-	-	615 576 038 0
• Flat wrench, 17mm (11/16")	-	615 801 032 0	615 801 032 0
• Vibration-damping side handle	-	615 576 066 0	-
• Flange for KA16135C4S	-	615 606 515 0	-
• Backing with nut for KA16135C4S	-	615 990 167 0	-
• Pin wrench, 20-3mm for KA16135C4S	-	615 802 008 0	-
• Flat wrench, 11mm (7/16")	615 801 003 0	-	-

OPTIONAL ACCESSORIES

ITEM	KA16120A KA16085/075/060A	KA16120B KA16085/075/060B
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Sanding with standard abrasive disc ø 127mm (5")

A Sanding kit for abrasive disc (including Items 2-3)	615 396 072 0	615 396 072 0
1 Finger guard	615 504 145 0	615 504 145 0
2 Ventilated backing pad with nut M14 & 5/8" (max. 12000rpm)	615 990 127 0	615 990 127 0
• Pin wrench, 35mm (1-3/8")	615 802 010 0	615 802 010 0
• Hex key, 8mm (5/16")	615 802 061 0	615 802 061 0
3 M14 Spacer	615 641 027 0	-
3 5/8" Spacer	-	615 642 050 0

ITEM	KA16120A KA16085/075/060A
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Sanding with semi-rigid disc ø 127mm (5")

B Sanding kit for semirigid disc (including Items 2-3)	615 396 075 0
1 Finger guard	615 504 145 0
4 Backing pad with nut M14 (max. 12000rpm)	615 990 129 0*
• Pin wrench, 35mm (1-3/8")	615 802 010 0
• Hex key, 8mm (5/16")	615 802 061 0
3 M14 Spacer	615 641 027 0

ITEM	KA16085/075/060A M14X2	KA16085/075/060B 5/8"-11	KA16075/060BY 5/8"-11
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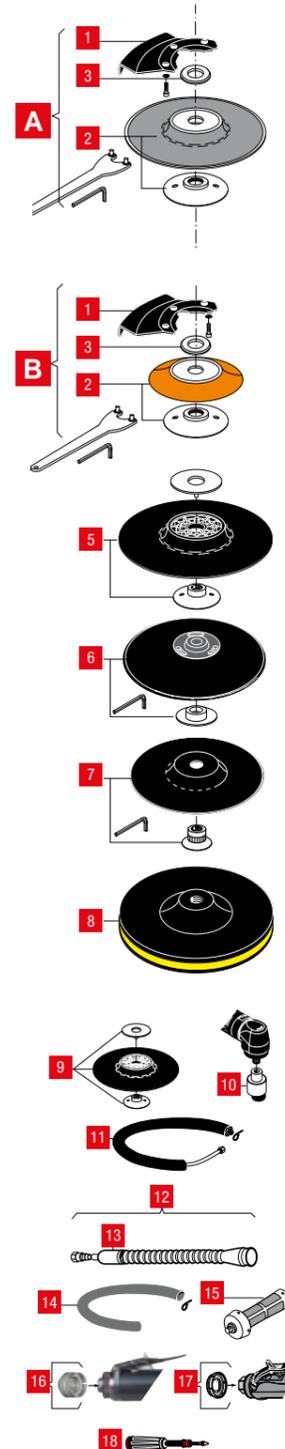
Sanding

5 Soft backing pad with nut M14 & 5/8" ø 180mm (7") (max. 8500rpm)	615 990 133 0*	615 990 133 0*	-
5 Rigid backing pad with nut M14 & 5/8" ø 180mm (7") (max. 8500rpm)	615 990 134 0*	615 990 134 0*	-
• Pin wrench, 35mm (1-3/8")	615 802 010 0	615 802 010 0	-
6 Spiracool pad with nut 5/8" ø 180mm (7") (max. 8500rpm)	-	-	S091836
7 Complete kit ø 180mm (7") (max. 7000rpm) for KA16060BY	-	-	KF129587
• Hex key, 8mm (5/16")	-	-	615 802 061 0
8 Rigid velcro-backed backing pad ø 180mm (7") (max. 8500rpm)	615 990 146 0	-	-
8 Rigid velcro-backed backing pad ø 150mm (6") (max. 10000rpm)	615 990 138 0	-	-

* Spare part: Nut 6156060220 for M14 & 6156060290 for 5/8"

OTHER OPTIONAL ACCESSORIES

ITEM	KA3..	KA16...
9 Semi-hard backing pad with nut M14 & 5/8" - ø 127mm (5") (max.12000rpm)	-	615 804 074 0
10 Excentric sanding head for 1" pad for KA309C	615 396 251 0	-
11 Complete silencer kit	-	615 396 166 0
12 Complete silencer kit	615 396 101 0	-
13 Silencer	615 574 028 0	-
14 Reinforced cloth-lined exhaust hose L=0.75m	-	615 875 116 0
15 Vibration-damping side handle	-	615 576 066 0
16 Clippable silencer	-	615 396 957 0
17 Clippable silencer	615 396 124 0	-
18 Grease gun (capacity 24g - 0.8 oz)	615 990 149 0	615 990 149 0
• Greasefor bevel gear (1 kg - 2.2 lb)	615 990 148 0	615 990 148 0



Dust Extraction Systems for angle grinders and sanders

Ø 127mm (5") - Ø 180mm (7")



A
Cutting depth 31.5mm (1.24")
Dust extraction casing for diamond disc Ø 127mm (5")
Vacuum hose ID 25mm (1")

B C
Vacuum hose ID 38mm (1-1/2")

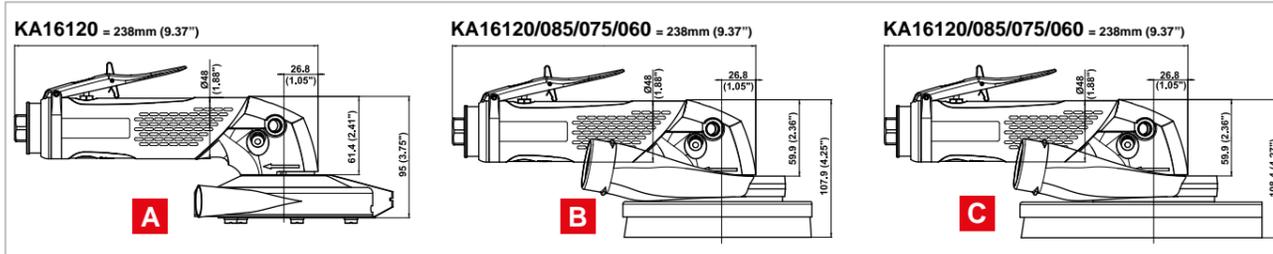
B C
Vacuum hose ID 38mm (1-1/2")

Caution: comply with the speed recommended by component and abrasive manufacturers

PIC REF	MODEL	PART NUMBER	DUST EXTRACTION KIT		FREE SPEED rpm	THREADED SPINDLE in.	POWER		WEIGHT		AIR CONSUMPTION AT				AIR INLET in.
			Ø 127MM (5")	Ø 180MM (7")			W	hp	kg	lb	FREE SPEED l/s	MAX SPEED cfm	FREE SPEED l/s	MAX SPEED cfm	
CUTTING Ø 127mm (5") - M14 Output															
A	KA16120A	615 170 435 0 + 615 397 830 0	-	-	12000	M14x2	1600	2.15	1.39	3.0	25	53	35	74	1/2
A	KA16085A	615 170 468 0 + 615 397 830 0	-	-	8500	M14x2	1600	2.15	1.39	3.0	20	42	32	68	1/2
A	KA16075A	615 170 448 0 + 615 397 830 0	-	-	7500	M14x2	1400	1.90	1.39	3.0	15	32	27	57	1/2
A	KA16060A	615 170 449 0 + 615 397 830 0	-	-	6000	M14x2	1250	1.69	1.41	3.1	11	23	23	49	1/2
CUTTING Ø 127mm (5") - 5/8" Output															
A	KA16120B	615 170 445 0 + 615 397 830 0	-	-	12000	5/8-11	1600	2.15	1.98	4.4	20	42	32	68	1/2
A	KA16085B	615 170 469 0 + 615 397 830 0	-	-	8500	5/8-11	1600	2.15	1.39	3.0	20	42	32	68	1/2
A	KA16075B	615 170 452 0 + 615 397 830 0	-	-	7500	5/8-11	1400	1.90	1.39	3.0	15	32	27	57	1/2
A	KA16060B	615 170 453 0 + 615 397 830 0	-	-	6000	5/8-11	1250	1.69	1.41	3.1	11	23	23	49	1/2
CUTTING Ø 127mm (5") - 5/8" Output for USA Market only (to ANSI B186.1)															
A	KA16120BY	615 170 447 0 + 615 397 830 0	-	-	12000	5/8-11	1600	2.15	1.98	4.4	20	42	32	68	1/2
A	KA16075BY	615 170 450 0 + 615 397 830 0	-	-	7500	5/8-11	1400	1.90	1.39	3.0	15	32	27	57	1/2
A	KA16060BY	615 170 451 0 + 615 397 830 0	-	-	6000	5/8-11	1250	1.69	1.41	3.1	11	23	23	49	1/2
SANDING Ø 127mm (5") & Ø 180mm (7") - M14 & 5/8" Output															
B	KA16120A	615 170 435 0 + 615 397 828 0 or 615 397 829 0	12000	M14x2	1600	2.15	1.39	3.0	20	42	32	68	1/2		
B	KA16120B	615 170 445 0 + 615 397 828 0 or 615 397 829 0	12000	5/8-11	1600	2.15	1.39	3.0	20	42	32	68	1/2		
B	KA16085A	615 170 468 0 + 615 397 828 0 or 615 397 829 0	8500	M14x2	1600	2.15	1.39	3.0	20	42	32	68	1/2		
B	KA16085B	615 170 469 0 + 615 397 828 0 or 615 397 829 0	8500	5/8-11	1600	2.15	1.39	3.0	20	42	32	68	1/2		
B	KA16075A	615 170 448 0 + 615 397 828 0 or 615 397 829 0	7500	M14x2	1400	1.90	1.39	3.0	15	32	27	57	1/2		
B	KA16075B	615 170 452 0 + 615 397 828 0 or 615 397 829 0	7500	5/8-11	1400	1.90	1.39	3.0	15	32	27	57	1/2		
B	KA16060A	615 170 449 0 + 615 397 828 0 or 615 397 829 0	6000	M14x2	1250	1.69	1.41	3.1	11	23	23	49	1/2		
B	KA16060B	615 170 453 0 + 615 397 828 0 or 615 397 829 0	6000	5/8-11	1250	1.69	1.41	3.1	11	23	23	49	1/2		

5/8"-11 UNC

Dimensions



Accessories

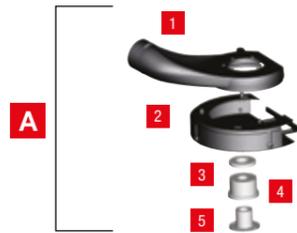
ACCESSORIES INCLUDED

	PART NUMBER.
• Exhaust hose	615 875 113 0
• 3/8" air hose nipple for 13mm ID hose	615 704 027 0
• Side handle	615 576 038 0
• Flat wrench, 17mm (11/16")	615 801 032 0

KA16120./ KA16085. / KA16075. / KA16060

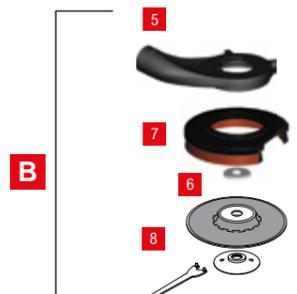
OPTIONAL ACCESSORIES

ITEM	PART NUMBER
Dust extraction for composite cutting	
A	Dust extraction Kit for diamond disk Ø 127mm (5")
1	Manifold with screws
2	Goble cover plate complet
3	Spacer 6mm - Hole 14mm
3	Spacer 6mm - Hole 16mm
4	Spacer for M14 spindle
4	Spacer for 5/8" spindle
5	Flange nut M14
5	Flange nut 5/8"
	• Pin key



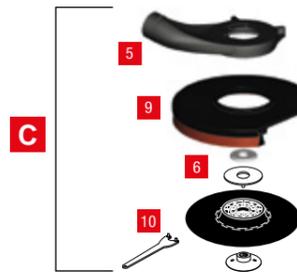
OPTIONAL ACCESSORIES

ITEM	KA16120./085. KA16075./060. Ø 127MM (5")
Dust extraction for composite, non metal sanding	
B	Dust Extraction Kit for disc Ø 127mm (5")
5	Suction cap
6	Washer
7	Skirt with brush
8	Rigid backing pad with nut M14 & 5/8" Ø 127mm (5") (max. 12000rpm)
	• Pin wrench 35mm (1-3/8")



OPTIONAL ACCESSORIES

ITEM	KA16120./085. KA16075./060. Ø 180MM (7")
Dust extraction for composite, non metal sanding	
C	Dust Extraction Kit for disc Ø 180mm (7")
5	Suction cap
6	Washer
9	Skirt with brush
10	Rigid backing pad with nut M14 & 5/8" Ø 180mm (7") (max. 8500rpm)
	• Pin wrench 35mm (1-3/8")



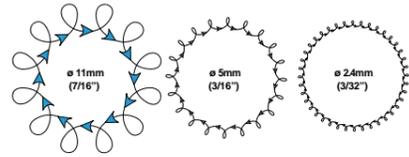
OTHER OPTIONAL ACCESSORIES

ITEM	PART NUMBER
11	Diamond disc Ø 127mm (5")
12	Complete silencer kit
13	Clamp
14	Reinforced cloth-lined exhaust hose L = 0.75m (30")
15	Vibration-damping side handle
16	Clippable silencer
17	Grease gun includes 24g (0.8oz)
	• Grease for bevel gear (1 kg - 2.2 lb)



Random Orbital Sanders for abrasive discs

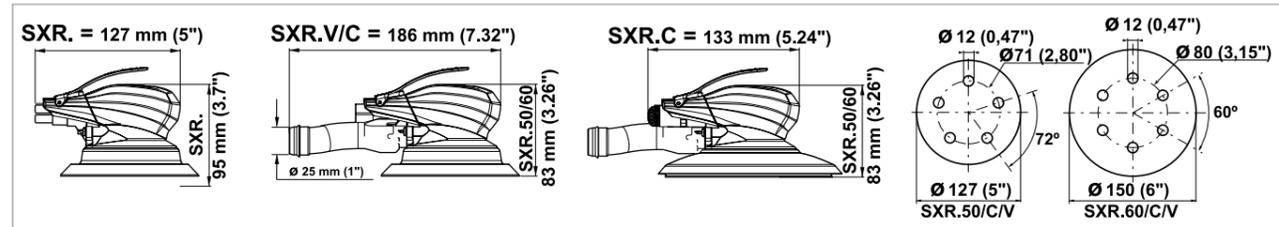
Ø 127mm (5") - Ø 150mm (6")



Caution: comply with the speed recommended by component and abrasive manufacturers

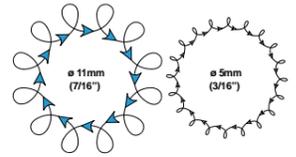
PIC REF	MODEL	PART NUMBER	PAD SIZE		ORBIT		FREE SPEED	MOTOR POWER	WEIGHT		AIR FLOW		AIR INLET	HOSE INT. Ø		
			mm	in.	mm	in.			rpm	W	hp	kg		lb	l/s	cfm
NON-VACUUM																
A	SXRA50	615 170 219 0	127	5	2.4	3/32	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
D	SXRA60	615 170 220 0	150	6	2.4	3/32	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
A	SXRB50	615 170 210 0	127	5	5	3/16	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
D	SXRB60	615 170 211 0	150	6	5	3/16	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
D	SXRC60	615 170 462 0	150	6	11	7/16	12000	210	0.3	0.9	1.9	8.0	16.6	1/4	6	1/4
EXTERNAL VACUUM																
B	SXRA50C	615 170 225 0	127	5	2.4	3/32	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
C	SXRA60C	615 170 226 0	150	6	2.4	3/32	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
B	SXRB50C	615 170 216 0	127	5	5	3/16	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
C	SXRB60C	615 170 217 0	150	6	5	3/16	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
C	SXRC60C	615 170 463 0	150	6	11	7/16	12000	210	0.3	0.9	1.9	8.0	16.6	1/4	6	1/4
SELF VACUUM																
E	SXRA50V	615 170 222 0	127	5	2.4	3/32	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
F	SXRA60V	615 170 223 0	150	6	2.4	3/32	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
E	SXRB50V	615 170 213 0	127	5	5	3/16	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
F	SXRB60V	615 170 214 0	150	6	5	3/16	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
F	SXRC60V	615 170 464 0	150	6	11	7/16	12000	210	0.3	0.9	1.9	8.0	16.6	1/4	6	1/4

Dimensions



Random Orbital Sanders for abrasive discs

Ø 150mm (6")



Caution: comply with the speed recommended by component and abrasive manufacturers

PIC REF	MODEL	PART NUMBER	PAD SIZE		ORBIT		FREE SPEED	MOTOR POWER	WEIGHT		AIR FLOW		AIR INLET	HOSE INT. Ø		
			mm	in.	mm	in.			rpm	W	hp	kg		lb	l/s	cfm
NON-VACUUM																
A	SXRB60H	615 170 355 0	150	6	5	3/16	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
A	SXRC60H	615 170 465 0	150	6	11	7/16	12000	210	0.3	0.9	1.9	8.0	16.6	1/4	6	1/4
EXTERNAL VACUUM																
B	SXRB60HC	615 170 362 0	150	6	5	3/16	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
B	SXRC60HC	615 170 466 0	150	6	11	7/16	12000	210	0.3	0.9	1.9	8.0	16.6	1/4	6	1/4
SELF VACUUM																
C	SXRB60HV	615 170 359 0	150	6	5	3/16	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
C	SXRC60HV	615 170 467 0	150	6	11	7/16	12000	210	0.3	0.9	1.9	8.0	16.6	1/4	6	1/4

Accessories

ACCESSORIES INCLUDED

	PART NUMBER
• 1/4" air hose nipple	615 705 009 0
• Small grip (medium size grip fitted on sander)	615 303 108 0
• Flat wrench 26mm across flats	615 801 078 0
• Complete dust extraction kit for SXR...V and SXRB...V version	615 396 264 0

Pads: Thread 5/16"-24

ACCESSORIES INCLUDED

	HOOK & LOOP ABRASIVE	HOOK & LOOP ABRASIVE W/HOLES
• Pad Ø 127mm (5") - 100gr - SXR(.)50	615 990 156 0	615 990 157 0
• Pad Ø 150mm (6") - 130gr - SXR(.)60	615 990 154 0	615 990 155 0

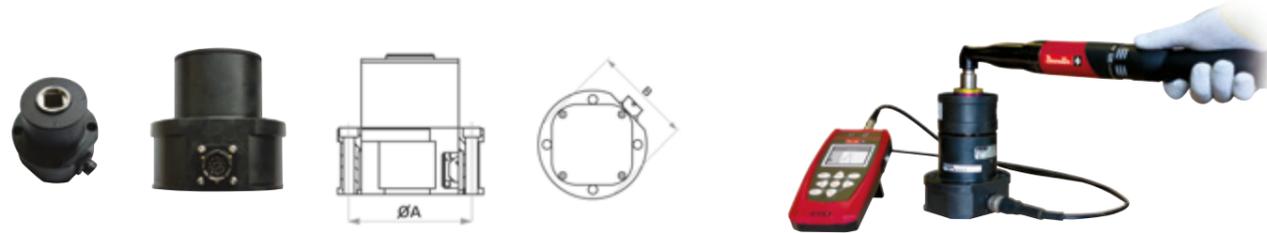
OPTIONAL ACCESSORIES

	SELF-ADHESIVE ABRASIVE	SELF-ADHESIVE ABRASIVE (V) OR (C) WITH HOLES
Pads: Thread 5/16"-24		
• Pad Ø 127mm (5") - 100gr - SXR(.)50	615 990 161 0	615 990 162 0
• Pad Ø 150mm (6") - 130gr - SXRA(.)60.	615 990 159 0	615 990 160 0
Vacuum skirts		
• Vacuum skirt for SXR(.) 50C		615 350 107 0
• Vacuum skirt for SXR(.) 60(H)C		615 350 106 0
• Vacuum skirt for SXR(.) 50V		615 350 103 0
• Vacuum skirt for SXR(.) 60(H)CV		615 350 102 0
Adaptor		
• Vacuum hose adaptor Ø 25mm (1") / Ø 32mm (1-1/4")		615 350 117 0
• Vacuum hose adaptor Ø 25mm (1") / Ø 28mm (1-1/8")		615 350 448 0
Hose		
• Dust extraction hose Ø 25mm (1") Long. 1.5m (60")		615 396 263 0
Bail Hook		
• Bail hook		615 571 060 0



DST - Digital Static Transducers

Designed for testing wrenches, click wrenches or for tightening tools where rotary action is not desired during measurement. In the case of a Shut-Off tool test a joint simulator as an accessory is required. Torque Accuracy: 0.35% of Torque Reading.



MODEL	PART NUMBER	TORQUE RANGE		SQUARE DRIVE	DIMENSIONS				WEIGHT	
		Nm	lb		Ø A		Ø B		kg	lb
DST 0.5 Nm - 13	615 165 537 0	0.05-0.5	0.04-0.4	1/2	81	3.19	91	3.58	2.2	5.1
DST 2 Nm - 13	615 165 532 0	0.2-2	0.15-1.5	1/2	81	3.19	91	3.58	2.2	5.1
DST 5 Nm - 13	615 165 533 0	0.5-5	0.37-3.7	1/2	81	3.19	91	3.58	2.3	5.1
DST 10 Nm - 20	615 165 534 0	1-10	0.74-7.4	3/4	86	3.38	93	3.66	3.1	6.8
DST 30 Nm - 20	615 165 535 0	3-30	2.21-22	3/4	89	3.50	96	3.78	3.4	7.5
DST 80 Nm - 25	615 165 538 0	8-80	5.89-59	1	108	4.25	116	4.57	5.8	12.8
DST 200 Nm - 25	615 165 539 0	20-200	14.7-147	1	108	4.25	116	4.57	5.8	12.8
DST 500 Nm - 32	615 165 541 0	50-500	36.8-368	1-1/4	133	5.24	144	5.67	11.8	26.0
DST 1000 Nm - 32	615 165 542 0	100-1000	73.7-737	1-1/4	133	5.24	144	5.67	11.9	26.2
DST 2000 Nm - 32	615 165 543 0	200-2000	147.4-1474	1-1/2	133	5.24	144	5.57	12.0	26.4

DSA - DELTA STATIC TRANSDUCERS ACCESSORIES

MODEL	PART NO.	MODEL	PART NO.	MODEL	PART NO.
3/4" M-1/4" F	615 397 205 0	1/2" M-3/8" F	615 936 111 0	HEX 1/4" M-1/4" F	615 936 118 0
3/4" M-3/8" F	615 397 206 0	1/2" F-3/8" F	615 936 112 0	HEX 1/4" M-3/8" F	615 936 119 0
1" M-1/2" F	615 397 207 0	1/2" M-1/2" F	615 936 113 0	1" F-3/4" F	615 936 126 0
1" 1/4 M-1/2" F	615 397 208 0	1" 1/4 M-3/4" F	615 936 114 0	3/4" F-1/2" F	615 936 130 0
1" 1/4 M-3/4" F	615 397 209 0	1/4" F-3/8" F	615 936 115 0	1" 1/2 F-1" 1/2 F	615 936 131 0
1/4" F-1/4" F	615 397 210 0	1" 1/4 M-1" F	615 936 116 0	1/2" F-1/2" F	615 165 573 0
3/8" F-3/8" F	615 397 211 0	1" F-1" F	615 936 117 0	3/4" F-3/4" F	615 165 576 0
1" M-3/4" F	615 936 110 0				



DJS - Digital Joint Simulator

A wide range of mechanical joint simulators are available to reproduce the joint behavior; installing the joint simulator on a transducer allows you to test a tool in the same real working conditions. Each joint simulator reproduces a specific stiffness as described in its torque/angle characteristics. For each capacity, there are two versions: one reproducing a softer joint and one reproducing a harder joint.



MODEL	PART NUMBER	TORQUE RANGE		SQUARE DRIVE	COLOUR		WEIGHT		
		Nm	lb		INSIDE	OUTSIDE	kg	lb	
DJS for DST 2 Soft	615 165 529 0	2	1.5	1/2	Hex1/4	Yellow	Yellow	0.12	0.26
DJS for DST 2 Hard	615 165 530 0	2	1.5	1/2	Hex 1/4	Yellow	Black	0.12	0.26
DJS for DST 5 Soft	615 165 531 0	5	3.7	1/2	Hex 1/4	Green	Yellow	0.12	0.26
DJS for DST 5 Hard	615 165 571 0	5	3.7	1/2	Hex 1/4	Green	Black	0.12	0.26
DJS for DST 10 Soft	615 165 574 0	10	7.4	3/4	3/8	Red	Yellow	0.64	1.41
DJS for DST 10 Hard	615 165 575 0	10	7.4	3/4	3/8	Red	Black	0.64	1.41
DJS for DST 30 Soft	615 165 577 0	30	22	3/4	3/8	Blue	Yellow	0.65	1.43
DJS for DST 30 Hard	615 165 579 0	30	22	3/4	3/8	Blue	Black	0.65	1.43
DJS for DST 80 Soft	615 165 584 0	80	59	1	1/2	Purple	Yellow	2.50	5.51
DJS for DST 80 Hard	615 165 587 0	80	59	1	1/2	Purple	Black	2.50	5.51
DJS for DST 200 Soft	615 165 588 0	200	147	1	1/2	Grey	Yellow	2.60	5.73
DJS for DST 200 Hard	615 165 589 0	200	147	1	1/2	Grey	Black	2.60	5.73
DJS for DST 500 Soft	615 165 590 0	500	369	1-1/4	3/4	Black	Yellow	5.00	11.0
DJS for DST 500 Hard	615 165 591 0	500	369	1-1/4	3/4	Black	Black	5.00	11.0
DJS for DST 1000	615 165 572 0	1000	737	1-1/4	1			10.3	22.7
DJS for DST 2000	615 165 137 0	2000	1475	1-1/2	1			14.1	28.8

Measurement Unit

Delta 1D / Delta 6D / Delta 7D

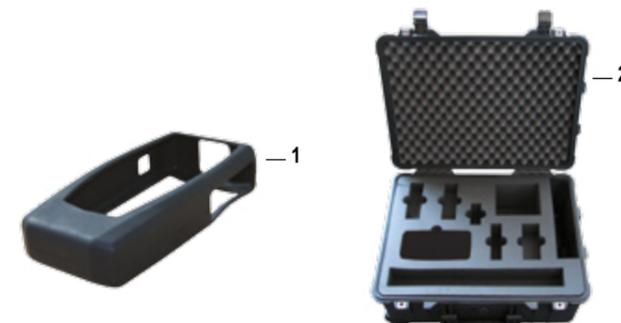


MAIN FEATURES	DELTA 1D	DELTA 6D	DELTA 7D
Transducer			
Connection to DRT4, DRT5, DST	✓	✓	✓
Connection to DWT, DWTA			✓
Connection to CMD and GSE type	✓	✓	✓
	Through optional analog/digital adapter		
On board functionality			
Wrench test	✓	✓	✓
Nutrunner test	✓	✓	✓
Pulse Tool test	✓	✓	✓
Tools	1	1000	1000
Pset		1000	1000
Integrated Statistic	Min, Max Avg	Cm, Cmk	Cm, Cmk
		(ISO, NF and CNOMO standards)	(ISO, NF and CNOMO standards) + SPC
Residual Check Strategy			✓
Production Strategy			✓
Results	1000	5000	5000
Curve	10	10	10
CVI autocalibration		✓	✓
External Barcode connectivity		✓	✓
Embedded Barcode			✓

MODEL	PART NUMBER	POWER REQUIREMENTS		DIMENSIONS					WEIGHT		
		BATTERY LIFE	CHARGER	DEPTH		WIDTH		HEIGHT		kg	lb
Delta 1D	615 935 101 0	16	110/240	45	1.77	95	3.74	192	7.56	0.5	1.1
Delta 6D	615 935 102 0	16	110/240	45	1.77	95	3.74	192	7.56	0.5	1.1
Delta 7D	615 935 147 0	16	110/240	45	1.77	95	3.74	192	7.56	0.5	1.1

ACCESSORIES INCLUDED

	PART NO.
• Delta Battery	615 936 142 0
• Universal Power Supplier	615 936 143 0



OPTIONAL ACCESSORIES

ITEM		PART NO.
1	Rubber Protection	615 936 141 0
	• CMD & ST 4000 Adapter	615 917 671 0
	• CMD 5000 Adapter	615 917 672 0
	• RS232 Adapter	615 917 670 0
	• GSE 2500 Adapter	615 917 674 0
	• GSE 8500T Adapter	615 917 675 0
	• GSE 8500T/A Adapter	615 917 676 0
2	Delta Demo Case (Empty)	615 936 140 0
	• Delta QC Licensed - 1 user	615 927 651 0
	• Delta QC Licensed - 5 user	615 927 652 0
	• Delta QC Advanced 1 user	615 927 653 0
	• Delta QC Advanced 5 user	615 927 654 0

Low Torque Analyzer



■ Embedded Transducer & Battery

TECHNICAL SPECIFICATION

Torque Transducer	Embedded
Torque Accuracy	1% of readings
Tools Testing	Torque Wrench, Nutrunner or Pulse Tools
Statistic	Min. Max, Average, Standard Deviation
Results Storage	1000 + 10 curves with DeltaQC Licenced
Multi-units	N.m, Kg.m, Kg.cm, Oz.in, Lb.in, Lb.ft, N.cm
Display	Red, Green, Blue backlight
Power Supply	Embedded Battery External power supply
Battery Autonomy	Up to 12 hours
Languages	French, English, Spanish, Italian, Deutsch, Portuguese
Software	Free Delta QC Software to export by USB result

Alpha Low Torque Analyzer

MAIN FEATURES

- Alpha D Series is designed to monitor and collect torque check results from screwdrivers, torque wrenches or click wrenches.
- Ideal to tune the tools thanks to real time statistics on color display and high capacity torque results storage.
- Traceability with included software result acquisition with time stamp, including PDF or XLS reports.
- Three models with embedded transducer to cover torque range from 0,1 to 16 Nm. All models are provided with two included joint simulators to test nutrunner according to different joint stiffness condition.



■ Backlight RGB color display with acoustic buzzer

■ Hard & Soft Joint Simulator

MODEL	PART NUMBER
DJS for Alpha_D1 Soft	615 936 120 0
DJS for Alpha_D1 Hard	615 936 121 0
DJS for Alpha_D5 Soft	615 936 122 0
DJS for Alpha_D5 Hard	615 936 123 0
DJS for Alpha_D16 Soft	615 936 124 0
DJS for Alpha_D16 Hard	615 936 125 0
Universal Power Supplier	615 936 143 0

MODEL	PART NUMBER	P. CHARGER	TORQUE RANGE		DEPTH		WIDTH		HEIGHT		WEIGHT	
			Nm	in. - lb	mm	in.	mm	in.	mm	in.	kg	lb
Alpha D1	615 935 140 0	110/240V	0.1 - 1	0.88 - 8.85	106	4.17	180	7.09	70	2.76	0.95	2.1
Alpha D5	615 935 141 0	110/240V	0.5 - 5	4.42 - 44.25	106	4.17	180	7.09	70	2.76	0.95	2.1
Alpha D16	615 935 142 0	110/240V	1.6 - 16	14.1 - 141.6	106	4.17	180	7.09	70	2.76	0.95	2.1

All models are supplied with external power supply, suitable hard and soft joint simulators and Delta QC Software CD-ROM

Digital Rotary Transducers

Torque

TORQUE ROTARY TRANSDUCER:

The Rotary Torque Transducer DRT4 is designed to measure the torque output of any non-impact assembly tool. The transducer is suitable for use with impulse type assembly tools brushes with minimal maintenance requirements.



BENEFITS

- Automatic recognition thanks to internal memory chip storing main data values eliminating any setting mistakes and time losses
- High reliability due to immunity from external noise thanks to digital communication
- Communication to data analyzer not sensitive to the cable length
- Long life durability thanks to industrial design from transducer to housing



FEATURES

- Torque range from 0,2 to 5000 Nm (0.15 to 3685 ft.lb)
- Strain gauges transducer: sensitivity 2mV/V - accuracy +/-0.35% of torque reading
- Built-in smart chip memory with calibration features: type of transducer - sensitivity nominal load - serial number

MODEL	PART NUMBER	TORQUE RANGE		OUTPUT
		Nm	ft.lb	
DRT4				
DRT 4 H 2	615 165 209 0	0.2 - 2	0.15 - 1.5	Hex 1/4"
DRT 4 H 5	615 165 210 0	0.5 - 5	0.37 - 3.7	Hex 1/4"
DRT 4 H 20	615 165 211 0	2 - 20	1.47 - 14.7	Hex 1/4"
DRT 4 Sq 20	615 165 212 0	2 - 20	1.47 - 14.7	Sq 1/4"
DRT 4 Sq 25	615 165 213 0	2.5 - 25	1.84 - 18.4	Sq 3/8"
DRT 4 Sq 75	615 165 214 0	7.5 - 75	5.53 - 55.3	Sq 3/8"
DRT 4 Sq 180	615 165 215 0	18 - 180	13.2 - 132	Sq 1/2"
DRT 4 Sq 500	615 165 216 0	50 - 500	36.8 - 368	Sq 3/4"
DRT 4 Sq 1400	615 165 217 0	140 - 1400	103.2 - 1032	Sq 1"
DRT 4 Sq 3000	615 165 536 0	300 - 3000	221.1 - 2211	Sq 1-1/2"
DRT 4 Sq 5000	615 165 540 0	500 - 5000	368.5 - 3685	Sq 1-1/2"

Digital Rotary Transducers & Accessories

Torque & Angle

A version DRT5 is available with an angle measurement encoder which allows with a DELTA 6D or DELTA 7D, the measurement of the angle of rotation in addition to torque.



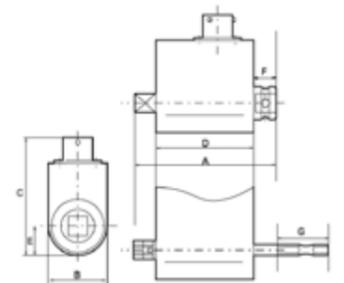
FEATURES

- Torque range from 0.2 to 1400 Nm (0.15 to 1032 ft.lb)
- Angle counting system 0.35° resolution
- Strain gauges transducer: - sensitivity 2mV/V - accuracy +/-0.35% of torque reading
- Built-in smart chip memory with calibration features: type of transducer - sensitivity nominal load - serial number

MODEL	PART NUMBER	TORQUE RANGE		OUTPUT
		Nm	ft lb	
DRT5				
DRT 5 H 2	615 165 218 0	0.2 - 2	0.15 - 1.5	Hex 1/4"
DRT 5 H 5	615 165 219 0	0.5 - 5	0.37 - 3.7	Hex 1/4"
DRT 5 H 20	615 165 220 0	2 - 20	1.47 - 14.7	Hex 1/4"
DRT 5 Sq 20	615 165 221 0	2 - 20	1.47 - 14.7	Sq 1/4"
DRT 5 Sq 25	615 165 222 0	2.5 - 25	1.84 - 18.4	Sq 3/8"
DRT 5 Sq 75	615 165 223 0	7.5 - 75	5.53 - 55.3	Sq 3/8"
DRT 5 Sq 180	615 165 224 0	18 - 180	13.2 - 132	Sq 1/2"
DRT 5 Sq 500	615 165 225 0	50 - 500	36.8 - 368	Sq 3/4"
DRT 5 Sq 1400	615 165 226 0	140 - 1400	103.2 - 1032	Sq 1"
DRT 5 Sq 5000	615 165 780 0	500 - 5000	368.5 - 3685	Sq 1-1/2"

SAME SIZE FOR TORQUE OR TORQUE & ANGLE TRANSDUCER

OUTPUT	A		B		C		E		H		F		G	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
Hex 1/4"	116	4.56	31	1.22	71.9	2.83	56	2.2	15.5	0.61	39	1.53	25.5	1
Sq 1/4"	71.5	2.81	31	1.22	71.9	2.83	56	2.2	15.5	0.61	6	0.24		
Sq 3/8"	77	3.03	31	1.22	71.9	2.83	56	2.2	15.5	0.61	8	0.31		
Sq 1/2"	87	3.42	42	1.65	82.9	3.26	58	2.28	21	0.83	12	0.47		
Sq 3/4"	106	4.17	52	2.05	92.9	3.66	66	2.60	26	1.02	21	0.83		
Sq 1"	125	4.92	65	2.56	104.9	4.13	73	2.87	32.5	1.28	29	1.14		
Sq 1-1/2"	165	6.5	106	4.17	148.5	5.85	88	3.46	53	2.09	35.2	1.39		



TRANSDUCER CABLES

CABLE TYPE	DATA COLLECTOR TYPE	FOR TRANSDUCER	LENGTH	PART NUMBER
Digital 10 pins	All types of Delta	All digital transducers	2m (78.7") long	615 917 430 0
Digital 10 pins	All types of Delta	All digital transducers	2m (78.7") long, spiral	615 917 432 0
Digital 10 pins	All types of Delta	All digital transducers	5m (196.8") long	615 917 433 0

More Than Productivity



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English
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