

Desoutter



Industrial Tools

*Solutions dedicated
to the Aerospace
industry*

More Than Productivity



WING

P. 8

TAIL

P. 12

MAINTENANCE, MRO

P. 16



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

Desoutter





COCKPIT / INTERIOR

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FUSELAGE

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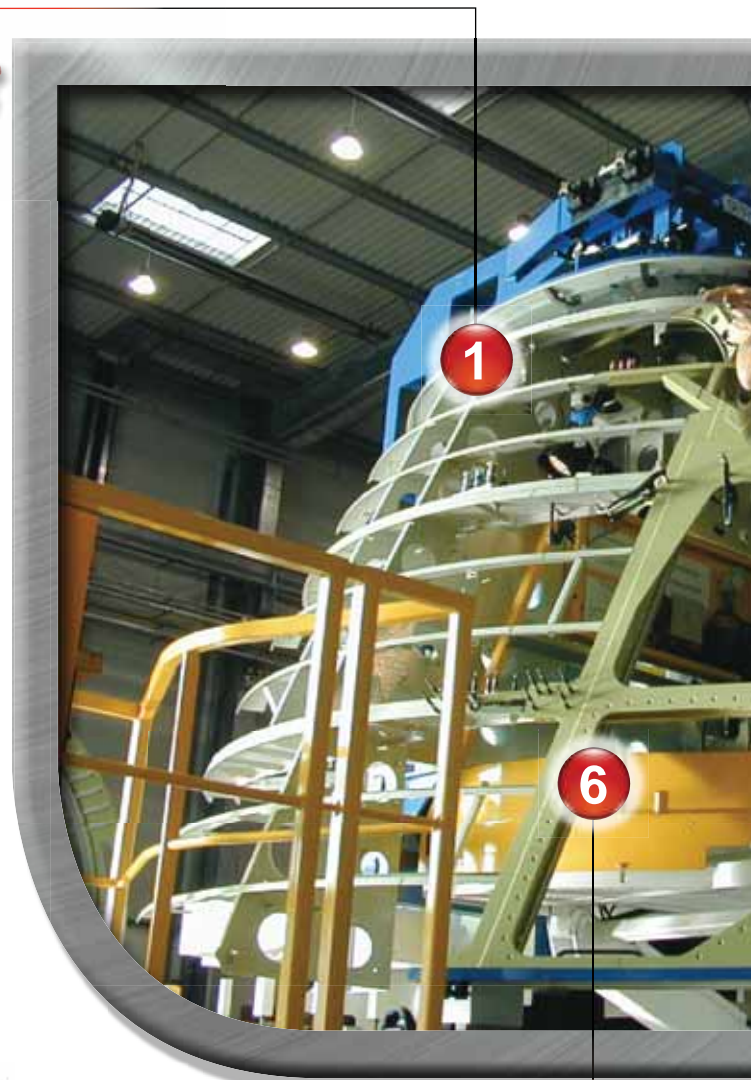
Electric Tools

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1

RIVET HAMMERS

Wide range of hammer suitable to all applications
Recoilless series for more operator's comfort
Progressive trigger for a better operation



Nutrunner

A wide range of torques and speeds specific to aerospace fasteners

See page 60

6

2

Squeezer

Alligator Jaws / C-Yokes
Single and tandem cylinders

See page 42

3

Pistol drill

Best power-to-weight ratio
Can be used with feed regulator

See page 30



2

3

4

5

4

E-LIT battery tool

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

See page 68



5

Twist Lock

Simple design for straight hole drilling operations.
Optional pneumatic clocker with best ergonomics

See page 39





1

E-LIT PISTOL

Compact, light and the possibility to change the battery position is the best way to work in a confined area



6

Pistol drill

Best power-to-weight ratio
Wide range of speed and chuck

See page 30

2

Quality control

The DWT digital wrenches range offer high accuracy to your tightening applications

See page 79



3

Multi-drills

Light and low noise drills suitable for many drilling operations. Can be used with a keyed or keyless chuck

See page 28



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 36

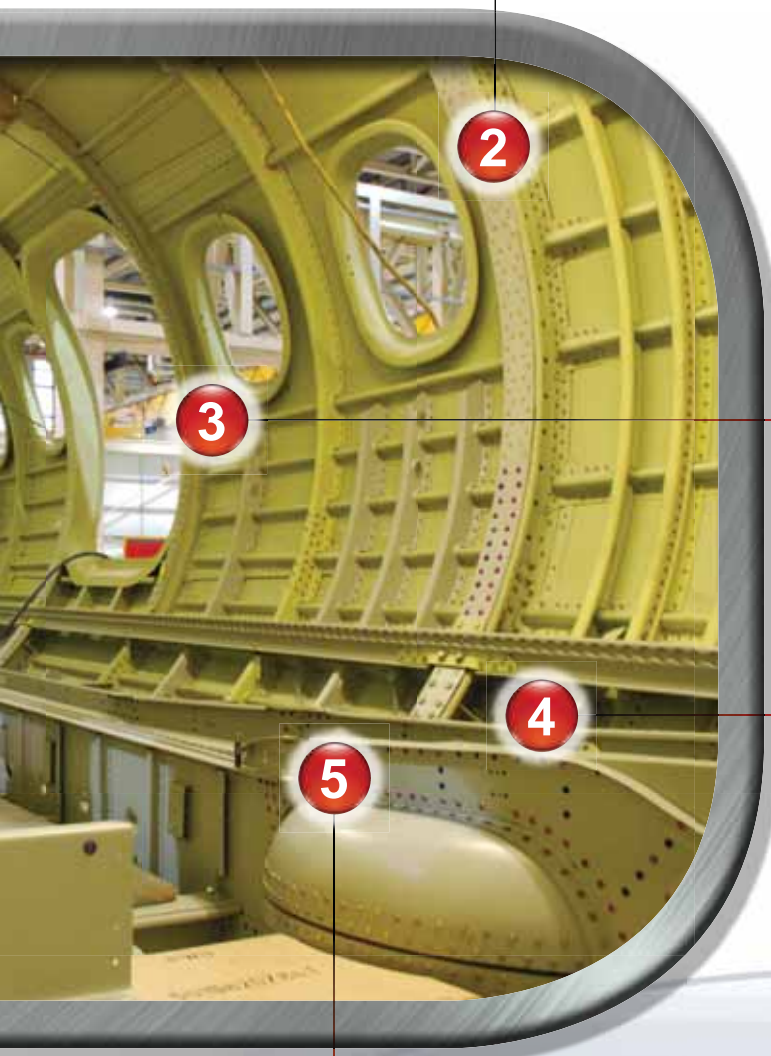


5

Squeezer

Alligator Jaws / C-Yokes
Single and tandem cylinders

See page 42



1

DUST EXTRACTION

Dedicated to composite dust. Most integrated and flexible solution for better operating
Ergonomic solution



Multi-Drills

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

See page 28

6

2

Nutrunner

Full range of torques and speeds designed to meet the needs of all aerospace fasteners

See page 60



3

E-LIT battery tool

Best productivity with low speed and long life battery, fast charging, no memory effect thanks to Li-ion technology

See page 68



2

3

4

5

4

B-FLEX battery tool

Full advanced transducerized battery tool. Highly accurate torque measurement. Screen + keypad for the best "ease of use" 6 preset fastening strategies

See page 70



5

ST Custom

Many possibilities on customization due to high level of flexibility and modularity of SETI-TEC design

See page 36



1

NUTRUNNERS

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

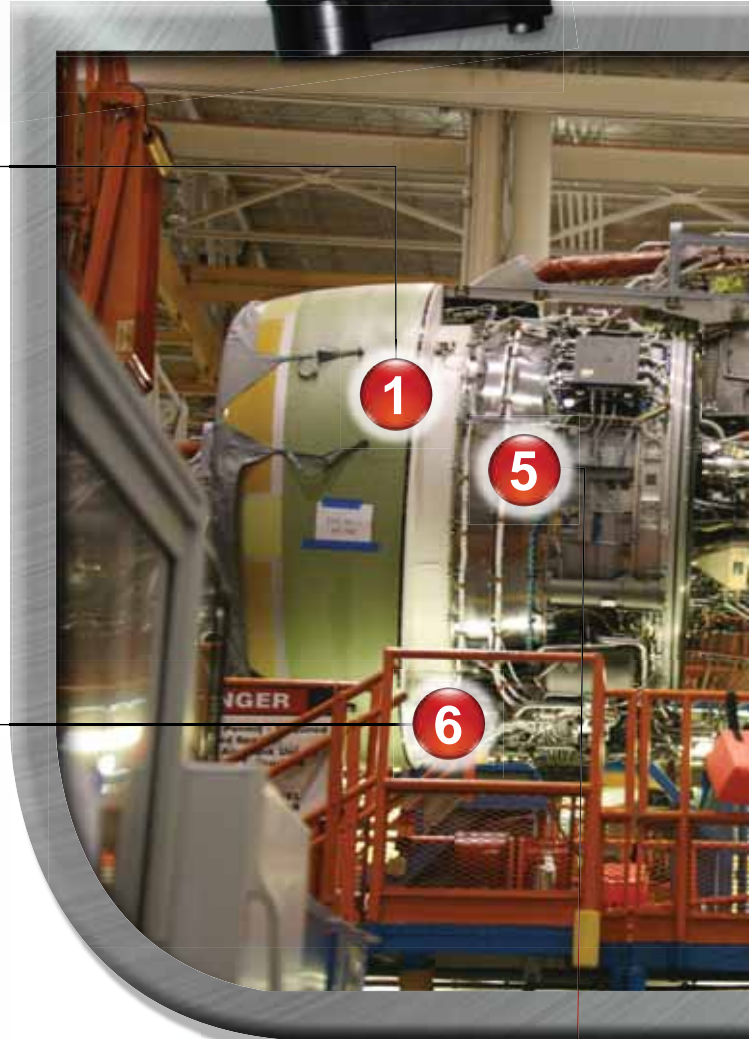


CVI3 Range

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

See pages 72 to 75

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 68

5

2

Pistol drill

Heavy duty drills for hard material drilling operations

See page 30



3



Electric nutrunner

Offset tube nut
Transducerized tightening tools

See page 72

3

4

4



Sander

A fingertip machine control for tight areas

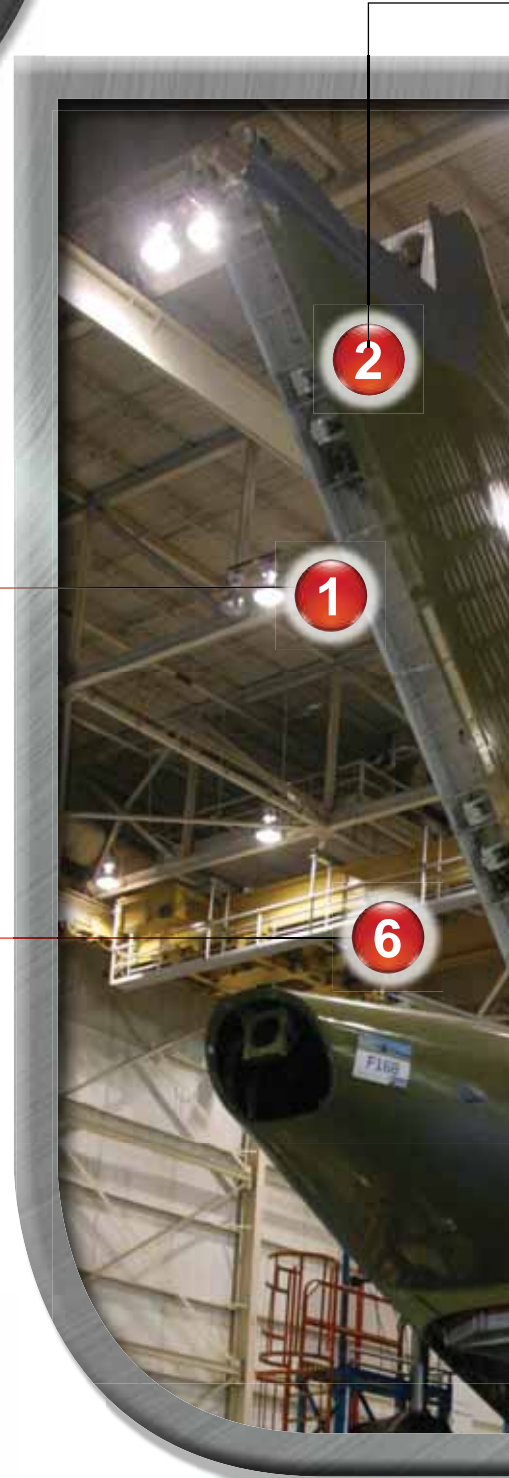
See page 52



1

SQUEEZERS

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



E-LIT battery tool

Best ergonomics ever for this type of tool.
Perfectly balanced with powerful technology.
Upgrade productivity and remain quality.

See page 68

6



2



Concentric collet

Quick and easy clamping on jigs. Able to take skin reference for countersink drilling. Simplified template in comparison to twist lock system

See page 38

3



CVI3 range

User-friendly HMI for operator guidance. Error proofing

See pages 72 to 75

3

4

4

Multi-drills

Light and low noise drills suitable for many drilling operations. Can be used with a keyed or keyless chuck

See page 28



5

5

Rivet shaver

Accurate operational rivet shaver. Micrometric stop

See page 33

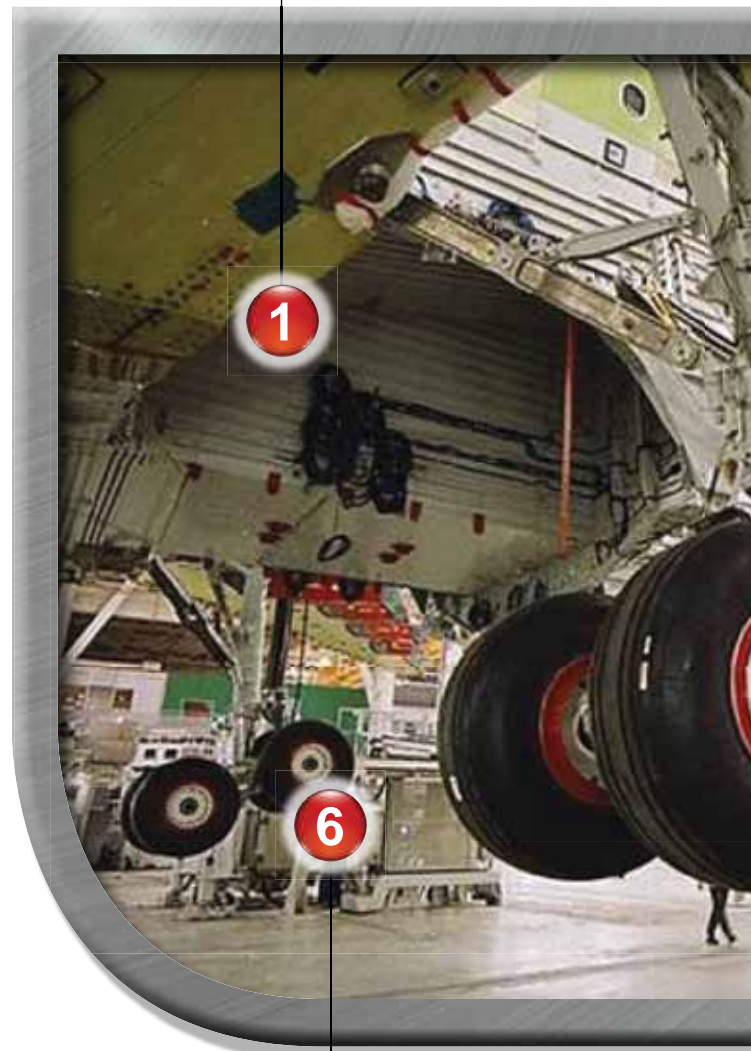




1

CVI3 RANGE

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



1

6

6



Nutrunner + Crowfoot

Low speed and customized
 crowfoot specifications

See page 60

2

Die grinder

Large choice of speeds and collets to fit various ASC applications



See page 47

3



Orbital sander

High power to weight ratio for maximum efficiency and productivity

See page 56

4



Sander

A fingertip machine control for tight areas

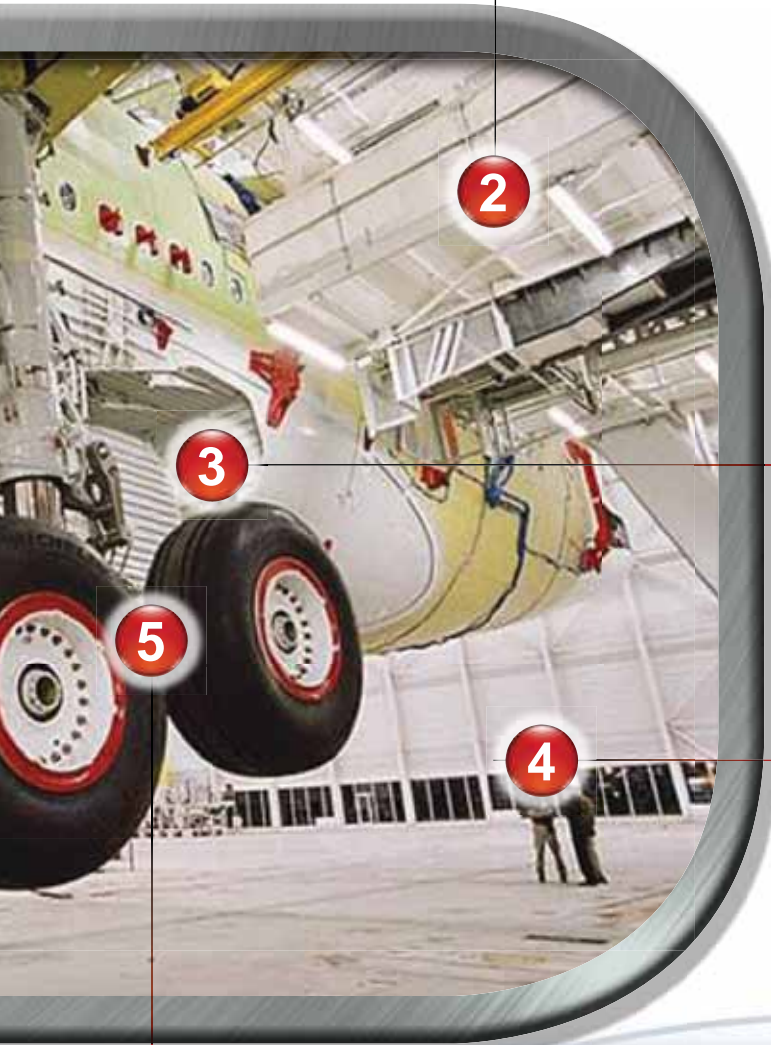
See page 52

5

Wheel assembly

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

Contact Desoutter





1

SANDERS

Unequalled power-to-weight ratio for various applications



Nutrunner + Crowfoot

Low speed and customized crowfoot specifications

See page 58

6



Squeezer

Alligator Jaws / C-Yokes
Single and tandem cylinders

See page 42

5





2

Multi-drills

Light and low noise drills suitable for many drilling applications

See page 28

3



Wheel and Brake assembly

Fully Automatic Transducerized twin spindles system HMI control

Contact Desoutter

4

Riveting hammer

Recoilless series for more operator comfort

See page 40



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



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 68

6

Cockpit / Interior

2



Pistol drill

Power and speed dedicated to your needs

See page 30



3

E-LIT battery tool

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

See page 68

3

2

4

5

4



Pistol screwdriver

Accurate clutch for high quality tightening

See page 58

5

Nutranner

Low speed and customized crowfoot specifications

See page 60





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



Torque reaction arm

Any customized solution can be designed and adapted to your needs

See page 71

5

Central Wing Box

2

Pistol drill

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

See page 30



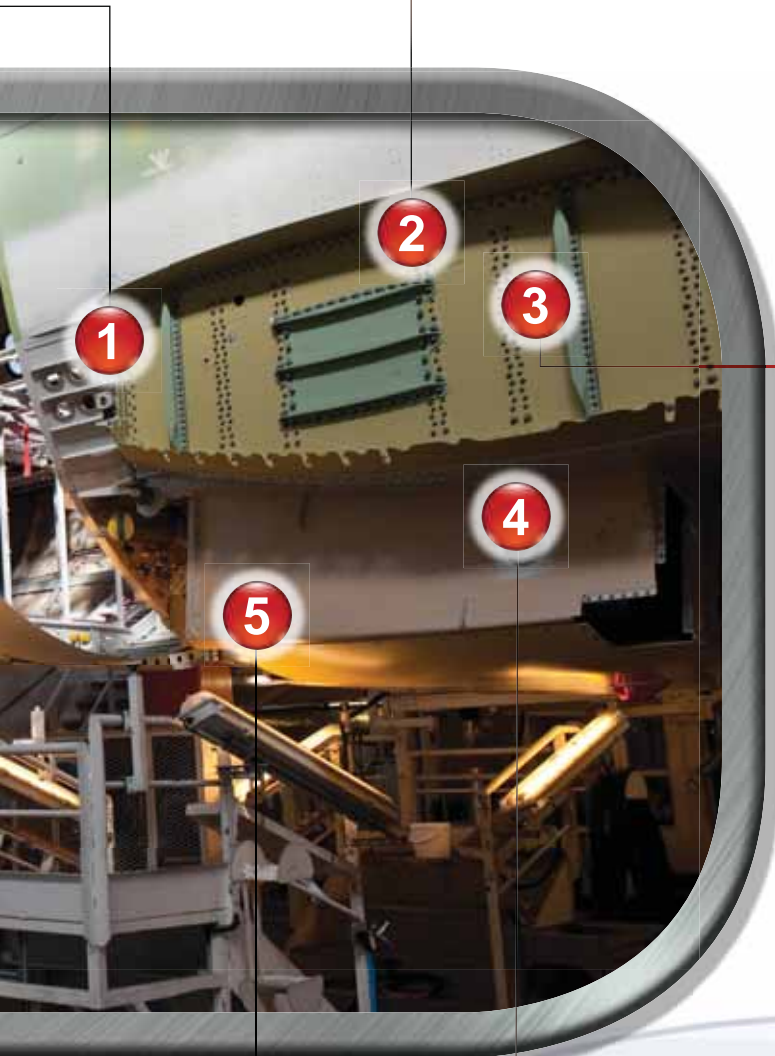
3



Sander

A fingertip machine control
for tight/restricted areas

See page 52



4

CVI3 range

User-friendly HMI for operator
guidance. Error proofing

See pages 72 to 75





Drill Selection Guide

How to select your tool: ① Select material - ② Select hole size - ③ Define speed

①

FREE SPEED	TITANIUM	STAINLESS STEEL	HARD CAST IRON, MEDIUM HARD STEEL	SOFT CAST IRON, MILD STEEL	HARD PLASTIC	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 (in.)								

ANGLE DRILLS

DR300-T5/S5 (30°, 45°, 90°, 360° COMPACT HEAD)

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				3.0 (1/8")	5.0 (3/16")	5.0 (3/16")	5.0 (3/16")	
2000		3.0 (1/8")	4.0 (5/32")	5.0 (3/16")				
1000		4.0 (5/32")	5.0 (3/16")					

DR300-T6/S6 (90° & 360° STANDARD HEAD)

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")	
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")					

PISTOL GRIP

DR350 - ø 8-10mm (5/16"-3/8") cap.

20000							4.0 (5/32")	2.0 (5/64")
5500	③					4.0 (5/32")	5.0 (3/16") ②	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")	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 - ø 8-13mm (5/16"-1/2") cap.

18500							4.0 (5/32")	2.0 (5/64")
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")	10.0 (13/32")
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 (1/2")				
400	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")					

DR750 - ø 8-13mm (5/16"-1/2") cap.

20000						2.0 (5/64")	2.0 (5/64")	
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 (1-3/16")
750	3.0 (1/8")	7.0 (9/32")	8.0 (5/16")	15.0 (19/32")	19.0 (3/4")	30.0 (1-3/16")		
400	6.0 (1/4")	8.0 (5/16")	10.0 (13/32")					

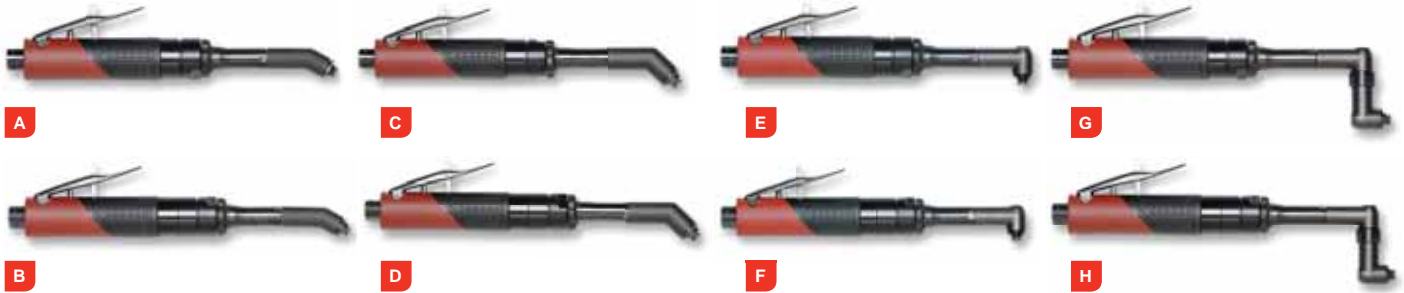
STRAIGHT DRILL

DR300

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")	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")						
550	6.0 (1/4")	8.0 (5/16")						

Angle Drills

Compact 30°, 45°, 90° and 360° Angle Head / Collet Spindle



PIC REF	MODEL	PART NUMBER	FREE SPEED		MOTOR POWER		WEIGHT		LENGTH		AIR FLOW		AIR INLET	HOSE INT.	
			rpm	W	hp	kg	lb	mm	in.	l/s	cfm	in.	mm	in.	
30° - COLLET SPINDLE - 5mm (3/16") drilling capacity															
A	DR300-T5500-T5-30	205 147 539 4	5500	300	0.4	0.62	1.36	268	10.55	9.5	20	1/4	6	1/4	
A	DR300-T4500-T5-30	205 147 537 4	4500	300	0.4	0.62	1.36	268	10.55	9.5	20	1/4	6	1/4	
A	DR300-T3000-T5-30	205 147 535 4	3000	300	0.4	0.62	1.36	268	10.55	9.5	20	1/4	6	1/4	
A	DR300-T2000-T5-30	205 147 533 4	2000	300	0.4	0.62	1.36	268	10.55	9.5	20	1/4	6	1/4	
B	DR300-T1000-T5-30	205 147 531 4	1000	300	0.4	0.70	1.54	285	11.22	9.5	20	1/4	6	1/4	
45° - COLLET SPINDLE - 5mm (3/16") drilling capacity															
C	DR300-T5500-T5-45	205 147 580 4	5500	300	0.4	0.68	1.36	277	10.91	9.5	20	1/4	6	1/4	
C	DR300-T4500-T5-45	205 147 577 4	4500	300	0.4	0.68	1.36	277	10.91	9.5	20	1/4	6	1/4	
C	DR300-T3000-T5-45	205 147 574 4	3000	300	0.4	0.68	1.36	277	10.91	9.5	20	1/4	6	1/4	
C	DR300-T2000-T5-45	205 147 571 4	2000	300	0.4	0.68	1.36	277	10.91	9.5	20	1/4	6	1/4	
D	DR300-T1000-T5-45	205 147 568 4	1000	300	0.4	0.76	1.54	294	11.57	9.5	20	1/4	6	1/4	
D	DR300-T550-T5-45	205 147 565 4	550	300	0.4	0.76	1.54	294	11.57	9.5	20	1/4	6	1/4	
90° - COLLET SPINDLE - 5mm (3/16") drilling capacity															
E	DR300-T5500-T5-90	205 147 551 4	5500	300	0.4	0.62	1.36	256	10.08	9.5	20	1/4	6	1/4	
E	DR300-T4500-T5-90	205 147 549 4	4500	300	0.4	0.62	1.36	256	10.08	9.5	20	1/4	6	1/4	
E	DR300-T3000-T5-90	205 147 547 4	3000	300	0.4	0.62	1.36	256	10.08	9.5	20	1/4	6	1/4	
E	DR300-T2000-T5-90	205 147 545 4	2000	300	0.4	0.62	1.36	256	10.08	9.5	20	1/4	6	1/4	
F	DR300-T1000-T5-90	205 147 543 4	1000	300	0.4	0.70	1.54	273	10.75	9.5	20	1/4	6	1/4	
360° - COLLET SPINDLE - 5mm (3/16") drilling capacity															
G	DR300-T5500-T5-360	205 147 563 4	5500	300	0.4	0.70	1.54	266	10.47	9.5	20	1/4	6	1/4	
G	DR300-T4500-T5-360	205 147 561 4	4500	300	0.4	0.70	1.54	266	10.47	9.5	20	1/4	6	1/4	
G	DR300-T3000-T5-360	205 147 559 4	3000	300	0.4	0.70	1.54	266	10.47	9.5	20	1/4	6	1/4	
G	DR300-T2000-T5-360	205 147 557 4	2000	300	0.4	0.70	1.54	266	10.47	9.5	20	1/4	6	1/4	
H	DR300-T1000-T5-360	205 147 555 4	1000	300	0.4	0.78	1.72	283	11.14	9.5	20	1/4	6	1/4	

Accessories

ACCESSORIES INCLUDED

ITEM	PART NUMBER	ITEM	PART NUMBER
1 Safety lever	205 050 288 3	Exhaust hose with clamp ring	205 050 746 3
• ø 4.8mm (3/16") capacity collet	2552	• Flat wrenches 8-9.5mm	268263

OPTIONAL ACCESSORIES

COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER
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

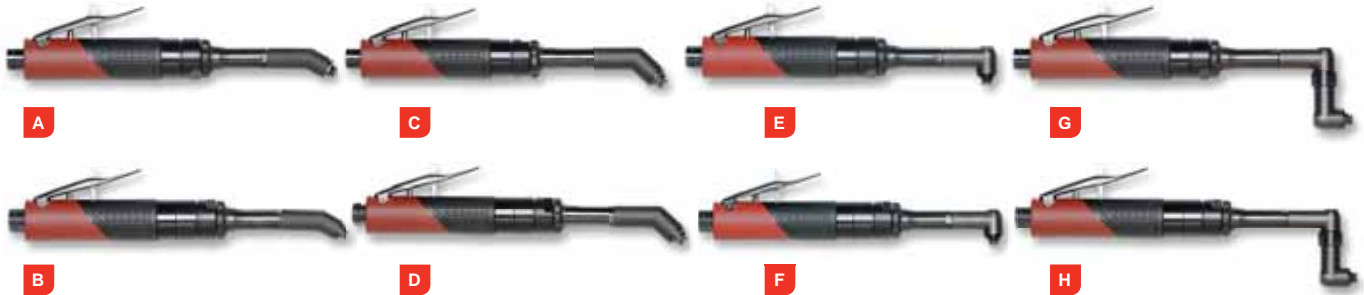
ITEM	PART NUMBER
2 Short lever	205 050 299 3
3 Start button with recess plugs	205 050 454 3
4 Side handle	205 049 446 3
• Dust extraction kit	see page 32

Each collet covers 0.1mm capacity.

Example:
collet P/N 2392 covers from 3.1 to 3.2mm

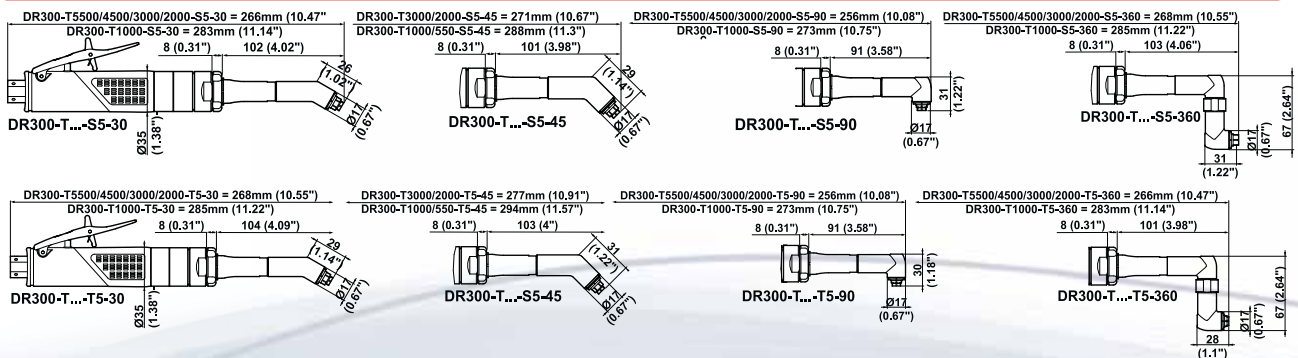
Angle Drills

Compact 30°, 45°, 90° and 360° Angle Head / 1/4" x 28 Spindle



PIC REF	MODEL	PART NUMBER	FREE SPEED	MOTOR POWER	WEIGHT		LENGTH		AIR FLOW		AIR INLET		HOSE INT.	
			rpm	W	hp	kg	lb	mm	in.	l/s	cfm	in.	mm	in.
30° - 1/4" x 28 SPINDLE - 5mm (3/16") drilling capacity														
A	DR300-T5500-S5-30	205 147 540 4	5500	300	0.4	0.62	1.36	266	10.47	9.5	20	1/4	6	1/4
A	DR300-T4500-S5-30	205 147 538 4	4500	300	0.4	0.62	1.36	266	10.47	9.5	20	1/4	6	1/4
A	DR300-T3000-S5-30	205 147 536 4	3000	300	0.4	0.62	1.36	266	10.47	9.5	20	1/4	6	1/4
A	DR300-T2000-S5-30	205 147 534 4	2000	300	0.4	0.62	1.36	266	10.47	9.5	20	1/4	6	1/4
B	DR300-T1000-S5-30	205 147 532 4	1000	300	0.4	0.70	1.54	283	11.14	9.5	20	1/4	6	1/4
45° - 1/4" x 28 SPINDLE - 5mm (3/16") drilling capacity														
C	DR300-T5500-S5-45	205 147 581 4	5500	300	0.4	0.68	1.36	271	10.67	9.5	20	1/4	6	1/4
C	DR300-T4500-S5-45	205 147 578 4	4500	300	0.4	0.68	1.36	271	10.67	9.5	20	1/4	6	1/4
C	DR300-T3000-S5-45	205 147 575 4	3000	300	0.4	0.68	1.36	271	10.67	9.5	20	1/4	6	1/4
C	DR300-T2000-S5-45	205 147 572 4	2000	300	0.4	0.68	1.36	271	10.67	9.5	20	1/4	6	1/4
D	DR300-T1000-S5-45	205 147 569 4	1000	300	0.4	0.76	1.54	283	11.14	9.5	20	1/4	6	1/4
D	DR300-T550-S5-45	205 147 566 4	550	300	0.4	0.76	1.54	283	11.14	9.5	20	1/4	6	1/4
90° - 1/4" x 28 SPINDLE - 5mm (3/16") drilling capacity														
E	DR300-T5500-S5-90	205 147 552 4	5500	300	0.4	0.62	1.36	256	10.08	9.5	20	1/4	6	1/4
E	DR300-T4500-S5-90	205 147 550 4	4500	300	0.4	0.62	1.36	256	10.08	9.5	20	1/4	6	1/4
E	DR300-T3000-S5-90	205 147 548 4	3000	300	0.4	0.62	1.36	256	10.08	9.5	20	1/4	6	1/4
E	DR300-T2000-S5-90	205 147 546 4	2000	300	0.4	0.62	1.36	256	10.08	9.5	20	1/4	6	1/4
F	DR300-T1000-S5-90	205 147 544 4	1000	300	0.4	0.70	1.54	273	10.75	9.5	20	1/4	6	1/4
360° - 1/4" x 28 SPINDLE - 5mm (3/16") drilling capacity														
G	DR300-T5500-S5-360	205 147 564 4	5500	300	0.4	0.70	1.54	268	10.55	9.5	20	1/4	6	1/4
G	DR300-T4500-S5-360	205 147 562 4	4500	300	0.4	0.70	1.54	268	10.55	9.5	20	1/4	6	1/4
G	DR300-T3000-S5-360	205 147 560 4	3000	300	0.4	0.70	1.54	268	10.55	9.5	20	1/4	6	1/4
G	DR300-T2000-S5-360	205 147 558 4	2000	300	0.4	0.70	1.54	268	10.55	9.5	20	1/4	6	1/4
H	DR300-T1000-S5-360	205 147 556 4	1000	300	0.4	0.78	1.72	285	11.22	9.5	20	1/4	6	1/4

Dimensions



Accessories

ACCESSORIES INCLUDED

ITEM	PART NUMBER
1 Safety lever	205 050 288 3
• Exhaust hose with clamp ring	205 050 746 3
• Flat wrenches 8-9.5mm	268263

OPTIONAL ACCESSORIES

ITEM	PART NUMBER
2 Short lever	205 050 299 3
3 Start button with recess plugs	205 050 454 3
4 Side handle	205 049 446 3
• Dust extraction kit	see page 32

Angle Drills


Standard 90° and 360° Angle Head / Collet spindle



PIC REF	MODEL	PART NUMBER	FREE SPEED	MOTOR POWER		WEIGHT		LENGTH		AIR FLOW		AIR INLET	HOSE INT. ø	
			rpm	W	hp	kg	lb	mm	in.	l/s	cfm	in.	mm	in.
90° - COLLET SPINDLE - 6.4mm (1/4") drilling capacity														
A	DR300-T5500-T6-90	205 147 598 4	5500	300	0.4	0.68	1.50	259	10.2	9.5	20	1/4	6	1/4
A	DR300-T4500-T6-90	205 147 595 4	4500	300	0.4	0.68	1.50	259	10.2	9.5	20	1/4	6	1/4
A	DR300-T3000-T6-90	205 147 592 4	3000	300	0.4	0.68	1.50	259	10.2	9.5	20	1/4	6	1/4
A	DR300-T2000-T6-90	205 147 589 4	2000	300	0.4	0.68	1.50	259	10.2	9.5	20	1/4	6	1/4
B	DR300-T1000-T6-90	205 147 586 4	1000	300	0.4	0.76	1.67	276	10.87	9.5	20	1/4	6	1/4
B	DR300-T550-T6-90	205 147 583 4	550	300	0.4	0.76	1.67	276	10.87	9.5	20	1/4	6	1/4
360° - COLLET SPINDLE - 6.4mm (1/4") drilling capacity														
C	DR300-T5500-T6-360	205 147 616 4	5500	300	0.4	0.77	1.50	284	11.18	9.5	20	1/4	6	1/4
C	DR300-T4500-T6-360	205 147 613 4	4500	300	0.4	0.77	1.50	284	11.18	9.5	20	1/4	6	1/4
C	DR300-T3000-T6-360	205 147 610 4	3000	300	0.4	0.77	1.50	284	11.18	9.5	20	1/4	6	1/4
C	DR300-T2000-T6-360	205 147 607 4	2000	300	0.4	0.77	1.50	284	11.18	9.5	20	1/4	6	1/4
D	DR300-T1000-T6-360	205 147 604 4	1000	300	0.4	0.85	1.67	301	11.85	9.5	20	1/4	6	1/4
D	DR300-T550-T6-360	205 147 601 4	550	300	0.4	0.85	1.67	301	11.85	9.5	20	1/4	6	1/4

Accessories




ACCESSORIES INCLUDED

ITEM	PART NUMBER	ITEM	PART NUMBER
1  • ø 6.4mm (1/4") capacity collet	19182	• Exhaust hose with clamp ring	205 050 746 3
1 Safety lever	205 050 288 3	• Flat wrenches 10mm	82623

OPTIONAL ACCESSORIES



COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER
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		

ITEM	PART NUMBER
2  Short lever	205 050 299 3
3  Start button with recess plugs	205 050 454 3
4  Side handle	205 049 446 3
• Dust extraction kit	see page 32

Each collet covers 0.2mm capacity.

Example:
collet P/N 19092 covers from 4.6 to 4.8mm

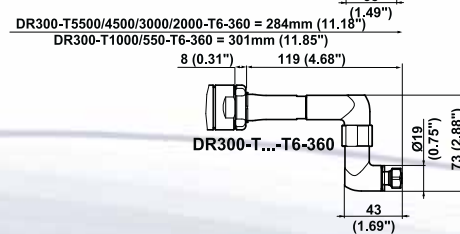
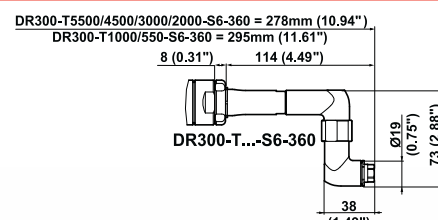
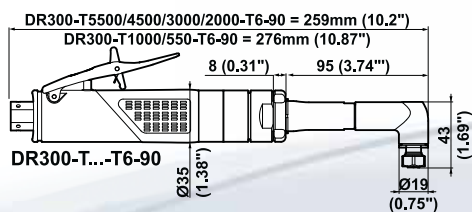
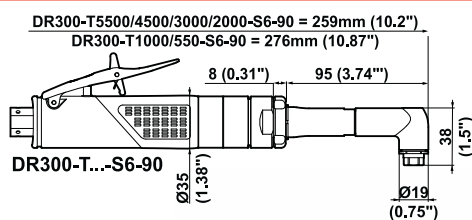
Angle Drills

Standard 90° and 360° Angle Head / 1/4" x 28 Spindle



PIC REF	MODEL	PART NUMBER	FREE SPEED	MOTOR POWER	WEIGHT	LENGTH	AIR FLOW	AIR INLET	HOSE INT. Ø
			rpm	W hp	kg lb	mm in.	l/s cfm	in.	mm in.
90° - 1/4" x 28 SPINDLE - 6.4mm (1/4") drilling capacity									
A	DR300-T5500-S6-90	205 147 599 4	5500	300 0.4	0.68 1.50	259 10.2	9.5 20	1/4	6 1/4
A	DR300-T4500-S6-90	205 147 596 4	4500	300 0.4	0.68 1.50	259 10.2	9.5 20	1/4	6 1/4
A	DR300-T3000-S6-90	205 147 593 4	3000	300 0.4	0.68 1.50	259 10.2	9.5 20	1/4	6 1/4
A	DR300-T2000-S6-90	205 147 590 4	2000	300 0.4	0.68 1.50	259 10.2	9.5 20	1/4	6 1/4
B	DR300-T1000-S6-90	205 147 587 4	1000	300 0.4	0.76 1.67	276 10.9	9.5 20	1/4	6 1/4
B	DR300-T550-S6-90	205 147 584 4	550	300 0.4	0.76 1.67	276 10.9	9.5 20	1/4	6 1/4
360° - 1/4" x 28 SPINDLE - 6.4mm (1/4") drilling capacity									
C	DR300-T5500-S6-360	205 147 617 4	5500	300 0.4	0.77 1.69	278 10.94	9.5 20	1/4	6 1/4
C	DR300-T4500-S6-360	205 147 614 4	4500	300 0.4	0.77 1.69	278 10.94	9.5 20	1/4	6 1/4
C	DR300-T3000-S6-360	205 147 611 4	3000	300 0.4	0.77 1.69	278 10.94	9.5 20	1/4	6 1/4
C	DR300-T2000-S6-360	205 147 608 4	2000	300 0.4	0.77 1.69	278 10.94	9.5 20	1/4	6 1/4
D	DR300-T1000-S6-360	205 147 605 4	1000	300 0.4	0.85 1.87	295 11.61	9.5 20	1/4	6 1/4
D	DR300-T550-S6-360	205 147 602 4	550	300 0.4	0.85 1.87	295 11.61	9.5 20	1/4	6 1/4

Dimensions



Accessories

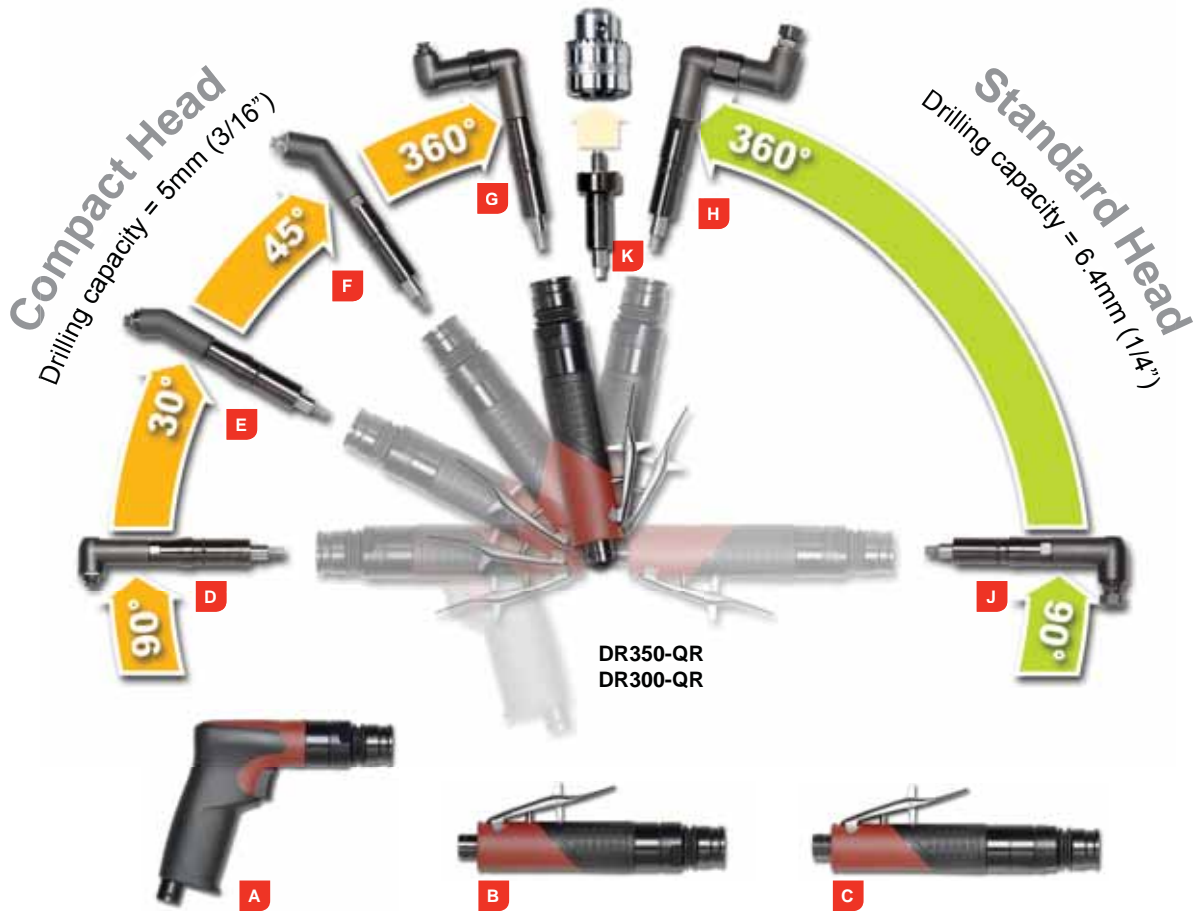
ACCESSORIES INCLUDED

ITEM	PART NUMBER
1 Safety lever	205 050 288 3
• Exhaust hose with clamp ring	205 050 746 3
• Flat wrenches 10mm	82623

OPTIONAL ACCESSORIES

ITEM	PART NUMBER
2 Short lever	205 050 299 3
3 Start button with recess plugs	205 050 454 3
4 Side handle	205 049 446 3
• Dust extraction kit	see page 32

Multi-Drills



PIC REF	MODEL	PART NUMBER	FREE SPEED	MOTOR POWER	WEIGHT	LENGTH	AIR FLOW	AIR INLET	HOSE INT.
			rpm	W hp	kg lb	mm in.	l/s cfm	in.	mm in.
MULTI-DRILLS - PISTOL									
A	DR350-P5500-QR	205 147 984 4	5500	350 0.5	0.50 1.10	169 6.65	9.5 20	1/4	6 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	6 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	6 1/4
Other speed on request (550, 2000 & 4500 rpm)									
MULTI-DRILLS - STRAIGHT									
B	DR300-T5500-QR	205 147 527 4	5500	300 0.4	0.50 1.10	186 7.32	9.5 20	1/4	6 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	6 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	6 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	6 1/4
C	DR300-T1000-QR	205 147 523 4	1000	300 0.4	0.58 1.27	203 7.99	9.5 20	1/4	6 1/4
C	DR300-T550-QR	205 147 522 4	550	300 0.4	0.58 1.27	203 7.99	9.5 20	1/4	6 1/4

Accessories

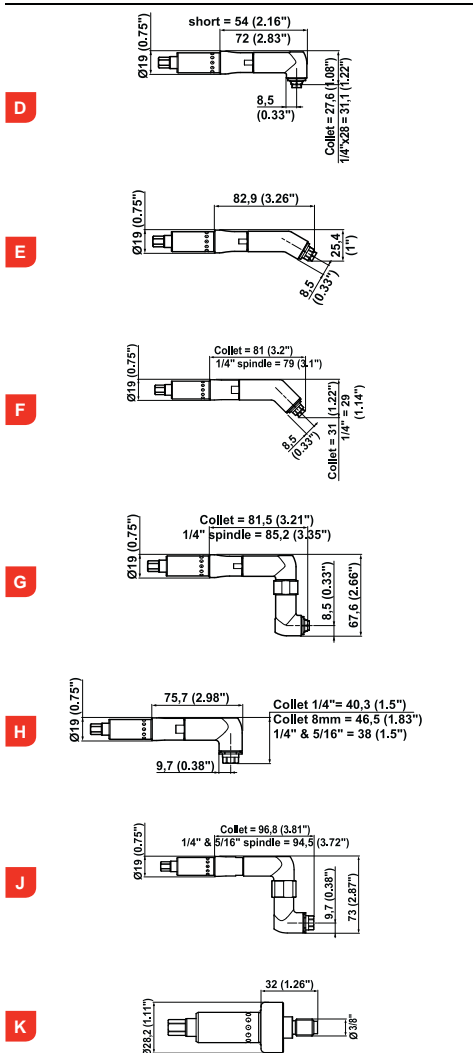
ACCESSORIES INCLUDED

ITEM	PART NUMBER
DR300	
1 Short lever	205 050 299 3
2 Safety lever	205 050 288 3
Angle heads D, E, F & G	
• Collet \varnothing 4.8mm (3/16") capacity	2552
• Flat wrenches 8-9.5mm	268263
Angle heads H & J	
• Collet \varnothing 6.4mm (1/4") capacity	19182
• Flat wrenches 10mm	82623

OPTIONAL ACCESSORIES

ITEM	PART NUMBER
3 Start button with recess plugs	205 050 454 3
4 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
• Dust extraction kit	see page 32

Multi-Drills



PIC REF	DESIGNATION	PART NUMBER	LENGTH		COLLET MAX. CAPACITY		WEIGHT	
			mm	in.	mm	in.	kg	lb
COMPACT ANGLE HEADS								
D	Short Compact 90° angle head Collet spindle	205 053 981 3	54.0	2.13	5.0	3/16	0.15	0.33
D	Compact 90° angle head Collet spindle	205 050 331 3	72.0	2.83	5.0	3/16	0.17	0.37
D	Compact 90° angle head 1/4" x 28 spindle	205 050 332 3	72.0	2.83			0.17	0.37
E	Compact 30° angle head Collet spindle	205 050 329 3	82.9	3.26	5.0	3/16	0.17	0.37
E	Compact 30° angle head 1/4" x 28 spindle	205 050 330 3	82.9	3.26			0.17	0.37
F	Compact 45° angle head Collet spindle	205 050 335 3	81.0	3.19	5.0	3/16	0.17	0.37
F	Compact 45° angle head 1/4" x 28 spindle	205 050 336 3	79.0	3.11			0.17	0.37
G	Compact 360° angle head Collet spindle	205 050 333 3	81.5	3.21	5.0	3/16	0.25	0.55
G	Compact 360° angle head 1/4" x 28 spindle	205 050 334 3	85.2	3.35			0.25	0.55
STANDARD ANGLE HEADS								
H	Standard 90° angle head Collet spindle	205 050 338 3	75.7	2.98	6.4	1/4	0.23	0.51
H	Standard 90° angle head Collet spindle	205 050 353 3	75.7	2.98	8.0	5/16	0.23	0.51
H	Standard 90° angle head 1/4" x 28 spindle	205 050 339 3	75.7	2.98			0.24	0.53
H	Standard 90° angle head 5/16" x 24 spindle	205 050 340 3	75.7	2.98			0.23	0.51
J	Standard 360° angle head Collet spindle	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	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

OPTIONAL ACCESSORIES



Collet for Angle Heads: D, E, F & G

COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER
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 Angle Heads: H & J

COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER
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 Angle Head: P.N. 205 050 353 3

COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER	COLLET CAPACITY	PART NUMBER
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

Pistol Grip Drills

350 - 500 & 750 W (0.5 - 0.68 & 1 hp) - 400 to 20000 rpm



PIC REF	MODEL	PART NUMBER	FREE SPEED		MOTOR POWER		CHUCK MOUNT	WEIGHT		LENGTH		AIR FLOW		AIR INLET		HOSE INT.	
			rpm	W	hp	in.		kg	lb	mm	in.	l/s	cfm	in.	mm	in.	
DR350 - Without chuck																	
A	DR350-P20000	205 147 359 4	20000	350	0.5	3/8-24	0.49	1.1	120	4.72	9.5	20	1/4	6	1/4		
A	DR350-P5500	205 147 358 4	5500	350	0.5	3/8-24	0.49	1.1	136	5.35	9.5	20	1/4	6	1/4		
A	DR350-P4500	205 147 384 4	4500	350	0.5	3/8-24	0.49	1.1	136	5.35	9.5	20	1/4	6	1/4		
A	DR350-P3000	205 147 357 4	3000	350	0.5	3/8-24	0.49	1.1	136	5.35	9.5	20	1/4	6	1/4		
A	DR350-P2000	205 147 356 4	2000	350	0.5	3/8-24	0.49	1.1	136	5.35	9.5	20	1/4	6	1/4		
B	DR350-P1000	205 147 355 4	1000	350	0.5	3/8-24	0.57	1.3	154	6.06	9.5	20	1/4	6	1/4		
B	DR350-P550	205 147 354 4	550	350	0.5	3/8-24	0.57	1.3	154	6.06	9.5	20	1/4	6	1/4		
DR500 - Without chuck																	
C	DR500-P18500	205 147 678 4	18500	500	0.68	3/8-24	0.56	1.2	141	5.55	14	30	1/4	10	3/8		
C	DR500-P5800	205 147 675 4	5800	500	0.68	3/8-24	0.56	1.2	141	5.55	14	30	1/4	10	3/8		
C	DR500-P4300	205 147 672 4	4300	500	0.68	3/8-24	0.56	1.2	141	5.55	14	30	1/4	10	3/8		
C	DR500-P2700	205 147 669 4	2700	500	0.68	3/8-24	0.56	1.2	141	5.55	14	30	1/4	10	3/8		
D	DR500-P1800	205 147 666 4	1800	500	0.68	3/8-24	0.64	1.4	155	6.10	14	30	1/4	10	3/8		
D	DR500-P1400	205 147 663 4	1400	500	0.68	3/8-24	0.64	1.4	155	6.10	14	30	1/4	10	3/8		
D	DR500-P1000	205 147 660 4	1000	500	0.68	3/8-24	0.64	1.4	155	6.10	14	30	1/4	10	3/8		
D	DR500-P600	205 147 657 4	600	500	0.68	3/8-24	0.64	1.4	155	6.10	14	30	1/4	10	3/8		
D	DR500-P400	205 147 654 4	400	500	0.68	3/8-24	0.64	1.4	155	6.10	14	30	1/4	10	3/8		
DR750 - Without chuck																	
E	DR750-P20000	205 147 458 4	20000	750	1	3/8-24	0.90	2.0	152	5.98	14	30	1/4	10	3/8		
E	DR750-P6000	205 147 417 4	6000	750	1	3/8-24	0.90	2.0	152	5.98	14	30	1/4	10	3/8		
E	DR750-P4100	205 147 456 4	4100	750	1	3/8-24	0.90	2.0	152	5.98	14	30	1/4	10	3/8		
E	DR750-P3300	205 147 355 4	3300	750	1	3/8-24	0.90	2.0	152	5.98	14	30	1/4	10	3/8		
E	DR750-P2700	205 147 416 4	2700	750	1	3/8-24	0.90	2.0	152	5.98	14	30	1/4	10	3/8		
G	DR750-P1300	205 147 415 4	1300	750	1	3/8-24	1.15	2.5	184	7.24	14	30	1/4	10	3/8		
G	DR750-P750	205 147 452 4	750	750	1	1/2-20	1.15	2.5	184	7.24	14	30	1/4	10	3/8		
G	DR750-P400	205 147 451 4	400	750	1	1/2-20	1.15	2.5	184	7.24	14	30	1/4	10	3/8		
DR750 - Jacobs Taper 1 Spindle - Without Chuck																	
F	DR750-P20000	205 146 667 4	20000	750	1	JT1	0.90	2.0	152	5.98	14	30	1/4	10	3/8		
F	DR750-P6000	205 146 666 4	6000	750	1	JT1	0.90	2.0	152	5.98	14	30	1/4	10	3/8		
F	DR750-P4100	205 146 665 4	4100	750	1	JT1	0.90	2.0	152	5.98	14	30	1/4	10	3/8		
F	DR750-P3300	205 146 664 4	3300	750	1	JT1	0.90	2.0	152	5.98	14	30	1/4	10	3/8		
F	DR750-P2700	205 146 663 4	2700	750	1	JT1	0.90	2.0	152	5.98	14	30	1/4	10	3/8		
H	DR750-P1300	205 146 662 4	1300	750	1	JT1	1.15	2.5	184	7.24	14	30	1/4	10	3/8		
H	DR750-P750	205 146 661 4	750	750	1	JT1	1.15	2.5	184	7.24	14	30	1/4	10	3/8		
H	DR750-P400	205 146 660 4	400	750	1	JT1	1.15	2.5	184	7.24	14	30	1/4	10	3/8		

Straight Grip Drills

300 W (0.4 hp) - 550 to 20000 rpm



A



B



C

PIC REF	MODEL	PART NUMBER	FREE SPEED rpm	MOTOR POWER W hp	CHUCK MOUNT in.	WEIGHT kg lb	LENGTH mm in.	AIR FLOW l/s cfm	AIR INLET in.	HOSE INT. mm in.
DR300 - Without chuck										
A	DR300-T20000	205 147 495 4	20000	300 0.4	3/8-24	0.34 1.1	145 5.71	9.5 20	1/4	6 1/4
B	DR300-T5500	205 147 492 4	5500	300 0.4	3/8-24	0.47 1.1	159 6.26	9.5 20	1/4	6 1/4
B	DR300-T4500	205 147 489 4	4500	300 0.4	3/8-24	0.47 1.1	159 6.26	9.5 20	1/4	6 1/4
B	DR300-T3000	205 147 486 4	3000	300 0.4	3/8-24	0.47 1.1	159 6.26	9.5 20	1/4	6 1/4
B	DR300-T2000	205 147 483 4	2000	300 0.4	3/8-24	0.47 1.1	159 6.26	9.5 20	1/4	6 1/4
C	DR300-T1000	205 147 480 4	1000	300 0.4	3/8-24	0.52 1.3	176 6.93	9.5 20	1/4	6 1/4
C	DR300-T550	205 147 477 4	550	300 0.4	3/8-24	0.52 1.3	176 6.93	9.5 20	1/4	6 1/4

Accessories

ACCESSORIES INCLUDED

ITEM	PART NUMBER
• Side handle supplied with DR350-P550/P1000 - DR300-T550/T1000	205 049 446 3
• Side handle supplied with DR500-P400/600/1000/1400/1800	205 053 102 3
• Side handle supplied with all DR750	473173
• Suspension bail supplied with all DR750	473153

OPTIONAL ACCESSORIES

KEY CHUCKS

ITEM	CHUCK MOUNT	CHUCK CAPACITY		PART NUMBER	
		mm	in	CHUCK (key incl.)	KEY ONLY
• Keyed chuck C6	JT1	0.5 to 6.5	1/4	29492	29182
• Keyed chuck C10	JT1	2 to 10	3/8	29042	29232
• Keyed chuck C6	3/8" x 24	0.5 to 6.5	1/4	205 055 272 3	29182
• Keyed chuck C8	3/8" x 24	0.5 to 8	5/16	205 053 013 3	410213
• Keyed chuck C10	3/8" x 24	2 to 10	3/8	205 052 954 3	29232
• Keyed chuck C13	3/8" x 24	2 to 13	1/2	473113	29242
• Keyed chuck C13	1/2" x 20	2 to 13	1/2	29142	29242

KEYLESS CHUCK

ITEM	CHUCK MOUNT	CHUCK CAPACITY		PART NUMBER
		mm	in	
• Keyless chuck K6	JT1	0.5 to 6.5	1/4	524.09
• Keyless chuck K10	JT1	2 to 10	3/8	524.15
• Keyless chuck K8	3/8" x 24	0.5 to 8	5/16	473433
• Keyless chuck K10	3/8" x 24	2 to 10	3/8	473423

CHUCK GUARD

ITEM	PART NUMBER		
	DR300/350	DR500	DR750
• Chuck guard for keyed chuck cap 6.5mm (1/4")	205 049 275 3	205 049 486 3	473143
• Chuck guard for keyed chuck cap 8mm (5/16")	205 049 275 3	205 049 486 3	473143
• Chuck guard for keyed chuck cap 10mm (3/8")	-	-	473133

DUST EXTRACTION KIT

ITEM	PART NUMBER
• For DR300, DR350 & DR500	see page 32

Vacuum for Drills



Can be used with all DR300-Txxxx-Tx-90 / DR300-Txxxx-QR



	PART NUMBER
• Compact 90° angle head - Collet spindle	205 050 331 3
• Compact 90° angle head - 1/4" x 28 spindle	205 050 332 3
• Standard 90° angle head - Collet spindle	205 050 338 3
• Standard 90° angle head - 1/4" x 28 spindle	205 050 339 3
• Standard 90° angle head - 5/16" x 24 spindle	205 050 340 3

	PART NUMBER	
	DR300 Compact	DR300 Standard
• Vacuum kit for 90° angle head drill	205 147 989 4	205 147 991 4

Can be used with all DR350/DR500 and only keyed chuck C6 or C8 type



	PART NUMBER	
	DR350	DR500
• Vacuum kit for pistol drill - shroud ø 20mm	205 147 985 4	205 147 987 4
• Vacuum kit for pistol drill - shroud ø 40mm	205 147 986 4	205 147 988 4

Rivet Shaver & Tapper



A

PIC REF	MODEL	PART NUMBER	FREE SPEED	MOUNT	MAXIMUM CUTTER Ø		WEIGHT		LENGTH		AIR FLOW		AIR INLET	HOSE INT. Ø	
					rpm	mm	in.	kg	lb	mm	in.	l/s	cfm	in.	mm
RIVET SHAVER for accessory 1/4"x26 WHIT															
A	D156-P20000	147664	20000	1/4" x 26	14.3	9/16	1.1	2.4	203	7.99	9.3	19.7	1/4	10	3/8
RIVET SHAVER for accessory 1/4"-28 UNF															
A	D156-P20000	205 146 600 4	20000	1/4" x 28	14.3	9/16	1.1	2.4	203	7.99	9.3	19.7	1/4	10	3/8

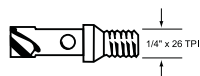
Accessories

ACCESSORIES INCLUDED

ITEM	PART NUMBER
• Cutter - carbide tipped (Ø 11.1mm - 7/16")	70602
• Cutter guard	18822
• Collet spindle wrench	15533
• Cutter guard wrench	38873

OPTIONAL ACCESSORIES

ITEM	PART NUMBER
• Cutter - carbide tipped (Ø 6.4mm - 1/4")	70572
• Cutter - carbide tipped (Ø 7.9mm - 5/16")	70582
• Cutter - carbide tipped (Ø 9.5mm - 3/8")	70592
• Cutter - carbide tipped (Ø 12.7mm - 1/2")	70622
• Cutter guard (Ø 6.4mm - 1/4")	18782
• Cutter guard (Ø 7.9mm - 5/16")	18792
• Cutter guard (Ø 9.5mm - 3/8")	18802
• Cutter guard (Ø 12.7mm - 1/2")	18832



B

PIC REF	MODEL	PART NUMBER	FREE SPEED	REVERSE SPEED	CHUCK SIZE		MAX. TAPPING TORQUE		WEIGHT		LENGTH		AIR FLOW		AIR INLET	HOSE INT. Ø	
					mm	in.	mm	in.	kg	lb	mm	in.	l/s	cfm	in.	mm	in.
TAPPERS																	
B	D16-P-750	1288084	750	1500	6.5	1/4	6.2	54.87	1.7	3.75	297	11.69	8.5	18	1/4	10	3/8
B	D16-P-450	1287934	450	900	10	3/8	11.1	98.23	1.8	3.97	308	12.13	8.5	18	1/4	10	3/8

Accessories

ACCESSORIES INCLUDED

ITEM	CHUCK MOUNT	CHUCK CAPACITY		PART NUMBER	
		mm	in.	D16-P-750	D16-P-450
• Keyed chuck C6 (Key incl. 29182)	JT1	0.5 to 6.5	1/4	29492	29492
• Keyed chuck C10 (Key incl. 29232)	JT1	2 to 10	3/8	29042	29042

OPTIONAL ACCESSORIES

ITEM	MOUNT	PART NO.
1 Precision collet tap holder	JT1	29452
2 Collet capacity M3 to M7 (1/8" to 9/32")		29482
2 Collet capacity M4 to M8 (5/32" to 5/16")		29472
2 Collet capacity M6 to M12 (15/64" to 15/32")		97982

1



2



1

Rack Feed Drills

- The Rack Feed Drill is a semi-fixtured (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.
- A wide speed range from 60 rpm to 2800 rpm is available allowing the best speed to be selected to suit the application.
- RFD-100 provides 102mm (4") of adjustable working stroke length with a 13mm (1/2") chuck capacity.
- RFD-125 provides 127mm (5") of adjustable working stroke length with a No. 2 Morse Taper drive spindle.
- Automatic motor start/stop – can be set to operate at any point within stroke setting for maximum economy of air.
- Various nose configurations can be provided.



RFD Selection

DRILL Ø	TOOL TYPE – rpm			
	INCONEL	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"	RFD(T)-85/140	RFD(T)-140	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	LENGTH		WEIGHT		AIR FLOW		AIR INLET	HOSE INT. Ø		
		rpm	mm in.		mm in.	kg lb	l/s cfm	in.	mm in.					
RFD														
RFD-100-2800	681214	2800	102	4	Chuck 13mm (1/2") capacity	652	25.67	3.9	8.6	11.8	25	1/4	10	3/8
RFD-100-1850	681394	1850	102	4		652	25.67	3.9	8.6	11.8	25	1/4	10	3/8
RFD-100-800	680084	800	102	4		652	25.67	3.9	8.6	11.8	25	1/4	10	3/8
RFD-100-500	680164	500	102	4		652	25.67	3.9	8.6	11.8	25	1/4	10	3/8
RFD-100-330	680244	330	102	4		652	25.67	3.9	8.6	11.8	25	1/4	10	3/8
RFD-100-140	1457364	140	102	4		652	25.67	3.9	8.6	11.8	25	1/4	10	3/8
RFD-100-85	1457374	85	102	4		652	25.67	3.9	8.6	11.8	25	1/4	10	3/8
RFD-100-60	1457384	60	102	4		652	25.67	3.9	8.6	11.8	25	1/4	10	3/8
RFD T														
RFD T-125-800	1445654	800	127	5	No. 2 Morse Taper	764	30.08	5.5	12.1	11.8	25	1/4	10	3/8
RFD T-125-500	1445664	500	127	5		764	30.08	5.5	12.1	11.8	25	1/4	10	3/8
RFD T-125-330	1445674	330	127	5		764	30.08	5.5	12.1	11.8	25	1/4	10	3/8
RFD T-125-140	1445504	140	127	5		764	30.08	5.5	12.1	11.8	25	1/4	10	3/8
RFD T-125-85	1445514	85	127	5		764	30.08	5.5	12.1	11.8	25	1/4	10	3/8
RFD T-125-60	1445524	60	127	5		764	30.08	5.5	12.1	11.8	25	1/4	10	3/8

Accessories

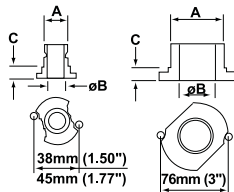
RFD-100 / RFDT-125

ACCESSORIES INCLUDED

ITEM	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	-	35223

OPTIONAL ACCESSORIES

ITEM	PART NUMBER
• Chuck key	29242

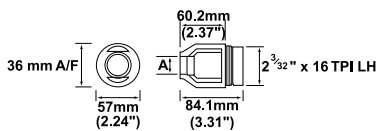
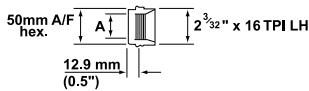


Bayonet Plates

ITEM	A	Ø B	C	PART NO.
• Locating centres – 38mm (1.50")	3/4" x 16 (LH)	14.2mm (0.559")	9.5mm (3/8")	251053
• Locating centres – 45mm (1.77")	1" x 14 (LH)	19.05mm (3/4")	9.5mm (3/8")	251063
• Locating centres – 45mm (1.77")	11/8" x 20 (LH)	19.05mm (3/4")	9.5mm (3/8")	31113
• Locating centres – 76mm (2.99")	23/32" x 16 (LH)	38.1mm (1.150")	12.7mm (1/2")	35323

Nose Attachments

Nose type	To suit bayonet plate centres	Thread 'A'	PART NUMBER
1	38mm (1.50")	3/4" x 16 (LH)	235773
2	38mm (1.50")	3/4" x 16 (LH)	251033
2	45mm (1.77")	1" x 14 (LH)	251043
3	-	1-1/4" x 12 (LH)	235213
3	-	1-1/4" x 12 (LH)	235223
3	-	2" x 16 (LH)	235343

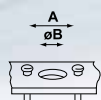
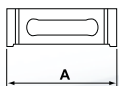
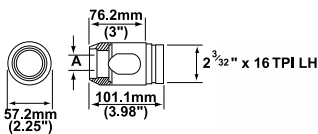


Extension Tubes

Nominal stroke available to drill	Length 'A'	PART NUMBER
• 80mm (3.15")	170mm (6.69")	250923

Jig Plates

Centre "A"	PART NUMBER	
	LOCATING STUD	SCREW
• 38mm (1.50")	17632	17642
• 45mm (1.77")	17632	17642



Drill bushes

Attachment	"Ø B"	PART NUMBER
• ø 14.2mm	ø 10mm	Contact Desouter
• ø 14.2mm	ø 12mm	
• ø 14.2mm	ø 14mm	
• ø 19.05mm	ø 10mm	
• ø 19.05mm	ø 12mm	
• ø 19.05mm	ø 14mm	
• ø 19.05mm	ø 16mm	
• ø 19.05mm	ø 18mm	
• ø 38.01mm	ø 22mm	
• ø 38.01mm	ø 25mm	
• ø 38.01mm	ø 28mm	
• ø 38.01mm	ø 35mm	

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

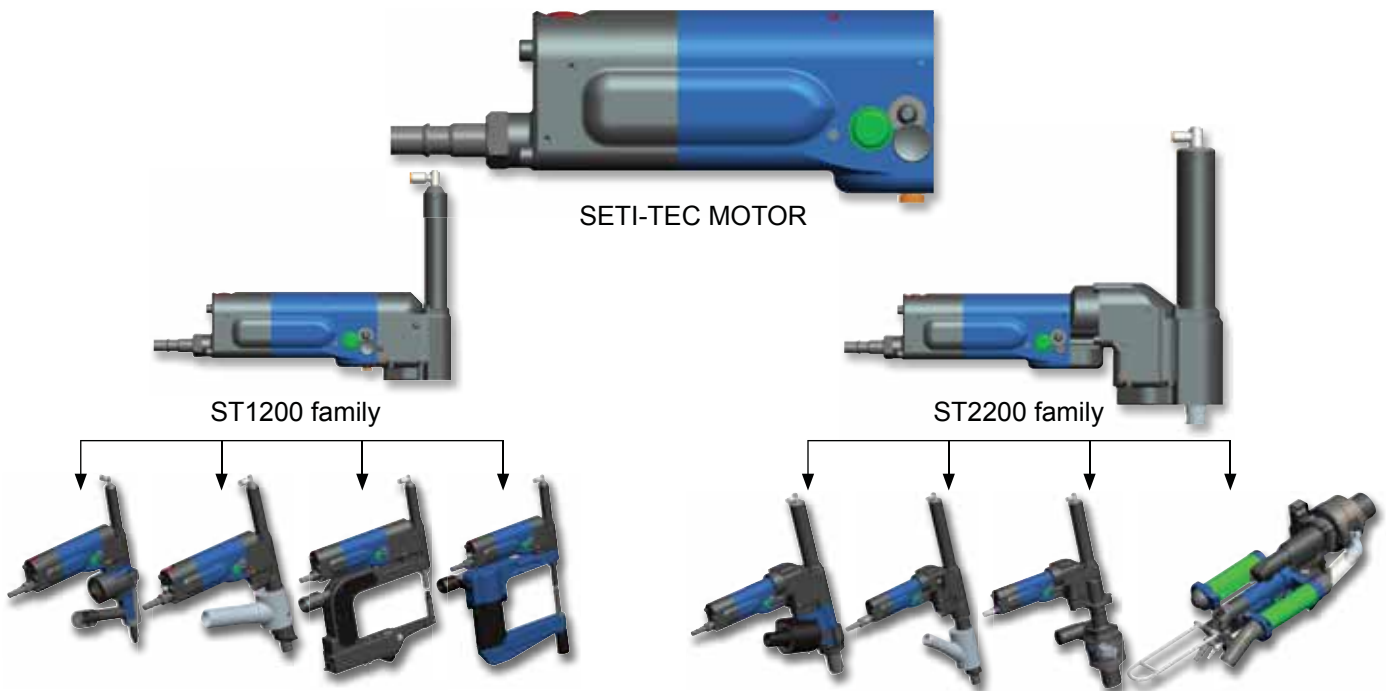
Advanced Drilling Unit

The SETI-TEC line is dedicated to engineering and supplying of aeronautics assembly equipment, specifically related to semi automatic drilling operations.

Technical architecture standardization

Same machine concept is duplicated into 2 main types of machines, ST1200 and ST2200, dedicated to different sizes of holes.

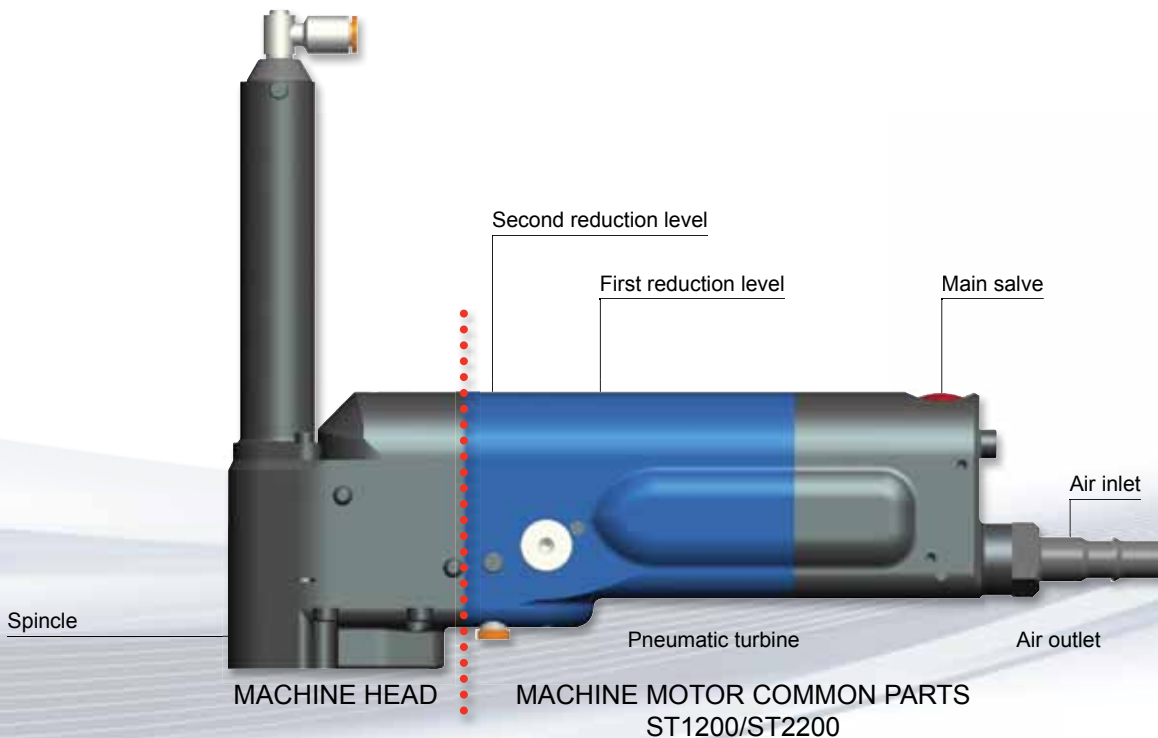
Same maintenance plan and maintenance procedures for all machine type.

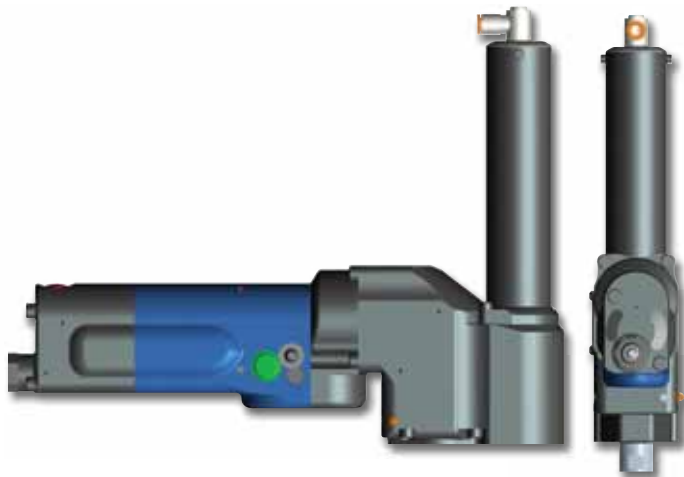
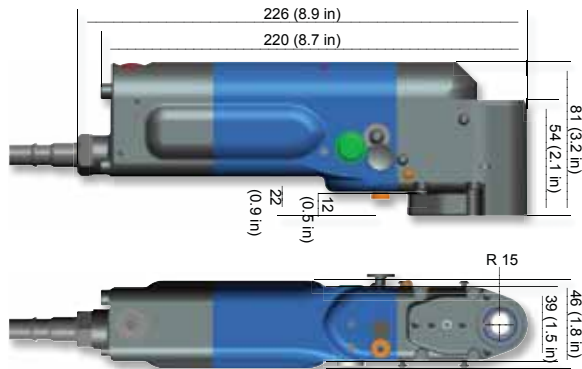


Global machine concept presentation - ST1200 and ST2200

The SETI-TEC line machines propose completely automated cycle: one pressure on start button gives the spindle rotation and feed.

When adjustable end stroke is reached, spindle retracts at fast inverted feed and machine stops.





NEW ST1200 detailed presentation

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

Power: 2.8 HP, with torque limiter at lower speed

Weight: 1.5 kg

Stroke: No restriction

Feed rate: 0.02 mm/rotation
0.04 mm/rotation
0.06 mm/rotation
0.08 mm/rotation
0.10 mm/rotation
0.12 mm/rotation
0.15 mm/rotation

Upper feed rates possible to adapt.

Rotation speed: 240 rpm
1 000 rpm
1 700 rpm
2 400 rpm
3 000 rpm
4 600 rpm
6 500 rpm
8 100 rpm

Available an right angle, inline and inline + handle

NEW ST2200 detailed presentation

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

Power: 2.8 HP, with high torque at low speed

Weight: 4.2 kg

Stroke: No restriction

Feed rate: 0.04 mm/rotation
0.06 mm/rotation
0.10 mm/rotation
0.12 mm/rotation
0.14 mm/rotation
0.18 mm/rotation
0.20 mm/rotation

Upper feed rates possible to adapt

Rotation speed: 159 rpm
300 rpm
540 rpm
700 rpm
800 rpm
900 rpm
1 200 rpm
2 600 rpm

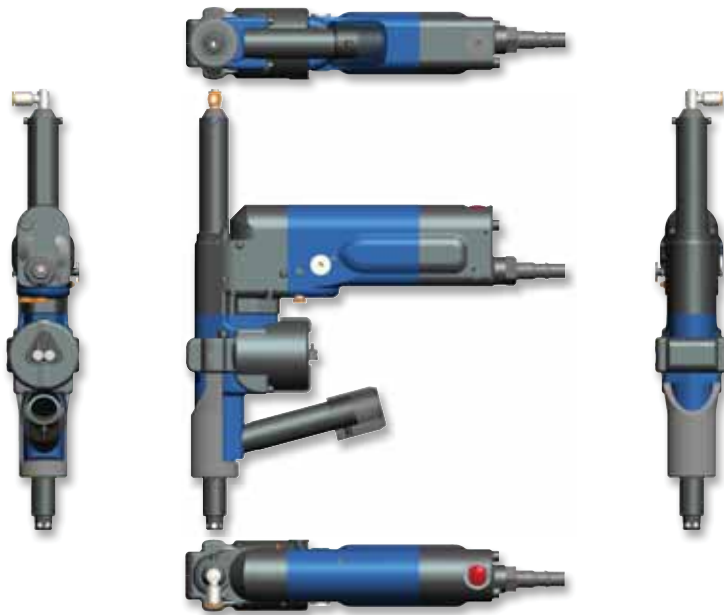
Available an right angle, inline

Concentric Collet Range

Concentric collet on ST1200 machine base: ST1220

New version of small size concentric-collet:

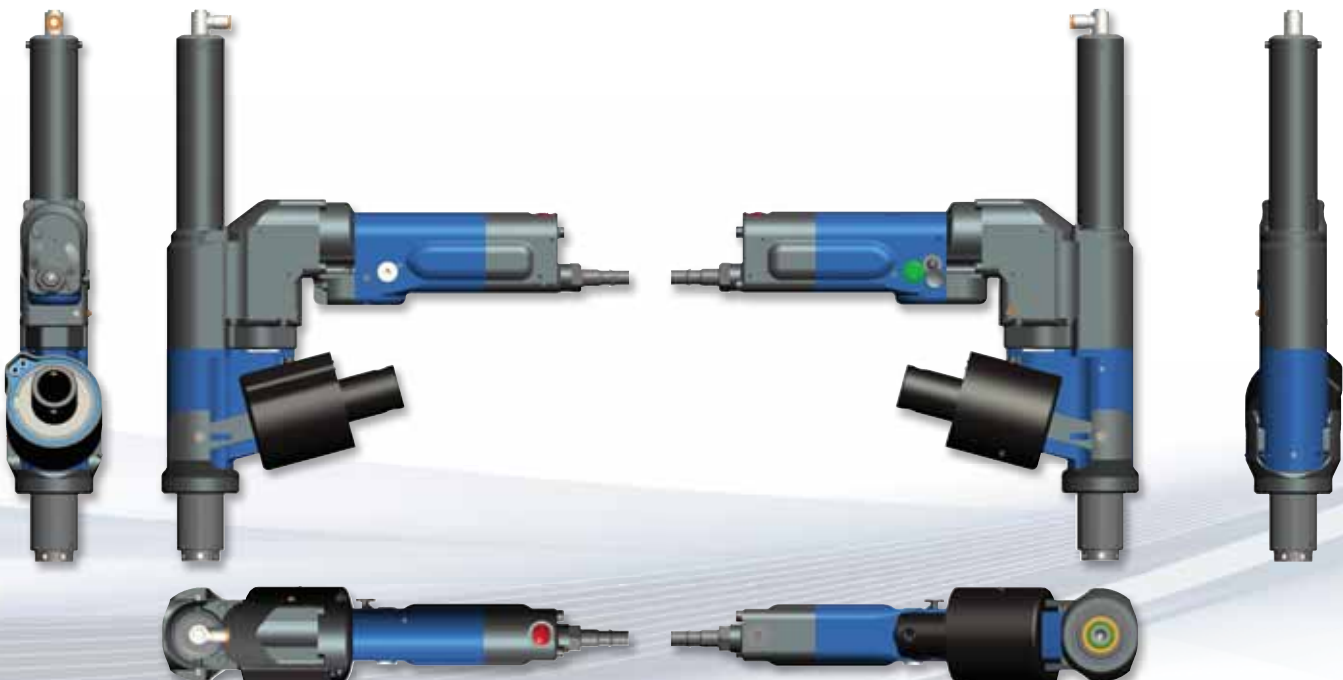
- simpler, less components, easier to disassemble
- adapted to smaller diameters up to 7.9mm (5/16") + countersink
- countersink precision depth: 0.02mm (0.001")
- increased inside diameter
- better ergonomics.



Concentric collet on ST2200 machine base: ST2220

New big version of concentric collet:

- exhaust pipe integrated in clamping cylinder, for very compact solution
- rigid spindle guided on bearings on each side of the head make the overall machine very compact.



Contact your Desoutter representative for assistance

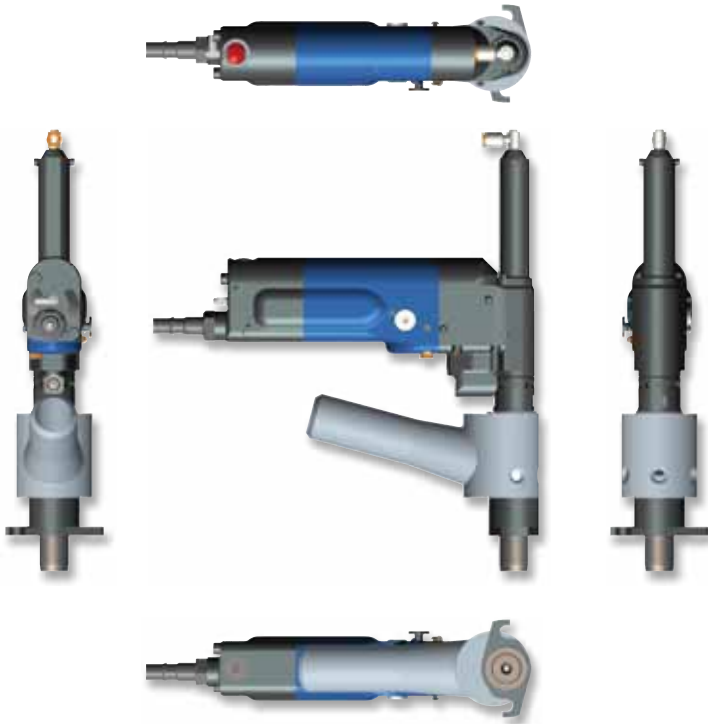
Bayonet Range

Bayonet on ST1200 machine base: ST1210

Lubrication: micro lubrication integrated (not shown on picture)

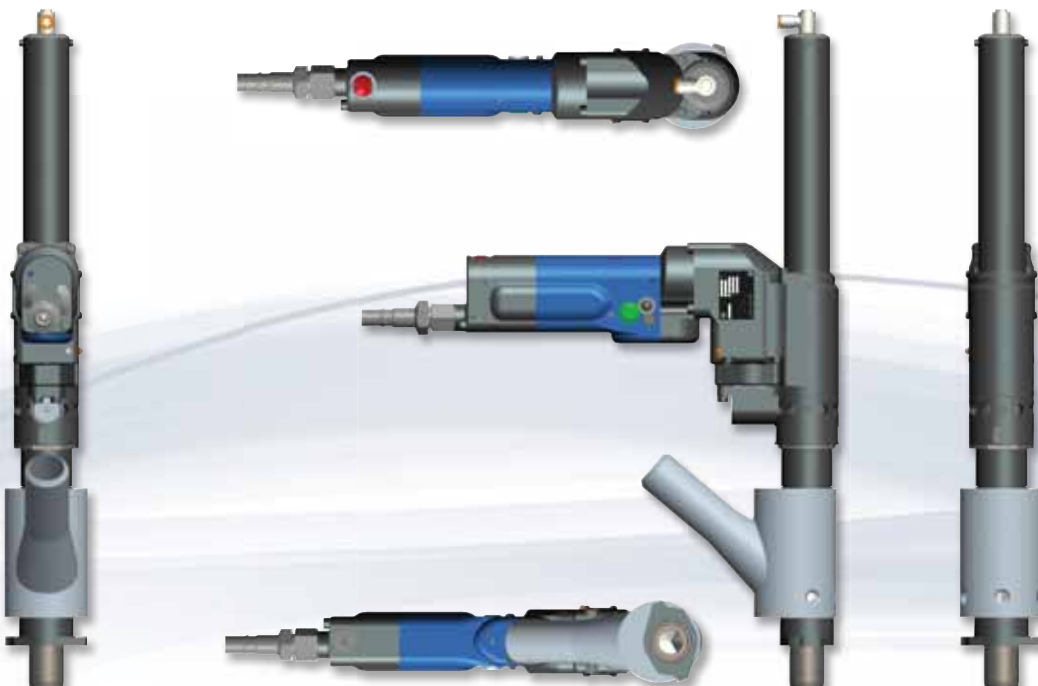
Cycle counter

Micro peck



Bayonet on ST2200 machine base: ST2210

Lubrication: micro lubrication integrated (not shown on picture)



Contact your Desoutter representative for assistance

Riveting Hammers



A



B



C



D



E

Vibration reduced Hammer

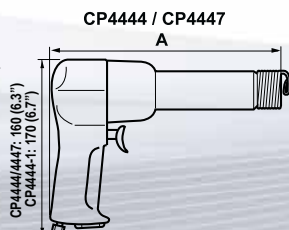
PIC REF	MODEL	PART NUMBER	AIR FRAME REF	BLOW PER MINUTE	BORE & STROKE	ENERGY		CHISEL SHANK		RIVET CAPACITY		WEIGHT		AIR INLET	HOSE INT. Ø	
						J	ft.lb	mm	in.	mm (in.)	mm (in.)	kg	lb		mm	in.
Standard																
A	CP4444-1	205 147 938 4	200 2X	2580	15 x 40 (19/32 x 1.47)	4.4	3.2	10.2	0.401	3.2 (1/8)	2.4 (3/32)	1.2	2.6	1/8	10	3/8
B	CP4444-RURAB	T022961	200 2X	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	300 3X	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	400 4X	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	500 5XB	1560	19.1 x 68.3 (3/4 x 2-11/18)	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	700 7XB	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	800 9XB	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	200 2X	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	300 3X	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	400 4X	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	500 5XB	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	700 7XB	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	800 9XB	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)

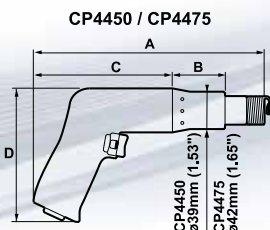
** HARD: Aluminium 7050 (DKJ / KE / E) (M) (T)

Dimensions

Model	A	
	mm	in.
CP4444-1	111	4.4
CP4444-RURAB	170	6.7
CP4444-RUSAB	186	7.3
CP4444-RUTAB	211	8.3
CP4447-RUSAB	227	8.9
CP4447-RUTAB	252	9.9
CP4447-RUVAB	303	11.9



Model	A		B		C		D	
	mm	in.	mm	in.	mm	in.	mm	in.
CP4450-2	213	8.4	32	1.26	102	4.0	138	5.4
CP4450-3	226	8.9	32	1.26	102	4.0	138	5.4
CP4450-4	251	9.9	60	2.36	102	4.0	138	5.4
CP4475-3	275	10.8	54	2.13	180	7.1	140	5.5
CP4475-4	300	11.8	79	3.11	180	7.1	140	5.5
CP4475-6	351	13.8	130	5.12	180	7.1	140	5.5

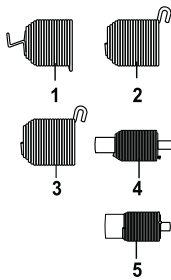


Accessories

ACCESSORIES INCLUDED

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

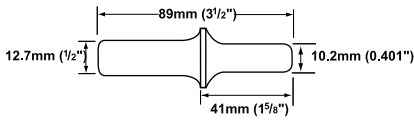
OPTIONAL ACCESSORIES



CP4444 / CP4447 / CP4450 / CP4475

ITEM	PART NUMBER	
	CP4444 CP4450	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

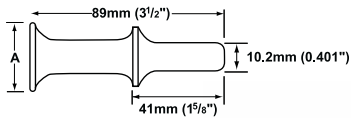
CP4444 / CP4450 - Type I Rivet Sets \varnothing 10.2mm (.401")



RIVET HEAD CUPPING	PART NUMBER				
	2.4mm (3/32")	3.2mm (1/8")	4.0mm (5/32")	4.8mm (3/16")	6.4mm (1/4")
• Round (AN-430)	P089206	P089207	P089208	P089209	P089210*
• Brazier (AN-455)	P089211	P089212	P089213	P089214	P089215*
• Universal (AN-470)	P089221	P089222	P089223	P089224	P089225*
• Soft Blank Set	P071108	-	-	-	-
• Hardened Blank Set	P080178	-	-	-	-

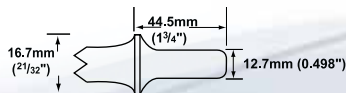
* Must use Light Wire Quick-Change Retainer, A046095 with these sets

Type I Flush Rivet Sets \varnothing 10.2mm (.401")



ITEM	PART NUMBER	
	\varnothing A mm (in.)	Shank \varnothing 10.2mm (0.401")
•	25.4 (1)	A046090
•	31.8 (1-1/4)	A089232
•	38.1 (1-1/2)	A089233
•	44.5 (1-3/4)	A046091

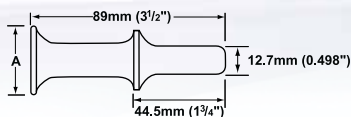
CP4447 / CP4475 - Type D Rivet Sets \varnothing 12.7mm (.498")



RIVET HEAD CUPPING	PART NUMBER		
	4.8mm (3/16")	6.4mm (1/4")	6.4mm (1/4")
• Round (AN-430)	P089240	P089241	P089242*
• Brazier (AN-435)	P089244	P089245	-
• Modified Brazier (AN-456)	P089248	P089244	P089245*
• Universal (AN-470)	P089252	P089253	P089254*
• Soft blank set	P070995	-	-
• Hardened blank set	P080198	-	-

* Must use Light Wire Quick-Change Retainer, A047095

Type I Flush Rivet Sets \varnothing 12.7mm (.498")



ITEM	PART NUMBER	
	\varnothing A mm (in.)	Shank \varnothing 12.7mm (0.498")
•	31.8 (1-1/4)	A047091

Riveting Squeezers

For applications requiring the special "Alligator Jaws or C-Yokes"



Alligator Jaws mounting versions

PART NUMBER	MODEL	EQUIVALENT STANDARD MODEL
T019138	CP0214ANPEL	CP0214ANBEL/ANFEL/ANGEL without jaws
T018997	CP0214ENPEL	CP0214ENBEL/ENFEL/ENGEL without jaws
T025405	CP0351ASNEL	CP0351ASKEL without jaws



C-Yoke mounting versions

PART NUMBER	MODEL	EQUIVALENT STANDARD MODEL
T018677	CP0214CENEL	CP0214CELEL without yoke
T018430	CP0214FANEL	CP0214FALEL without yoke
T022493	CP0341CUNEL	CP0341CUDEL without yoke
T007772	CP0351CUNEL	CP0351CUDEL without yoke

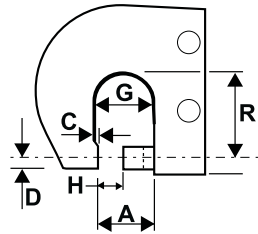


PIC REF.	MODEL	PART NUMBER	CAPACITY				STANDARD YOKE DIMENSIONS				MAX FORCE		MOVING PLUNGER			
			LIGHT		HARD		REACH		CLOSED HEIGHT		(90 psi/6.2 bar)	kN	lb	MAX TRAVEL		FINAL PART OF STROKE AT MAX. FORCE
mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm				in.	mm	in.
C-Yoke (single cylinder)																
A	CP0214CELEL*	T012344	3.2	1/8	2.4	3/32	38.1	1-1/2	17.5	11/16	13.35	3,000	14.3	9/16	1.3	0.050
A	CP0214SETEL**	T023474	3.2	1/8	2.4	3/32	38.1	1-1/2	17.5	11/16	13.35	3,000	14.3	9/16	1.3	0.050
C	CP0351CUDEL*	T008955	4.8	3/16	4.0	5/32	54.0	2-1/8	19.8	25/32	26.70	6,000	14.3	9/16	3.2	0.125
C-Yoke (tandem cylinder)																
A	CP0214FALEL*	T013152	4.8	3/16	4.0	5/32	38.1	1-1/2	17.5	11/16	26.70	6,000	14.3	9/16	1.6	0.063
A	CP0214KETEL**	T023475	4.8	3/16	4.0	5/32	38.1	1-1/2	17.5	11/16	26.70	6,000	14.3	9/16	1.6	0.063
C	CP0351FUDEL*	T012608	6.4	1/4	5.6	7/32	54.0	2-1/8	19.8	25/32	53.40	12,000	14.3	9/16	3.2	0.125
C-Yoke (pneudraulic™)																
D	CP0341CUDEL**	T022512	7.1	9/32	6.4	1/4	54.0	2-1/8	25.4	1	60.10	13,500	31.8	1-1/4	Full stroke	
Alligator (single cylinder)																
B	CP0214ANBEL*	T012343	3.2	1/8	2.4	3/32	38.1	1-1/2	22.2	7/8	13.35	3,000	15.9	5/8	1.3	0.050
B	CP0214ANFEL*	T018671	2.4	3/32	2.4	3/32	57.1	2-1/4	22.2	7/8	9.79	2,200	22.2	7/8	2.4	0.094
B	CP0214ANGEL*	T018672	2.4	3/32	1.6	1/16	76.2	3	22.2	7/8	8.01	1,800	31.8	1-1/4	1.4	0.056
E	CP0351ASGEL*	T007783	4.0	5/32	3.2	1/8	73.0	2-7/8	22.2	7/8	23.14	5,200	15.9	5/8	3.2	0.125
E	CP0351ASKEL*	T007773	3.2	1/8	2.4	3/32	127.0	5	22.2	7/8	15.13	3,400	34.0	1-3/8	4.8	0.188
E	CP0351ASVEL*	T009582	3.2	1/8	2.4	3/32	232.0	9-1/8	19.1	3/4	13.35	3,000	42.9	1-11/16	1.6	0.063
Alligator (tandem cylinder)																
B	CP0214ENGEL*	T018164	3.2	1/8	2.4	3/32	76.2	3	22.2	7/8	15.13	3,400	31.8	1-1/4	2.6	0.104
B	CP0214ENFEL*	T018163	4.0	5/32	3.2	1/8	57.1	2-1/4	22.2	7/8	19.14	4,300	22.2	7/8	2.4	0.094
B	CP0214ENBEL*	T018678	4.8	3/16	4.0	5/32	38.1	1-1/2	22.2	7/8	26.70	6,000	15.9	5/8	1.6	0.063
E	CP0351ESKEL*	T012603	4.8	3/16	4.0	5/32	127.0	5	22.2	7/8	30.26	6,800	34.0	1-3/8	4.8	0.188
E	CP0351ESREL*	T012604	4.8	3/16	4.0	5/32	178.0	7	38.1	1-1/2	26.70	6,000	42.9	1-11/16	4.8	0.188
E	CP0351ESVEL*	T012605	4.8	3/16	4.0	5/32	232.0	9-1/8	19.1	3/4	26.70	6,000	42.9	1-11/16	1.6	0.063
E	CP0351ESGEL*	T012602	6.4	1/4	4.8	3/16	73.0	2-7/8	22.2	7/8	46.28	10,400	15.9	5/8	3.2	0.125

* CR1 / ** CR2

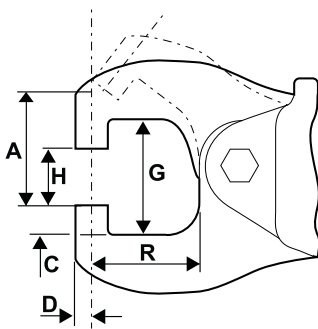
Technical data

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

Alligator Jaw



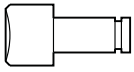
Model	A		C		D		G		H		R	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
CP0214ANGEL	54	2-1/8	-	-	5.5	7/32	54	2-1/8	22	7/8	76	3
CP0214ENGEL	54	2-1/8	-	-	5.5	7/32	54	2-1/8	22	7/8	76	3
CP0214ANFEL	48	1-7/8	-	-	5.5	7/32	54	2-1/8	22	7/8	57	2-1/4
CP0214ENFEL	48	1-7/8	-	-	5.5	7/32	54	2-1/8	22	7/8	57	2-1/4
CP0351ANBEL	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
CP0351ASGEL	38	1-1/2	-	-	5.5	7/32	41	1-5/8	22	7/8	73	2-7/8

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

MODEL	CYLINDER TYPE	RIVET SET TYPE	LENGTH		WEIGHT		SOUND	
			mm	in.	kg	lb	LEVEL dB(A)	POWER dB(A)
CP0214ANBEL	Single	CR-1 (ø 4.8mm - 3/16")	233	9-3/16	1.7	3.75	90	101
CP0214ANFEL	Single	CR-1 (ø 4.8mm - 3/16")	254	10	1.9	4.25	90	101
CP0214ANGEL	Single	CR-1 (ø 4.8mm - 3/16")	273	10-3/4	2.0	4.50	90	101
CP0214CELEL	Single	CR-1 (ø 4.8mm - 3/16")	262	10-5/16	2.0	4.50	90	101
CP0214ENBEL	Tandem	CR-1 (ø 4.8mm - 3/16")	303	11-15/16	2.2	4.75	90	101
CP0214ENFEL	Tandem	CR-1 (ø 4.8mm - 3/16")	324	12-3/4	2.4	5.25	90	101
CP0214ENGEL	Tandem	CR-1 (ø 4.8mm - 3/16")	343	13-1/2	2.5	5.50	90	101
CP0214FALEL	Tandem	CR-1 (ø 4.8mm - 3/16")	356	14	2.5	5.50	90	101
CP0214KETEL	Tandem	CR-2 (ø 6.4mm - 1/4")	356	14	2.5	5.50	90	101
CP0214SETEL	Single	CR-2 (ø 6.4mm - 1/4")	262	10-5/16	2.0	4.50	90	101
CP0341CUDEL	Pneumatic TM	CR-2 (ø 6.4mm - 1/4")	505	19-7/8	6.1	13.50	85	-
CP0351ASGEL	Single	CR-1 (ø 4.8mm - 3/16")	495	19-1/2	7.1	15.75	96	107
CP0351ASKEL	Single	CR-1 (ø 4.8mm - 3/16")	549	21-5/8	9.0	19.75	96	107
CP0351ASVEL	Single	CR-1 (ø 4.8mm - 3/16")	654	25-3/4	11.9	26.25	96	107
CP0351CUDEL	Single	CR-1 (ø 4.8mm - 3/16")	445	17-1/2	5.7	12.50	96	107
CP0351ESGEL	Tandem	CR-1 (ø 4.8mm - 3/16")	603	23-3/4	8.4	18.50	96	107
CP0351ESKEL	Tandem	CR-1 (ø 4.8mm - 3/16")	657	25-7/8	10.2	22.50	96	107
CP0351ESREL	Tandem	CR-1 (ø 4.8mm - 3/16")	708	27-7/8	12.2	27	96	107
CP0351ESVEL	Tandem	CR-1 (ø 4.8mm - 3/16")	762	30	13.2	29	96	107
CP0351FUDEL	Tandem	CR-1 (ø 4.8mm - 3/16")	552	21-3/4	6.9	15.25	96	107

Air inlet 1/4" NPTF

Riveting Squeezers - Selection

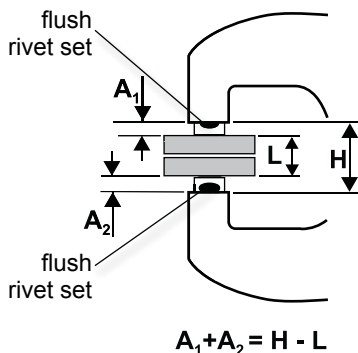
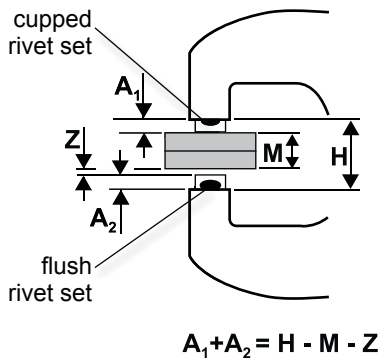
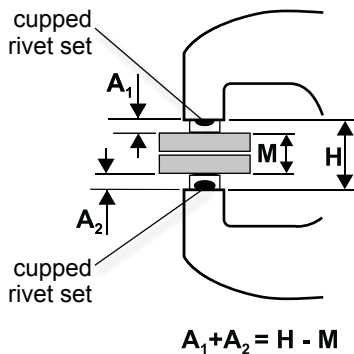


Compression Rivet Sets

(Complete with retaining rings)

Minimum Order: 6 of any part number.

Note: The illustration above shows one rivet set. Two rivet sets are required to be used per tool. Part numbers are for one rivet set only.



SELECTING RIVET SETS TO FIT CP0214, CP0341 and CP0351 RIVETERS

To develop maximum power, the riveter must drive (set) the rivet at the end of the riveter's stroke (with the exception of the CP0341 which develops max power throughout its full stroke). For maximum power the combined length of the two rivet sets must be of the correct length.

Determine the correct lengths as follows:

1) When two cupped rivet sets are used:

The length of the body dimensions of the rivet sets (A1, A2) should equal the closed height dimension of the yoke (H) minus the total thickness of material being riveted together.

2) When one cupped set and one flush set are used:

The length of the body dimensions of the two rivet sets (A1, A2) should equal the closed height dimension of the yoke (H) minus the total thickness of the material being riveted (M) and the height of the finished rivet head (Z) compressed by the flush set (A).

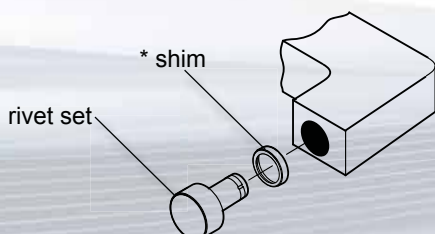
3) When two flush sets are used:

The length of the body dimensions of the two rivet sets (A1, A2) should equal the closed height dimension of the yoke (H) minus the overall length of the rivet (L) after it is compressed.

If necessary, select rivet sets a little short and shim to the correct length using spacer shims.

* Set Length Spacer Shims

TYPE RIVET	PART NUMBERS OF HARDENED SHIMS		
	0.4mm thick (1/64")	0.8mm thick (1/32")	1.6mm thick (1/16")
CR-1	P083254	P083255	P083256
CR-2	-	P083257	P083258

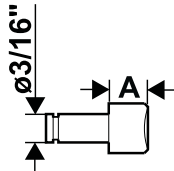


Riveting Squeezers - Rivet sets

RIVET		'A'		AN-435	AN-430	AN-455	AN-456	AN-470	AN-442
DIAMETER		BODY		BUTTON	ROUND	BRAZIER	BRAZIER MODIFIED	UNIVERSAL	FLAT
mm	in.	mm	in.	PART NUMBER					

CR-1 SHANK RIVET SETS FOR CP0214 and CP0351 - CUPPED SETS

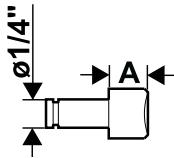
(C-Yoke tools - CP0214 CELEL, FALEL, CUDEL, FUDEL + all Alligator Yoke tools)



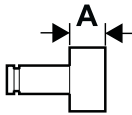
2.4	3/32	6.4	1/4	P091601	P089370	P089390	P089410	P089430	P091621
2.4	3/32	9.5	3/8	P091602	P089371	P089391	P089411	P089431	P091622
2.4	3/32	12.7	1/2	-	-	-	P089412	P089432	P091623
3.2	1/8	6.4	1/4	P091606	P089375	P089395	P053826	P089435	P091626
3.2	1/8	9.5	3/8	P091607	P089376	-	P053827	P089436	P091627
3.2	1/8	12.7	1/2	P091608	P089377	P089397	-	P089437	P091628
4.0	5/32	6.4	1/4	P091611	P089380	P089400	P053831	P089440	P091631
4.0	5/32	9.5	3/8	P091612	P089381	P089401	P053832	P089441	P091632
4.0	5/32	12.7	1/2	P091613	P089382	P089402	P053833	P089442	P091633
4.8	3/16	6.4	1/4	P091616	P089385	P089405	P053836	P089445	P091636
4.8	3/16	9.5	3/8	P091617	P089386	P089406	P053837	P089446	P091637
4.8	3/16	12.7	1/2	P091618	P089387	P089407	P053838	P089447	P091638

CR-2 SHANK RIVET SETS FOR CP0214 and CP0341 - CUPPED SETS

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

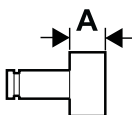


3.2	1/8	6.4	1/4	-	-	-	-	P089510	P091661
3.2	1/8	9.5	3/8	P091642	-	-	-	P089511	-
3.2	1/8	12.7	1/2	-	-	-	-	P089512	P091663
4.0	5/32	6.4	1/4	-	P089455	-	-	P089515	-
4.0	5/32	9.5	3/8	-	-	-	-	P089516	P091667
4.0	5/32	12.7	1/2	P091648	-	-	-	P089517	P091668
4.8	3/16	6.4	1/4	-	P089460	P089480	-	P089520	P091671
4.8	3/16	9.5	3/8	-	P089461	P089481	-	P089521	P491672
4.8	3/16	12.7	1/2	P091653	-	P089482	-	P089522	P091673
6.4	1/4	6.4	1/4	-	P089465	P089485	-	P089525	P091676
6.4	1/4	9.5	3/8	-	P089466	P089486	-	P089526	-
6.4	1/4	12.7	1/2	-	P089467	-	-	P089527	P091678



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	P089505



SOFT SET BLANKS

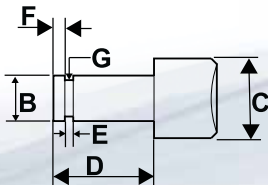
TYPE OF RIVET SET SHANK	'A' LENGTH		BODY DIAMETER		PART NUMBER
	mm	in.	mm	in.	
CR-1 (ø 4.8mm 3/16")	19.1	3/4	15.9	5/8	P093672
CR-2 (ø 6.4mm 1/4")	19.1	3/4	19.1	3/4	P093673

SET LENGTH SPACER SHIMS

TYPE OF RIVET SET SHANK	PART NUMBERS OF HARDENED SHIMS		
	0.4mm (1/64")	0.8mm (1/32")	1.6mm (1/16")
CR-1	P083254	P083255	P083256
CR-2	-	P083257	P083258

RIVET SET RETAINER RING

TYPE OF RIVET SET SHANK	PART NUMBER
CR-1	P071916
CR-2	P071917



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

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

Routers

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

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



A



B

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

PIC	MODEL	FREE SPEED	POWER		AIR CONSUMPTION AT				PART NUMBER	
		rpm	W	hp	FREE SPEED	MAX SPEED	FREE SPEED	MAX SPEED	CNOMO COLLET (-7)	SERIE 200 COLLET (-9)
		rpm	W	hp	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	-
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
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

ROUTER KIT	
MACHINED	BLANK
615 396 069 0	615 396 070 0
615 396 289 0	-

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

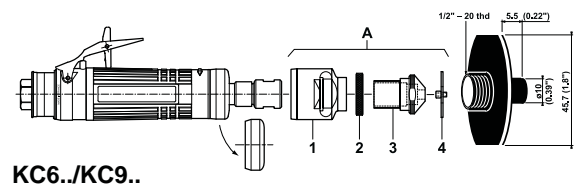
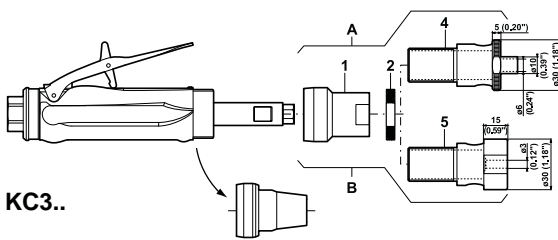
If you need a specific speed or a higher power:

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

OPTIONAL ACCESSORIES

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

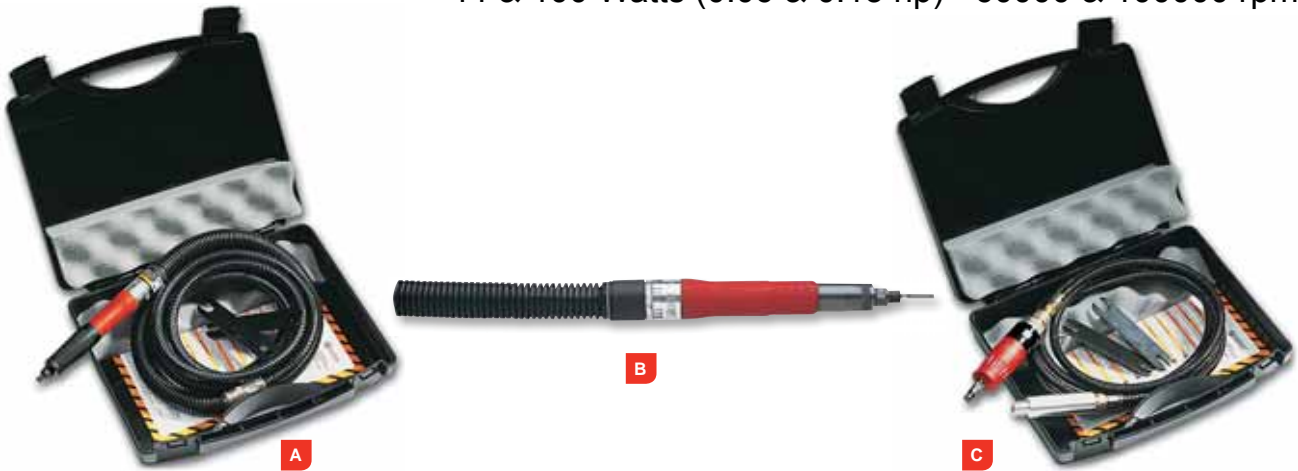
615 396 070 0: Blank routing kit allowing you to adapt the blank to fit the application

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	-



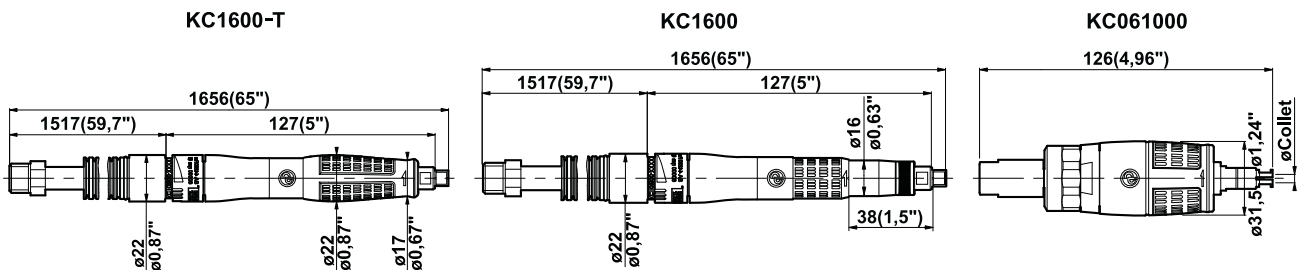
Die Grinders

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



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

Dimensions

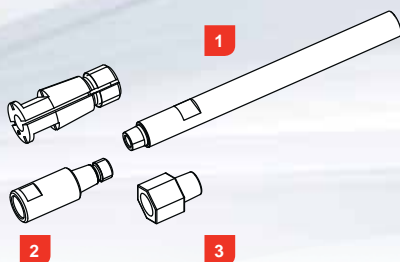


Accessories

ACCESSORIES INCLUDED

ITEM	KC1600
• Collet-holder extension L= 28mm (1.1")	205 047 961 3
• Exhaust kit - L= 1m (39.4")	615 396 405 0
• Mounted inlet hose 1/4" BSP ø 6mm (1/4") - L= 1.5m (59")	615 875 119 0
• Spanner (Qty 2)	205 047 965 3

OPTIONAL ACCESSORIES



KC1600 / KC1600-T

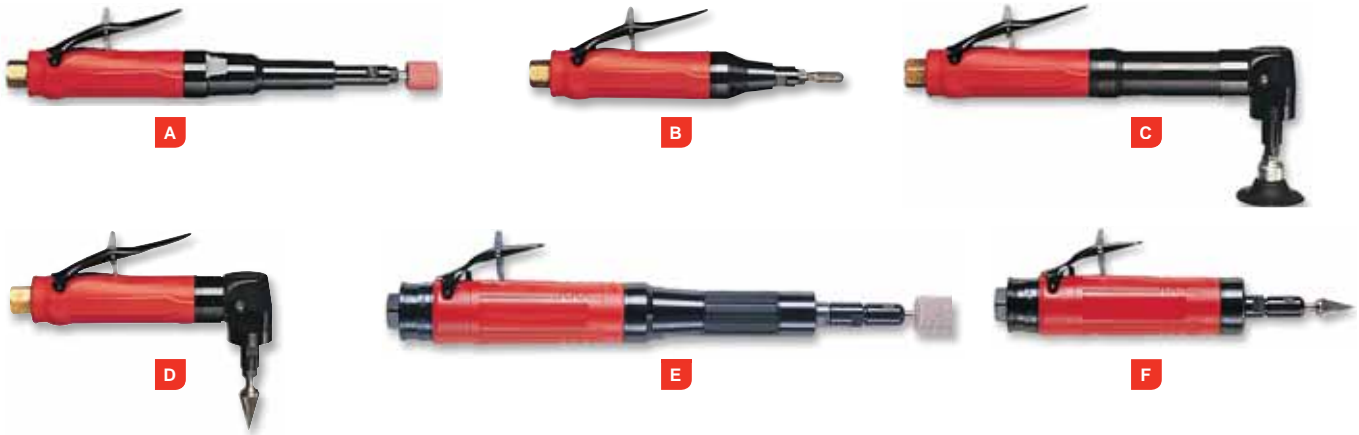
ITEM	PART NUMBER
• Collet, ø 2.38mm (3/32")	205 048 059 3
1 Machine extension L= 150mm (6")	615 595 330 0
2 Collet extension - L= 20mm (0.8")	615 595 329 0
3 Adaptor 1/4" BSP to 1/4" NPT female	181523

KC061000

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

Collet Grinders - CNOMO type

375 to 900 Watts (0.5 to 1.21 hp) - 12000 to 40000 rpm

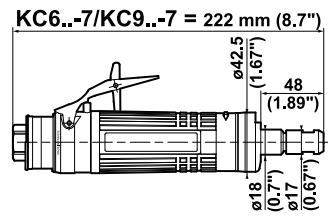
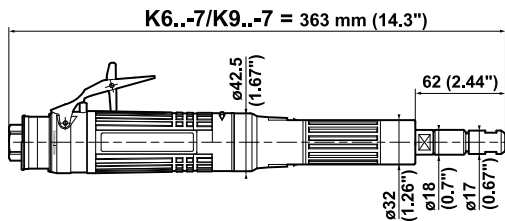
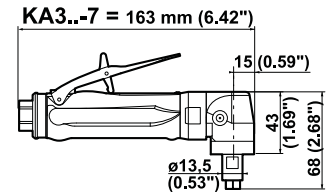
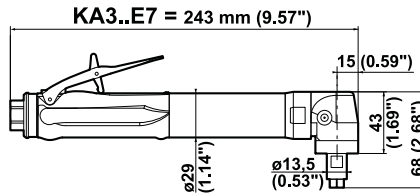
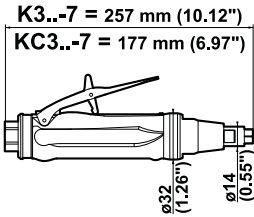


Caution: comply with the speed recommended by component and abrasive manufacturers

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

ITEM	PART NUMBER	
	K3../KC3../KA3..-7	K6../K9../KC6../KC9..-7
• Collet-holder extension L= 28mm (1.1")	-	615 523 018 0
• CNOMO collet \varnothing 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

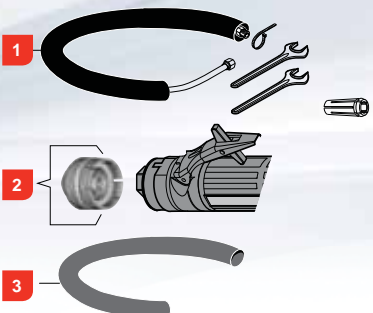
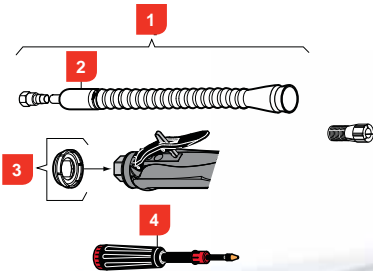
OPTIONAL ACCESSORIES

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

ITEM	PART NUMBER
• CNOMO collet, \varnothing 2.5mm	615 526 089 0
• CNOMO collet, \varnothing 3mm	615 526 044 0
• CNOMO collet, \varnothing 3.2mm (1/8")	615 526 045 0
• CNOMO collet, \varnothing 4mm	615 526 090 0
• CNOMO collet, \varnothing 5mm	615 526 092 0
• CNOMO collet, \varnothing 6mm	615 526 046 0
• CNOMO collet, \varnothing 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

ITEM	PART NUMBER
• Collet-holder extension L= 28mm (1.1")	615 523 019 0
• CNOMO collet, \varnothing 3mm	615 526 048 0
• CNOMO collet, \varnothing 6mm	615 526 049 0
• CNOMO collet, \varnothing 6.4mm	615 526 050 0
• CNOMO collet, \varnothing 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

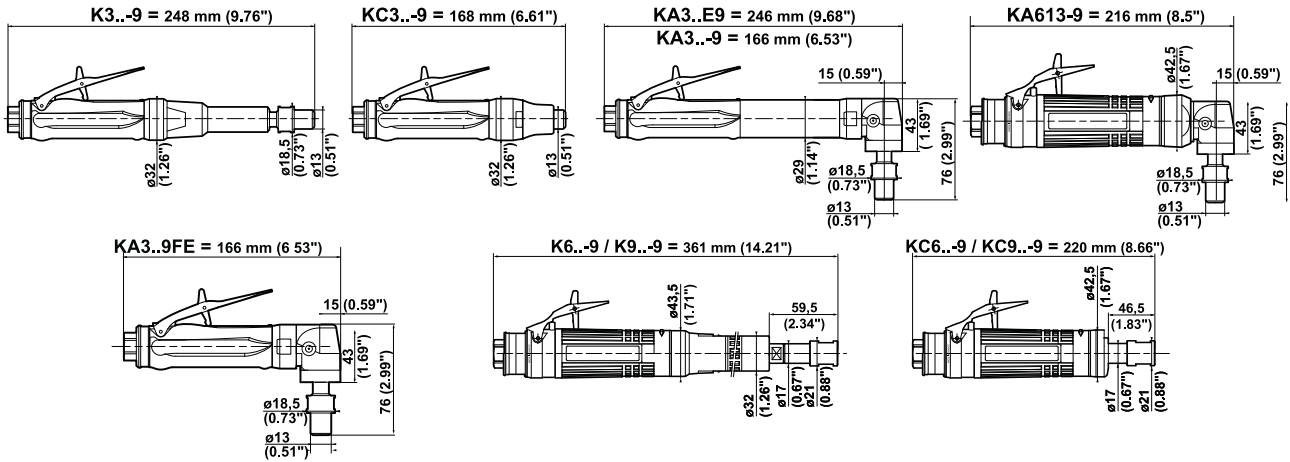


Caution: comply with the speed recommended by component and abrasive manufacturers

PIC REF	MODEL	PART NUMBER	FREE SPEED	COLLET MAX CAPACITY		POWER		WEIGHT		AIR CONSUMPTION AT				AIR INLET	HOSE INT.	
			rpm	mm	in.	W	hp	kg	lb	FREE SPEED	MAX SPEED	INLET	mm	in.		
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-FE	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

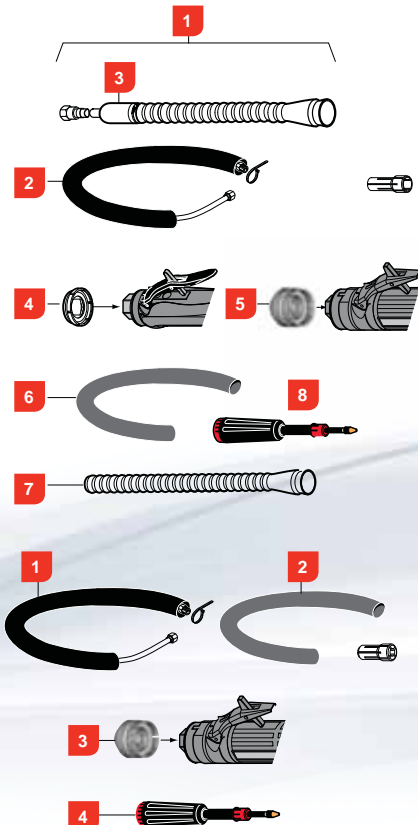


Accessories

ACCESSORIES INCLUDED

ITEM	K3.../KC3.../KA3...-9	KA3...-9FE	KA613-9	K6.../KC6.../K9.../KC9...
• Serie 300 resilient collet, \varnothing 5.55 to 6.35mm (1/4")	615 526 059 0	615 526 059 0	615 526 059 0	-
• Serie 200 resilient collet, \varnothing 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

OPTIONAL ACCESSORIES



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

ITEM	K3/KC3... / KA3...	KA613-9
• Serie 300 resilient collet, \varnothing 0.4 to 1.2mm	615 526 052 0	615 526 052 0
• Serie 300 resilient collet, \varnothing 1.2 to 2mm	615 526 053 0	615 526 053 0
• Serie 300 resilient collet, \varnothing 1.7 to 2.5mm	615 526 054 0	615 526 054 0
• Serie 300 resilient collet, \varnothing 2.4 to 3.2mm (1/8")	615 526 055 0	615 526 055 0
• Serie 300 resilient collet, \varnothing 3.16 to 3.96mm	615 526 056 0	615 526 056 0
• Serie 300 resilient collet, \varnothing 3.95 to 4.75mm	615 526 057 0	615 526 057 0
• Serie 300 resilient collet, \varnothing 4.75 to 5.55mm	615 526 058 0	615 526 058 0
• Serie 300 resilient collet, \varnothing 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

ITEM	PART NUMBER
• Serie 200 resilient collet, \varnothing 2.4 to 3.2mm (1/4")	615 526 061 0
• Serie 200 resilient collet, \varnothing 5.2 to 6mm	615 526 062 0
• Serie 200 resilient collet, \varnothing 5.55 to 6.35mm (1/4")	615 526 063 0
• Serie 200 resilient collet, \varnothing 7.2 to 8mm	615 526 064 0
• Serie 200 resilient collet, \varnothing 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

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

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

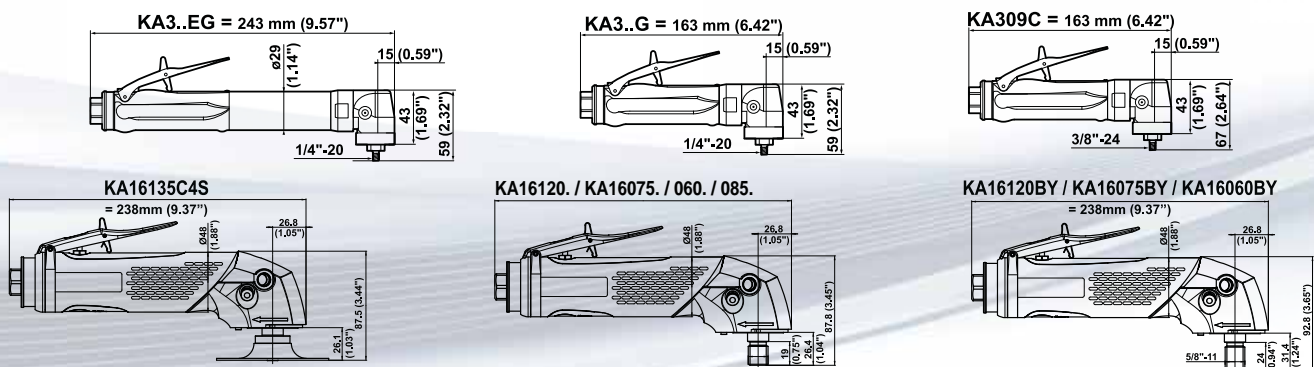


Caution: comply with the speed recommended by component and abrasive manufacturers

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

ITEM	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

Sanding with standard abrasive disc ø 127mm (5")

ITEM	KA16120A KA16085/075/060A	KA16120B KA16085/075/060B
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

Sanding with semi-rigid disc ø 127mm (5")

ITEM	KA16120A KA16085/075/060A
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

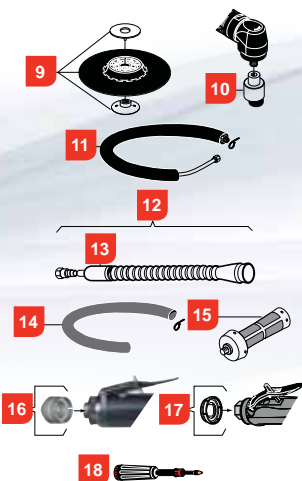
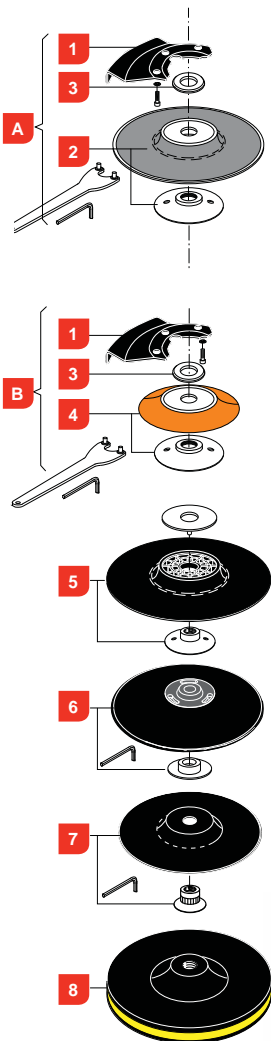
Sanding

ITEM	KA16085/075/060A M14x2	KA16085/075/060B 5/8"-11	KA16075/060BY 5/8"-11
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)	615 990 145 0	615 990 146 0	-
8 Rigid velcro-backed backing pad ø 150mm (6") (max. 10000rpm)	615 990 137 0	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=0.75mm	-	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

∅ 127mm (5") - ∅ 180mm (7")



Cutting depth
31.5mm (1.24")

A

Dust extraction casing
for diamond disc ∅ 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")

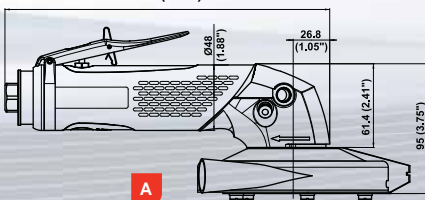
Caution: comply with the speed recommended by component and abrasive manufacturers

PIC REF	MODEL	PART NUMBER	DUST EXTRACTION KIT		FREE SPEED	THREADED SPINDLE	POWER		WEIGHT		AIR CONSUMPTION AT				AIR INLET
			∅ 127mm (5")	∅ 180mm (7")			W	hp	kg	lb	FREE SPEED	MAX SPEED	l/s	cfm	
rpm															in.
ANGLE GRINDERS ∅ 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
ANGLE GRINDERS ∅ 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
ANGLE GRINDERS ∅ 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
ANGLE SANDERS															
B/C	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/C	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/C	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/C	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/C	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/C	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/C	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/C	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

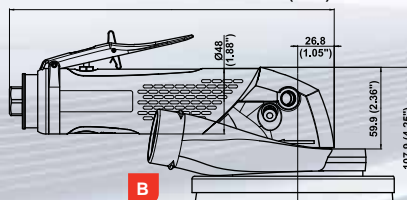
5/8"-11 UNC

Dimensions

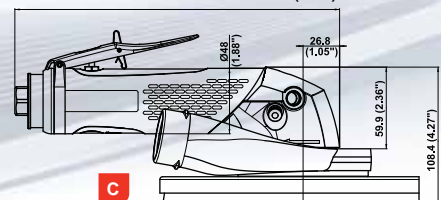
KA16120 = 238mm (9.37")



KA16120/085/075/060 = 238mm (9.37")



KA16120/085/075/060 = 238mm (9.37")

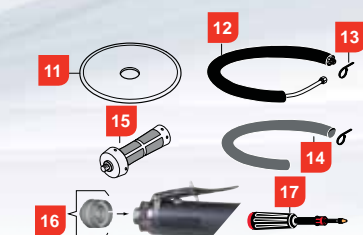
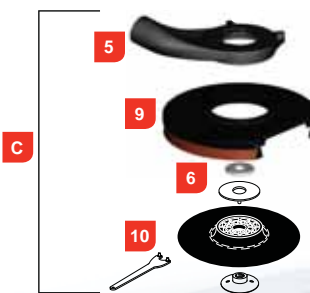
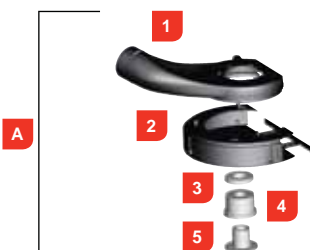


Accessories

ACCESSORIES INCLUDED

ITEM	KA16120. Ø 127mm (5")	KA16085. KA16075./060.
• Exhaust hose	615 875 113 0	615 875 113 0
• 3/8" air hose nipple for 13mm ID hose	615 704 027 0	615 704 027 0
• Side handle	-	615 576 038 0
• Vibration-damping side handle	615 576 066 0	-
• Flat wrench, 17mm (11/16")	615 801 032 0	615 801 032 0

OPTIONAL ACCESSORIES



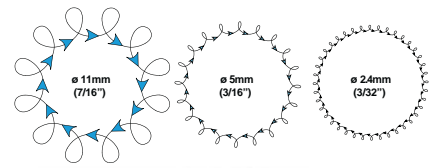
KA16120./ KA16085. / KA16075. / KA16060

Dust extraction for composite cutting	
ITEM	PART NUMBER
A	Dust extraction Kit for Diamond disk ø 127mm (5")
1	Manifold with screws
2	Gable 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
Dust extraction for composite, non metal and metal sanding	
ITEM	KA16120./085. KA16075./060. Ø 127mm (5")
B	Dust Extraction Kit
5	Suction cap
6	Washer
7	Skirt with brush
8	Ventilated backing pad with nut M14 & 5/8" (max. 12000rpm)
•	Pin wrench, 35mm (1-3/8")
Dust extraction for composite, non metal and metal sanding	
ITEM	KA16120./085. KA16075./060. Ø 180mm (7")
C	Dust Extraction Kit
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
•	Hex. key 8mm (5/16")
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

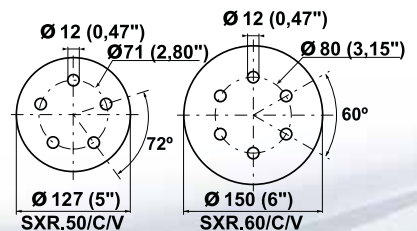
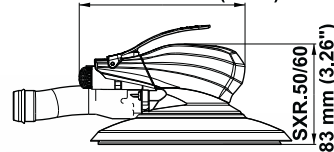
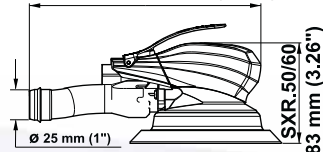
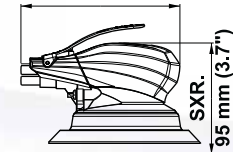
PIC REF	MODEL	PART NUMBER	PAD SIZE		ORBIT		FREE SPEED rpm	MOTOR POWER		WEIGHT		AIR FLOW		AIR INLET in.	HOSE INT. Ø	
			mm	in.	mm	in.		W	hp	kg	lb	l/s	cfm		mm	in.
NON-VACUUM																
A	SXRA50	615 170 219 0	127	5	2.4	3/32	12000	210	0.3	0.8	1.7	8.0	16.6	1/4	6	1/4
D	SXRA60	615 170 220 0	150	6	2.4	3/32	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

SXR. = 127 mm (5")

SXR.V/C = 186 mm (7.32")

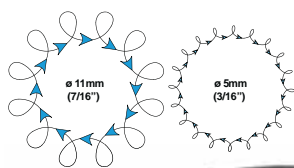
SXR.C = 133 mm (5.24")



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 rpm	MOTOR POWER W hp	WEIGHT kg lb	AIR FLOW l/s cfm	AIR INLET in.	HOSE INT. Ø				
			mm	in.	mm	in.						mm	in.			
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

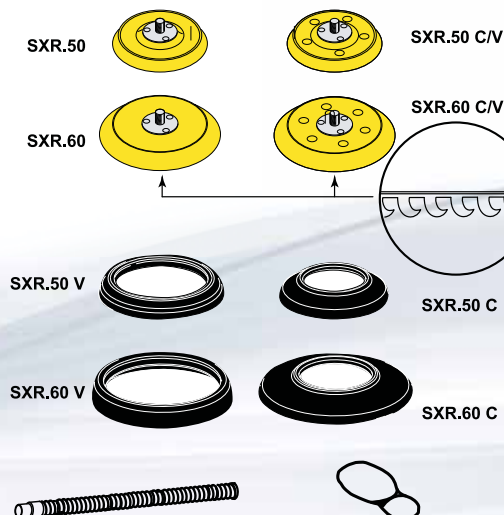
ACCESSORIES INCLUDED

ITEM	PART NUMBER
• 1/4" air hose nipple	615 705 009 0
• Small grip (medium size grip fitted on sander)	615 303 109 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

ITEM	Hook & Loop abrasive	Hook & Loop abrasive (V) or (C) with 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



Pads: Thread 5/16"-24

ITEM	Self-adhesive abrasive	Self-adhesive abrasive (V) or (C) with holes
• 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

ITEM	PART NUMBER
• 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

ITEM	PART NUMBER
• 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

ITEM	PART NUMBER
• Dust extraction hose Ø 25mm (1") Long. 1.5m (60")	615 396 263 0

Bail Hook

ITEM	PART NUMBER
• Bail hook	615 571 060 0

Screwdrivers

Shut off - Straight grip

0.4 to 27 Nm (3.5 to 239 in.lb)



Optional Accessories see page 61

PIC REF	MODEL	PART NUMBER	FREE	OUTPUT	TORQUE		LENGTH		WEIGHT		AIR FLOW		AIR	HOSE INT.	
			SPEED	DRIVE	Nm	in.lb	mm	in.	kg	lb	l/s	cfm	INLET	mm	in.
			rpm	in.									in.	mm	in.
SC RANGE - TWO WAY															
A	SC021-L2000-S90A4S	1459154	2000	1/4 ■	0.4-2.1	3.5-18.6	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
A	SC021-L1400-S90A4S	1459144	1400	1/4 ■	0.4-2.1	3.5-18.6	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
A	SC043-L950-S90A4S	1459134	950	1/4 ■	0.4-4.3	3.5-38	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
A	SC047-L500-S90A4S	1459124	500	1/4 ■	0.4-4.7	3.5-41.5	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
B	SC021-L2200-S45A4S	1459574	2200	1/4 ■	0.4-2.1	3.5-18.6	339	13.3	0.85	1.87	6.5	13.8	1/8	6	1/4
B	SC021-L1500-S45A4S	1459584	1500	1/4 ■	0.4-2.1	3.5-18.6	339	13.3	0.85	1.87	6.5	13.8	1/8	6	1/4
B	SC043-L1050-S45A4S	1459594	1050	1/4 ■	0.4-4.3	3.5-38	339	13.3	0.85	1.87	6.5	13.8	1/8	6	1/4
B	SC047-L520-S45A4S	1459604	520	1/4 ■	0.4-4.7	3.5-41.5	339	13.3	0.85	1.87	6.5	13.8	1/8	6	1/4
B	SC021-L2200-S45A4H	1459484	2200	1/4 ●	0.4-2.1	3.5-18.6	339	13.3	0.85	1.87	6.5	13.8	1/8	6	1/4
B	SC021-L1500-S45A4H	1459494	1500	1/4 ●	0.4-2.1	3.5-18.6	339	13.3	0.85	1.87	6.5	13.8	1/8	6	1/4
B	SC043-L1050-S45A4H	1459504	1050	1/4 ●	0.4-4.3	3.5-38	339	13.3	0.85	1.87	6.5	13.8	1/8	6	1/4
B	SC047-L520-S45A4H	1459514	520	1/4 ●	0.4-4.7	3.5-41.5	339	13.3	0.85	1.87	6.5	13.8	1/8	6	1/4
C	SC021-L2000-S90A4H	1459074	2000	1/4 ●	0.4-2.1	3.5-18.6	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
C	SC021-L1400-S90A4H	1459064	1400	1/4 ●	0.4-2.1	3.5-18.6	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
C	SC043-L950-S90A4H	1469054	950	1/4 ●	0.4-4.3	3.5-38	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
C	SC047-L500-S90A4H	1469044	500	1/4 ●	0.4-4.7	3.5-41.5	275	10.8	0.84	1.85	6.5	13.8	1/8	6	1/4
SD RANGE - TWO WAY															
D	SD070-LR1100-S90-A4H	1463294	1100	1/4 ●	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
D	SD070-LR820-S90-A4H	1463284	820	1/4 ●	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
D	SD070-LR510-S90-A4H	1463274	510	1/4 ●	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
D	SD070-LR320-S90-A4H	1463264	320	1/4 ●	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
D	SD070-LR1100-S90-A4S	1463414	1100	1/4 ■	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
D	SD070-LR820-S90-A4S	1463404	820	1/4 ■	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
D	SD070-LR510-S90-A4S	1463394	510	1/4 ■	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
D	SD070-LR320-S90-A4S	1463384	320	1/4 ■	2.5-7	22-61.9	305	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
D	SD070-LR170-S90-A4S	205 146 705 4	170	1/4 ■	2.5-7	22-61.9	306	12.0	1.11	2.45	8.7	18.4	1/4	10	3/8
E	SD072-LR1080-S90-A10S	1463554	1080	3/8 ■	2.5-7.2	22-63.7	376	14.8	1.41	3.11	8.7	18.4	1/4	10	3/8
E	SD095-LR800-S90-A10S	1463544	800	3/8 ■	3-9.5	26.6-84.1	376	14.8	1.41	3.11	8.7	18.4	1/4	10	3/8
E	SD130-LR600-S90-A10S	1463534	600	3/8 ■	4.5-12	39.8-106	376	14.8	1.41	3.11	8.7	18.4	1/4	10	3/8
E	SD209-LR370-S90-A10S	1463524	370	3/8 ■	6-19	53.1-168	376	14.8	1.41	3.11	8.7	18.4	1/4	10	3/8
E	SD300-LR250-S90-A10S	1463514	250	3/8 ■	11-27	97.3-239	376	14.8	1.50	3.31	8.7	18.4	1/4	10	3/8
E	SD300-LR180-S90-A10S	205 146 704 4	180	3/8 ■	11-27	97.3-239	375	14.8	1.50	3.31	8.7	18.4	1/4	10	3/8

Accessories

ACCESSORIES INCLUDED

	PART NUMBER	
	SC	SD
• Suspension bail	39433 / 280893	467003
• Exhaust hose	396553	467073
• Adjustment keys	29932	29932

Screwdrivers

Shut off - Pistol grip

0.4 to 16 Nm (3.5 to 142 in.lb)



PIC REF.	MODEL	PART NUMBER	FREE SPEED	OUTPUT HEX	TORQUE RANGE		LENGTH		WEIGHT		AIR FLOW		AIR INLET	HOSE INT. Ø	
			rpm	in.	Nm	in.lb	mm	in.	kg	lb	l/s	cfm	in.	mm	in.
PUSH AND TRIGGER START															
A	SBP021-T2300-S4Q	1462144	2300	1/4	0.4-2.1	3.5-18.6	182	7.17	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	182	7.17	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	182	7.17	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	3.5-41.5	182	7.17	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	182	7.17	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	182	7.17	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	182	7.17	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	182	7.17	0.82	1.81	6.5	13.8	1/8	6	1/4
A	SCBP047-L550-S4Q	1466334	550	1/4	0.4-4.7	3.5-41.5	182	7.17	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	228	8.97	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	228	8.97	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	228	8.97	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	3.5-41.5	228	8.97	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	194	7.64	0.90	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	194	7.64	0.90	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	220	8.66	1.00	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	220	8.66	1.00	2.20	9.0	19.1	1/4	10	3/8
C	SDP0100-T780-S4Q	1465534	780	1/4	0.6-10	5.3-88.5	220	8.66	1.00	2.20	9.0	19.1	1/4	10	3/8
C	SDP0140-T490-S4Q	1465524	490	1/4	0.6-14	5.3-124	220	8.66	1.00	2.20	9.0	19.1	1/4	10	3/8
C	SDP0160-T300-S4Q	1465514	300	1/4	0.6-16	5.3-142	220	8.66	1.00	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	220	8.66	1.00	2.20	9.0	19.1	1/4	10	3/8
D	SDT023-T3500-S4Q	1465784	3500	1/4	1-2.3	8.9-20.3	212	8.35	1.10	2.42	9.0	19.1	1/4	10	3/8
D	SDT035-T2200-S4Q	1465774	2200	1/4	1-3.5	8.9-31	212	8.35	1.10	2.42	9.0	19.1	1/4	10	3/8
D	SDT035-T1100-S4Q	205 147 623 4	1100	1/4	1-3.5	8.9-31	212	8.35	1.00	2.20	9.0	19.1	1/4	10	3/8
D	SDT055-T1470-S4Q	1465764	1470	1/4	2-5.5	17.8-48.7	238	9.37	1.10	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	238	9.37	1.10	2.42	9.0	19.1	1/4	10	3/8
D	SDT0100-T820-S4Q	1465744	820	1/4	3.5-10	31-88.5	238	9.37	1.10	2.42	9.0	19.1	1/4	10	3/8
D	SDT0140-T510-S4Q	1465734	510	1/4	3.5-14	31-124	238	9.37	1.10	2.42	9.0	19.1	1/4	10	3/8
D	SDT0160-T320-S4Q	1465724	320	1/4	3.5-16	31-142	238	9.37	1.10	2.42	9.0	19.1	1/4	10	3/8
PUSH START, TOP AIR LINE															
E	SCPT021-A2300-S4Q	1458974	2300	1/4	0.4-2.1	3.5-18.6	230	9.06	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	230	9.06	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	230	9.06	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	3.5-41.5	230	9.06	0.86	1.89	6.5	13.8	1/8	6	1/4

Accessories

ACCESSORIES INCLUDED

	SBP	SCBP	SCP SCPT	SDP SDT
• Suspension bail	307683	307683	307683	473153
• Side handle (320-1470rpm)	-	-	-	467033
• Adjustment keys (320-1470rpm)	466583	205 047 988 3	29932	29932
• Adjustment keys (2200-3500rpm)	-	-	-	467293

Nutrunners

Shut off - Straight grip

2.5 to 200 Nm (22.2 to 1770 in.lb)



A



B



C



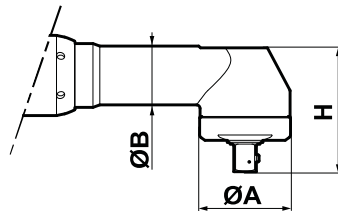
D



E

Option:

Reaction bar for SH850/1200/2000



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



ANGLE HEAD DIMENSIONS

MODEL	Ø A		Ø B		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
SH2200	51	2.00	33	1.30	69.5	2.70

PIC REF.	MODEL	PART NUMBER	BOLT SIZE	FREE SPEED	OUT PUT	TORQUE RANGE		LENGTH		WEIGHT		AIR FLOW		AIR INLET Ø	
						Nm	in.lb	mm	in.	kg	lb	l/s	cfm	in.	mm
ANGLE HEAD															
A	SH70-LR1100-S90-A4S	205 147 628 4	M5	1100	1/4 ■	2.5 - 7	22.2 - 62	334	13.1	1.3	2.9	8	17	1/4	8 5/16
B	SH150-LR850-S90-A10S	205 147 629 4	M6	850	3/8 ■	7 - 15	62 - 132.7	349	13.7	1.4	3.1	10	21	1/4	10 3/8
B	SH200-LR550-S90-A10S	205 147 630 4	M6	550	3/8 ■	10 - 19	88.5 - 168.1	355	14	1.4	3.1	10	21	1/4	10 3/8
B	SH280-LR350-S90-A10S	205 147 631 4	M8	350	3/8 ■	14 - 28	123.9 - 247.8	350	13.8	1.4	3.1	10	21	1/4	10 3/8
B	SH280-LR80-S90-A10S	205 147 632 4	M8	80	3/8 ■	14 - 28	123.9 - 247.8	350	13.8	1.4	3.1	10	21	1/4	10 3/8
C	SH420-LR400-S90-A10S	205 147 800 4	M10	400	3/8 ■	20 - 42	177 - 371.7	436	17.2	2.0	4.4	16	34	1/4	10 3/8
C	SH500-LR330-S90-A13S	205 147 473 4	M10	330	1/2 ■	25 - 50	221.3 - 442.5	453	17.8	2.2	4.8	16	34	1/4	10 3/8
D	SH700-LR225-S90-A13S	205 147 474 4	M10/M12	225	1/2 ■	34 - 70	300.9 - 619.5	487	19.2	2.4	5.3	16	34	1/4	10 3/8
D	SH850-LR190-S90-A13S	205 147 475 4	M12	190	1/2 ■	40 - 85	354 - 752.2	530	20.8	2.8	6.1	16	34	1/4	10 3/8
E	SH1200-LR215-S90-A13S	205 147 476 4	M12/M14	215	1/2 ■	70 - 120	619.5 - 1062	590	23.2	3.5	7.6	28	59	1/2	13 1/2
E	SH2000-LR100-S90-A13S	205 147 801 4	M12/M14	100	1/2 ■	115 - 200	1017.5 - 1770	608	23.9	4.4	9.7	28	59	1/2	13 1/2
STRAIGHT															
F	SH470-LR350-S	205 147 812 4	M10	350	3/8 ■	22 - 47	194.7 - 416	608	23.9	4.4	9.7	28	59	1/2	13 1/2

Accessories

ACCESSORIES INCLUDED

ITEM	SH
• Adjustment keys	205 050 785 3
• Air hose nipple	205 051 239 3

OPTIONAL ACCESSORIES

ANGLE HEAD



ITEM	SC	SD	SH
• 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

PISTOL GRIP

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

Air Line Selection

CONNECTION: BSP + Easy Flow EURO SERIES COUPLINGS/NIPPLES



	TOOL MODEL	PART NUMBER					
		FRL KIT	HOSE KIT	HOSE WHIP	AIR FLEX	CLOSED HOSE REEL KIT	OPEN HOSE REEL KIT
SCREWDRIVERS / NUTRUNNERS							
	SBP/SCBP	615 398 036 5	615 398 055 5	-	615 804 746 0	615 398 049 5	615 398 068 5
	SCP/SCPT	615 398 036 5	615 398 055 5	-	615 804 746 0	615 398 049 5	615 398 068 5
	SC2	615 398 036 5	615 398 055 5	-	615 804 746 0	615 398 049 5	615 398 068 5
	SD/SDP/SDT	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 069 5
	SH70	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 069 5
	SH150/200/280	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 069 5
	SH420/500/700/850	615 398 037 5	615 398 056 5	-	615 804 746 0	-	615 398 069 5
	SH1200/2000	615 398 038 5	615 398 058 5	-	615 804 750 0	-	-

GRINDERS							
	KC1600	615 398 036 5	615 398 055 5	-	615 804 746 0	615 398 049 5	615 398 068 5
	KC061000	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 069 5
	K3../KC3../KA3..	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 069 5
	K6../K9../KC6../KC9../KA6..	615 398 037 5	615 398 057 5	-	615 804 748 0	-	-
	KA16..	615 398 038 5	615 398 058 5	615 398 044 5	615 804 748 0	-	-

SANDERS							
	KC90../KA90..	615 398 037 5	615 398 057 5	-	615 804 748 0	-	-
	KA3..	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 069 5
	KA16..	615 398 038 5	615 398 058 5	615 398 044 5	615 804 748 0	-	-
	SX..	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 069 5
	SXR./SXR...H	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 069 5

RIVETING HAMMERS							
	CP4444/CP4447	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 069 5
	CP4450/CP4475	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 0695

DRILLS							
	DR300/DR350	615 398 037 5	615 398 056 5	-	615 804 746 0	615 398 050 5	615 398 069 5
	DR500/DR750	615 398 037 5	615 398 056 5	-	615 804 746 0	-	615 398 069 5
	RFD	615 398 037 5	615 398 056 5	-	615 804 746 0	-	615 398 069 5

Air Line Selection

CONNECTION: BSP + Easy Flow EURO SERIES COUPLINGS/NIPPLES



KIT DESCRIPTION	PART NUMBER	KIT CONTENT
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FRL KIT



615 398 036 5	1/4" BSP Ball valve + 2 Stages 1/4" FRL + 1/4" EF Coupling EURO 7.6mm
615 398 037 5	1/2" BSP Ball valve + 2 Stages 1/2" FRL + 1/2" EF Coupling EURO 7.6mm
615 398 038 5	3/4" BSP Ball valve + 2 Stages 3/4" FRL + 3/4" EF Coupling EURO 10.4mm

HOSE KIT



615 398 055 5	Hose Kit: 1/4" EF Nipple EURO 7.6mm + 8m 1/4" Polyuretane hose + EF Coupling EURO 7.6mm Nipple's kit for tool 1/4" & 1/8" tool inlet
615 398 056 5	Hose Kit: 1/4" EF Nipple EURO 7.6mm + 8m 3/8" Polyuretane hose + EF Coupling EURO 7.6mm Nipple's kit for 1/4" & 1/8" tool inlet
615 398 057 5	Hose Kit: 3/8" EF Nipple EURO 7.6mm + 8m 1/2" Polyuretane hose + EF Coupling EURO 7.6mm Nipple's kit for 3/8" tool inlet
615 398 058 5	Hose Kit: 1/2" EF Nipple EURO 10.4mm + 8m 5/8" Polyuretane hose + EF Coupling EURO 10.4mm Nipple's kit for 3/8" & 1/2" tool inlet

HOSE WHIP KIT



615 398 044 5	Rubber hose whip 3/8" BSP 13mm ID + EF Nipple EURO 10.4mm
615 398 045 5	Rubber hose whip 1/2" BSP 16mm ID + EF Nipple EURO 10.4mm

CLOSED HOSE REEL KIT



615 398 049 5	HRS Polyurethane Hose Reel 8mm ID, 10m length + EF Nipple and Coupling EURO 7.6mm
615 398 050 5	HRM Polyurethane Hose Reel 10mm ID, 10m length + EF Nipple and Coupling EURO 7.6mm

OPEN HOSE REEL KIT



615 398 068 5	HROM Polyurethane Hose Reel 10mm ID, 16m length + EF Nipple and Coupling EURO 7.6mm
615 398 069 5	HROL Polyurethane Hose Reel 13mm ID, 16m length + EF Nipple and Coupling EURO 7.6mm

Air Line Selection

CONNECTION: NPT + Easy Flow ISO 6150B MIL-C4109 COUPLINGS/NIPPLES



	TOOL MODEL	PART NUMBER					
		FRL KIT	HOSE KIT	HOSE WHIP	AIR FLEX	CLOSED HOSE REEL KIT	OPEN HOSE REEL KIT

SCREWDRIVERS / NUTRUNNERS

	SBP/SCBP	615 398 039 5	615 398 059 5	-	615 804 746 0	615 398 0515	615 398 070 5
	SCP/SCPT	615 398 039 5	615 398 059 5	-	615 804 746 0	615 398 0515	615 398 070 5
	SC2	615 398 039 5	615 398 059 5	-	615 804 746 0	615 398 0515	615 398 070 5
	SD/SDP/SDT	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5
	SH70	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5
	SH150/200/280	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5
	SH420/500/700/850	615 398 040 5	615 398 060 5	-	615 804 746 0	-	615 398 071 5
	SH1200/2000	615 398 041 5	615 398 062 5	-	615 804 7500	-	-

GRINDERS

	KC1600	615 398 039 5	615 398 059 5	-	615 804 746 0	615 398 0515	615 398 070 5
	KC061000	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5
	K3../KC3../KA3..	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5
	K6../K9../KC6../KC9../KA6..	615 398 040 5	615 398 061 5	-	615 804 748 0	-	-
	KA16..	615 398 041 5	615 398 062 5	615 398 046 5	615 804 748 0	-	-

SANDERS

	KC90../KA90..	615 398 040 5	615 398 061 5	-	615 804 748 0	-	-
	KA3..	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5
	KA16..	615 398 041 5	615 398 062 5	615 398 046 5	615 804 748 0	-	-
	SX..	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5
	SXR./SXR...H	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5

RIVETING HAMMERS

	CP4444/CP4447	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5
	CP4450/CP4475	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5

DRILLS

	DR300/DR350	615 398 040 5	615 398 060 5	-	615 804 746 0	615 398 052 5	615 398 071 5
	DR500/DR750	615 398 040 5	615 398 060 5	-	615 804 746 0	-	615 398 071 5
	RFD	615 398 040 5	615 398 060 5	-	615 804 746 0	-	615 398 071 5

Air Line Selection

CONNECTION: NPT + Easy Flow ISO 6150B MIL-C4109 COUPLINGS/NIPPLES



KIT DESCRIPTION	PART NUMBER	KIT CONTENT
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FRL KIT



615 398 039 5	1/4" NPT Ball valve + 2 Stages 1/4" FRL + 1/4" EF Coupling ISO 6150B 8mm
615 398 040 5	1/2" NPT Ball valve + 2 Stages 1/2" FRL + 1/2" EF Coupling ISO 6150B 8mm
615 398 041 5	3/4" NPT Ball valve + 2 Stages 3/4" FRL + 3/4" EF Coupling ISO 6150B 11mm

HOSE KIT



615 398 059 5	Hose Kit: 1/4" EF Nipple ISO 6150B 8mm + 8m 5/16" Polyuretane hose + EF Coupling ISO 6150B 8mm Nipple's kit for tool 1/4" & 1/8" tool inlet
615 398 060 5	Hose Kit: 1/4" EF Nipple ISO 6150B 8mm + 8m 3/8" Polyuretane hose + EF Coupling ISO 6150B 8mm Nipple's kit for 1/4" & 3/8" tool inlet
615 398 061 5	Hose Kit: 3/8" EF Nipple ISO 6150B 8mm + 8m 1/2" Polyuretane hose + EF Coupling ISO 6150B 8mm Nipple's kit for 3/8" tool inlet
615 398 062 5	Hose Kit: 1/4" EF Nipple ISO 6150B 8mm + 8m 1/4" Polyuretane hose + EF Coupling ISO 6150B 8mm Nipple's kit for 1/8" tool inlet
615 398 063 5	Hose Kit: 1/2" EF Nipple ISO 6150B 11mm + 8m 5/8" Polyuretane hose + EF Coupling ISO 6150B 11mm Nipple's kit for 3/8" & 1/2" tool inlet

HOSE WHIP KIT



615 398 046 5	Rubber hose whip 3/8" NPT 13mm ID + EF Nipple ISO 6150B 11mm
615 398 047 5	Rubber hose whip 1/2" NPT 16mm ID + EF Nipple ISO 6150B 11mm

CLOSED HOSE REEL KIT



615 398 051 5	HRNS Polyurethane Hose Reel 8mm ID, 10m length + EF Nipple and Coupling ISO 6150B 8mm
615 398 052 5	HRNM Polyurethane Hose Reel 10mm ID, 10m length + EF Nipple and Coupling ISO 6150B 8mm

OPEN HOSE REEL KIT



615 398 070 5	HRNO M Polyurethane Hose Reel 10mm ID, 16m length + EF Nipple and Coupling ISO 6150B 8mm
615 398 071 5	HRNO L Polyurethane Hose Reel 13mm ID, 16m length + EF Nipple and Coupling ISO 6150B 8mm

Air Line Selection

CONNECTION: NPT + Easy Flow ASIA 7,5mm



	TOOL MODEL	PART NUMBER					
		FRL KIT	HOSE KIT	HOSE WHIP	AIR FLEX	CLOSED HOSE REEL KIT	OPEN HOSE REEL KIT
SCREWDRIVERS / NUTRUNNERS							
	SBP/SCBP	615 398 042 5	615 398 064 5		615 804 746 0	615 398 053 5	615 398 072 5
	SCP/SCPT	615 398 036 5	615 398 055 5		615 804 746 0	615 398 049 5	615 398 068 5
	SC2	615 398 042 5	615 398 064 5		615 804 746 0	615 398 053 5	615 398 072 5
	SD/SDP/SDT	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 073 5
	SH70	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 073 5
	SH150/200/280	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 073 5
	SH420/500/700/850	615 398 043 5	615 398 065 5		615 804 746 0		615 398 073 5
	SH1200/2000	615 398 041 5	615 398 063 5		615 804 750 0		

GRINDERS							
	KC1600	615 398 042 5	615 398 064 5		615 804 746 0	615 398 053 5	615 398 072 5
	KC061000	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 073 5
	K3./KC3./KA3..	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 073 5
	K6./K9./KC6./KC9./KA6..	615 398 043 5	615 398 066 5		615 804 748 0		
	KA16..	615 398 041 5	615 398 063 5	615 398 048 5	615 804 748 0		

SANDERS							
	KC90./KA90..	615 398 043 5	615 398 066 5		615 804 748 0		
	KA3..	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 073 5
	KA16..	615 398 041 5	615 398 063 5	615 398 048 5	615 804 748 0		
	SX..	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 073 5
	SXR./SXR...H	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 073 5

RIVETING HAMMERS							
	CP4444/CP4447	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 0735
	CP4450/CP4475	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 0735

DRILLS							
	DR300/DR350	615 398 043 5	615 398 065 5		615 804 746 0	615 398 054 5	615 398 073 5
	DR500/DR750	615 398 043 5	615 398 065 5		615 804 746 0		615 398 073 5
	RFD	615 398 043 5	615 398 065 5		615 804 746 0		615 398 073 5

Air Line Selection

CONNECTION: NPT + Easy Flow ASIA 7,5mm



KIT DESCRIPTION	PART NUMBER	KIT CONTENT
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FRL KIT



615 398 042 5	1/4" NPT Ball valve + 2 Stages 1/4" FRL + 1/4" EF Coupling ASIA 7.5mm
615 398 043 5	1/2" NPT Ball valve + 2 Stages 1/2" FRL + 1/2" EF Coupling ASIA 7.5mm
615 398 041 5	3/4" NPT Ball valve + 2 Stages 3/4" FRL + 3/4" EF Coupling ISO 6150B 11mm

HOSE KIT



615 398 064 5	Hose Kit: 1/4" EF Nipple ASIA 7.5mm + 8m 5/16" Polyuretane hose + EF Coupling ASIA 7.5mm Nipple's ASIA kit for tool 1/4" & 1/8" tool inlet
615 398 065 5	Hose Kit: 1/4" EF Nipple ASIA 7.5mm + 8m 3/8" Polyuretane hose + EF Coupling ASIA 7.5mm Nipple's ASIA kit for 1/4" & 3/8" tool inlet
615 398 066 5	Hose Kit: 3/8" EF Nipple ASIA 7.5mm + 8m 1/2" Polyuretane hose + EF Coupling ASIA 7.5mm Nipple's ASIA kit for 3/8" tool inlet
615 398 063 5	Hose Kit: 1/2" EF Nipple ASIA 7.5mm + 8m 1/2" Polyuretane hose + EF Coupling ASIA 7.5mm Nipple's ASIA kit for 3/8" tool inlet
615 398 067 5	Hose Kit: 1/2" EF Nipple ISO 6150B 11mm + 8m 5/8" Polyuretane hose + EF Coupling ISO 6150B 11mm Nipple's kit for 3/8" & 1/2" tool inlet

HOSE WHIP KIT



615 398 048 5	Rubber hose whip 3/8" NPT 13mm ID + EF Nipple ASIA 7,5mm
615 398 047 5	Rubber hose whip 1/2" NPT 16mm ID + EF Nipple ASIA 7,5mm

CLOSED HOSE REEL KIT



615 398 053 5	HRNS Polyurethane Hose Reel 8mm ID, 10m length + EF Nipple and Coupling ASIA 7.5mm
615 398 054 5	HRNM Polyurethane Hose Reel 10mm ID, 10m length + EF Nipple and Coupling ASIA 7.5mm

OPEN HOSE REEL KIT



615 398 070 5	HRNO M Polyurethane Hose Reel 10mm ID, 16m length + EF Nipple and Coupling ASIA 7.5mm
615 398 071 5	HRNO L Polyurethane Hose Reel 13mm ID, 16m length + EF Nipple and Coupling ASIA 7.5mm

Battery Tools

E-LIT Series



A
D

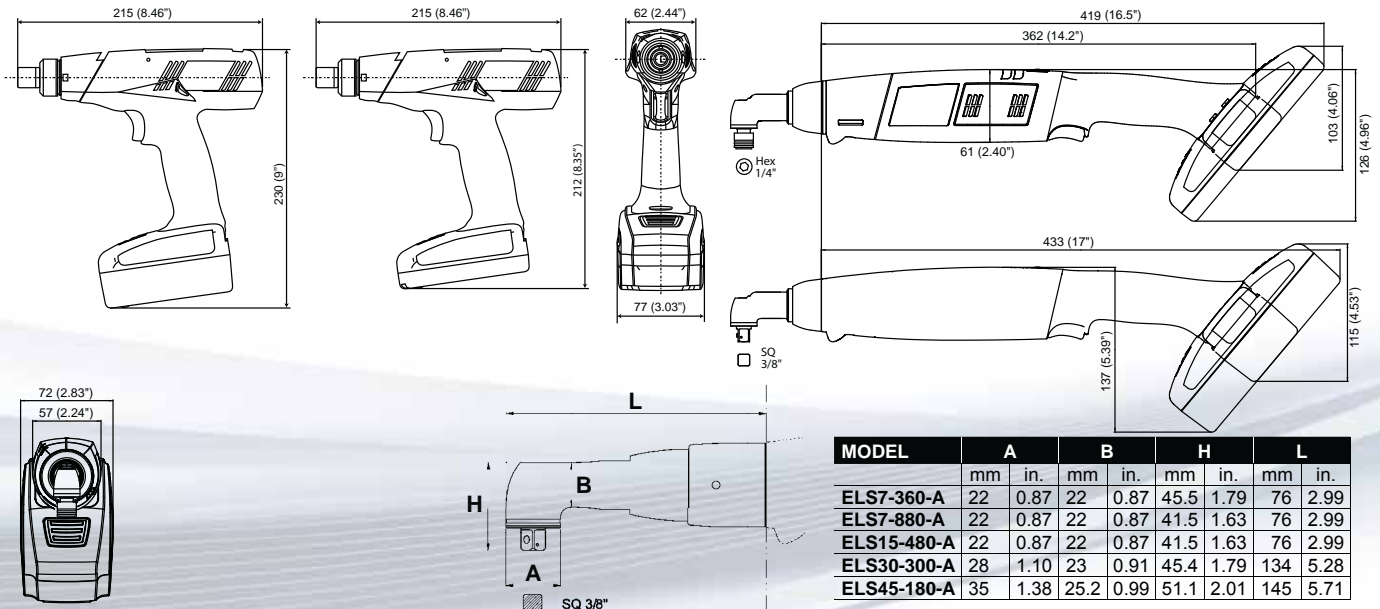


B
C

PIC REF	MODEL	PART NUMBER	FREE SPEED	OUTPUT	TORQUE RANGE		LENGTH		WEIGHT WITHOUT BATTERY		VOLTAGE
			rpm	in.	Nm	in.lb	mm	in.	kg	lb	V
E-LIT premium - Electronic brushless speed setting (ELS)											
A	ELS2.5-1550-P	615 165 419 0	500 - 1550	1/4 ●	0.4 - 2.5	4 - 22	215	8.46	0.8	1.76	18
A	ELS6-1000-P	615 165 420 0	300 - 1000	1/4 ●	0.8 - 6	8 - 53	215	8.46	0.8	1.76	18
A	ELS8-400-P	615 165 605 0	120 - 400	1/4 ●	1.5 - 8	14 - 70	215	8.46	0.8	1.76	18
A	ELS8-400-P4S	615 165 825 0	120 - 400	1/4 ■	1.5 - 8	14 - 70	215	8.46	0.8	1.76	18
A	ELS8-800-P	615 165 421 0	300 - 800	1/4 ●	1.5 - 8	14 - 70	215	8.46	0.8	1.76	18
A	ELS12-600-P	615 165 422 0	250 - 600	1/4 ●	3 - 12	27 - 106	215	8.46	0.8	1.76	18
A	ELS12-400-P4S	615 165 826 0	120 - 400	1/4 ■	3 - 12	27 - 106	215	8.46	0.8	1.76	18
B	ELS7-360-A4S	615 165 725 0	120 - 360	1/4 ■	1.5 - 7	14 - 62	438	17.24	1.2	2.65	18
B	ELS7-880-A	615 165 628 0	400 - 880	1/4 ●	1.5 - 7	14 - 62	438	17.24	1.2	2.65	18
B	ELS15-480-A	615 165 629 0	200 - 480	3/8 ■	5 - 15	45 - 132	438	17.24	1.2	2.65	18
B	ELS15-480-A4S	615 165 839 0	200 - 480	1/4 ■	5 - 15	45 - 132	438	17.24	1.2	2.65	18
C	ELS30-300-A	615 165 630 0	100 - 300	3/8 ■	10 - 30	89 - 265	496	19.53	1.5	3.31	36
C	ELS45-180-A	615 165 631 0	50 - 180	3/8 ■	20 - 45	177 - 398	507	19.96	1.5	3.31	36
E-LIT plus - Electronic brushless motor (ELB)											
D	ELB2.5-1250-P	615 165 415 0	1250	1/4 ●	0.4 - 2.5	4 - 22	215	8.46	0.8	1.76	18
D	ELB6-900-P	616 165 416 0	900	1/4 ●	0.8 - 6	8 - 53	215	8.46	0.8	1.76	18
D	ELB6-670-P	617 165 440 0	670	1/4 ●	0.8 - 6	8 - 53	215	8.46	0.8	1.76	18
D	ELB8-670-P	618 165 417 0	670	1/4 ●	1.5 - 8	14 - 70	215	8.46	0.8	1.76	18
D	ELB12-600-P	619 165 418 0	600	1/4 ●	3 - 12	27 - 106	215	8.46	0.8	1.76	18

Battery not included in standard offering

Dimensions



Accessories

Accessories

ACCESSORY INCLUDED

	PART NUMBER
• Adjustment screwdriver	205 050 785 3

OPTIONAL ACCESSORIES

ITEM	PISTOL			PART NUMBER
	18V	18V	36V	
Battery type				
1 Li-ion battery 18V 1.3Ah - 0.35kg (0.77lb)	•	•		615 397 298 0
2 Li-ion battery 18V 2.6Ah - 0.6kg (1.32lb)	•	•		615 397 299 0
2 Li-ion battery 36V 2.6Ah - 0.6kg (1.32lb)			•	615 396 750 0
Chargers				
3 Charger for Li-ion 18V - Europe (230V)	•	•		615 397 300 0
3 Charger for Li-ion 18V - USA (120V)	•	•		615 397 301 0
3 Charger for Li-ion 18V - UK (230V)	•	•		615 397 302 0
3 Charger for Li-ion 36V - Europe (230V)			•	615 811 397 0
3 Charger for Li-ion 36V - USA (120V)			•	615 811 398 0
3 Charger for Li-ion 36V - UK (230V)			•	615 811 399 0
Cover protections				
4 Cover protection - Pistol	•			615 396 870 0
4 Cover protection - Angle head ≤15Nm		•		615 397 672 0
4 Cover protection - Angle head 30Nm			•	615 573 214 0
4 Cover protection - Angle head 45Nm			•	615 573 215 0
4 Cover protection - Angle head 60Nm			•	615 573 005 0
• Cover protection AM Housing		•	•	615 573 004 0
5 Cover protection for battery 18V 1.3Ah				615 396 871 0
5 Cover protection for battery 18V 2.6Ah / 36V 1.3Ah				615 396 872 0
Miscellaneous				
6 Speed setting module (ELS version)	•	•	•	615 396 829 0
7 Pistol tool holster	•			615 804 914 0
8 Side handle - Pistol	•			615 396 757 0
9 Suspension bail - Pistol	•			443703
10 Kit color rings - Pistol 7 colors: white, yellow, orange, green, blue, purple, grey)	•			615 396 742 5
10 Kit color rings - Angle Head 8 colors: white, yellow, orange, green, blue, purple, grey, black)		•	•	615 970 114 5
11 Special head adaptor	•			615 810 695 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



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Battery Tools - Transducerized

B-FLEX Series



PIC REF	MODEL	PART NUMBER	MAX SPEED	OUTPUT	TORQUE RANGE		LENGTH		WEIGHT WITHOUT BATTERY		VOLTAGE
			rpm	in.	Nm	in.lb	mm	in.	kg	lb	V
B-FLEX - Transducerized battery tool											
A	EAB 15-900	615 165 731 0	900	1/4 ■	3 - 15	27 - 133	471	18.54	1.55	3.42	36
A	EAB 26-560	615 165 732 0	560	3/8 ■	5 - 26	45 - 230	496	19.53	1.65	3.63	36
A	EAB 35-410	615 165 733 0	410	3/8 ■	7 - 35	62 - 309	496	19.53	1.65	3.63	36
A	EAB 45-330	615 165 734 0	330	3/8 ■	9 - 45	80 - 398	506	19.92	1.76	3.87	36
A	EAB 50-450	615 165 735 0	450	3/8 ■	9 - 50	80 - 442	546	21.50	2.04	4.49	36
A	EAB 60-370	615 165 736 0	370	3/8 ■	10 - 60	89 - 531	559	22.01	2.35	5.17	36
A	EAB 75-300	615 165 737 0	300	1/2 ■	12 - 75	107 - 663	582	22.91	2.94	6.47	36
A	EAB 95-240	615 165 738 0	230	1/2 ■	19 - 95	169 - 840	582	22.91	2.98	6.56	36

Battery not included in standard offering

Accessories

OPTIONAL ACCESSORIES



ITEM	ANGLE HEAD 36V	PART NUMBER
Battery type		
1 Li-ion Battery 36V 1.3 Ah - 0.60 kg (1.32lb)	•	615 396 750 0
Charger		
2 Charger for Li-ion 230V - Europe - 36V	•	615 811 397 0
2 Charger for Li-ion 120V - USA - 36V	•	615 811 398 0
2 Charger for Li-ion 230V - UK - 36V	•	615 811 399 0
Miscellaneous		
3 Angle head protection 15Nm	•	615 573 250 0
3 Angle head protection 26/32Nm	•	615 573 207 0
3 Angle head protection 45Nm / 50Nm	•	615 573 208 0
3 Angle head protection 60Nm	•	615 573 209 0
3 Angle head protection 75Nm / 95Nm	•	615 573 210 0
4 E-prog EAB connector	•	615 398 075 0
5 E-prog	•	615 936 099 0

Crowfoot

For HI-LOK® fasteners, HI-LITE® fasteners and other Aerospace fasteners



90° Offset head



110° Offset head

Torque reaction arm



Tools for HI-LOK® fasteners



Flush Socket tools



HI-LOK® and HI-LITE® are registered trademarks of Hi-Shear Corp.

**Contact your Desoutter representative for assistance
in specifying the correct head for your application.**

We can supply standard products or, if the application requires, we can customized a tool, complete with a drawing and parts list.

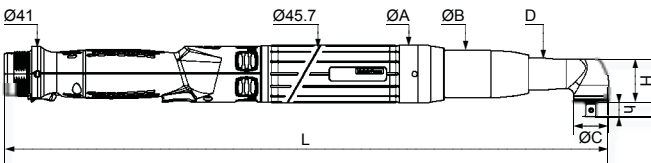
Angle head electric nutrunners

3 to 660 Nm (2.2 to 487 ft.lb)



MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE						FREE SPEED	LENGTH		WEIGHT	
			MIN.	RECOM MENDED	MAX.	MIN.	RECOM MENDED	MAX.		mm	in.	kg	lb
EAB - Transducerized tool - Low & Medium Torque													
EAD20-1300	615 165 606 0	3/8 ■	3	18	20	2.2	13	15	1300	481	19.2	1.4	3.1
EAD32-900	615 165 607 0	3/8 ■	5	30	32	3.7	22	24	900	481	19.2	1.4	3.1
EAD50-900	615 165 609 0	3/8 ■	8	45	50	5.9	33	41	900	531	20.9	1.8	4.0
EAD70-800	615 165 611 0	3/8 ■	12	65	70	8.9	48	52	800	544	21.4	2.0	4.4
EAD80-650	615 165 612 0	1/2 ■	15	75	80	11.1	55	59	650	567	22.3	2.4	5.3
EAD105-500	615 165 613 0	1/2 ■	20	90	105	14.8	66	77	500	567	22.3	2.4	5.3

Dimensions

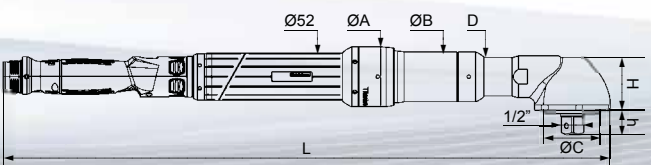


MODEL	h		H		ØA		ØB		ØC		D	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EAD20-1300	12.0	0.47	45.5	1.8	46	1.8	37	1.46	28	1.10	25	0.98
EAD32-900	12.0	0.47	45.5	1.8	46	1.8	37	1.46	28	1.10	25	0.98
EAD50-900	12.0	0.47	51.1	2.0	46	1.8	37	1.46	35	1.38	28	1.10
EAD70-800	12.0	0.47	56.7	2.2	58	2.3	43	1.69	40	1.57	32	1.26
EAD80-650	17.5	0.69	60.4	2.4	58	2.3	48	1.89	45	1.77	40	1.57
EAD105-500	17.5	0.69	60.4	2.4	58	2.3	48	1.89	45	1.77	40	1.57



MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE						FREE SPEED	LENGTH		WEIGHT	
			MIN.	RECOM MENDED	MAX.	MIN.	RECOM MENDED	MAX.		mm	in.	kg	lb
EAB - Transducerized tool - High Torque													
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	24.2

Dimensions



MODEL	h		H		ØA		ØB		ØC		D	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
EAD160-430	17.1	0.67	64.8	2.55	66	2.6	55	2.16	50	1.97	42	1.65
EAD200-370	23.0	0.91	84.9	3.34	66	2.66	55	2.16	62	2.44	42	1.65
EAD280-260	23.0	0.91	84.9	3.34	66	2.66	55	2.16	62	2.44	42	1.65
EAD280-370	23.0	0.91	84.9	3.34	70	2.76	55	2.16	62	2.44	42	1.65
EAD440-250	24.0	0.94	91.2	3.59	76	2.99	67	2.64	75	2.95	42	1.65
EAD660-160	33.1	1.30	109.5	4.31	76	2.99	67	2.64	106	4.17	42	1.65

Accessories

OPTIONAL ACCESSORIES

Cable for EAD tools



	PART NUMBER
• 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 tools



	PART NUMBER
• 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 NUMBER
• eBUS cable 1m (3.3ft)	615 917 621 0
• eBUS cable 2m (6.6ft)	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

Other Accessories



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ITEM	PART NUMBER
1 Socket tray - 4 positions	615 936 095 0
2 Operator Panel (advanced)	615 936 072 0
3 Stack Light	615 936 073 0
4 I/O Expander	615 936 074 0
• Y cable for RS232 port	615 917 620 0
5 Suspension bail - non swivelling - All tools up to EAD105	615 397 412 0
6 Suspension bail - swivelling - All tools up to EAD105	615 397 413 0
7 Second start lever	615 397 812 5
8 Handle lever	615 397 831 0
9 Telescopic output 1/2" for EAD160	615 398 076 0
9 Telescopic output 3/4" for EAD200/280	615 398 077 0
9 Telescopic output 3/4" for EAD440	615 398 078 0
9 Telescopic output 1" for EAD660	615 398 161 0
10 Angle head protection - EAD20/32	615 573 207 0
10 Angle head protection - EAD50	615 573 208 0
10 Angle head protection - EAD70	615 573 209 0
10 Angle head protection - EAD80/105	615 573 210 0
11 Finger Protection - EAD20/32	615 397 635 0
11 Finger Protection - EAD50	615 397 636 0
11 Finger Protection - EAD70	615 397 637 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



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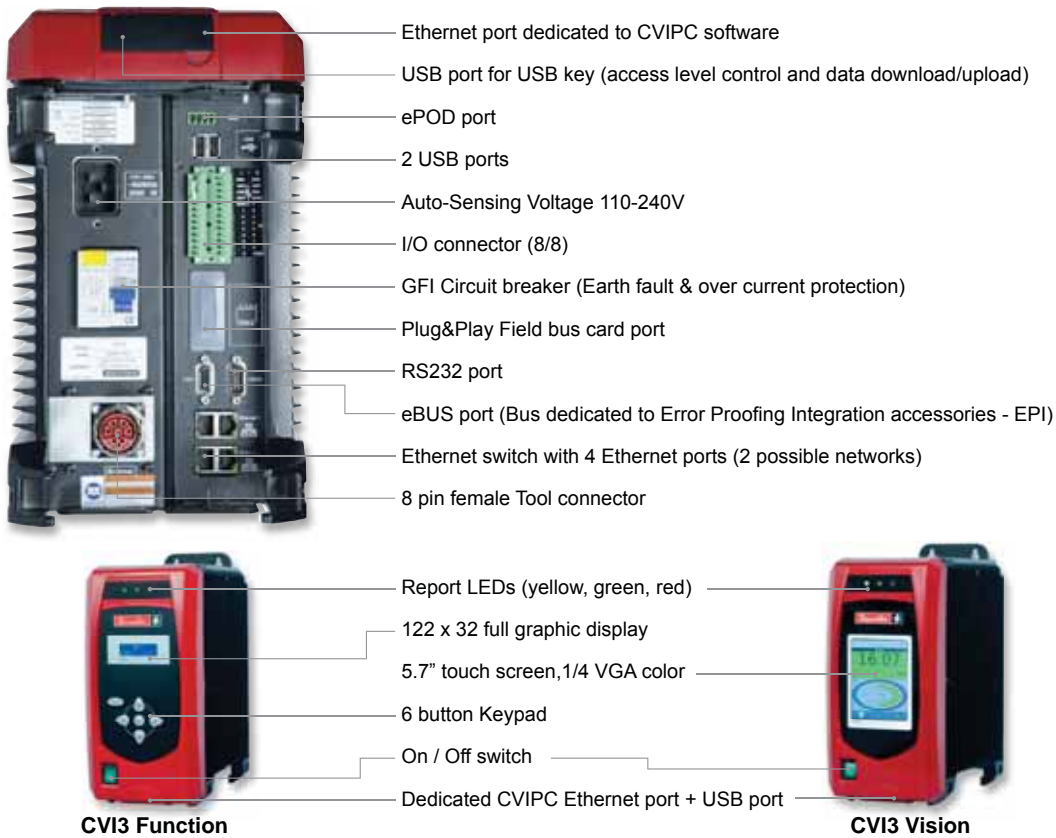


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Controllers



FEATURES	CVI3 FUNCTION	CVI3 VISION
Controllers		
Weight - kg (lbs)	9.4 (20.7)	9.5 (20.9)
Volume (dm ³)	19.5	19.5
Color touchscreen		• (5,7")
Storage		
Pset results (torque, angle, date, time, report)	10 000	10 000
Pset curves (OK/NOK)	20	20
Sequence results	1000	1000
Event log storage (number of events)	500	500
Basic Functions		
Number of Psets	250	250
Number of steps per Pset	30	30
Barcode reading (standard and 2D)	•	•
Learning mode	•	•
Quick Pset	•	•
Tubenut release	•	•
Full programming without PC		•
Advanced Functions		
Access Level Control/Management with unlimited profiles	•	•
ID input to select Sequence (up to 4 different identifiers)	•	•
Number of Sequences	250	250
1 Network/Fieldbus Access point per group of up to 6 controllers	•	•
Advanced Soft PLC (option with CVILOGIX)	•	•
Remote Programming for a group of up to 20 controllers from 1 controller		•
Full sequencing control for a group of up to 6 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
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 (Ethernet/IP, ProfiNet A/B, Modbus TCP, DeviceNet, Profibus, CC-Link)	•	•
Fieldbus dynamic memory mapping	•	•

Controllers



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

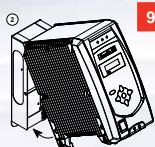
CVIMONITOR included with controller: License free remote software for realtime monitoring of results, curves, I/O status, Fieldbus diagnostic, calibration & maintenance indicators

Accessories

OPTIONAL ACCESSORIES

POWER CORD to be ordered with the controller

PLUG	DESCRIPTION	PART NUMBER
A	European	615 917 069 0
B	US	615 917 063 0
C	UK	615 917 070 0
D	Chinese	615 917 061 0



ITEM	PART NUMBER
Fieldbus modules	
1 Profibus module	615 927 595 0
2 ProfiNet module (1 port) - Class A	615 927 596 0
3 ProfiNet module (2 ports) - Class B	615 927 597 0
4 DeviceNet module	615 927 599 0
5 EtherNet IP module	615 927 594 0
6 Modbus TCP module	615 927 615 0
ePOD	
7 ePOD1	615 936 075 0
7 ePOD2	615 936 076 0
7 ePOD3	615 936 077 0
7 ePOD customer	615 936 078 0
Softwares	
• CVI ANALYZER – 1 user	615 927 696 0
• CVI ANALYZER – 5 users	615 927 697 0
• CVI ANALYZER – 25 users	615 927 698 0
• CVI CONFIG - 1 user	615 927 699 0
• CVI CONFIG - 5 users	615 927 700 0
• CVI CONFIG - 25 users	615 927 701 0
• CVINET WEB - 1 cont.	615 927 555 0
• CVINET WEB - 10 cont.	615 927 549 0
• CVINET WEB - 25 cont.	615 927 550 0
• CVINET WEB - 50 cont.	615 927 551 0
• CVINET WEB - 200 cont.	615 927 560 0
• CVIKEY (access level management on USB key)	615 927 676 0
• CVILOGIX - Basic (Basic Ladder with Function Bloc Diagrams)	615 927 606 0
• CVILOGIX - Advanced (Advanced workbench for Automation)	615 927 607 0
8 Table mounting	615 397 716 0
9 Wall mounting CVI3 Function/Vision	615 397 631 0
10 Wall mounting TWINCVI3	615 811 897 0

Measurement System



The new generation of Delta analyzer is the compact portable solution to monitor all types of production tools in just 500g. Combined with standard Desoutter DRT or DST transducers it's capable of calibrating pulse tools, electric nutrunners or torque wrenches. Divided into three models for Torque measurement only (DELTA 1D), Torque & Angle (Delta 6D) and capable of residual torque check with DWTA wrench (Delta 7D).

Display



Large color screen shows clear test results, Torque&Angle curves. Real time statistics, Tools description and Routes.

Connectivity



Ethernet and USB port for Delta QC software communication and RS232 for CVI II and CVI3 calibration or barcode reader.

Transducer



Standard Desoutter connector for digital transducers. Analog CMD and GSE transducer connection through an adapter.

Power



Li-Ion high capacity battery of 16 hours of autonomy or external power supply.

Measurement unit

Delta 1D



Torque measurement ideal for torque wrench or pulse tool test together with DRT or DST transducers. Delta 1D doesn't require any programming, it's ready to test the selected tool showing in real time Mins, Max and Average. Complete results and XLS reports are available to be exported from Delta QC Free version software.

Delta 6D



DELTA 6D reads Angle from DRT transducer, ideal to test advanced electric nutrunner T&A strategies. DELTA 6D introduces Tool and PSet and definition with Route management, Statistic (ISO, CNOMO or NF standards), Curve and serial communication to CVI controller or Barcode. SPC analysis, curve overlay and off-line programming are available in combination with Delta QC Licensed version

Delta 7D



DELTA 7D combines all DELTA 6D features with DWTA wrench communication for Residual Torque check available with Torque plus Angle strategy. Thanks to the new joint analysis strategy the Delta 7D in combination with DWTA becomes the perfect measurement instrument to characterise the real joint in the line, a key feature to:

- find real joint yield point
- set the production tightening tool with the correct torque and angle values increasing the quality in the overall production process.

	MAIN FUNCTION		
	DELTA 1D	DELTA 6D	DELTA 7D
TRANSDUCER			
Connection to DRT4, DRT5, DST	•	•	•
Connection to DWT, DWTA		•	•
Angle measurement		•	•
ON BOARD FUNCTIONALITY			
Wrench Test	•	•	•
Nutrunner Test	•	•	•
Pulse Tool Test	•	•	•
Tools	1	1000	1000
Pset		1000	1000
Integrated Statistic	Min, Max Avg	Cm, Cmk (ISO, NF and CNOMO standards)	Cm, Cmk (ISO, NF and CNOMO standards) + SPC
Quality Strategy			•
Results	1000	5000	5000
Curve		10	10
CVI autocalibration		•	•
External Barcode connectivity		•	•

MODEL	PART NUMBER	BATTERY LIFE	CHARGER	DEPTH		WIDTH		HEIGHT		WEIGHT	
		hours	volts	mm	in.	mm	in.	mm	in.	kg	lb
Delta 1D	615 935 101 0	16	110/240 V	45	1,77	95	3,74	192	7,56	0.5	1,10
Delta 6D	615 935 102 0	16	110/240 V	45	1,77	95	3,74	192	7,56	0.5	1,10
Delta 7D	615 935 103 0	16	110/240 V	45	1,77	95	3,74	192	7,56	0.5	1,10

ITEM	PART NUMBER
Delta Battery	615 936 142 0
Universal Power Supplier	615 936 143 0

ITEM	PART NUMBER
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

ITEM	PART NUMBER
GSE 2500 Adapter	615 917 674 0
GSE 8500T Adapter	615 917 675 0
GSE 8500T/A Adapter	615 917 676 0
Delta Demo Case (Empty)	615 936 140 0

ITEM	PART NUMBER
Delta QC Licensed 1 User	615 927 651 0
Delta QC Licensed 5 Users	615 927 652 0
Delta QC Advanced 1 User	615 927 653 0
Delta QC Advanced 5 Users	615 927 654 0

Check with your local Desoutter representative regarding availability on your market.

Digital Wrench Vision for Torque & Angle

The new digital wrench integrates in a unique device a flexible solution for both production and quality strategy in tightening. DWT provides high accuracy solution for torque controlled joints tightening, while the DWTA introduces a digital angle measurement for very critical applications. DWTA also introduces a quality strategy with angle measurement and traceability for a perfect quality audit.

Non Length Dependent Transducer thanks to double bridge strain gauge. To guarantee a tightening result independent from operator hand position

1% of torque accuracy along a wide range.

Standard interchangeable heads

USB Port for DELTA QC free software communication for programming 10 predefined PSet or to Export result in XLS report.

Accessories see page 85

Ergonomic keyboard to recall the predefined PSet

Backlight RGB colour display for operator guidance plus acoustic buzzer

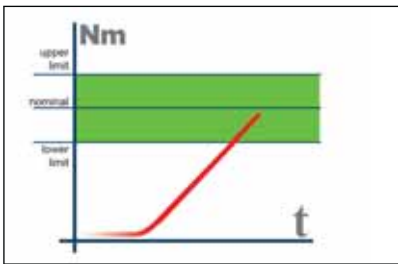
Quick exchange battery pack

3 x Standard or Rechargeable AA Batteries

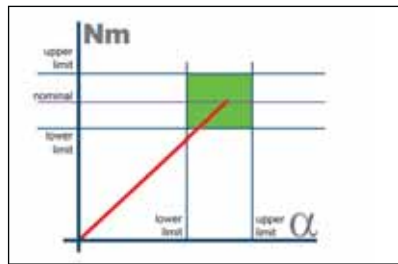
Optional gyroscope for angle measurement (DWTA VISION)



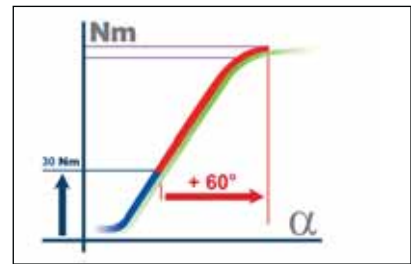
Production Strategies



Tightening within torque limits



Tightening within torque and angle limits (tightening to a window)

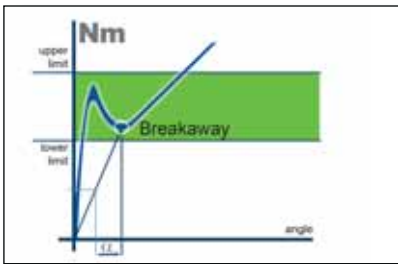


Tightening with torque and additional angle rotation (torque + angle)



- Accuracy for critical tightenings
- Production data traceability
- Wide torque range to replace click wrenches
- Repair station fastening capability
- Difficult access joints tightening
- Re-hit detection
- Low calibration cost
- Back up tool

Quality Strategies



Breakaway Torque after a predefined angle rotation (α)



Technical specifications

DESCRIPTION	
10 predefined Pset	Pset with T/A limits defined by Delta QC Software
Batch Count	Up to 99
Production Strategies	Torque/Time, Torque & Angle, Torque + Angle
Quality Audit Strategy	Peak Torque, Torque plus Angle, CW/CCW Tightenings
Torque Accuracy	1% of torque reading +/- 1 digit
Angle Accuracy	1% of angle reading +/- 1 digit
Battery	3 x AA Standard or Rechargeable
Power Autonomy	up to 4 hours

DESCRIPTION	
USB Communication	Bi-directional communication to Delta QC Software
Results	1000
RGB Display	Red Green or Blue backlight
Buzzer	Extension Torque and Angle bending correction
Multi-units	N.m, N.cm, Kgf.m, Ozf.in, Lbf.in, Lbf.ft
Autoswitch	Off
Languages	French, English, Spanish, Italian, Deutsch, Portuguese
Software	Free Delta QC software to define Pset and downloads results

MODEL	PART NUMBER	RANGE		ANGLE	DRIVE		INCLUDED RATCHET	LENGTH		WEIGHT	
		Nm	ft. lb		mm	in		mm	in	kg	lb
DWT Vision 30	615 165 755 0	3 - 30	2.21 - 22.1	no	9 x 12	0.35 x 0.47	3/8"	382	15.04	0.8	1.76
DWT Vision 150	615 165 756 0	15 - 150	11.06 - 110.6		14 x 18	0.55 x 0.71	1/2"	398	15.67	0.9	1.98
DWT Vision 800	615 165 758 0	80 - 800	59.00 - 590.0		∅ 28	1.01	1"	1358	53.46	5	11.02
DWTA Vision 30	615 165 765 0	3 - 30	2.21 - 22.1	yes	9 x 12	0.35 x 0.47	3/8"	382	15.0	0.8	1.76
DWTA Vision 150	615 165 766 0	15 - 150	11.06 - 110.6		14 x 18	0.55 x 0.71	1/2"	398	15.67	0.9	1.98
DWTA Vision 800	615 165 768 0	80 - 800	59.00 - 590.0		∅ 28	1.01	1"	1358	53.46	5	11.02

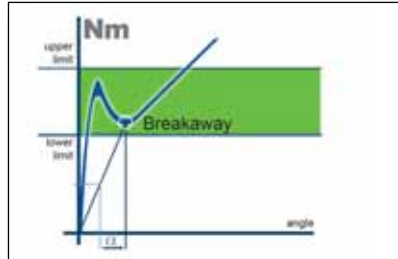
All models are supplied with plastic box including reverseable ratchet and Delta QC Free Version CD-Rom

Digital Wrench for Torque & Angle

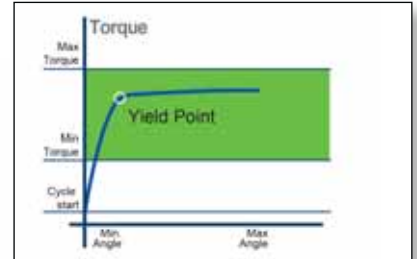
Production Strategies

In combination with Delta 7D, the new torque and angle wrench for:

- Residual torque check at predefined angle rotation
- Joint analysis with Yield point detection



Breakaway Torque after a predefined angle rotation (α)



Joint analysis



Gyroscope for angle measurement.

Non Length Dependent Transducer thanks to double bridge strain gauge. To guarantee a tightening result independent from operator hand position

1% of torque accuracy along a wide range.



Military connector for standard transducer cable



MODEL	PART NUMBER	RANGE		DRIVE		RATCHET	LENGTH		WEIGHT	
		Nm	ft. lb	mm	in.	in.	mm	in.	kg	lb
DWTA 30 Nm	615 165 760 0	3-30	2.2-22.1	9x12	0.35x0.47	3/8	404.5	15.93	0.8	1.76
DWTA 150 Nm	615 165 761 0	15-150	11.6-110.6	14x18	0.55x0.71	1/2	412.5	16.24	0.9	1.98
DWTA 800 Nm	615 165 763 0	80-800	59.0-590.0	Ø 28	1.01	1	1404	55.28	5	11.02

Digital Torque Tester

- 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 colour 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

DESCRIPTION	
Torque Transducer	Embedded
Torque Accuracy	1% of readings
Tool Testing	Torque Wrench, Nutrunner or Pulse Tools
Statistic	Min, Max, Average, Standard Deviation
Results Storage	1000

DESCRIPTION	
Multi-units	N.m, N.cm, Kg.m, Kg.cm, Oz.in, Lb.in, Lb.ft
Display	Red, Green, Blue backlight
Power Supply	External power supply
Languages	French, English, Spanish, Italian, Deutsch, Portuguese
Software	Free Delta QC Software to export by USB result

MODEL	PART NUMBER	POWER CHARGER	TORQUE RANGE		DEPTH		WIDTH		HEIGHT		WEIGHT	
			ft. lb	mm	mm	in.	mm	in.	mm	in.	kg	lb
ALPHA D1	615 935 104 0	110/240 V	0.1 - 1	0.88 - 88.5	106	4.17	180	7.09	70	2.76	0.95	2.1
ALPHA D5	615 935 105 0	110/240 V	0.5 - 5	4.42 - 44.25	106	4.17	180	7.09	70	2.76	0.95	2.1
ALPHA D16	615 935 106 0	110/240 V	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 Transducer & Accessories

Benefits of using Desoutter digital transducers:

- 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.

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.



Features

- Torque range from 0.15 to 5000 Nm (0.11 to 3685 ft.lb).
- Strain gauges transducer
 - sensitivity 2mV/V.
 - accuracy +/-0.35% full scale.
- Built-in smart chip memory with:
 - Calibration features:
 - type of transducer - sensitivity*
 - nominal load - serial number.*

TORQUE TRANSDUCERS DRT4

MODEL	PART NUMBER	TORQUE RANGE		OUTPUT
		Nm	ft.lb	in.
DRT 4 H 2	615 165 209 0	0.15-2	0.11-1.5	1/4 ●
DRT 4 H 5	615 165 210 0	0.3-5	0.22-3.7	1/4 ●
DRT 4 H 20	615 165 211 0	1.5-20	1.11-14.7	1/4 ●
DRT 4 Sq 20	615 165 212 0	1.5-20	1.11-14.7	1/4 ■
DRT 4 Sq 25	615 165 213 0	1.8-25	1.33-18.4	3/8 ■
DRT 4 Sq 75	615 165 214 0	5.0-75	3.69-55.3	3/8 ■
DRT 4 Sq 180	615 165 215 0	12.0-180	8.85-132	1/2 ■
DRT 4 Sq 500	615 165 216 0	35.0-500	25.8-368	3/4 ■
DRT 4 Sq 1400	615 165 217 0	95.0-1400	70.0-1032	1 ■
DRT 4 Sq 3000	615 165 536 0	200-3000	147-2211	1-1/2 ■
DRT 4 Sq 5000	615 165 540 0	350-5000	258-3685	1-1/2 ■

Torque & Angle Rotary Transducer



An alternative version DRT 5 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.

- Torque range from 0.15 to 1400 Nm (0.11 to 1032 ft.lb).
- Angle counting system 0.5° resolution
- Strain gauges transducer
 - sensitivity 2mV/V.
 - accuracy +/-0.35% full scale.
- Built-in smart chip memory with:
 - Calibration features:
 - type of transducer – sensitivity*
 - nominal load – serial number.*

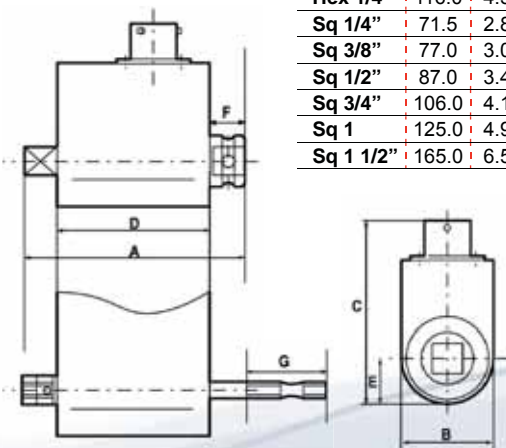
TORQUE & ANGLE TRANSDUCERS DRT5

MODEL	PART NUMBER	TORQUE RANGE		OUTPUT
		Nm	ft.lb	
DRT 5 H 2	615 165 218 0	0.15-2	0.11-1.5	1/4 ●
DRT 5 H 5	615 165 219 0	0.3-5	0.22-3.7	1/4 ●
DRT 5 H 20	615 165 220 0	1.5-20	1.11-14.7	1/4 ●
DRT 5 Sq 20	615 165 221 0	1.5-20	1.11-14.7	1/4 ■
DRT 5 Sq 25	615 165 222 0	1.8-25	1.33-18.4	3/8 ■
DRT 5 Sq 75	615 165 223 0	5.0-75	3.69-55.3	3/8 ■
DRT 5 Sq 180	615 165 224 0	12.0-180	8.85-132	1/4 ■
DRT 5 Sq 500	615 165 225 0	35.0-500	25.8-368	3/4 ■
DRT 5 Sq 1400	615 165 226 0	95.0-1400	70.0-1032	1 ■

Dimensions

Same size for torque or torque & angle transducer

OUTPUT	A		B		C		D		E		F		G	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
Hex 1/4"	116.0	4.56	31.0	1.22	71.9	2.83	56.0	2.20	15.5	0.61	39.0	1.53	25.5	1
Sq 1/4"	71.5	2.81	31.0	1.22	71.9	2.83	56.0	2.20	15.5	0.61	6.0	0.24	-	-
Sq 3/8"	77.0	3.03	31.0	1.22	71.9	2.83	56.0	2.20	15.5	0.61	8.0	0.31	-	-
Sq 1/2"	87.0	3.42	42.0	1.65	82.9	3.26	58.0	2.28	21.0	0.83	12.0	0.47	-	-
Sq 3/4"	106.0	4.17	52.0	2.05	92.9	3.66	66.0	2.60	26.0	1.02	21.0	0.83	-	-
Sq 1	125.0	4.92	65.0	2.56	104.9	4.13	73.0	2.87	32.5	1.28	29.0	1.14	-	-
Sq 1 1/2"	165.0	6.50	106	4.17	148.5	5.85	88.0	3.46	53.0	2.09	35.2	1.39	-	-

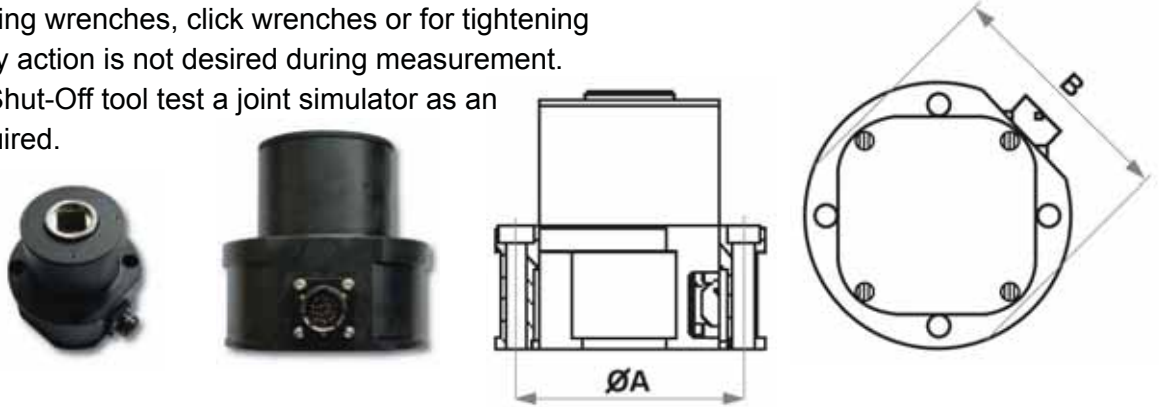


Transducer Cables

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

Static Transducer

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.



MODEL	PART NUMBER	TORQUE RANGE		SQUARE DRIVE	DIMENSIONS						WEIGHT	
		Nm	ft. lb		Ø A		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	1-1/4	133	5.24	144	5.67	12.0	26.4		

Joint simulators

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 MAX		COLOUR		DRIVE		WEIGHT	
		Nm	lb	Inside	Outside	in.	in.	kg	lb.
DJS Soft - 2	615 165 529 0	2	1.5	Yellow	Yellow	1/2 ■	1/4 ●	0.12	0.26
DJS Hard - 2	615 165 530 0	2	1.5	Yellow	Black	1/2 ■	1/4 ●	0.12	0.26
DJS Soft - 5	615 165 531 0	5	3.7	Green	Yellow	1/2 ■	1/4 ●	0.12	0.26
DJS Hard - 5	615 165 571 0	5	3.7	Green	Black	1/2 ■	1/4 ●	0.12	0.26
DJS Soft - 10	615 165 574 0	10	7.4	Red	Yellow	3/4 ■	1/4 ■	0.23	0.51
DJS Hard - 10	615 165 575 0	10	7.4	Red	Black	3/4 ■	3/8 ■	0.41	0.90
DJS Soft - 30	615 165 577 0	30	22	Blue	Yellow	3/4 ■	3/8 ■	0.41	0.90
DJS Hard - 30	615 165 579 0	30	22	Blue	Black	3/4 ■	3/8 ■	0.41	0.90
DJS Soft - 80	615 165 584 0	80	59	Purple	Yellow	1 ■	1/2 ■	0.75	1.65
DJS Hard - 80	615 165 587 0	80	59	Purple	Black	1 ■	1/2 ■	0.75	1.65
DJS Soft - 200	615 165 588 0	200	147	Grey	Yellow	1 ■	1/2 ■	0.75	1.65
DJS Hard - 200	615 165 589 0	200	147	Grey	Black	1 ■	1/2 ■	0.75	1.65
DJS Soft - 500	615 165 590 0	500	369	Black	Yellow	1-1/4 ■	1/2 ■	1.75	3.86
DJS Hard - 500	615 165 591 0	500	369	Black	Black	1-1/4 ■	3/4 ■	3.06	6.74
DJS 1000	615 165 572 0	1000	737	-	-	1-1/4 ■	1 ■	3.20	7.05

Accessories

DSA - DELTA STATIC TRANSDUCERS ACCESSORIES

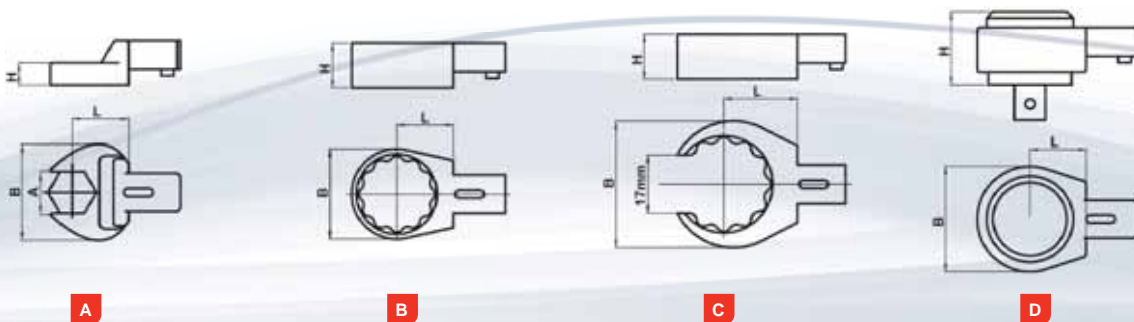
MODEL	PART NUMBER	MODEL	PART NUMBER	MODEL	PART NUMBER
Adaptor SQ 3/4" M - 1/4" F	615 397 205 0	Adaptor SQ 1-1/4" M - 1/2" F	615 397 208 0	Female 3/8" - Female 3/8"	615 397 211 0
Adaptor SQ 3/4" M - 3/8" F	615 397 206 0	Adaptor SQ 1-1/4" M - 3/4" F	615 397 209 0	Female 1/2" - Female 1/2"	615 165 573 0
Adaptor SQ 1" M - 1/2" F	615 397 207 0	Female 1/4" - Female 1/4"	615 397 210 0	Female 3/4" - Female 3/4"	615 165 576 0

Wrench Accessories



PIC REF	MODEL	PART NUMBER	DRIVE		DIMENSIONS								WEIGHT	
			mm	in.	A	B	H	L	kg	lb				
OPEN END														
A	Open End 13mm	615 397 061 0	9x12	0.03x0.47	13	0.51	30	1.18	7	0.28	17.5	0.69	0.048	0.106
A	Open End 17mm	615 397 065 0	9x12	0.03x0.47	17	0.67	38	1.50	8.5	0.33	17.5	0.69	0.060	0.132
A	Open End 22mm/0.87 in.	615 397 139 0	14x18	0.55x0.71	22	0.87	50	1.97	11	0.43	25	0.98	0.165	0.363
A	Open End 24mm/0.94 in.	615 397 140 0	14x18	0.55x0.71	24	0.94	53	2.09	12	0.47	25	0.98	0.167	0.368
RING END														
B	Ring End 17mm/0.67 in.	615 397 087 0	9x12	0.03x0.47	17	0.67	27.2	1.07	13	0.51	17.5	0.69	0.059	0.130
B	Ring End 22mm/0.87 in.	615 397 091 0	9x12	0.03x0.47	22	0.87	34.5	1.36	15	0.59	17.5	0.69	0.074	0.163
B	Ring End 22mm/0.87 in.	615 397 181 0	14x26	0.55x1.02	22	0.87	34.5	1.36	15	0.59	25	0.98	0.145	0.319
B	Ring End 24mm/0.94 in.	615 397 182 0	14x26	0.55x1.06	24	0.94	37.5	1.48	15	0.59	25	0.98	0.153	0.337
FLARED END														
C	Flared End 22mm	615 397 113 0	9x12	0.03x0.47	22	0.87	39	1.54	15	0.59	19	0.75	0.092	0.202
REVERSIBLE RATCHET														
D	Reversible Ratchet 1/4"	615 397 125 0	9x12	0.03x0.47	1/4		22	0.87	14.5	0.57	17.5	0.69	0.062	0.137
D	Reversible Ratchet 3/8"	615 397 126 0	9x12	0.03x0.47	3/8		22	0.87	14.5	0.57	17.5	0.69	0.062	0.137
D	Reversible Ratchet 1/2"	615 397 127 0	9x12	0.03x0.47	1/2		22	0.87	14.5	0.57	17.5	0.69	0.062	0.137
D	Reversible Ratchet 1/2"	615 397 200 0	14x18	0.55x0.71	1/2		50	1.97	30.7	1.21	25	0.98	0.467	1.022
D	Reversible Ratchet 3/4"	615 397 201 0	14x18	0.55x0.71	3/4		50	1.97	30.7	1.21	25	0.98	0.467	1.022
D	Reversible Ratchet 3/4"	615 397 204 0	Ø 28	-	3/4		50	1.97	30.7	1.21	25	0.98	0.467	1.022

Dimensions



Embedded transducers

Assembly tools calibration process requires a flexible and versatile solution, high quality performance even in production lines. Desoutter Tools is proud to present the Delta Cart, an ergonomic and attractive solution to improve quality in assembly processes.

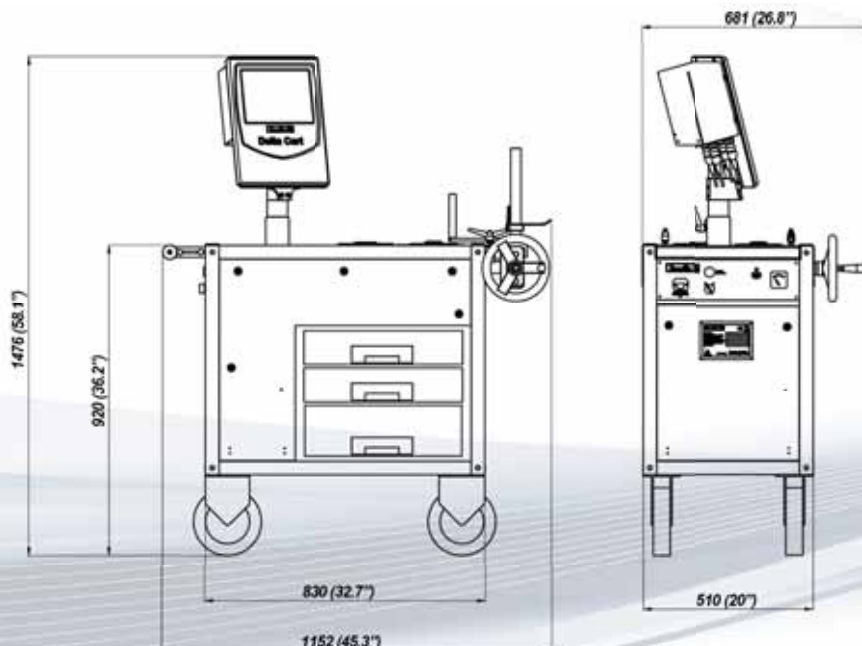
Delta Cart offers a wide torque range since it can be configured up to 4 static transducers to cover from 0.2 Nm to 1 000 Nm (0.15 to 738 ft.lb) in a very compact dimensions (510mm width), making the Delta Cart the ideal solution for tool testing in assembly production lines.



Embedded PC equipped with **wide 10.4" colour touch screen** lets operators to start tool testing in a few seconds and few steps.

Delta Cart includes all adapters, reaction bars and suitable joint simulators. Optional ISO RIG for torque wrench to eliminate operator influence during calibration, reducing efforts for high torque range.

Dimensions



Production Tool testing

The Delta Cart is able to follow your tools during the complete life span: by performing capacity test (Cm/Cmk) before tool is introduced into production, or monitoring tool performance during production assembly process by performing Statistic Process Control (SPC) test.



Electric and Pneumatic Nutrunner



Shut off and non shut off Pulse Tool



Torque wrench



Click wrench

Embedded Software



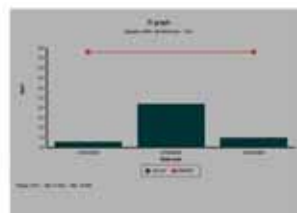
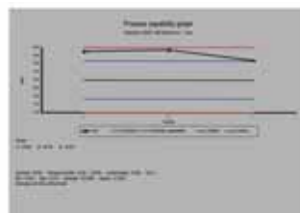
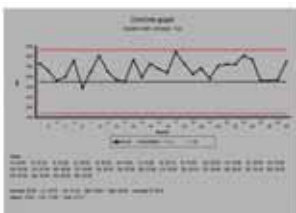
Delta Cart combines high quality heavy duty design on mechanical side with intuitive and user friendly icons based software.

Local Tool and Result database to guarantee traceability

High quality **real time curves** with zoom feature for analysis

Certificate Export

Statistic Result export to ESB in Excel format or PDF report.



Software features

DESCRIPTION

Torque Wrench, Electric or Pneumatic Nutrunner Test, Pulse Test	Local Test Database up to 3000 Tests - Setting: Nominal Min Max Torque, unit of measure, Test Id, Test Description, Transducer number, Timeout setting
Cm/Cmk - ISO 3534	Cm/Cmk, min, max, average, sigma
Statistic Control - ISO 8258	X/R Charts for trend control
Print	Report Printing through external laptop and included printing software
Export	Certificate export through USB Key
Curve	UP to 10.000 Curves
Barcode	External RS232 for V.I.N. operator code
Configurable for each test	N.m - g.cm - Kg.cm - kg.m - oz.in - lb.in - lb.ft
Password Management	Operator - Supervisor - SuperUser
Languages	English, French, Italian, German, Spanish, Polish, Swedish

Delta QC Software

The new Delta QC software is the common software platform for all Delta QC measurement equipment. Included features are programming, results and curve viewer ensuring production data traceability. Statistic machine capability tool or SPC are also ensured thanks to local database available in the Advanced version.

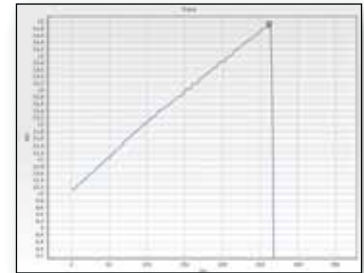
MODEL	PART NUMBER
Delta QC Licensed 1 User	615 927 651 0
Delta QC Licensed 5 Users	615 927 652 0
Delta QC Advanced 1 User	615 927 653 0
Delta QC Advanced 5 Users	615 927 654 0

PSet, Tool and Route
online or offline
programming



Licensed

Result and Curve Viewer,
Excel EXPORT
and PRINTING



	MAIN FUNCTION		
	FREE	LICENSED	ADVANCED
Delta D			
Pset programming		•	•
Tool Definition		•	•
Route Definition		•	•
Transducer Definition		•	•
Pset Database		•	•
Tool Database		•	•
Route Database		•	•
Statistic		• (online only)	• 1000
Result viewer	•	•	•
Result excel export	•	•	•
Curve viewer		•	•
Curve excel, JPEG export		•	•
Curve comparison		•	•
RESULT Database			•
Curve Database			•
Offline statistic			•

Advanced

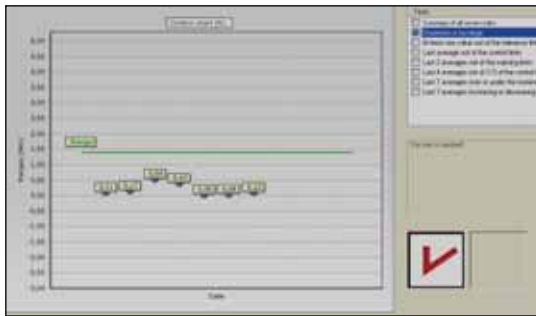
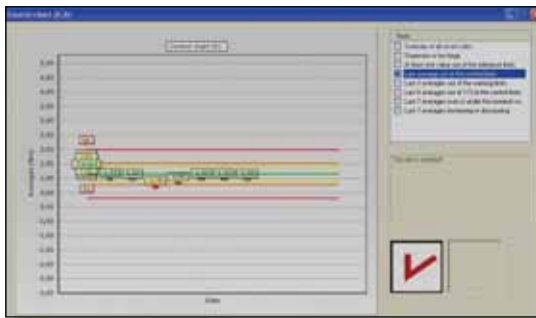


Advanced version provides a local result database. All results, curves and statistics are available for review, export and reporting in both on line and off line mode.

Local Database



STATISTIC MANAGEMENT



	MAIN FUNCTION		
	FREE	LICENSED	ADVANCED
DWTA Vision			
Pset programming	•	•	•
Result viewer	•	•	•
Result excel export	•	•	•
Result Database			•

Free Version

DWT Vision and Alpha D product range are supplied with the Delta QC software. Without any registration the Delta QC is able to program DWT Vision and Alpha D, download results, export to excel and print.

	MAIN FUNCTION		
	FREE	LICENSED	ADVANCED
Alpha D			
Result viewer	•	•	•
Result excel export	•	•	•
Curve Viewer		•	•

Vibration level (m/s²) - Noise level (dB(A))

MODEL	VIBRATION LEVEL (3 axes value) ISO 28927-4 m/s ²		NOISE LEVEL	SOUND LEVEL
	a	K	ISO 15744 dB(A)	dB(A)
Angle Drills				
DR300-T5500-T5-30	2.6	1.8	75	
DR300-T4500-T5-30	2.6	1.4	75	
DR300-T3000-T5-30	<2.5	-	75	
DR300-T2000-T5-30	2.6	1.0	75	
DR300-T1000-T5-30	<2.5	-	75	
DR300-T5500-T5-45	<2.5	-	75	
DR300-T4500-T5-45	<2.5	-	75	
DR300-T3000-T5-45	<2.5	-	75	
DR300-T2000-T5-45	<2.5	-	75	
DR300-T1000-T5-45	<2.5	-	75	
DR300-T550-T5-45	<2.5	-	75	
DR300-T5500-T5-90	<2.5	-	75	
DR300-T4500-T5-90	<2.5	-	75	
DR300-T3000-T5-90	<2.5	-	75	
DR300-T2000-T5-90	<2.5	-	75	
DR300-T1000-T5-90	<2.5	-	75	
DR300-T5500-T5-360	<2.5	-	75	
DR300-T4500-T5-360	<2.5	-	75	
DR300-T3000-T5-360	<2.5	-	75	
DR300-T2000-T5-360	<2.5	-	75	
DR300-T1000-T5-360	<2.5	-	75	
DR300-T5500-S5-30	2.6	1.8	75	
DR300-T4500-S5-30	2.6	1.4	75	
DR300-T3000-S5-30	<2.5	-	75	
DR300-T2000-S5-30	2.6	1.0	75	
DR300-T1000-S5-30	<2.5	-	75	
DR300-T5500-S5-45	<2.5	-	75	
DR300-T4500-S5-45	<2.5	-	75	
DR300-T3000-S5-45	<2.5	-	75	
DR300-T2000-S5-45	<2.5	-	75	
DR300-T1000-S5-45	<2.5	-	75	
DR300-T550-S5-45	<2.5	-	75	
DR300-T5500-S5-90	<2.5	-	75	
DR300-T4500-S5-90	<2.5	-	75	
DR300-T3000-S5-90	<2.5	-	75	
DR300-T2000-S5-90	<2.5	-	75	
DR300-T1000-S5-90	<2.5	-	75	
DR300-T5500-S5-360	<2.5	-	75	
DR300-T4500-S5-360	<2.5	-	75	
DR300-T3000-S5-360	<2.5	-	75	
DR300-T2000-S5-360	<2.5	-	75	
DR300-T1000-S5-360	<2.5	-	75	
DR300-T5500-T6-90	<2.5	-	75	
DR300-T4500-T6-90	<2.5	-	75	
DR300-T3000-T6-90	<2.5	-	75	
DR300-T2000-T6-90	<2.5	-	75	
DR300-T1000-T6-90	<2.5	-	75	
DR300-T550-T6-90	<2.5	-	75	
DR300-T5500-T6-360	<2.5	-	75	
DR300-T4500-T6-360	<2.5	-	75	
DR300-T3000-T6-360	<2.5	-	75	
DR300-T2000-T6-360	<2.5	-	75	
DR300-T1000-T6-360	<2.5	-	75	
DR300-T550-T6-360	<2.5	-	75	
DR300-T5500-S6-90	<2.5	-	75	
DR300-T4500-S6-90	<2.5	-	75	
DR300-T3000-S6-90	<2.5	-	75	
DR300-T2000-S6-90	<2.5	-	75	
DR300-T1000-S6-90	<2.5	-	75	
DR300-T550-S6-90	<2.5	-	75	
DR300-T5500-S6-360	<2.5	-	75	
DR300-T4500-S6-360	<2.5	-	75	
DR300-T3000-S6-360	<2.5	-	75	
DR300-T2000-S6-360	<2.5	-	75	
DR300-T1000-S6-360	<2.5	-	75	
DR300-T550-S6-360	<2.5	-	75	
Multi-Drills				
DR350-P5500-QR	<2.5	-	75	
DR350-P3000-QR	<2.5	-	75	
DR350-P1000-QR	<2.5	-	75	
DR300-T5500-QR	<2.5	-	75	
DR300-T4500-QR	<2.5	-	75	
DR300-T3000-QR	<2.5	-	75	
DR300-T2000-QR	<2.5	-	75	
DR300-T1000-QR	<2.5	-	75	
DR300-T550-QR	<2.5	-	75	
Pistol Grip Drills				
DR350-P20000	<2.5	-	77	
DR350-P5500	<2.5	-	77	
DR350-P4500	<2.5	-	77	
DR350-P3000	<2.5	-	77	
DR350-P2000	<2.5	-	77	
DR350-P1000	<2.5	-	77	
DR350-P550	<2.5	-	77	
DR500-P18500	<2.5	-	75	
DR500-P5800	<2.5	-	75	
DR500-P4300	<2.5	-	75	
DR500-P2700	2.6	1.6	75	
DR500-P1800	<2.5	-	75	
DR500-P1400	<2.5	-	75	
DR500-P1000	<2.5	-	75	
DR500-P600	<2.5	-	75	
DR500-P400	<2.5	-	75	
DR750-P20000	<2.5	-	81	
DR750-P6000	<2.5	-	81	

MODEL	VIBRATION LEVEL (3 axes value) ISO 28927-4 m/s ²		NOISE LEVEL	SOUND LEVEL
	a	K	ISO 15744 dB(A)	dB(A)
Pistol Grip Drills (suite)				
DR750-P4100	<2.5	-	81	
DR750-P3300	<2.5	-	81	
DR750-P2700	<2.5	-	81	
DR750-P1300	<2.5	-	81	
DR750-P750	<2.5	-	81	
DR750-P400	<2.5	-	81	
Straight Grip Drills				
DR300-T20000	<2.5	-	75	
DR300-T5500	<2.5	-	75	
DR300-T4500	<2.5	-	75	
DR300-T3000	<2.5	-	75	
DR300-T2000	<2.5	-	75	
DR300-T1000	<2.5	-	75	
DR300-T550	<2.5	-	75	
Rivet Shaver				
D156-P20000	<2.5	-	78	
Tappers				
D16-P-750	<2.5	-	78	
D16-P-450	<2.5	-	78	
Rack Feed Drills				
RFD-100-2800	<2.5	-	88	99
RFD-100-1850	<2.5	-	88	99
RFD-100-800	<2.5	-	88	99
RFD-100-500	<2.5	-	88	99
RFD-100-330	<2.5	-	88	99
RFD-100-140	<2.5	-	88	99
RFDT-125-800	<2.5	-	88	99
RFDT-125-500	<2.5	-	88	99
RFDT-125-330	<2.5	-	88	99
RFDT-125-140	<2.5	-	88	99
RFDT-125-85	<2.5	-	88	99
RFDT-125-60	<2.5	-	88	99
Riveting Hammers				
CP4444-RURAB	18.9	9.1	94	105
CP4444-RUSAB	13.9	5.7	94	105
CP4444-RUTAB	28.8	10.2	99	111
CP4447-RUTAB	12.6	4.5	92	103
CP4447-RUVAB	10.0	4.8	92	103
CP4447-RUSAB	14.3	4.7	96	107
CP4450-2	10.2	5.4	94	105
CP4450-3	10.1	4.2	94	105
CP4450-4	12.0	6.5	94	105
CP4475-3	14.5	6.5	95	106
CP4475-4	11.1	4.7	95	106
CP4475-6	7.4	3.2	95	106
Riveting Squeezers				
CP0214ANBEL	<2.5	-	90	101
CP0214CELEL	<2.5	-	90	101
CP0214FALEL	<2.5	-	90	101
CP0214ENFEL	<2.5	-	96	107
CP0214ENGEL	<2.5	-	90	101
CP0214ANFEL	<2.5	-	90	101
CP0214ANGEL	<2.5	-	90	101
CP0214ENBEL	<2.5	-	96	107
CP0214SETEL	<2.5	-	90	101
CP0214KETEL	<2.5	-	90	101
CP0351ASKEL	<2.5	-	96	107
CP0351ASGEL	<2.5	-	96	107
CP0351CUDEL	<2.5	-	96	107
CP0351ASVEL	<2.5	-	96	107
CP0351ESGEL	<2.5	-	96	107
CP0351ESKEL	<2.5	-	96	107
CP0351ESREL	<2.5	-	96	107
CP0351ESVEL	<2.5	-	96	107
CP0351FUDEL	<2.5	-	96	107
Straight Grinders				
KC1600-T	<2.5	-	71	
KC1600	<2.5	-	71	
KC06100	<2.5	-	71	
K340-7	<2.5	-	78	
K331-7	<2.5	-	80	
K325-7	<2.5	-	74	
K320-7	<2.5	-	75	
KC340-7	2.8	1.4	77	
KC331-7	2.8	2.0	77	
KC325-7	<2.5	-	78	
KC320-7	<2.5	-	74	
K628-7	<2.5	-	85	
K624-7	2.6	1.5	81	
K619-7	<2.5	-	76	
K615-7	<2.5	-	76	
KC615-7	<2.5	-	74	
KC619-7	<2.5	-	74	
KC624-7	<2.5	-	82	
KC628-7	<2.5	-	85	
K922-7	<2.5	-	81	
K918-7	<2.5	-	80	
K915-7	<2.5	-	81	
K912-7	<2.5	-	76	
K340-9	4.3	2.1	78	
K331-9	2.2	0.9	80	
K325-9	2.8	1.2	74	
K320-9	2.4	1.2	75	
KC340-9	3.9	1.8	77	
KC331-9	3.4	1.5	77	

MODEL	VIBRATION LEVEL (3 axes value) ISO 28927-4 m/s ²		NOISE LEVEL	SOUND LEVEL
	a	K	ISO 15744 dB(A)	ISO 15744 dB(A)
Straight Grinders (suite)				
KC325-9	3.0	1.4	78	
KC320-9	3.1	1.9	74	
KC318-9	3.4	1.5	72	
K624-9	<2.5	-	81	
K619-9	<2.5	-	76	
K615-9	2.5	-	76	
KC628-9	<2.5	-	85	
KC624-9	<2.5	-	82	
KC619-9	3.1	1.8	74	
KC615-9	3.4	2.0	74	
KC624-9RT	<2.5	-	82	
K922-9	<2.5	-	81	
K918-9	<2.5	-	80	
K915-9	<2.5	-	81	
K912-9	<2.5	-	76	
Angle grinders				
KA320E7	5.1	2.3	80	
KA312E7	3.4	1.4	77	
KA320-7	4.7	2.4	78	
KA312-7	2.9	0.9	75	
KA320E9	5.7	3.0	80	
KA312E9	3.5	1.8	77	
KA320-9	4.3	2.1	78	
KA318-9	4.1	2.1	77	
KA312-9	3.2	2.0	75	
KA309-9	2.8	1.6	76	
KA320-9FE	4.3	2.1	80	
KA312-9FE	3.2	2.0	78	
Angle Sanders				
KA320EG	3.6	4.0	77	
KA312EG	2.7	5.8		
KA320G	2.8	6.5	77	
KA318G	<2.5	-	77	
KA312G	<2.5	-	77	
KA309G	<2.5	-	76	
KA309C	8.2		76	
KA16135C4S	4.8	3.6	85	
KA16120A	2.9	1.5	85	
KA16120B	2.9	1.5	85	
KA16085A	3.4	1.7	80	
KA16085B	3.4	1.7	80	
KA16075A	3.3	1.6	79	
KA16075B	3.3	1.6	79	
KA16060A	3.3	1.6	77	
KA16060B	3.3	1.6	77	
KA16120BY	2.9	1.5	86	
KA16075BY	3.3	1.6	78	
KA16060BY	3.3	1.6	76	
Random Orbital Sanders				
SXRA50	4.7	2.4	76	
SXRA60	5.0	2.3	76	
SXRB50	4.3	2.5	76	
SXRB60	3.4	1.3	76	
SXRC60	3.4	1.3	76	
SXRA50C	3.2	1.4	78	
SXRA60C	3.2	1.4	78	
SXRB50C	3.9	1.4	78	
SXRB60C	5.7	2.9	78	
SXRC60C	5.7	2.9	78	
SXRA50V	3.2	1.4	85	
SXRA60V	4.6	2.9	85	
SXRB50V	3.2	1.7	85	
SXRB60V	4.4	1.5	85	
SXRC60V	4.4	1.5	85	
SXRB60H	5.1	2.5	76	
SXRC60H	5.1	2.5	76	
SXRB60HC	4.4	1.9	78	
SXRC60HC	4.4	1.9	78	
SXRB60HV	5.6	1.9	85	
SXRC60HV	5.6	1.9	85	
Screwdrivers- Straight Grip				
SC021-L2000-S90A4S	<2.5	-	73	
SC021-L1400-S90A4S	<2.5	-	73	
SC043-L950-S90A4S	<2.5	-	73	
SC047-L500-S90A4S	<2.5	-	73	
SC021-L2200-S45A4S	<2.5	-	73	
SC021-L1500-S45A4S	<2.5	-	73	
SC043-L1050-S45A4S	<2.5	-	73	
SC047-L520-S45A4S	<2.5	-	73	
SC021-L2200-S45A4H	<2.5	-	73	
SC021-L1500-S45A4H	<2.5	-	73	
SC043-L1050-S45A4H	<2.5	-	73	
SC047-L520-S45A4H	<2.5	-	73	
SC021-L2000-S90A4H	<2.5	-	73	
SC021-L1400-S90A4H	<2.5	-	73	
SC043-L950-S90A4H	<2.5	-	73	
SC047-L500-S90A4H	<2.5	-	73	
SD070-LB1100-S90-A4H	<2.5	-	73	
SD070-LR820-S90-A4H	<2.5	-	73	
SD070-LR510-S90-A4H	<2.5	-	73	
SD070-LR320-S90-A4H	<2.5	-	73	
SD070-LR1100-S90-A4S	<2.5	-	73	
SD070-LB820-S90-A4S	<2.5	-	73	
SD070-LR510-S90-A4S	<2.5	-	73	
SD070-LR320-S90-A4S	<2.5	-	73	

MODEL	VIBRATION LEVEL (3 axes value) ISO 28927-4 m/s ²		NOISE LEVEL	SOUND LEVEL
	a	K	ISO 15744 dB(A)	ISO 15744 dB(A)
Screwdrivers- Straight Grip (suite)				
SD070-LR170-S90-A4S	<2.5	-	73	
SD072-LB1080-S90-A10S	<2.5	-	73	
SD095-LR800-S90-A10S	<2.5	-	73	
SD130-LR600-S90-A10S	<2.5	-	73	
SD209-LR370-S90-A10S	<2.5	-	73	
SD300-LR250-S90-A10S	<2.5	-	73	
SD300-LR180-S90-A10S	<2.5	-	73	
Screwdrivers- Pistol Grip				
SBP021-T2300-S4Q	<2.5	-	73	
SBP021-T1600-S4Q	<2.5	-	73	
SBP043-T1100-S4Q	<2.5	-	73	
SBP047-T550-S4Q	<2.5	-	73	
SBP021-T2300-S4Q	<2.5	-	73	
SBP021-T1600-S4Q	<2.5	-	73	
SBP043-T1100-S4Q	<2.5	-	73	
SBP044-T740-S4Q	<2.5	-	73	
SCBP047-T550-S4Q	<2.5	-	73	
SCP021-T2300-S4Q	<2.5	-	73	
SCP021-T1600-S4Q	<2.5	-	73	
SCP043-T1100-S4Q	<2.5	-	73	
SCP047-T550-S4Q	<2.5	-	73	
SDP023-T3400-S4Q	<2.5	-	75	
SDP035-T2100-S4Q	<2.5	-	75	
SDP055-T1400-S4Q	<2.5	-	75	
SDP075-T1050-S4Q	<2.5	-	75	
SDP100-T780-S4Q	<2.5	-	75	
SDP140-T490-S4Q	<2.5	-	75	
SDP160-T300-S4Q	<2.5	-	75	
SDP045-T180-S4Q	<2.5	-	75	
SDT023-T3500-S4Q	<2.5	-	75	
SDT035-T2200-S4Q	<2.5	-	75	
SDT035-T1100-S4Q	<2.5	-	75	
SDT055-T1470-S4Q	<2.5	-	75	
SDT075-T1100-S4Q	<2.5	-	75	
SDT100-T820-S4Q	<2.5	-	75	
SDT140-T510-S4Q	<2.5	-	75	
SDT160-T320-S4Q	<2.5	-	75	
SCPT021-A2300-S4Q	<2.5	-	73	
SCPT021-A1600-S4Q	<2.5	-	73	
SCPT043-A1100-S4Q	<2.5	-	73	
SCPT047-A550-S4Q	<2.5	-	73	
Nutrunners				
SH70-LR1100-S90-A4S	<2.5	-	80	
SH150-LR850-S90-A10S	<2.5	-	80	
SH200-LR550-S90-A10S	<2.5	-	80	
SH280-LR350-S90-A10S	<2.5	-	80	
SH280-LR80-S90-A10S	<2.5	-	80	
SH420-LR400-S90-A10S	<2.5	-	80	
SH500-LR330-S90-A13S	<2.5	-	80	
SH700-LR225-S90-A13S	<2.5	-	80	
SH850-LR190-S90-A13S	<2.5	-	80	
SH1200-LR215-S90-A13S	<2.5	-	80	
SH2000-LR100-S90-A13S	<2.5	-	80	
Battery Tools				
ELS2.5-1550-P	<2.5	-	<70	
ELS6-1000-P	<2.5	-	<70	
ELS8-400-	<2.5	-	<70	
ELS8-400-P4S	<2.5	-	<70	
ELS8-800-P	<2.5	-	<70	
ELS12-600-P	<2.5	-	<70	
ELS12-400-P4S	<2.5	-	<70	
ELS7-360-A4S	<2.5	-	<70	
ELS7-880-A	<2.5	-	<70	
ELS15-480-A	<2.5	-	<70	
ELS15-480-A4S	<2.5	-	<70	
ELS30-300-A	<2.5	-	<70	
ELS45-180-A	<2.5	-	<70	
ELB2.5-1250-P	<2.5	-	<70	
ELB6-900-P	<2.5	-	<70	
ELB6-670-P	<2.5	-	<70	
ELB8-670-P	<2.5	-	<70	
ELB12-600-P	<2.5	-	<70	
Battery Tools - Transducerized				
EAB 15-900	<2.5	-	<70	
EAB 26-560	<2.5	-	<70	
EAB 35-410	<2.5	-	<70	
EAB 45-330	<2.5	-	<70	
EAB 50-450	<2.5	-	<70	
EAB 60-370	<2.5	-	<70	
EAB 75-300	<2.5	-	<70	
EAB 95-240	<2.5	-	<70	
Electric Nutrunners				
EAD20-1300	<2.5	-	<70	
EAD32-900	<2.5	-	<70	
EAD50-900	<2.5	-	<70	
EAD70-800	<2.5	-	<70	
EAD80-650	<2.5	-	<70	
EAD105-500	<2.5	-	<70	
EAD160-430	<2.5	-	<70	
EAD200-370	<2.5	-	<70	
EAD280-260	<2.5	-	<70	
EAD280-370	<2.5	-	<70	
EAD440-250	<2.5	-	<70	
EAD660-160	<2.5	-	<70	

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July 2012, Issue 2