

Atlas Copco



# Petrol-driven handheld tools

Cobra range

# Cobra®: Versatile. Portable. Powerful.

When you have to be prepared for almost any situation, whether it's cutting, breaking, compacting, driving, drilling or splitting rocks, the Cobra is your ideal workmate. It's made for small, quick-fire jobs and is perfect for working in remote, inaccessible locations – making it the go-to product for emergency services around the world. Grab and go means you don't need any external power supply. The petrol-driven two-stroke engine can handle multiple applications.

The Cobra system is designed to make it easy for you to move fast and in harsh terrain. You can carry it on your back and set-up time is virtually zero. Easy service and reliability are especially important when working in the field, away from workshops. The Cobra Combi is a breaker that doubles as a drill. The Cobra TTe is designed specifically for tie tamping and the Cobra PROe is our heavy-hitter.



## The range

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	-	-	-	6
Drill rotation speed	rpm	-	-	-	250
<b>Engine</b>					
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
<b>Vibration &amp; sound</b>					
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)

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	-

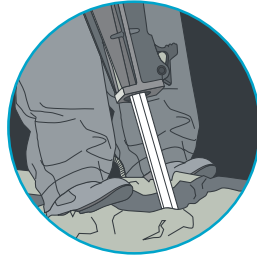


# One cobra for many applications



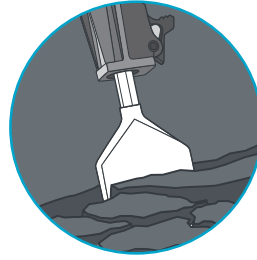
## Tie Tamping

When trains follow their path, the ballast gets pushed out from underneath the sleepers. Tamping is the process of securing the ballast under the railway sleepers.



## Concrete breaking

The harder the material, the more weight and impact force is needed. Non-reinforced concrete is medium-hard and reinforced concrete is considered hard. Re-inforced concrete takes higher impact force (weight) and fewer blows per minute.



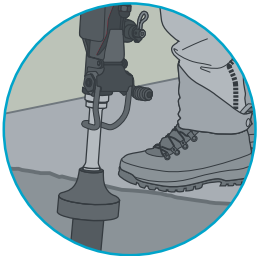
## Asphalt cutting

Asphalt is flexible and considered a medium hard material. That means you need less impact force and more speed compared to breaking concrete. Good sound and vibration protection help keep your renovation work profitable.



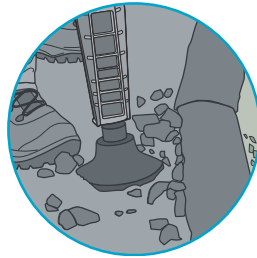
## Digging

When you dig with your Cobra you need to take soil type and compaction level into account. Tools include digging chisel for compact soils, digging spade for softer ground and clay spade for soils with high plasticity.



## Post Driving

Driving posts, spikes and rods often require much lifting and moving between work positions. The same often goes for driving rods and spikes along roads or railways.



## Compacting

Taming and stabilizing soil requires compacting. Different soils need different types of treatment- and tools.



## Drilling

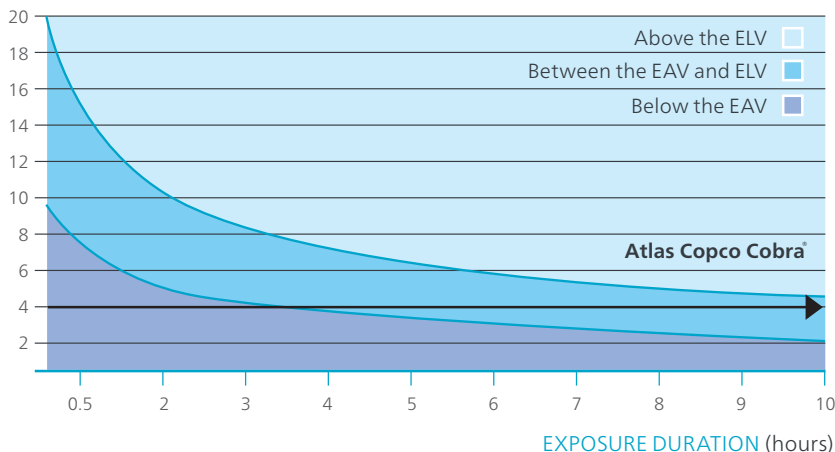
You need speed, lower impact force, turning and flushing when drilling holes. High speed and lower impact prevents the rock from breaking. Flushing removes drill chips from the hole while you are working.

All these applications require different working tools. Please see page 7 for more information on the best working tools for every job.

# Cutting-edge technology for more comfort and safety

The Cobra range minimizes emissions, vibrations and noise. Thanks to this equipment's vibration dampening technology, you can work longer hours. Get the job done in time and in a safe way.

VIBRATION MAGNITUDE ( $m/s^2$ )



- The Exposure Limit Value (ELV) is  $5 m/s^2$   
The red area = immediate action to stop
- The Exposure Action Value (EAV) is  $2.5 m/s^2$   
The grey area = establish an action plan

# The Cobra PROe (B)



The Cobra PROe breaker is the heavy hitter in the range. Clocking up an incredible 65 joules at the tool tip, it delivers enough impact energy to handle silica rich rocks and reinforced concrete. In fact, it offers the same power to weight ratio as many pneumatic or hydraulic breakers – without being tied down to a power source or hoses. The Cobra PROe has hand-arm vibration value of 3.3 m/s<sup>2</sup>. That means you can work for more than three hours and still be well within the safe exposure guidelines.

Less vibration goes hand in hand with efficiency. The Cobra PROe breaker helps you get the job done faster. This is due to a combination of high percussive energy and high blow frequency. With an extensive range of tools, you can use the Cobra PROe for multiple applications, including cutting and breaking, post driving and compacting.

## Easy starters

Both PROe and TTe have decompression valves. It makes them easy to start in all weather conditions.

## More power

The high power to weight ratio improves productivity and helps you get the job done faster

## Easy transportation

Weighing in at just 24 kg the Cobra is easy to carry around and to fit in a car trunk.



## The best of both worlds

The Cobra PROe is more powerful and more silent than ever before.

GREAT  
ERGONOMICS

## We take care

The HAPS system (Hand Arm Protection System) makes the Cobra unique. It lets you do heavy duty work more than two times longer compared to other petrol driven breaker models.



## The long and the short

The Cobra PROe comes in two different lengths.

COBRA<sup>®</sup>  
PROe

## Cobra PROi

Looking for a fuel-injected petrol breaker? The PROi offers the same benefits as a PROe breaker and performs in all weather conditions and high altitudes.

# The Cobra TTe (R)

The Cobra TTe is optimized for railway applications and especially designed for tie tamping. It works at a high frequency of 1,620 blows/min. Its impact energy is high enough to push the ballast back under the ties and low enough to prevent pulverization of ballast. What's more, you don't have to worry about compressors, hoses or cables, which makes it easy and safe to move around in rail yards and other high-risk environments with constant heavy traffic. It weighs 24 kg, which means a single operator can carry it on and off the tracks. By allowing fast interventions, the Cobra TTe reduces the need for closing tracks.

The low vibration levels of the Cobra TTe mean better quality and safer work. Vibration levels are kept low thanks to a patented vibro-dampening system that consists of leaf springs instead of the usual rubber bushings or spiral springs.



## Railway specialist

The Cobra TTe delivers just the right amount of power for tie tamping.

## Work smarter

Just like the PROe, our Cobra TTe is equipped with HAPS for safer and more efficient operation.

## Flexibility

Different shank size options enable smooth operation, even in narrow areas such as a switch yard.



## Air filter

The high capacity air filter in Cobra PROe and Cobra TTe gives a longer lifetime. The filter is easy to access for fast servicing.



## Easy oil check

Your machine has a natural oil consumption. We have made it easy for you to check and make sure oil levels are optimal.

**COBRA<sup>®</sup>**  
**TTe**

# The Cobra Combi (C)

The Cobra Combi is fully autonomous, powerful drill. With a simple switch it also doubles as an all-round breaker for lighter materials. This multi-purpose machine can drill depths of up to 6 meters in solid granite, thanks to its built-in air flushing device.

The Cobra Combi is great for those light service jobs or working in remote locations. It comes with its own carrying case, which fits easily into the trunk of a car. And with a range of many different working tools, you can use the Cobra Combi for everything from breaking and drilling, to cutting, driving and compacting.



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### Starts anytime

Redesigned tank cap and choke, the Combi is simple to start in any weather.

### We take care

The HAPS system (Hand Arm Protection System) makes the Cobra unique. It lets you do heavy duty work more than two times longer compared to other petrol driven breaker models.



### Easily switch between breaking and drilling

Move the function selector up for breaking and down for drilling. The drilling function engages rotation and air flushing.

### Speed and impact

The Cobra Combi is a powerful drill and efficient all-round breaker.

## COBRA® COMBI

### Function selector

Move the selector downwards for drilling. This will engage rotation and air flushing. For breaking, just move it upwards.



The Plonjar 120, for military use

## Backpack model for military and civil defense rescue



### Multi-purpose saves lives

With the Cobra Combi you can drill up to 30 cm per minute, you can break concrete and asphalt. In the long run multi-purpose means more lives saved.

### Never mind the cables


Compressors, hoses or cables never get in the way when you're working with a Cobra, because they're not there at all.

### Carry on Cobra


It only takes one person to carry a Cobra, either in the handle or in the specially designed harness. Strap it on your back and go where you're needed the most.

# Chisels and accessories

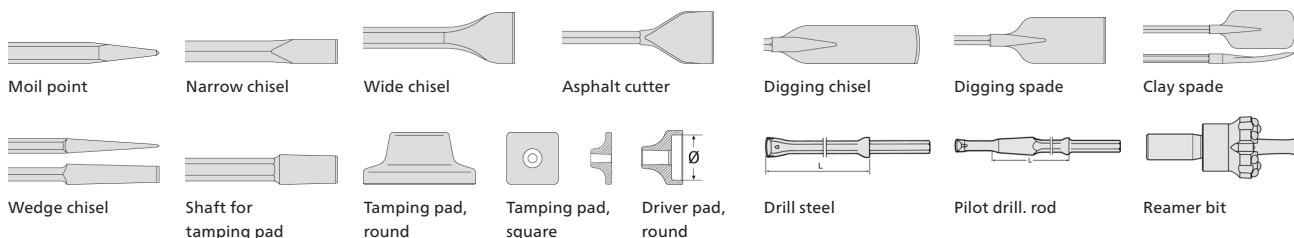
## PROe, PROi, TTe

 Shank H 28 x 160 mm	Working length	Tip width	Weight	Part number
	mm	mm	kg	
Moil point	380	-	2.8	3083 3271 00
	450	-	3.3	3083 3272 00
	1,000	-	6.3	3083 3273 00
Narrow chisel	380	-	2.8	3083 3274 00
	450	-	3.3	3083 3275 00
	1,000	-	6.3	3083 3276 00
Wide chisel	380	75	3.1	3083 3277 00
Asphalt cutter	300	115	3.6	3083 3278 00
Digging chisel	380	75	4.0	3083 3279 00
Digging spade	380	125	4.7	3083 3280 00
Clay spade	380	140	5.4	3083 3281 00
Wedge chisel	400	40	3.9	3083 3282 00
Tie tamper	400	100	4.3	3083 3319 00
Spiking tool	195	-	4.6	9245 2826 81
Shaft for tamping pad	230	-	2.8	3083 3283 01
Tamping pad, round	-	180	7.2	3083 3301 00
Tamping pad, square	-	150	8.3	3083 3302 00
	-	200	8.5	3083 3197 00
Driver, blank	-	80	3.5	9245 2827 10
Driver pad	-	120	-	3376 1120 79
	-	150	-	3376 1120 77


## PROe, PROi, TTe

 Shank H 32 x 160 mm	Working length	Tip width	Weight	Part number
	mm	mm	kg	
Moil point	380	-	3.5	3083 3205 00
	450	-	4.0	3083 3206 00
	1,000	-	7.6	3083 3207 00
Narrow chisel	380	-	3.5	3083 3208 00
	450	-	4.0	3083 3209 00
	1,000	-	7.6	3083 3210 00
Wide chisel	380	75	3.7	3083 3211 00
Asphalt cutter	300	115	3.8	3083 3212 00
Digging chisel	380	75	4.4	3083 3213 00
Digging spade	380	125	5.1	3083 3214 00
Clay spade	380	140	5.4	3083 3215 00
Wedge chisel	400	40	4.1	3083 3216 00
Tie tamper	400	100	4.9	3083 3217 00
	580	100	6.2	3083 3217 10
Spiking tool	195	-	4.6	9245 2826 81
Shaft for tamping pad	230	-	3.2	3083 3218 01
Tamping pad, round	-	180	7.2	3083 3301 00
Tamping pad, square	-	150	8.3	3083 3302 00
	-	200	8.5	3083 3197 00
Driver, blank	-	80	3.5	9245 2827 10
Driver pad	-	120	-	3376 1120 79
	-	150	-	3376 1120 77

Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability. More accessories can be found in the spare part lists: Cobra® PROe 9800 1654 01, TTe 9800 1632 01, Combi 9800 0952 01



## PROe, PROi, TTe

 Shank H 25 x 108 mm	Working length	Tip width	Weight	Part number
	mm	mm	kg	
Moil point	380	-	-	3083 3253 00
Narrow chisel	380	-	-	3083 3254 00
Wide chisel	380	75	-	3083 3255 00
Asphalt cutter	380	125	-	3083 3256 50
Digging chisel	430	125	-	3083 3256 00
Digging spade	380	75	-	3083 3257 00
Clay spade	380	120	-	3083 3033 00
Frost wedge	380	35	-	3083 3258 00
Tie tamper	380	100	-	3083 3258 50
Shaft for tamping pad	280	-	-	3083 3259 00
Tamping pad, round	-	100	-	3083 3252 10
Tamping pad, square	-	40	-	3083 3239 00
Post hole pad	-	175	-	9245 2822 30
Driver pad	-	175	-	9245 2817 90

## Cobra Combi

 Shank H 22 x 108 mm	Working length	Tip width	Weight	Part number
	mm	mm	kg	
Drill steel	1,200	32	4.3	3310 1016 99
	800	33	3.1	3310 1016 86
	400	34	1.8	3310 1016 89
Reamer bit	-	76	1.2	3310 1024 81
Pilot drill. rod	800	26	3.3	3310 1024 82
	390	90	3.0	3083 3237 00
Tie tamper	460	90	3.3	9245 2823 30
	550	90	3.9	9245 2822 40
Moil point	350	-	1.5	3083 3228 00
	480	-	2.0	3083 3229 00
Narrow chisel	240	45	1.2	3083 3231 00
	340	45	1.4	3083 3230 00
	450	45	2.0	3083 4071 00
Wide chisel	380	75	2.6	3083 3232 00
	450	75	3.1	3083 4072 00
Asphalt cutter	350	125	3.0	9245 2812 90
Digging chisel	280	75	2.7	3083 3233 00
Digging spade	330	120	3.2	3083 3234 00
Wedge set, 29 mm	-	29	1.5	9245 2813 81
Wedge set, 34 mm	-	34	2.1	9245 2813 51
Wedge hammer	195	Ø 42	2.0	3083 3241 00
Clay spade	350	125	3.4	3083 3235 00
Wedge chisel	380	35	2.8	3083 3236 00
Shaft for pad	185	-	1.3	3083 3238 00
Tamping pad, square	-	175	6.0	3083 3239 00
Driver, blank	195	Ø 55	2.5	9245 2822 80
Driver pad, round	-	Ø 100	2.5	9245 2817 90
Post hole driver	460	Ø 40	4.5	9245 2822 31

Accessories	Size	Part number
Fuel can	5 L	9234 0008 97
Carrying harness	-	9238 2814 10
Guide roller	-	9234 0009 38
2-stroke oil	1 L	9238 2743 50
Trolley	-	9234 0006 54
Transport box PROe/TTe	-	9234 0009 91

# Power Technique Solutions Portfolio

Atlas Copco's Power Technique Business Area has a forward-thinking philosophy. For us, creating customer value is all about anticipating and exceeding your future needs – while never compromising our environmental principles. Looking ahead and staying ahead is the only way we can ensure we are your long term partner.

## Air compressors

### Ready to go



- 1-5 m<sup>3</sup>/min
- 7-12 bar

### Versatility



- 5.5-22 m<sup>3</sup>/min
  - 7-20 bar
- \*Diesel and electric options available

### Productivity partner



- 19-116 m<sup>3</sup>/min
- 10-345 bar

## Handheld tools

### Pneumatic tools



- Breakers (2,5 – 40 kg)
- Rockdrills (5 – 25 kg)
- Underground Rock Drills
- Additional Air Tools

### Hydraulic tools



- Breakers (11 – 40 kg)
- Additional Hydraulic Tools
- Powerpacks

### Petrol engine driven tools



- Breakers & Tie Tampers (25 kg)
- Rockdrills (23 Kg)

### Generators



- Portable
- Mobile
- Industrial

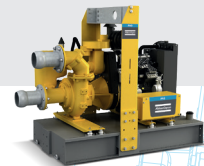
\*Multiple configurations available to produce power for any size application

### Light towers



- Diesel LED and MH
- Electric LED
- Battery LED

### Dewatering pumps



- Submersible
- Surface
- Small portable

\*Diesel and electric options available

Photos and illustrations contained herein might depict products with optional and/or extra components which are not included with the standard version of the product and, therefore, are not included in a purchase of such product unless the customer specifically purchases such optional/extra components. We reserve the right to change the specifications and design of products described in this literature without notice. Not all products are available in all markets.