



*Atlas Copco*

**Handheld tools  
facts book**

## Reliable, ergonomic and safe handheld tools

At Atlas Copco, we know the tools of the trade when it comes to designing construction equipment. Ergonomic, easy to handle and reliable, they will be your best friend for heavy-duty construction work.



Try our HAPS™ enabled machines and you'll feel the difference. HAPS™ stands for "Hand and Arm Protection Systems", an innovation that minimizes the impact of vibrations on the operator. We make sure every product is well-balanced and comfortable to handle. With an HAPS enabled machine, you can work up to six times longer every day. Imagine what you can do with that time...



Demolition work can get dusty, but with our dust collector operators are protected against silica particles. Atlas Copco's pneumatic dust collectors use vacuum technology to efficiently remove dust directly at the source and keep the silica dust level on your construction site below the permissible exposure limit. They work indoors as well as outdoors.



Precision engineering, top-quality materials and modern engines with low fuel consumption and fewer emissions: Atlas Copco breaks the mold for long-lasting equipment. In the case of our handheld tools, less parts means fuss-free products, low lifecycle costs and a high trade-in value. With their solid bodies, our tools handle whatever force you throw at them. Reliable and powerful equipment, but also excellent service whenever and wherever you need it, we'll make sure that at the end of the day, you got your job done.



Swap tools in no time thanks to the quick kick latch (on selected models), or just unscrew the tool. Of course all our working tools are interchangeable between various models. The versatility of our breakers and hammers allows for fast tool changes and less inventory.

# Always the right tool for the job

## Pneumatic tools:

- Ergonomic best-in-class
- The best possible power-to-weight ratio
- Versatile: a tool for every application
- One compressor can power several tools
- Lowest total cost of ownership

## Petrol-driven tools:

- Fully autonomous
- Ideal for remote locations and disaster areas

## Hydraulic tools:

- Ideal when space is limited
- Compact and fast set-up

Do you have to use the tool for longer than 1 hour a day?

NO

Do you have other pneumatic tools on site?

NO

Are you working in a remote location without power supply?

NO

Do you have to work in a cramped space?

YES

YES

YES

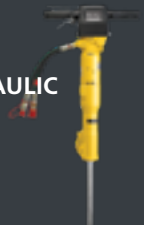
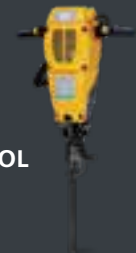
YES

PNEUMATIC

PETROL

HYDRAULIC

NO – just give me the latest innovation



# Handheld pneumatic tools



## Handheld pneumatic tools

Our pneumatic tools are ergonomically best in class and have an excellent power-to-weight ratio, making them suitable for various construction applications.

### Solid Body concept

The one-piece machine body means fewer parts. This will help to increase reliability. The concept also gives a low centre of gravity to our breakers and thus a good balance of the product.

### HAPS™ system

By reducing the in-use vibration value of the machine, our HAPS™ system helps to decrease the negative effects of harmful vibration at a given trigger time.

### Highly efficient silencer

The wear-resistant polyurethane silencer cuts the noise emission by up to 75% (as compared to the same machine without noise reduction, ISO 2000/14/EC).

### SOFSTART™ trigger

The two-step trigger gives the operator full control when starting a cut – even under difficult conditions. Available with selected tools only.

### Air cushioned piston

To reduce vibration and wear, the piston turns on air-cushions at either end of the cylinder. When working off-load, this practically eliminates metal-to-metal contact.

### Rotating air inlet swivel

Easy handling of the tool, even when pressurized. Available with selected tools only.

### Integrated lubricator

Helps to minimize tool wear and is excellent for cold conditions, when it can be used for anti-freeze, such as our Breaker and Hammer AIR-OIL. It holds enough lubricant for an entire shift of normal work. Available with selected tools only.



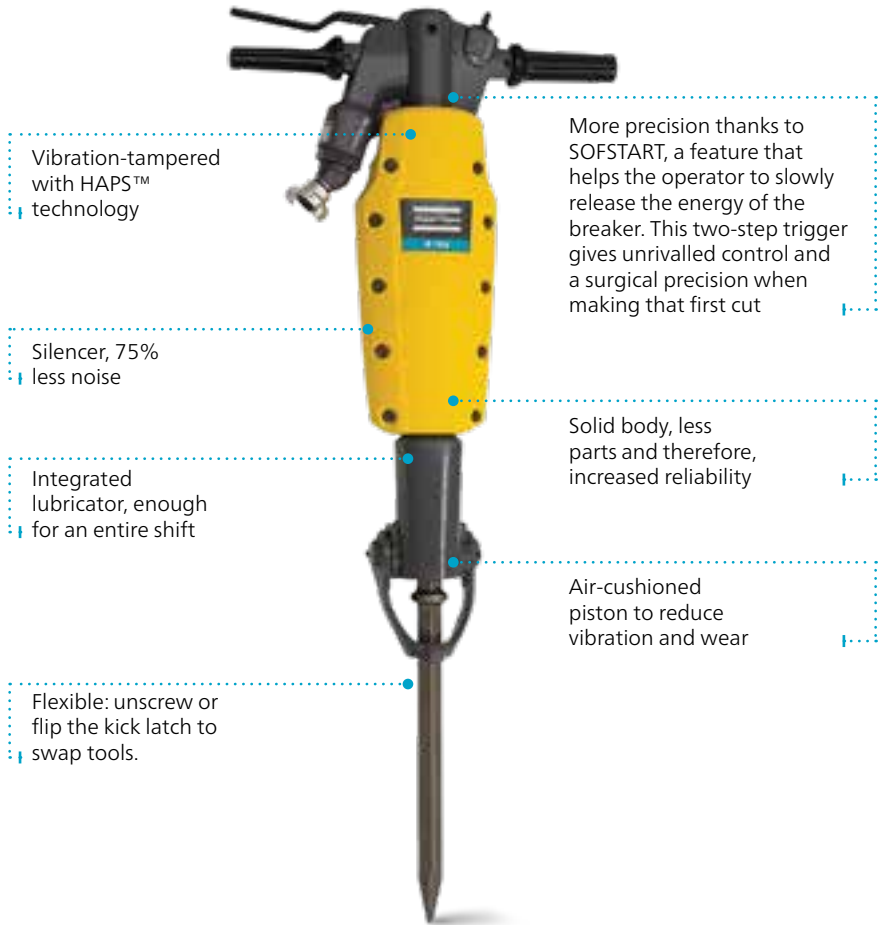
## Handheld pneumatic tools

A workman with an Atlas Copco machine will never have to blame his tools. Our pneumatic breakers and hammers are designed to get more work done in a day. HAPS™ technology dampens vibrations and the tool's single casting design means fewer parts, less fuss. Try an Atlas Copco pneumatic breaker or hammer and you'll feel the difference: our well-balanced pneumatic tools offer excellent ergonomics.



### The two-tooler: downsize for savings

Energy-efficient handheld tools allow you to downsize your compressor, or to run several breakers on the same compressor.



# Tools - Compressor sizing guide

## Need to get a lot of work done?

One compressor can often run several pneumatic tools at once. The RTEX even has double the breaking capacity per liter of compressed air compared to a conventional breaker. This means

you need a compressor half the size as previously, or you can double up your breakers from the same power source, all at no additional cost.



		Tools Model		TEX 05	TEX 09	TEX 12	TEX 150	TEX 190	RTEX 25	TEX 230	TEX 280	TEX 33	TEX 40	
		Weight in kg		6,3	10,5	12	19	23	25	25,5	31,5	37	42	
		Air consumption at 6 bar		m³/min	0,6	1,0	1,2	1,5	1,6	1,1	1,8	1,9	2,0	2,4
				l/s	10	17	20	25	26	18	30	32	34	40
				cfm	21	36	42	53	55	38	64	68	72	85
8 Series Compressor Model	Max Pressure output from compressor	Free Air delivery of compressor												
	Bar	m³/min	cfm											
XAS 38 Kd	7	2	70	3	1	1	1	1	1	1	1	0	0	
XAS 48 Kd	7	2,5	90	4	2	2	1	1	2	1	1	1	1	
XAS 58 Kd	7	3	106	5	2	2	2	1	2	1	1	1	1	
XAS 68 Kd	7	3,5	125	5	3	2	2	2	3	1	1	1	1	
XAS 78 Kd	7	4,5	160	7	4	3	3	2	4	2	2	2	1	
XAS 88 Kd	7	5	175	8	4	4	3	3	4	2	2	2	2	

# Vibro-reduced pneumatic hammers

## Applications depending on weight class:

- Light duty chipping and scaling work
- Renovation and conversion work
- Demolition
- Kiln stripping

## Features:

- Full canopy vibro-reduction (TEX 05, 07, 09 and 12)
- Noise-reduction
- SOFSTART™ two-step trigger
- HAPS™ Hand and Arm Protection System
- Air cushioned piston (TEX 05, 07, 09 and 12)
- Easy handling and positioning



Pneumatic hammers		TEX 05PE <sup>1</sup>	TEX 07PE	TEX 09PE <sup>1,2</sup>	TEX 12PE <sup>1,2</sup>
Weight	kg	6,5	8,7	10,5	12
Length	mm	450	525	560	590
Air consumption	l/s	10	17	17	20
Impact rate	blows/min	2640	1770	1800	1620
Vibration level 3 axes (ISO 28927-10)	m/s <sup>2</sup>	2,4	12,4	4,2	4,0
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	105	104	105	105
Sound pressure level (ISO 11203)	Lp, r=1m	87	87	93	93
Tool retainer		cap	cap	latch	latch
Shank size HEX	mm	19x50	19x50	22x82,5	22x82,5
Part number (HEX shank)		8461 0219 10	8461 0209 20	8461 0211 35	8461 0211 38
Shank size round shank	mm	-	-	25x75	25x75
Part number (R)		-	-	8461 0211 36	8461 0211 39

Data at 6 bar (90 psi) air pressure

PE: silenced, vibro-reduced

Suitable couplings:

TEX 05PE	Atlas Copco Standard	9000 0305 00
TEX 09 & 12	Atlas Copco Standard	9000 0306 00
	Atlas Copco Standard with strainer	9000 0306 01
	US standard	9001 0005 06

<sup>1</sup>) Claw couplings not included in delivery of TEX 05, 07, 09 and 12.

<sup>2</sup>) Front side handle included

# Standard pneumatic hammers

## Applications depending on weight class:

- Light-duty chipping and scaling work
- Renovation and conversion work
- Demolition

## Features:

- SOFSTART™ two-step trigger (selected models)
- Noise-reduction
- Air cushioned piston

Pneumatic hammers		TEX 02	TEX 03PS <sup>2</sup>	TEX 05P <sup>1,2</sup>	TEX 09 PS KL	TEX 09 PS	TEX 10 PS KL	TEX 10 PS	TEX 12 PS KL	TEX 12 PS
Weight	kg	2,5	4,0	5,5	12	10	10,5	10	12,5	10,5
Length	mm	273	300	380	500	500	500	520	545	550
Air consumption	l/s	7	6,9	9,5	18,5	18,5	17	17	21,3	21,3
Impact rate	blows/min	3000	4140	2760	1800	1800	1350	1350	1600	1600
Vibration level 3 axes (ISO 28927-10)	m/s <sup>2</sup>	8	16,5	13	16,1	16,1	22,4	22,4	15,4	15,4
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	106	105	104	105	103	103	102	105	105
Sound pressure level (ISO 11203)	Lp, r=1m	95	89	92	93	91	91	90	92	93
Tool retainer		spring	cap	cap	kick-latch	cap	kick-latch	cap	kick-latch	cap
Shank size HEX	mm	12	19x50	19x50	22x82,5	22x82,5	22x82,5	22x82,5	22x82,5	22x82,5
Part number (HEX shank)		-	8461 0208 01	8461 0219 00	8461 0211 05	8461 0211 02	8461 0211 32	8461 0211 30	8461 0211 12	8461 0211 13
Part number KIT		-	8461 0208 02	8381 0200 33			8381020038		8381020041	8381 0200 40
Shank size round shank	mm	-		17,3x60		-		25x75	25x75	25x75
Part number (round shank)		8461 0208 06	-	8461 0219 03	-	-	-	8461 0211 31	8461 0211 15	8461 0211 14

For the contents of the available kits, check page 27

Data at 6 bar (90 psi) air pressure

<sup>1)</sup> also available with combined hexagonal/round shank (part no: 8461 0219 01)

<sup>2)</sup> also available in carrying case as complete set (hexagonal shank only);

Kit part number: 8461020802

KL: kick latch, PS: silenced

Claw couplings not included in delivery

Suitable couplings:

TEX 09, 10 and 12

Atlas Copco Standard  
Atlas Copco Standard with strainer  
US Standard (not for TEX 10)

9000 0306 00

9000 0306 01

9001 0005 06

TEX 03, TEX 05

Atlas Copco Standard

9000 0305 00

## Light pneumatic breakers

### Applications:

- Light breakers for service jobs and general demolition

### Features:

- Solid Body concept
- Noise-reduction
- HAPS™ Hand and Arm Protection System (PE series)
- SOFSTART™ two-step trigger
- Rotating air inlet swivel
- Integrated lubricator
- Air cushioned piston



Pneumatic breakers		TEX 150PE		TEX 190PE		TEX 21PE	
Vibro-reduced		YES	YES	YES	YES	YES	YES
Weight	kg	19	19	22,5	23	21	
Length	mm	590	590	595	645	650	
Air consumption	l/s	25	25	26	26	25	
Impact rate	bpm	1530	1530	1500	1500	1140	
Vibration level 3 axes (ISO 28927-10)	m/s <sup>2</sup>	4,5	4,5	3,7	3,7	7,6	
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	104	104	104	104	105	
Sound pressure level (ISO 11203)	Lp, r=1m	91	91	92	91	93	
Shank size	Hex mm	22x82,5	25x108	25x108	28x160	25x108	

Available shank sizes <sup>1)</sup>		22x82,5	25x108	28x160
TEX 150PE	Part number	8461 0223 31	8461 0223 33	–
TEX 190PE	Part number	–	8461 0224 31	8461 0224 33
TEX 21PE	Part number	–	8461 0224 22	–

Data at 6 bar (90 psi) air pressure

<sup>1)</sup> Hex shank (mm)

Claw couplings not included in delivery

Suitable couplings:

Atlas Copco Standard	9000 0306 00
Atlas Copco Standard with strainer	9000 0306 01
US Standard	9001 0005 06

## RTEX medium pneumatic breakers

With our newest innovation, the Atlas Copco RTEX, you'll be demolishing without breaking a sweat. Lightweight, powerful and efficient, this tool is both ergonomic and economic. You'll be able to work longer while only consuming half the air. As a result, your compressor can also go down a size, or you can pair two tools with one compressor.

The secret of the RTEX lies in the innovative long piston design. A longer piston, compared to a conventional breaker, increases the interaction time with each blow. As a result, the RTEX has the breaking power to match a much heavier breaker. The efficient stroke mechanism radically lowers energy consumption.



**25%**  
LIGHTER, CUSHIONED  
FOR **LESS**  
VIBRATIONS 

**50%**   
LESS AIR  
CONSUMED

**FASTER  
BREAKING**   
THANKS TO SOFSTART™  
AND STIFF HANDLES

*(Compared to a comparable, conventional breaker, for example an Atlas Copco TEX breaker)*

Pneumatic breakers		NEW		NEW	
		RTEX 15		RTEX 25	
Weight	kg	17	25	25	25
Length	mm	674	737	780 / 685 (notched chisel)	780
Air consumption	l/s	15,4	19	17,5	18
Impact rate	blows/min	936	816	845	870
Vibration level 3 axes (ISO 28927-10) 1)	m/s <sup>2</sup>	4,6	4,8	4,8	4,8
Sound power level guaranteed (2000/14/EC) 1)	Lw, dB(A)	106	107	107	107
Sound pressure level (ISO 11203) 1)	Lp, r=1m	83	90	90	90
Shank size Hex	mm	25 X 108	25 X 108	28x152 / 28x160 / 28 notch	32x152 / 32x160
Part number		8461 0115 10	8461 0125 10	8461 0125 20	8461 0125 30

Data at 6 bar (90 psi) air pressure

# Medium pneumatic breakers

## Applications:

- Medium breakers for service jobs and general demolition
- TEX P60: asphalt and other medium hard materials

## Features:

- Solid Body concept
- Noise-reduction
- HAPS™ Hand and Arm Protection System (PE series)
- SOFSTART™ two-step trigger
- Rotating air inlet swivel
- Integrated lubricator
- Air cushioned piston



Pneumatic breakers		TEX 230PE			TEX 280PE		TEX 33PE		TEX P60S	
Vibro-reduced		YES	YES	YES	YES	YES	YES	YES	NO	NO
Weight	kg	25,5	27	27	31,5	31,5	37	37	33	33
Length	mm	625	670	670	690	690	745	745	690	690
Air consumption	l/s	30	30	30	32	32	34	34	36	36
Impact rate	bpm	1320	1320	1320	1230	1230	1200	1200	1500	1500
Vibration level 3 axes (ISO 28927-10)	m/s <sup>2</sup>	4,2	4,2	4,2	4,8	4,8	5,7	5,7	16,8	16,8
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	104	106	106	105	105	111	111	109	109
Sound pressure level (ISO 11203)	Lp, r=1m	92	93	93	92	92	99	99	97	97
Shank size	Hex mm	25x108	28x160	32x160	28x160	32x160	28x160	32x160	28x160	32x160

Available shank sizes <sup>1)</sup>		25x108	28x160	32x160
TEX 230PE	Part number	8461 0225 31	8461 0225 34	8461 0225 35
TEX 280PE	Part number	–	8461 0226 32	8461 0226 33
TEX 33PE	Part number	–	8461 0227 01	8461 0227 00
TEX P60S	Part number	–	8461 0227 22	8461 0227 23

Data at 6 bar (90 psi) air pressure

<sup>1)</sup> Hex shank (mm)

TEX P60 S Kit available(Except US & Canada):  
8381020056, 8381 0200 55  
See page 27 for more information

Suitable couplings:

Atlas Copco Standard	9000 0306 00
Atlas Copco Standard with strainer	9000 0306 01
US Standard	9001 0005 06

Claw couplings not included in delivery

# Heavy pneumatic breakers

## Applications:

- Heavy-duty demolition breakers for use in medium and hard materials such as asphalt and reinforced concrete

## Features:

- Noise-reduction
- HAPS™ Hand and Arm Protection System (PE series)
- Rotating air inlet swivel
- Integrated lubricator
- Air cushioned piston



Pneumatic breakers		TEX 37*	TEX 40PE		TEX P90S	
Vibro-reduced		NO	YES	YES	NO	NO
Weight	kg	37	42	42	43	43
Length	mm	729	750	750	710	710
Air consumption	l/s	35	40	40	40	40
Impact rate	bpm	1200	1110	1110	1260	1260
Vibration level 3 axes (ISO 28927-10)	m/s <sup>2</sup>	19,5	4,2	4,2	15,3	15,3
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	Not applicable	111	111	111	111
Sound pressure level (ISO 11203)	Lp, r=1m	Not applicable	99	99	99	99
Shank size	Hex mm	32x160	28x160	32x160	28x160	32x160

Available shank sizes <sup>1)</sup>		22x82,5	25x108	28x160	32x160
TEX 37	Part number	–	–	–	8461 0229 12
TEX 40PE	Part number	–	–	8461 0228 05	8461 0228 04
TEX P90S	Part number	–	–	8461 0228 22	8461 0228 23

Data at 6 bar (90 psi) air pressure

Claw couplings not included in delivery

<sup>1)</sup> Hex shank (mm)

Suitable couplings:

\*Available only for India, Middle East & South East Asian countries

Atlas Copco Standard

9000 0306 00

Atlas Copco Standard with strainer

9000 0306 01

US Standard

9001 0005 06

TEX P90S Kit available (except US & Canada): 8381020058

See page 27 for more information

## Pneumatic rock drills (SRD)

### Applications:

- Drills up to 6 m depth
- Production drilling in quarry/dimension stone industry
- Blast hole and secondary drilling

### Features:

- Noise-reduction
- HAPS™ Hand and Arm Protection System
- Built in air flushing
- Extra flushing for quick and efficient hole cleaning with non stop drilling
- Less time for maintenance



Pneumatic rock drill		NEW	NEW
		SRD 20	SRD 25
Weight	kg	24	27
Length	mm	590	600
Air consumption at 6.0 bar	l/s	39	50
Impact rate	blows/min	1950	2040
Revolutions	rpm	200	250
Penetration rate	mm/min	270	336
Hose connection	mm	19	19
Vibration level 3-axis (ISO 28927-10)	m/s <sup>2</sup>	9	10.7
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	111	110
Shank size	mm	22x108	22x108 25x108
Part number		8311 0320 10	8311 0325 10 8311 0325 09

Data at 6 bar (90 psi) air pressure.

Claw couplings not included in delivery.

Suitable couplings:

Atlas Copco Standard 9000 0306 00

Atlas Copco Standard with strainer 9000 0306 01

US Standard 9001 0005 06

Penetration rate is mentioned under test conditions on granite, however it may vary depending on hardness of material and operator skill

# Light pneumatic rock drills

## Applications:

- Drills up to 2 m depth
- Plug hole drilling
- Anchor and wedge hole drilling

## Features:

- Noise-reduction (S-versions)
- HAPS™ Hand and Arm Protection System (E-versions)
- Built-in air flushing
- Trigger version available (ET)



Pneumatic rock drills		BBD 12D	BBD 12DS	BBD 12DCS	BBD 12T	BBD 12TS	BBD 15E		BBD 15ET	
Weight	kg	9,8	10,7	10,5	11,1	12,1	15,5	15,5	15,6	15,6
Length	mm	565	565	560	505	505	575	575	575	575
Air consumption	l/s	24	22	22	24	22	22	22	22	22
Impact rate	blows/min	2580	2580	2580	2580	2580	2520	2520	2520	2520
Revolutions	rpm	220	220	220	220	220	220	220	220	220
Penetration rate	mm/min	250 <sup>1)</sup>	230 <sup>1)</sup>	230 <sup>1)</sup>	150 <sup>1)</sup>	150 <sup>1)</sup>	220 <sup>1)</sup>	220 <sup>1)</sup>	220 <sup>1)</sup>	220 <sup>1)</sup>
Hose connection	mm	13	13	13	19	19	19	19	16	16
Vibration level 3 axes (ISO 20643)	m/s <sup>2</sup>	22,2	22,2	22,2	16	16	7	7	7	7
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	114	108	108	116	111	110	110	110	110
Sound pressure level (ISO 11203)	Lp, r=1m	103	97	97	103	98	97	97	97	97
Shank size	mm	19x108/ 22x108	19x108	19x108	22x108	22x108	19x108	22x108	19x108	22x108
Part number		8311 0102 47/ 8311 0102 96	8311 0102 80	8311 0101 63	8311 0102 95	8311 0102 98	8311 0104 02	8311 0104 10	8311 0104 12	8311 0104 13

Data at 6 bar (90 psi) air pressure

<sup>1)</sup> In granite, drilling with 28 mm at 6 bar

<sup>2)</sup> In granite, drilling with 32 mm at 6 bar

D = D-handle

T = T-handle

E = vibro-reduced handles

ET = vibro-reduced handles, trigger start

C = cap

S = silenced

# Medium and heavy pneumatic rock drills

## Applications:

- Drills up to 6 m depth
- Production drilling in quarry/dimension stone industry
- Blast hole and secondary drilling

## Features:

- Noise-reduction (S-versions)
- HAPS™ Hand and Arm Protection System (E-versions)
- Built-in air flushing
- Extra flushing for quick and efficient hole cleaning



These products will be phased out in 2020, but remain available for India. Ordering is possible as long as stock lasts.

Pneumatic rock drills		RH 571-5L	RH 571-5LS	RH 572E	RH 658L	RH 658 5L*	RH 658 5L FR*	RH 658LS
Weight	kg	17,8	18,9	22,8	24	24	24,5	25
Length	mm	510	510	583	565	565	565	565
Air consumption	l/s	39	39	37	58	58	58	58
Impact rate	blows/min	2100	1980	2040	2040	2040	2040	2040
Revolutions	rpm	190	190	170	215	215	215	215
Penetration rate <sup>1)</sup>	mm/min	295	275	260	425	425	425	425
Hose connection	mm	19	19	19	19	19	19	19
Vibration level 3 axes (ISO 20643)	m/s <sup>2</sup>	23,2	23,2	9,7	21,2	21,2	21,2	21,2
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	119	112	113	116	116	116	112
Sound pressure level (ISO 11203)	Lp, r=1m	106	99	100	106	106	106	99
Shank size	mm	22x108	22x108	22x108	22x108	22x108	22x108	22x108
Part number		8311 0301 29	8311 0301 37	8311 0301 78	8311 0302 86	8311 0302 77	8937 1210 02	8311 0302 87

Data at 6 bar (90 psi) air pressure

1) In granite, drilling with 32 mm at 6 bar

E = vibro-reduced handles

S = silenced

\*Available only for India

RH 571-5L KIT available(except US & Canada) :8381 0200 18 (See p27 for more information)

RH 658L KIT(Except US & Canada) : 8381 0200 21

# Pneumatic combi drills/hammers

## Applications depending on weight class:

- Plug hole drilling 8-38 mm diameter
- Wedge hole drilling
- Chipping and scaling
- Renovation and rebuilding
- Underwater work

## Features:

- Built-in air flushing
- Noise-reduction
- Switching between drilling/chipping by change of working tool
- Built-in lubricator



Pneumatic combi drills/hammers		DKR 36	DKR 36R
Weight	kg	4,5	4,5
Length	mm	375	375
Air consumption at 6 bar	l/s	10	10
Impact rate	blows/min	2820	2820
Revolutions	rpm	250	250
Penetration rate	mm/min	180 <sup>1)</sup> /160 <sup>2)</sup>	180 <sup>1)</sup> /160 <sup>2)</sup>
Hose connection	mm	19	19
Vibration level 3 axes (ISO 28927-10)	m/s <sup>2</sup>	20,2 (breaking) 21,2 (drilling)	20,2 (breaking) 21,2 (drilling)
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	103	103
Sound pressure level (ISO 11203)	Lp, r=1m	88	88
Shank size	mm	R19xH14,7x89	R19x95
Part number		8463 0103 60	8463 0103 50

Data at 6 bar (90 psi) air pressure.

<sup>1)</sup> 19 mm drill in granite

<sup>2)</sup> 19 mm drill in concrete

# Pneumatic rock drills – Stoppers

## Applications:

- Raise driving
- Screening



Stoppers		BBD 46WS-8
Hole range	mm	27-41
Weight	kg	40
Length retracted	mm	1650
Length extracted	mm	2620
Air consumption	l/s	90
Impact rate	bpm	3000
Piston diameter	mm	75
Stroke length	mm	45
Vibration level 3 axes (ISO 20643)	m/s <sup>2</sup>	10
Sound power level guaranteed (2000/14/EC)	L <sub>w</sub> , dB(A)	124
Sound pressure level (ISO 11203)	L <sub>p</sub> , r=1m	121
Part number		8311 0202 11

Data at 6 bar (90 psi) air pressure



# Underground pneumatic rock drills

## Applications:

- Raise driving and bolting
- Screening

## Features:

- High quality, designed for production drilling
- Built-in water flushing



Rock drills		BBC 16W	BBC 34W	BBD 94W	BBD 94WS	RH 656 4W*
Hole range	mm	27-41	27-41	27-41	27-41	27-41
Weight	kg	28,5	33,5	28	31	22
Length	mm	705	775	670	670	658
Air consumption	l/s	69	88	97	97	48
Impact rate	blows/min	2340	2280	3300	3300	2040
Piston diameter	mm	70	80	90	90	65
Stroke length	mm	55	70	45	45	59
Vibration level 3 axes (ISO 5349-2)	m/s <sup>2</sup>	16,6	20,4	15	15	21,2
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	122	127	125	125	120
Sound pressure level (ISO 11203)	Lp, r=1m	111	116	114	114	115
Part number		8311 0401 10	8311 0408 05	8311 0206 09	8311 0206 12	8311 0302 02

Data at 6 bar (90 psi) air pressure

\*Available only for India

## Pneumatic rock drills – pusher legs

### Applications:

- Underground horizontal drilling

### Features:

- High quality, designed for production drilling
- Single or double telescopic pusher legs



Pusher legs		BMT 51	ALF 71	ALF 71-1	ALF 72D	ALF 72D-1	BMK 62S
Telescope		Single	Single	Single	Single	Single	Single
Suitable for rock drill:		BBC 16W, 34W	BBC 16W, 34W	BBC 16W, 34W	BBD 94W	BBD 94W	RH 656W
Feeding length	mm	1300	1300	950	1300	1200	1300
Length retracted	mm	1658	1805	1455	1970	1830	1815
Length extracted	mm	2958	3105	2405	3270	3030	3115
Weight	kg	15	14	13	19	16	17
Cylinder Bore	mm	60	70	70	70	70	53
Part number		8321 0301 01	8321 0201 94	8321 0201 95	8321 0201 80	8321 0201 81	8321 0102 02

Data at 6 bar (90 psi) air pressure R=right rotation

# Rig-mounted pneumatic rock drills

## Applications depending on weight class:

- Dimension stone industry (DSI)
- Marble and granite quarries
- Cable or chain feed drilling

## Features:

- Efficient air flushing
- Can be converted to water flushing
- Production drilling

Rig-mounted rock drills		BBC 34-DSI
Weight	kg	31
Length	mm	775
Air consumption	l/s	88
Impact rate	bpm	2280
Piston diameter	mm	90
Stroke length	mm	70
Vibration level 3 axes (ISO 20642)	m/s <sup>2</sup>	20,4
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	120
Sound pressure level (ISO 11203)	Lp, r=1m	109
Part number		8311 0408 06



## Pneumatic dust collector

Breaking is a dirty job but with a dust collector, the operator is protected against the most harmful dust. Atlas Copco's pneumatic dust collectors use vacuum technology to efficiently remove dust directly at the source and keep the silica dust level on your construction site below the permissible exposure limit. They work indoors as well as outdoors. They don't require power, only a reliable source of compressed air.

### Features:

- Simple set-up and operation
- Recyclable collection bags
- Semi-automatic filter cleaning mechanism
- Will last an 8-hour shift
- Trolley version available

**NEW**

Pneumatic dust collector		DCP 10
Weight including tripod stand	kg	26
Air Consumption at 6 bar (Single tool)	l/s	7.6
Air Consumption at 6 bar (Two tool)	l/s	14.7
Vacuum Suction	mm of H <sub>2</sub> O	1340
Air inlet connection compatible for US Claw coupling	mm	19
Suction hose	mm	38
Filter surface area	m <sup>2</sup>	2.5
Collection sack, flat dimensions	mm	560 X 700
Diameter of Housing unit	mm	360
Height of Housing unit	mm	760
Height above ground	mm	1508
Part number		8311 0325 15



Available kits: DCP 10, part number 8311032515 (1), DCP 10 rock drill kit, part number 8311032520, DCP 10 Two Tool kit, part number 8311032518 (2)  
For two tool operation : (1) and (2) to be ordered together. (1) is suitable only for one tool operation

## Impact wrenches and needle scalars

Our impact wrenches and needle scalars simply plug in to your compressor and let you handle the toughest jobs. Impact wrenches are suitable for material maintenance. Needle scalars are perfect for cleaning concrete before reworking it. Made of light but robust materials, with excellent ergonomics and low vibration levels, these compact tools make heavy construction work easy.



**NEW** **NEW** **NEW**

Impact wrenches		TEX 290W	TEX 291W	TEX 292W
Bolt size max	mm	M14	M14	M16
Square drive size	in	3/8"	1/2"	3/4"
Torque-forward	Nm	310	370	710
Torque-Reverse	Nm	500	500	1000
Torque range	Nm	150-400	150-300	200-800
Free speed	r/min	6500	7300	7700
Weight	kg	1,2	1,2	2,0
Air Consumption	l/s	17	17	18
Recc. Hose Size	mm	10	10	10
Air inlet thread	BSP	1/4"	1/4"	1/4"
Model type		Pistol handle type		
Impact		Twin hammer		
Part no.		8461 0250 01	8461 0250 02	8461 0250 03

**NEW**

Needle scalar		TEX 01N
Blows	Hz	40
Stroke	mm	11
Length	mm	370
Weight	kg	2,35
Air Consumption	l/s	2
Recc. Hose Size	mm	10
Air inlet thread	BSP	1/4"
Part no.		8461 0250 04

## Chipping hammer kits

Kit Item Number	kit Description	Component in Kit	Component Description
8461 0208 02	TEX 03PS KIT	3083 3220 00	Moil point hex 19 x 50 mm
		3083 3222 00	Narrow chisel hex 19 x 50 mm
		3310 1206 00	Storage box
		3310 1624 00	Product label
		8099 0202 40	Breaker and hammer air-oil 250ml
		8461 0208 01	TEX 03 PS h19 x 50
8461 0219 02	TEX 05P KIT	9030 2043 00	Rubber hose TEX 3/05 (PM)
		3083 3220 00	Moil point hex 19 x 50 mm
		3083 3222 00	Narrow chisel hex 19 x 50 mm
		3310 1206 00	Storage box
		8099 0202 40	Breaker and hammer air-oil 250ml
		8461 0219 00	TEX 05 P h19 x 50
8381 0200 33	TEX 05P KIT	9030 2043 00	Rubber hose TEX 3/05 (PM)
		3083 3220 00	Moil point hex 19 x 50 mm
		3083 3222 00	Narrow chisel hex 19 x 50 mm
8381 0200 38	TEX 10PS KL KIT	8461 0219 00	TEX 05 P h19 x 50
		3083 3242 00	Moil point hex 22 x 82.5 mm
		3083 3244 00	Narrow chisel hex 22 x 82.5 mm
8381 0200 40	TEX 12PS KIT	8461 0211 32	TEX 10 PS KL h22 x 82.5
		3083 3242 00	Moil point hex 22 x 82.5 mm
		3083 3244 00	Narrow chisel hex 22 x 82.5 mm
8381 0200 41	TEX 12PS KL KIT	8461 0211 13	TEX 12 PS h22 x 82.5
		3083 3242 00	Moil point hex 22 x 82.5 mm
		3083 3244 00	Narrow chisel hex 22 x 82.5 mm
8381 0200 41	TEX 12PS KL KIT	8461 0211 12	TEX 12 PS KL, 22x82.5

## Breaker Kits

Kit Item Number	kit Description	Component in Kit	Component Description
8381 0200 55	TEX P60S KIT	3083 3206 00	Moil point hex 32 x 160 mm
		3083 3209 00	Narrow chisel hex 32 x 160 mm
		8099 0202 36	Breaker and hammer air-oil 1l
		8461 0227 23	TEX P60S, 32x160
8381 0200 56	TEX P60S KIT	3083 3206 00	Moil point hex 32 x 160 mm
		3083 3209 00	Narrow chisel hex 32 x 160 mm
		8099 0202 36	Breaker and hammer air-oil 1l
		8461 0227 23	TEX P60S, 32x160
8381 0200 58	TEX P90S KIT	3083 3206 00	Moil point hex 32 x 160 mm
		3083 3209 00	Narrow chisel hex 32 x 160 mm
		8099 0202 36	Breaker and hammer air-oil 1l
		8461 0228 23	TEX P90S, 32x160

## Rock drill kit

Kit Item Number	kit Description	Component in Kit	Component Description
8381 0200 21	RH 658L KIT	8202 5102 05	BLG 30 (yellow)
		8311 0302 86	RH 658L
		9030 2047 00	Rubber hose RH/BBD (PM)

## Nomenclature – Handheld Pneumatic Tools

ABB.	DESCRIPTION
H	Hexagonal Bushings
P	Pneumatic ( Non Silenced)
S	Silenced Version
E	Ergonomic Handle Version
KL	Kick Latch Retainer
R	Round Bushings
D	D handle
C	Clockwise Rotation
T	T Handle
L	Latch Retainer
US	United States of America Model only
EXT	External Trigger
SVR	Silenced & Vibration Reduced Model
DSI	Dimension Stone Industry

ABB.	DESCRIPTION
CH	Chipping Hammer Handle
IT	Internal Trigger
OT	Outside Trigger
W	Water Flushing System
SPDR	Spike Driver
P	Pistol Grip Handle
SQ	Square Bushings
RR	Reverse Rotation
A	Rotation on/off
C	Drilling Only
F	Rotation on/off Spline Coupling
Dry	Only Air flushing
Wet	Wet Flushing

# Handheld hydraulic tools



## Handheld hydraulic tools

Hydraulic tools pack lots of power in a small machine: perfect if you find yourself working in cramped spaces or overhead. You'll also find our hydraulic tools tackling emergency interventions in high dense traffic areas and airports .

Clever design, with few moving parts that are continuously lubricated, means minimal wear and little maintenance. Their closed-loop design keeps out dirt and moisture, so no job is too rough for these tools.

Pair your hydraulic breaker up with a compact power pack, available in fuel and electric versions and you are ready to take on any job.

- Flexible and compact system
- Excellent power-to-weight ratio
- Suitable for indoor use, in any condition and even under water
- Continuous lubrication for minimal wear
- Few parts and completely closed-loop



### Powerpack and Tools Selection Guide

Powerpack		LP 9-20P	LP 13-30P	LP 18-30PE	LP 18-40PE	LP 18 TwinPE	LP 9-20E
Engine		9 HP	13 HP	18 HP	18 HP	18 HP	9 HP
EHTMA Class		C	C/D	C/D	C/D/E	C/E	C
Breaker	LH11	x					x
	LH190E	x					x
	LH230E	x	x	x			x
	LH280E	x	x	x			x
	LH400E		x	x	x	x	
Core Drills	LCD500/LCD1500	x	x	x			x
Cut-off Saw	LS14	x	x	x			x
	LS16	x	x	x	x	x	x
Post Drivers	LPD-LD-T	x					x
	LPD-T/RV	x	x	x			x
	LPD-HD-T/RV	x	x	x	x	x	
Post Puller	LPP 10 HD	x	x	x	x	x	x

## Hydraulic standard hammer and breakers

### Applications:

- Breaking light concrete and brickwork (LH 11)

### Features:

- Low noise levels
- Slim design
- High power to weight ratio
- No exhaust or emission
- No additional lubrication needed
- No freezing



Hammer and breakers		LH 11
Weight	kg	15,5
Length	mm	650
Oil flow	l/min	20
Working pressure	bar	80-100
Max back pressure	bar	10
Impact rate	blows/min	2300
Vibration level 3 axes (ISO 28927-10)	m/s <sup>2</sup>	16,5
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	105
Sound pressure level (ISO 11203)	Lp, r=1m	93
EHTMA class		C
Part number		LH 11
Hex 22x82,5		1801 1741 18

## Vibro-reduced hydraulic breakers

### Applications:

- Medium and hard materials like asphalt and concrete

### Features:

- Vibro-reduction
- Vibro-damping chisel bushing
- Low noise levels
- Slim design
- High power to weight ratio



Breakers		LH 190 E	LH 230 E	LH 280 E	LH 400 E
Weight <sup>1)</sup>	kg	25	28	32,5	39
Length <sup>2)</sup>	mm	650	735	765	765
Oil flow	l/min	20	20-30	20-30	30-40
Working pressure	bar	95-110	105-125	110-125	110-125
Max back pressure	bar	10	15	15	15
Impact rate	blows/min	1400	1500-2100	1350-1750	1150-1600
Vibration level 3 axes (ISO 28927-10)	m/s <sup>2</sup>	5	4,6	4,6	5,4
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	106	107	107	106
Sound pressure level (ISO 11203)	Lp, r=1m	93	94	95	93
EHTMA class		C	C/D	C/D	D/E

Part number	LH 190 E	LH 230 E	LH 280 E	LH 400 E
Hex 25x108	1801 3443 41	1801 3543 51	-	-
Hex 28x152	1801 3443 42	1801 3543 52	1801 3643 60	1801 3743 68
Hex 28x160	1801 3443 43	1801 3543 53	1801 3643 61	1801 3743 69
Hex 32x152	1801 3443 44	1801 3543 54	1801 3643 62	1801 3743 70
Hex 32x160	1801 3443 45	1801 3543 17	1801 3643 63	1801 3743 71

<sup>1)</sup> LH 190 E with Hex 25, LH 230 E, LH 280 E and LH 400 E with Hex 32.

<sup>2)</sup> Lengths for LH 190 E with Hex 25, LH 230 E, LH 280 E, LH 400 E with Hex 32

# Hydraulic core drills

## Applications:

- Safe handheld drilling in reinforced concrete and asphalt up to 200 mm diameter in confined spaces, for ventilation, heating, gas piping and other installations
- Works efficiently also in underwater applications

## Features:

- High power to weight ratio
- Low vibrations
- Low kick-back
- Hydraulic torque control
- Fits in standard drill stands
- Closed hydraulic circuit
- Comes in carrying steel case as standard



Core drills		LCD 500	LCD 1500
Weight including hoses	kg	9,5	9
Oil flow rate	l/min	20-30	20-30
Length without drill	mm	414	406
Working pressure	bar	60-120	60-120
Revolutions	rpm	600-900	1500-2250
Drill diameter	mm	50-202	12-75
Thread female (drive) <sup>1)</sup>		½" BSP	½" BSP
Vibration level 3 axes (ISO 28927-5)	m/s <sup>2</sup>	3,1	2,7
Sound pressure level (ISO 11203)	Lp, r=1m	<70	<70
EHTMA class		C/D	C/D
Part number		1806 1014 38	1806 1014 39

<sup>1)</sup> 1/2" BSP male x 1 1/4 UNC male drive adaptor included for use of larger diameter core bits.

## Hydraulic cut-off saws

### Applications:

- Cutting depth of 133-160 mm
- Works in dust, slurry and underwater
- Used for cutting:
  - Concrete, reinforced concrete
  - Asphalt
  - Steel
- Used with:
  - Dry and wet diamond discs
  - Abrasive steel cutting discs

### Features:

- Simple design with direct drive motor
- Open visible cutting face
- Good power-to-weight ratio
- Compact and slim design



Cut-off saws		LS 14	LS 16
Weight including hoses	kg	12	13
Oil flow	l/min	20-30	20-40
Maximum pressure	bar	172	172
Revolutions	rpm	2500-4000	2000-4000
Speed	m/s	46-75	42-85
Disc size	mm	355	405
Arbor size	mm	25,4	25,4
Cutting depth	mm	133	160
Vibration level 3 axes (ISO 28927-8) 20 lpm	m/s <sup>2</sup>	4,9	4,9
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	108	116
Sound pressure level (ISO 11203)	Lp, r=1m	94	102
EHTMA class		C/D	C/D/E
Part number		1809 0140 01	1809 0160 00

Also available: LSC cart for cut-off saw, part number 1809001001

# Hydraulic post and ground rod drivers

## Applications:

- Drives up to 150 mm diameter poles
- For driving of:
  - Road barriers
  - Tubes / profiles
  - Signposts
  - Fences
  - Anchors
  - Ground rod

## Features:

- Available with built-in on/off valve or hose mounted remote on/off valve

## Options:

- Adaptors driving heads
- Kits



Post drivers		LPD-LD-T	LPD-T	LPD-RV	LPD-HD-T	LPD-HD-RV
Activation type		By trigger lever	By trigger lever	By remote valve	By trigger lever	By remote valve
Hydraulic system		Open centre	Open centre	Open- or closed-centre	Open centre	Open- or closed-centre
Weight including hoses	kg	17,5	32	33	39	40
Driving capacity <sup>1)</sup>	mm	10-60	40-100	40-100	70-150	70-150
Working pressure	bar	80-100	105-140	105-140	105-125	105-125
Oil flow	l/min	20	20-30	20-30	28-40	28-40
Impact rate	blows/min	2300 (20l/min)	1680 (30l/min)	1680 (30l/min)	1320 (30l/min)	1320 (30l/min)
Hydraulic ports		½" BSP	½" BSP	½" BSP	½" BSP	½" BSP
Vibration level 3 axes (ISO 28927-10) 20 lpm <sup>1)</sup>	m/s <sup>2</sup>	17,5	12,8	-	-	-
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	116	115	115	118	118
Sound pressure level (ISO 11203)	Lp, r=1m	102	102	102	105	105
EHTMA class		C	C/D	C/D	D/E	D/E
Part number		1801 3940 06	1801 4040 02	1801 4050 02	1801 4140 00	1801 4150 00

<sup>1)</sup> Depending on ground condition

# Hydraulic post puller

## Applications:

- For removal of any pole, steel beam or tube with diameters up to 200 mm
- For removing of:
  - Wooden posts
  - Steel posts (incl IPE, HPE and UPE profile)
  - Round/square steel tubes
  - Fence posts
  - Anchors

## Features:

- Integrated jaw
- Automatic chain tightening clamp
- Total pulling force up to 10 tons



Post puller		LPP 10 HD
Weight	kg	60
Oil flow	l/min	20-40
Max. working pressure	bar	172
Max. back pressure	bar	30
Lift capacity per stroke	mm	12-200
Pulling force	kg	6000
Full pulling force <sup>1)</sup>	kg	10000
EHTMA class		C/D/E
Part number		1801 8100 03

<sup>1)</sup> Lever kit, part number 3371 8101 48

# Hydraulic power packs

## Features:

- Portable, compact and lightweight
- High efficiency, low noise and low fuel consumption thanks to Power On Demand function (available with selected models only)
- Low maintenance, long lifetime – moving parts move in a closed lubricated circuit
- Protective steel frame with foldable handles
- Lifting eye and cross lifting bar
- No exhaust or emission from the tools – power pack with engine can be placed away from tool
- Large return filter and replacement indicator
- Thermostatically-controlled oil cooler



Power packs		LP 9-20 P <sup>1)</sup>	LP 13-30 P <sup>1)</sup>	LP 18-30 PE	LP 18-40 PE	LP 18 Twin PE	LP 9-20 E
Fuel		Petrol	Petrol	Petrol	Petrol	Petrol	Electric
Engine		9 HP Honda	13 HP Honda	18 HP B&S Vanguard	18 HP B&S Vanguard	18 HP B&S Vanguard	5,5 kW/ 3x400 V/16A
Weight (incl oil)	kg	80	91	119	119	123	73
Dimensions (LxWxH)	mm	630x530x640	745x600x705	790x605x745	790x605x745	755x700x720	630x530x640
Oil flow	l/min	20	20-30	20-30	20-40	2x20/1x40	20
Maximum pressure	bar	150	150	172	145	145	150
Fuel capacity	l	6	6,5	8,5	8,5	8,5	-
Hose included		YES	YES	NO	NO	NO	NO
Power on Demand (POD)		YES	YES	NO	NO	YES	NO
Oil control: engine oil		YES	YES	YES	YES	YES	NO
Electric start		NO	NO	YES	YES	YES	YES
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	101	101	101	101	101	96
Sound pressure level (ISO 11203)	Lp, r=1m	87	89	88	89	89	82
EHTMA class		C	C/D	C/D	C/D/E	C/E	C
Part number		1807 0080 50	1807011032	1807 0160 41	1807 0160 38	1807 0160 16	1807 0080 52

<sup>1)</sup> Extension twin-hose comes as standard with LP 9-20 P and LP 13-30 P.

## Nomenclature – Handheld hydraulics tools

ABB.	DESCRIPTION
H	Hexagonal Bushings
P	Pneumatic (Non Silenced)
S	Silenced Version
E	Ergonomic Handle Version
KL	Kick Latch Retainer
R	Round Bushings
D	D handle
C	Clockwise Rotation
T	T Handle
L	Latch Retainer
US	United States of America Model only
T	External Trigger
RV	Remote Valve operated
LD	Light Duty
HD	Heavy Duty

# Handheld petrol drill and breakers



## Handheld petrol drill and breakers

A petrol-driven tool is a matter of grab and go. This completely autonomous system is perfect for remote locations and hard-to-get places. Forget hoses, cables or compressors: Atlas Copco's Cobra tools are immediately ready for action.

HAPS™ technology minimizes vibration, so you can get more work done in a day, in a safe way. Noise and emissions are also kept to a minimum.

### Our three Cobra models:

- **PROi:** a heavy hitter that clocks up an incredible 60 joules at the tool tip
- **TTe:** specifically designed for tie tamping. It works with a relatively high blow frequency and the impact energy has been optimized to prevent breaking the ballast.
- **Combi:** The Cobra combi is not only a breaker, it doubles as a powerful drill. It has a built-in flushing device, which makes this the perfect tool for drilling hard materials. Do you know another tool that drills at 30cm per minute through solid granite? And to a depth of up to 6 meters?



## Motor breakers & drills (Cobra range)

### Applications:

- Drilling and breaking (Cobra™ Combi)
- Work on remote sites
- Breaking concrete
- Cutting asphalt
- Tamping and compacting
- Driving spikes, tubes, poles, ground rods and probes
- Digging ditches and holes
- Tie tamping (Cobra TTe)

### Features:

- Easy to transport
- Quick set-up time
- HAPS™ Hand and Arm Protection System
- Low emissions
- Low noise

### Cobra™ PROi and TTe

- Adjustable handles
- Central oil lubrication
- High impact power

### Cobra™ PROi, TTe and Combi

- All models fully in compliance with latest American EPA, Phase 3 emission standard and related EU emission standards



Cobra petrol breakers		PROe	PROi	TTe	Combi/Pionjar 120
Type		breaker	breaker	tie-tamper	Breaker and drill
Weight	kg	24-25	24-25	23-24	25
Length	mm	877-927	877-927	877-927	732
Depth	mm	358	358	358	281
Width across handles	mm	623	623	623	585
Impact energy	Joules	65	65	40	22-25
Blow frequency	bpm	1440	1440	1620	2700
Penetration rate w 34 mm drill bit	mm/min	-	-	-	200-300
Max drilling depth	m	-	-	-	2
Drill rotation speed	rpm	-	-	-	250
Engine					
Engine type		1 cylinder, 2-stroke			
Cylinder displacement	cc	90	90	90	185
Power	kW	2	2	1.5	2
Cooling system		Fan cooled			
Starter system		Recoil starter			Magnapull
Fuel type		Petrol, 90-100 octane unleaded			
Fuel capacity	l	1	1	1	1.2
Fuel mixture	%	2	2	2	2
Fuel consumption	l/hour	0.85	0.85	0.8	1,3-1,5
Oil-type (Atlas Copco)		2-stroke oil or similar			
Alkylate		Yes			No

## Vibration & sound

Vibration level 3 axes (ISO 28927-10)	m/s <sup>2</sup>	3.3	3.3	3.8	5,8 (breaking), 9,3 (drilling)
Sound power level guaranteed (2000/14/EC)	Lw, dB(A)	109	109	109	108
Sound pressure level (ISO 11203)	Lp, r=1m, dB(A)	97	97	97	95

Full dimension details are available in the product's Safety and Operating Instructions (Part number: 9800 0955 90). Available at [www.acprintshop.com](http://www.acprintshop.com)

## Motor breakers & drills (Cobra range)

Shank size (H)	PROe	PROi	TTe	Combi/Pionjar 120
22 x 108 mm (Cobra Combi in military green version)	-	-	-	8318 0800 13
22 x 108 mm	-	-	-	8318 0800 08
25 x 108 mm	8318 0701 09	8318 0702 09	8318 0701 19	-
28 x 160 mm	8318 0701 05	8318 0702 05	8318 0701 15	-
28 x 160 mm (heavy duty metal chunk bushing)	8318 0703 10	8318 0702 71	-	-
32 x 160 mm	8318 0701 01	8318 0702 01	8318 0701 11	-
32 x 160 mm (heavy duty metal chunk bushing)	8318 0703 00	8318 0702 68	-	-
32 x 160 mm (China only heavy duty metal chunk bushing)	8318 0703 06	8318 0702 42	8318 0701 22	-

## Nomenclature – Handheld petrol drill and breakers

ABB.	DESCRIPTION
i	Gasoline Engine with Electronic Fuel Injection
e	Gasoline engine with Carburettor

## Cobra Kits

Kit Item Number	Kit Description	Component in Kit	Component Description
8318 0700 98	Cobra TTe kit 32x160	3083 3217 00	Tie tamper hex 32 x 160 mm
		8318 0701 11	Cobra TTe 32X160
		9234 0009 91	Transport box Cobra Pro/TT
8318 0702 52	Cobra PROi kit 32x160	3083 3208 00	Narrow chisel hex 32 x 160 mm
		3083 3212 00	Asphalt cutter hex 32 x 160 mm
		8318 0702 01	Cobra PROi 32x160
		9234 0006 54	Trolley Cobra/pio
8318 0702 53	Cobra PROi kit 32x152	3083 3286 00	Narrow chisel hex 32 x 152 mm
		3083 3296 00	Asphalt cutter hex 32 x 152 mm
		8318 0702 03	Cobra PROi 32x152
		9234 0006 54	Trolley cobra/pio
8318 0702 54	Cobra PROi kit 28x160	3083 3274 00	Narrow chisel hex 28 x 160 mm
		3083 3278 00	Asphalt cutter hex 28 x 160 mm
		8318 0702 05	Cobra PROi 28x160
		9234 0006 54	Trolley cobra/pio

Kit Item Number	Kit Description	Component in Kit	Component Description
8318 0702 55	Cobra PROi kit 28x152	3083 3268 00	Narrow chisel hex 28 x 152 mm
		3083 4019 00	Asphalt cutter hex 28 x 152 mm
		8318 0702 07	Cobra PROi 28x152
		9234 0006 54	Trolley cobra/pio
8318 0800 11	Cobra Combi 2010 with tool kit	3083 3197 00	Tamping pad, square 200 mm for hex 28/32
		3083 3228 00	Moil point hex 22 x 108 mm
		3083 3234 00	Digging spade hex 22 x 108 mm
		3083 3235 00	Clay spade hex 22 x 108 mm
		3083 3236 00	Frost wedge hex 22 x 108 mm
		3083 3238 00	Shaft hex 22 x 108 mm
		3083 3239 00	Tamping pad, square 175 mm for hex 22/25
		8318 0800 08	Cobra combi 2010
		9245 2813 51	Wedge set (for 34 mm holes)