SILENT DECONSTRUCTION TOOLS

Our cutters, steel shears, pulverizers, grapples, bucket crushers and magnets offer a great combination of high and constant cutting forces, short cycle times and high availability – that's what we call sustainable productivity.

Atlas Copco

Our product range for demolition and recycling

CC combi cutters

5 models
Weight: 1,750–7,100 kg
Carriers from 15–85 t

CB concrete busters

4 models
Weight: 320–2,600 kg
Carriers from 2–35 t

DP demolition pulverizers

2 models
Weight: 2,070–2,930 kg
Carriers from 18–35 t

BP bulk pulverizers

2 models
Weight: 2,090–3,790 kg
Carriers from 18–40 t

MG multi grapples

13 models
Weight: 90–5,300 kg
Carriers from 0.7–80 t

BC bucket crushers

4 models
Weight: 2,250–6,050 kg
Carriers from 18–54 t

SC steel cutters

5 models
Weight: 2,500–8,250 kg
Carriers from 16–65 t

HM hydro magnets

2 models
Weight: 1,550–2,000 kg
Carriers from 12–45 t

Demolition tools for demanding jobs

Concrete production rose dramatically in the 50s and reached its high point at the start of the 70s. Based on an average service life of structures of 50 to 70 years there is a drastic increase in demolition waste in the first 20 years of this century.

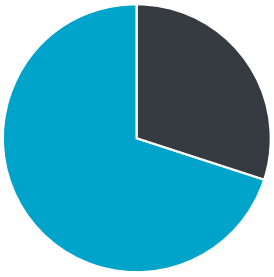
Sorting, loading and recycling can be an obligation but also an opportunity: with landfill costs rising, recycling building materials has become a profitable business.

EU demands for 70 % recycling quota

The EU directive on waste management (Nov 2008) sets a recycling quota of 70 % for construction and demolition waste by year 2020.

Take your share in this growing business with targeted machines and equipment that turn mechanised demolition into a fast, cost effective and precision process.

Wherever contractors need to minimize noise and vibration during demolition, guarantee high precision in selective demolition jobs, or deal with concrete, rebar and even steel girders in one and the same process, our silent demolition tools provide the answer.



Powerful, fast and cost efficient

There's much to gain by breaking the material with only one bite instead of two.

Our silent deconstruction tools are designed for extremely high breaking force and short opening/closing time. This means: faster operation, less fuel consumption and less operator cost.

Low cost of ownership

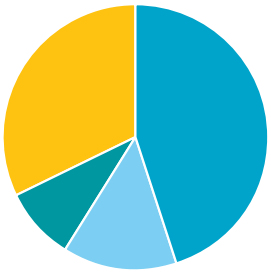
Your total cost of ownership is the sum of all costs generated by a piece of equipment throughout its lifetime.

They can normally be divided into investment costs and operating costs. Investment costs are fixed costs that normally represent a smaller part of the total cost involved. Operating costs are variable, they are directly related to the length of the equipment's lifetime and may vary depending on local conditions. The pie chart shows the average over the economic lifetime.

We always strive to use the required resources, like energy and manpower, in the most effective way. Our highly efficient and productive equipment contributes to profitable business.

Cost of ownership

45 % Operator
14 % Investment
9 % Parts & Service
32 % Energy



Example: CC 2500 on a 33 ton carrier in Germany, figures may vary depending on cutter and excavator type and country.

The right tool for every step of the process

When it comes to demolishing buildings, there are two basic approaches: demolition with steel separation and waste disposal, or deconstruction with re-use of material. Our demolition tools can be used in both methods, either on their own or in tandem.

Demolition – the conventional way with steel separation and disposal

In demolition with only partly separation of materials, the fabric of the building is destroyed and broken down into transportable sizes, also after blasting.

The demolition rubble is a mixture of many materials which makes profitable recycling difficult.

You can benefit from selling steel but disposal cost is increasing and economic demolition calls for secondary reduction and separation of material for re-cycling and re-use.

First way of conventional demolition

Cutting

Crushing/separating

Selling steel/disposing

Second way of conventional demolition

Cutting/crushing/sorting

Selling steel/disposing

Deconstruction – the competence process from demolition to recycling and re-use of material

All construction material is dismantled and sorted in accordance with their material composition.

The main objective of this selective approach is to maximize the recyclability of the demolished materials.

In the EU directives set a recycling quota of 70 % for construction and demolition waste until 2020, so it is evident to have a thorough process knowledge.

Cutting

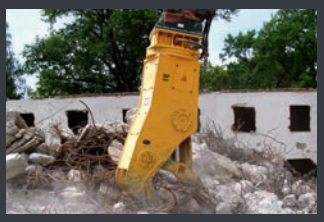
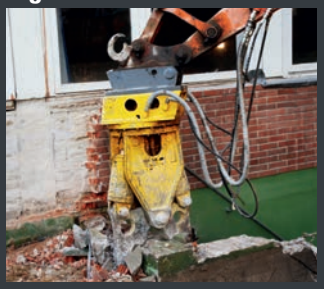
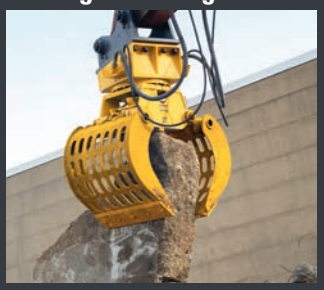
Sorting

Processing/crushing

Refilling/compacting

Find the demolition tool that suits you

Our full range of hydraulic demolition tools covers the whole process from breaking and crushing to downsizing, sorting, cleaning and loading.

			CC U	CC S	DP	BP	CB	MG	BC	SC	HM
Reinforced concrete											
	**Primary demolition**	› Heavy foundations › Prefabricated elements › Floors › Beams › Pillars › Struts	●	–	●	–	●	–	–	–	–
	Secondary demolition		●	–	●	●	●	–	–	–	–
	Separating rebars		–	–	●	●	●	–	○	–	○
Non-reinforced concrete											
	**Primary demolition**	› Light foundations › Bases › Wall elements › Plaster › Flagstones	●	–	●	–	○	–	–	–	–
	Wall elements		●	–	●	–	–	○	○	–	–
	Secondary demolition		●	–	●	●	–	–	●	–	–
Steel structures											
	**Cutting steel profiles**	› Double T-profile › U-profile › L-profile › Tubes	–	●	–	–	–	–	–	●	–
	Cutting steel girders/ beams		–	●	–	–	–	–	–	●	–
	Cutting reinforcement		–	●	–	–	–	–	–	●	–
Light demolition											
	**Light structure**	› Brickwork › Autoclaved aerated concrete › Natural stone › Beams › Timber › Planks	–	–	–	–	●	●	–	–	–
	Masonry		–	–	–	–	●	●	–	–	–
	Beams		○	○	○	○	●	○	–	–	–
	Inside renovation		–	–	–	–	●	●	–	–	–
Sorting & loading											
	**Sorting**	› Bulk material	–	–	–	–	–	●	○	–	●
	Waste handling		–	–	–	–	–	●	●	–	●
	Cleaning sites		–	–	–	–	–	●	–	–	●
	Loading		–	–	–	–	–	●	–	–	●

● Optimal ○ Suitable — Unsuitable

Concrete and steel are no longer a challenge

With the design of the new generation of CC combi cutters, we have succeeded in developing a remarkable combination of high crushing force, short cycle times and a high dependability.

CC combi cutters are extremely productive and efficient attachments.

They can be used for practically any kind of demolition work, from stripping demolition and reconstructing interior to heavy-duty industrial demolition and cutting steel profiles.

Cutting jaws and wear parts are quickly and easily replaced on site.

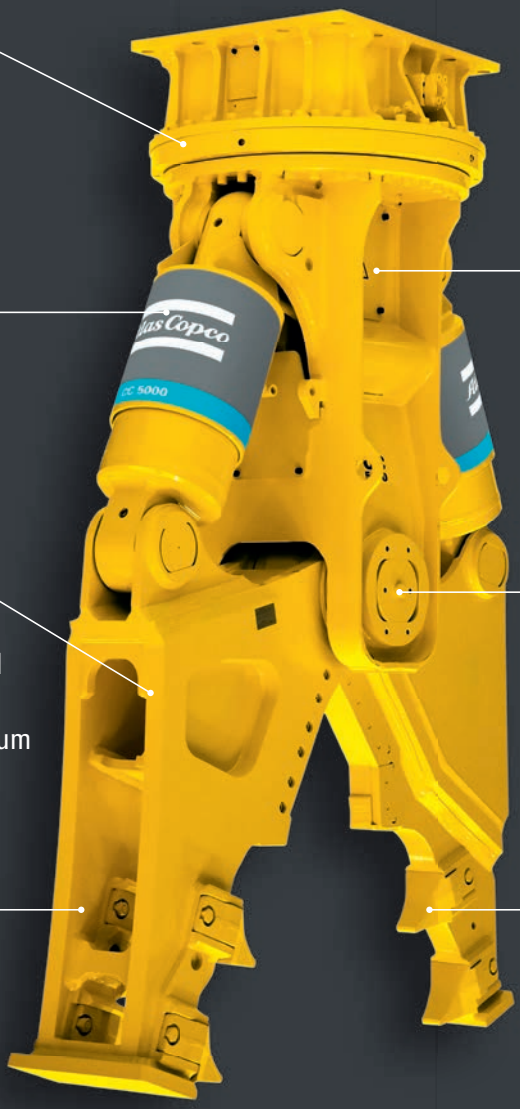
CC 5000 U

Excellent handling
Thanks to 360° hydraulic rotary drive as standard.

Power enables control
Two powerful hydraulic cylinders deliver virtually constant closing force.

Robust
The combination of a single and double jaw both fitted in a very robust cutter body offer maximum stability under extreme strain.

Bigger bites, higher efficiency
Wide jaw openings increase the volume per bite, save time and make the combi cutter suitable for more applications.



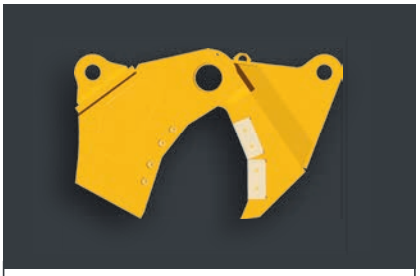
More speed, less consumption
Speed valves shorten the working cycle time thus less fuel consumption during operation.

Easy maintenance
The CC design concept allows easy change of jaws according to application.

Higher force saves time
High power at the jaw tips, even when the jaw is almost closed, helps to demolish structures with fewer bites.

Applications:

U-VERSION
(universal)
- Light-to medium-duty building demolition
- Heavy-duty industrial demolition (heavily reinforced concrete)
- Cutting steel profiles (general structural steels)
- Secondary reduction
- Material separation



S-VERSION
(steel-cutting)
- Demolition of steel structures (general structural steels)
- Secondary reduction
- Material separation

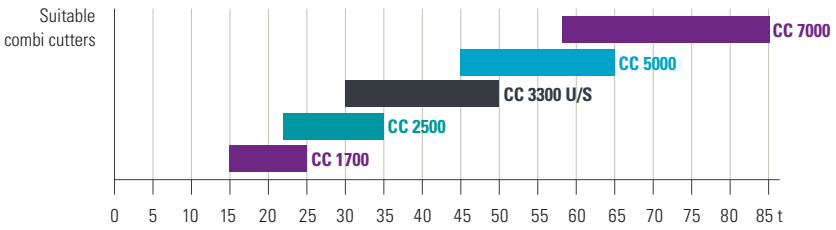
Performance for you

All models are FEM-optimized to meet the toughest requirements.

The stable cutter body features two powerful hydraulic cylinders, including highspeed valves for minimum cycle times.

The modular design allows each unit to be equipped with different jaws, depending on the type of work to be accomplished.

Carrier weight classes
This table provides a rough guide. For a perfect fit between carrier and attachment, contact your Atlas Copco customer center or your local dealer.



COMBI CUTTERS		CC 1700 U	CC 1700 S	CC 2500 U	CC 2500 S	CC 3300 U	CC 3300 S
Carrier weight class[1]	t	15–25		22–35		30–50	
Service weight[2]	kg	1,900	1,750	2,840	2,550	3,480	3,280
Jaw opening/max.	mm	740	370	860	400	1,000	440
Jaw depth	mm	615	430	725	460	765	625
Blade length	mm	350	380	350	380	525	525
Cutting force – upper blades	t	225		370		510	
Cutting force – jaw tip	t	–	79	–	130	–	141
Crushing force – jaw tip	t	57	–	90	–	109	–
Operating pressure	bar	350		350		350	
Oil flow	l/min	150–250		150–250		220–350	
Closing cycle[3]	sec.	1.6		2.9		2.8	
Opening cycle[3]	sec.	1.7		3.1		3	
Max. operating pressure, rotation	bar	170		170		170	
Oil flow, rotation	l/min	35–50		35–50		35–50	
Safety and Operating Instructions		3390 5141 01		3390 5147 01		3390 5148 01	

COMBI CUTTERS		CC 5000 U	CC 5000 S	CC 7000 U	CC 7000 S
Carrier weight class[1]	t	45–65		58–85	
Service weight[2]	kg	5,050	4,830	7,100	6,750
Jaw opening/max.	mm	1,300	720	1,400	750
Jaw depth	mm	1,090	865	1,150	900
Blade length	mm	525	875	525	875
Cutting force – upper blades	t	620		830	
Cutting force – jaw tip	t	–	198	–	205
Crushing force – jaw tip	t	155	–	180	–
Operating pressure	bar	350		350	
Oil flow	l/min	350–450		450–550	
Closing cycle[3]	sec.	3.2		3.7	
Opening cycle[3]	sec.	3.7		3.7	
Max. operating pressure, rotation	bar	115		115	
Oil flow, rotation	l/min	50		50	
Safety and Operating Instructions		3390 5181 01		3390 5181 01	

[1] Weight apply to standard carriers only. Any variations must be agreed with Atlas Copco and/or the carrier manufacturer.
[2] Combi Cutter with medium-sized adapter.
[3] With max Oil flow.

Combining demolition and pulverizing

Our DP demolition pulverizers, although conceived first and foremost for primary demolition of concrete and rebar, ideally combine the characteristics of a demolition attachment with an excavated material pulverizer.

The universal use of the DP demolition pulverizer for concrete pulverization work in both primary and secondary demolition reduces your investment and operation costs.

DEMOLITION PULVERIZERS		DP 2000	DP 2800
Carrier weight class[1]	t	18–27	25–35
Service weight[2]	kg	2,070	2,930
Jaw opening/max.	mm	780	965
Jaw depth	mm	650	930
Blade length	mm	190	350
Cutting force – upper blades	t	265	320
Crushing force – jaw tip	t	85	100
Operating pressure	bar	350	350
Oil flow	l/min	150–250	250–350
Closing cycle[3]	sec.	4	4
Opening cycle[3]	sec.	4	4
Max. operating pressure, rotation	bar	170	170
Oil flow, rotation	l/min	35–50	35–50

[1] Weight apply to standard carriers only. Any variations must be agreed with Atlas Copco and/or the carrier manufacturer.
[2] Pulverizer with medium-sized adapter.
[3] With max Oil flow.

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 3390 5078 01) at www.acprintshop.com

DP 2800

Excellent handling
Hydraulic rotation drive for solid and precise handling.

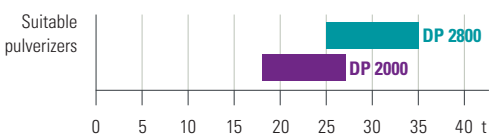
Lower cost of ownership
Extremely robust design of the moving jaw and the housing for longer service life even under extreme stresses.

More speed, less consumption
Speed valves shorten the working cycle time thus less fuel consumption during operation.

New teeth in less time
Wear parts (crushing teeth, tooth plates, cutting blades) can be replaced simply on site, which reduce downtimes and transport costs to repair shop.

Higher force saves time
High power at the jaw tips, even when the jaw is almost closed, helps to demolish structures with fewer bites.

Carrier weight classes
This table provides a rough guide. For a perfect fit between carrier and attachment, contact your Atlas Copco customer center or your local dealer.

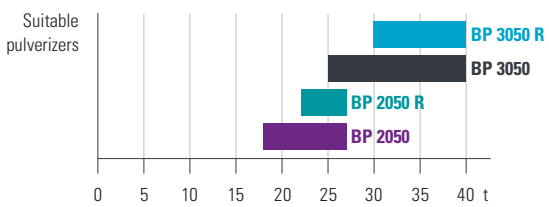


Design follows function

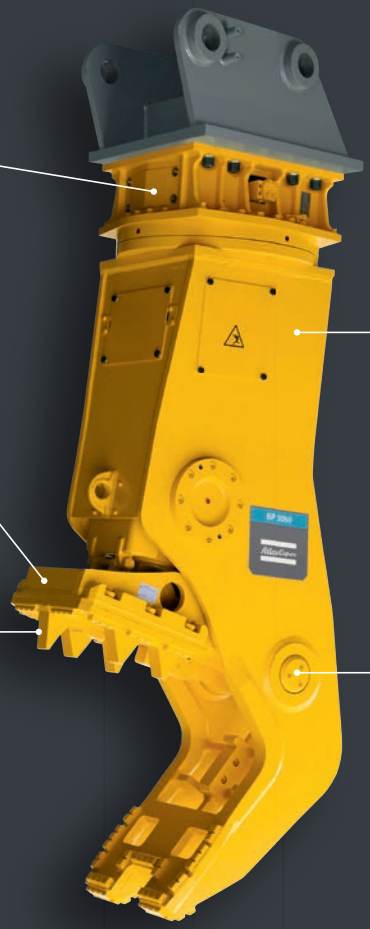
Thanks to their angled shape, our BP bulk pulverizers are ideal for secondary demolition and additional reduction of reinforced concrete elements: the broad jaw makes it easy to feed in demolition material on the ground, which helps to speed up work and enables the clean separation of rebar and concrete and their subsequent reduction into grain sizes suitable for crushing or use as backfill.

The optional hydraulic rotation drive also makes it possible to use the BP bulk pulverizer for a more efficient primary demolition of ceilings and walls. Another proof of a very functional design.

Carrier weight classes
This table provides a rough guide. For a perfect fit between carrier and attachment, contact your Atlas Copco customer center or your local dealer.



BP 3050 R



Excellent handling
Optional hydraulic rotation drive for solid and precise handling.

Lower cost of ownership
Extremely robust design of the moving jaw and the housing for longer service life even under extreme stresses.

Efficient demolition, big volume
High power at the jaw tips, even when the jaw is almost closed, helps to demolish structures with less bites. Huge jaw dimensions for high throughput.

More speed, less consumption
Speed valves shorten the working cycle time thus less fuel consumption during operation.

Save time on maintenance
Simple replacement of wear parts for quick and easy maintenance.

BULK PULVERIZERS			BP 2050	BP 2050 R	BP 3050	BP 3050 R
Carrier weight class[1]		t	18–27	22–27	25–40	30–40
Service weight[2]		kg	2,090	2,560	3,100	3,790
Jaw opening/max.		mm	875		1,020	
Jaw depth		mm	610		650	
Blade length		mm	190		190	
Cutting force – upper blades		t	290		365	
Crushing force – jaw tip		t	90		115	
Operating pressure		bar	350		350	
Oil flow		l/min	150–250		250–350	
Closing cycling[3]		sec.	2.5		2.7	
Opening cycle[3]		sec.	2.9		2.9	
Max. operating pressure, rotation		bar	–	170	–	170
Oil flow, rotation		l/min	–	35–50	–	35–50
Min. inside diameter hoses and pipes		mm	25		25	
	DIN EN 10080	mm	1x Ø 28		1x Ø 38	

[1] Weight apply to standard carriers only. Any variations must be agreed with Atlas Copco and/or the carrier manufacturer.
[2] Pulverizer with medium-sized adapter.
[3] With max Oil flow.

Important: More detailed technical specifications are available in the product Safety and Operating Instructions at www.acprintshop.com

The new universal Concrete Buster: less weight, more power

- Made for cracking foundation walls with a thickness of up to 900 mm
- CB 2500 comes with the maximum jaw opening of its class: 1,100 mm
- Cracking force of 100 tons

Light-duty Concrete Busters
The simple, solid design of our CB 350, CB 750 and CB 950 models makes them not only very light, but also extremely rugged and dependable.

They are ideal for attachment to mini-excavators and simple to use.

CB 2500

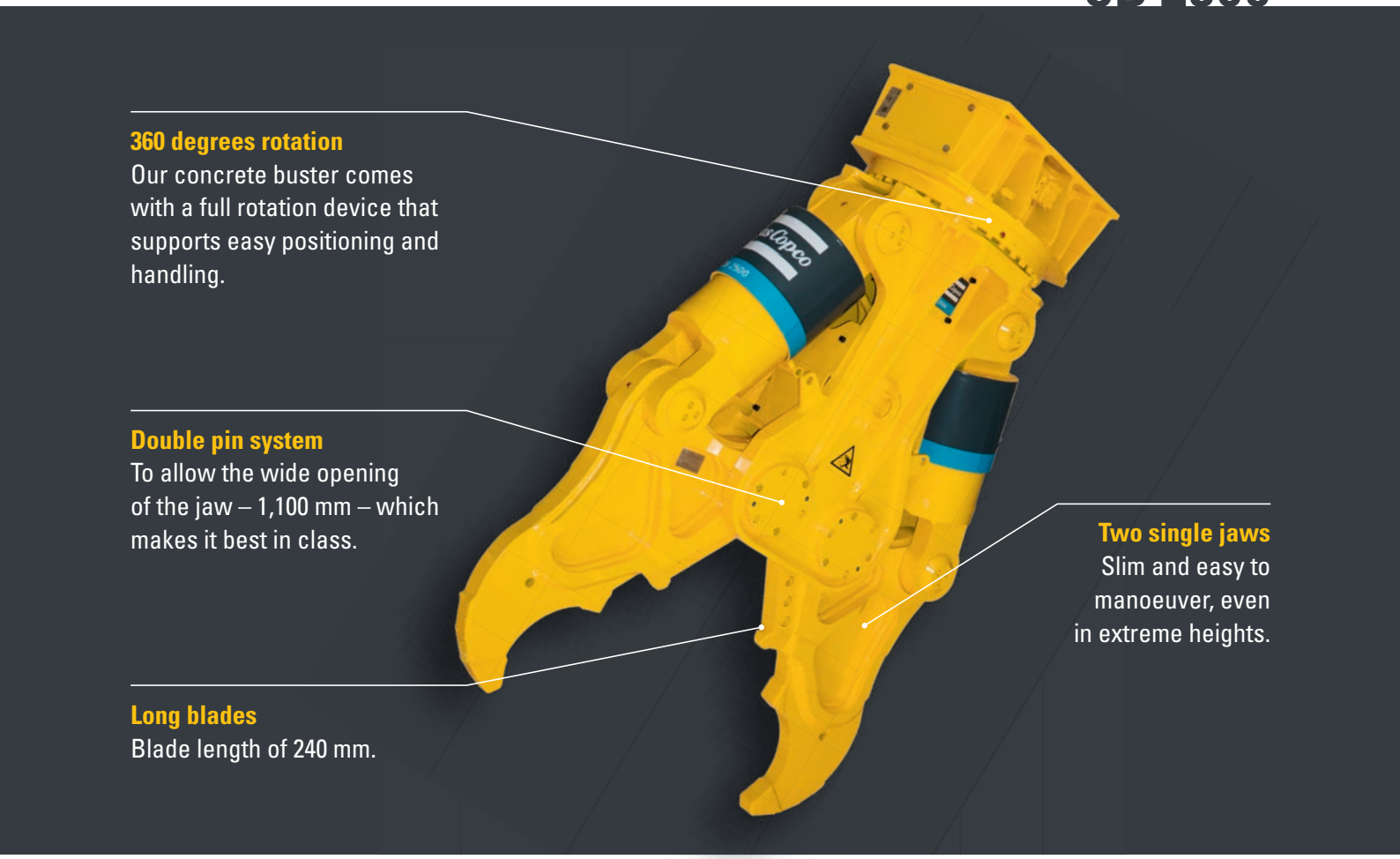
IDEAL FOR HIGH REACH OR LONG FRONT CARRIERS

› With the low weight of 2,580 kg ideal for cracking girder and heavy concrete in extreme height

PRIMARY CRACKING WHEN NOISE IS AN ISSUE

› Can be used in residential areas where hydraulic breakers are not permitted

CB 2500



CONCRETE BUSTERS		CB 350	CB 750	CB 950	CB 2500
Carrier weight	t	2–8	7–14	12–20	20–35
Service weight	kg	320	730	940	2,600
Delivery weight	kg	290	617	794	2,370
Crushing force – jaw tip	t	40	45	55	100
Length	mm	907	1,374	1,700	2,260
Width	mm	752	752	1,039	1,560
Depth	mm	360	540	540	690
Jaw opening	mm	380	480	680	1,100
Jaw depth	mm	219	269	324	750
Cutting blade length	mm	90	140	140	240
Operating pressure	bar	300	350	350	350
Oil flow	l/min	50–90	90–180	90–180	250

Sort and recycle all fractions

Thanks to their particularly robust design, our MG multi grapples are suitable both for sorting and loading demolished materials as well as for demolishing light buildings (masonry, wooden structures). Our multi grapple concept is

MULTI GRAPPLES		MG 100	MG 200	MG 300	MG 400	MG 500	MG 800
Carrier weight class[1]	t	0.7–1.2	1.2–3	2–5	4–8	5–9	10–16
Service weight[2]	kg	90	175	290	450	460	825
Max. closing force	t	0.6	1.5	2	2.3	2.4	3.8
Oil flow, open/close	l/min	15	25	35	40	35–50	70–100
Operating pressure, o/c	bar	300	300	300	300	300	350
Rotary drive		hydr.	hydr.	hydr.	hydr.	hydr.	hydr.
Oil flow, rotation	l/min	3–5	5–10	5–10	10–15	10–15	20–25
Operating pressure, rotation	bar	150–170	150–170	150–170	150–170	150–170	150–170
Capacity	l	30	70	100	150	200	400
Jaw opening	mm	600	900	1,187	1,480	1,585	1,791
Grapple width	mm	310	450	500	600	700	800

MULTI GRAPPLES		MG 1000	MG 1500	MG 1800	MG 2300	MG 2700	MG 3000	MG 5000
Carrier weight class[1]	t	12–20	16–24	20–28	25–38	28–45	35–50	45–100
Service weight[2]	kg	1,150	1,700	1,800	2,280	2,750	3,250	5,300
Max. closing force	t	4.6	6.8	6.8	8	9	9	13
Oil flow, open/close	l/min	85–120	120–170	150–170	160–180	180–200	180–200	280–300
Operating pressure, o/c	bar	350	350	350	350	350	350	350
Rotary drive		hydr.	hydr.	hydr.	hydr.	hydr.	hydr.	hydr.
Oil flow, rotation	l/min	20–25	30–35	30–35	30–35	30–35	30–35	50–60
Operating pressure, rotation	bar	150–170	150–170	150–170	150–170	150–170	190–210	190–210
Capacity	l	500	800	850	900	1,000	1,300	1,600
Jaw opening	mm	1,900	2,100	2,100	2,300	2,270	2,460	3,000
Grapple width	mm	800	1,020	1,200	1,200	1,200	1,500	1,500

Data for MG 100 – MG 500 at 300 bar, MG 800 – MG 5000 at 350 bar operating pressure
[1] Weights apply to standard carriers only. Any variances must be agreed with Atlas Copco and/or the carrier manufacturer prior to attachment.
[2] with medium-sized adapter, without extra blades.
Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 3390 5068 01) at www.acprintshop.com

offering low operating weight with high gripping volume. Maximum loading performance and high gripping force help to increase your demolition performance.

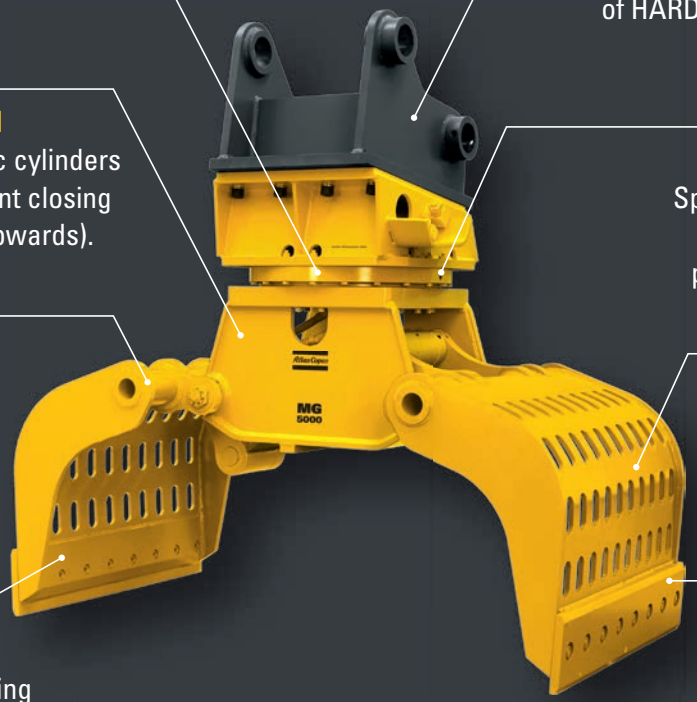
MG 5000

Excellent handling
Thanks to 360° hydraulic rotary drive as standard.

Power enables control
Two powerful hydraulic cylinders deliver virtually constant closing force (from MG 1000 upwards).

Steady grip
Two rotation engines (from MG 1000 upwards) for reliable handling of gripped material.

Precision handling
Synchronized jaw closing facilitates handling of thin material.



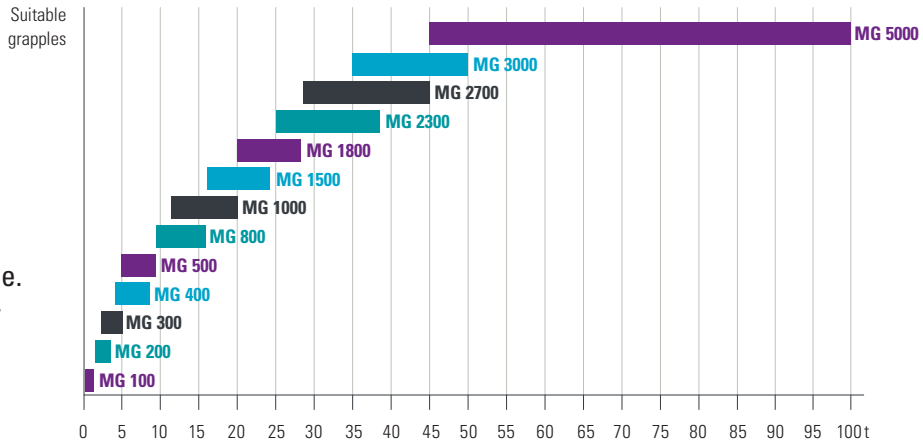
Extremely robust for the toughest job
The grapples and housing are made of HARDOX steel to withstand rough and tough conditions.

Durable all the way
Special heat-treated chromed cylinder rods provide better protection against damages.

High capacity
For increased efficiency in sorting and loading applications.

Lower cost of ownership
Replaceable and reversable blades reduce cost of ownership.

Carrier weight classes
This table provides a rough guide. For a perfect fit between carrier and attachment, contact your Atlas Copco customer center or your local dealer.



On-site crushing made easy

BC bucket crushers are an innovative answer to crushing requirements on today's worksites. Using a rig-mounted bucket crusher, all types of inert demolition material can be crushed and re-used on site. This process requires less mechanical equipment, less transportation and dumpsite cost and only one operator who handles the demolition attachment as well as the bucket crusher.

Top performance at low cost
Less transportation or dumpsite cost. Crushed material can be directly re-used on site or sold to third parties. Our new range of bucket crushers offers up to 30 % higher output than it's predecessor models.

For all types of inert material
A bucket crusher can handle all types of inert material such as asphalt, stone and concrete debris as well as mine and quarry material.

Ideal for urban worksites
The use of a traditional crusher is often hindered by its size. BC bucket crushers can be an alternative at urban worksites and in confined spaces.

BC 3700

Reversible running direction
for easy removal of jammed material. In case the material gets blocked, the operator can simply change the rotation direction to push the material back into the inlet and thus easily remove the blockage.

Quick and easy adjustment
of the crushing size "granulometry". The intuitive functionality can adjust the required jaw outlet without any special tools – in next to no time.

Sophisticated and reliable drive system
provides maximum torque. Two powerful hydraulic motors and a sturdy timing belt that is designed for a maximum service life providing a huge torque from the very start. Forget about blockages and use the full loading capacity of your bucket crusher.

Unrivaled performance
thanks to the unique circular crushing cycle.

Designed for maximum uptime
at minimum maintenance efforts.

Compact and robust design
without any protruding components. The drive system is internally mounted and allows a narrower shape without compromising the loading capacity. For enhanced usability and improved reliability.

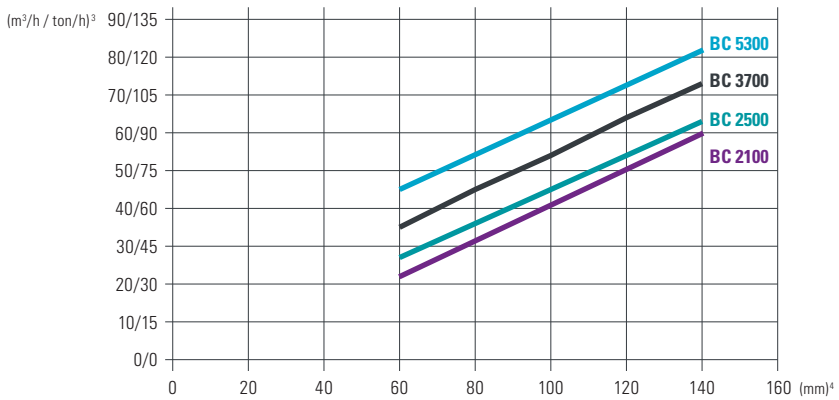
The automatic anti-lock mechanism
ensures constant productivity continuous repositioning of the material ensures that even larger pieces are headed automatically into the direction of the crushing jaw.

Wear resistant and fatigue endurable
materials for maximum lifetime.

BUCKET CRUSHERS		BC 2100	BC 2500	BC 3700	BC 5300
Carrier weight class[1]	t	18 – 28	22 – 35	28 – 40	35 – 54
Service weight[2]	kg	2,250	2,870	4,290	6,050
Oil flow	l/min	140 – 160	160 – 180	180 – 200	300
Operating pressure min.	bar	250	250	250	320
Dimensions (W x L x H)	cm	93 x 205 x 120	93 x 247 x 150	107 x 258 x 160	128 x 283 x 170
Loading capacity	m^3	0.5	0.8	1	1.2

[1] Weights apply to standard carriers only. Any variances must be agreed with Atlas Copco and/or the carrier manufacturer prior to attachment.
[2] with medium-sized adapter and interm. plate

PRODUCTION ON MEDIUM TENACITY MATERIAL
(UNDER OPTIMAL CONDITIONS)

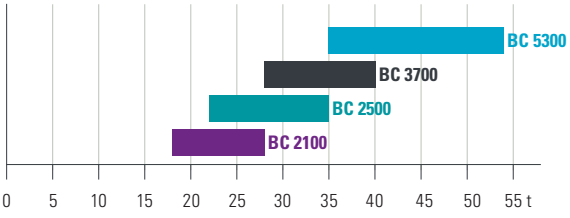


[3] Values ton/h calculated considering an estimated weight of material 1,5 ton/m^3. The result may also vary according to carrier condition, operator ability and other factors that the bucket crusher cannot influence.
[4] Output opening adjustment in mm.

Carrier weight classes

This table provides a rough guide. For a perfect fit between carrier and attachment, contact your Atlas Copco customer center or your local dealer.

Suitable bucket crushers



New range of Steel Cutters: from 2,500 kg up to 8,250 kg

› For industrial demolition and scrap yards
› Cutting steel of any dimensions

OUR MAIN OBJECTIVE

› A product that supports operational continuity
› minimal operational costs
› optimal availability

REPLACEABLE BLADES

All Steel Cutters are fitted with replaceable blades and a completely encased nose blade. The jaw's design ensures that the material is forced deep into the jaw, where the cutting power is the strongest. All four cutting edges can be used.

AUTO – GUIDING SYSTEM FOR THE JAW

› The jaw is equipped with an auto-guiding system.

ROTATION PART

The SC range has a strong rotating headpiece, highly dimensioned with a double-rowed slewing ring.

CARRIER WEIGHT CLASS

Between 16 and 65 t, depending on being stick or boom mounted (second or third member)

SC 6200 R

Bi-directional 360 degree rotation
Fast and precise positioning. Large slewing ring for work in horizontal position.

Service window
Allows easy access to all service points.

Replaceable knives
Our steel cutter comes with repleceable cutting knives. The nose knives are completely encased.

Well balanced hydraulics
Less restrictions, less load, less fuel consumption

Fast cycle time
A speed valve, integrated into the hydraulic cylinder, supports fast closing cycles and effortless switch from speed to power mode.

Strong and durable
The cutter body consists of high-grade and wear-resistant material, which makes it so long-lasting.

Auto Guide
Easy blade adjustment supports an uniform blade gap

STEEL CUTTERS		SC 2500 R	SC 3600 R	SC 4500 R	SC 6200 R	SC 8300 R
Carrier weight – boom mounted	t	16	20	25	30	45
Carrier weight – stick mounted	t	21	32	38	50	65
Service weight without adapter	kg	2,500	3,590	4,440	6,180	8,250
Breaking force tip	t	130	156	168	201	242
Length	mm	2,657	3,275	3,635	3,980	4,835
Jaw opening	mm	445	607	750	782	947
Jaw depth	mm	416	544	625	701	903
Operating pressure	bar	350	350	350	350	350
Oil flow	l/min	240	450	450	450	750
Hole pattern		HB 2000 – HB 2500	HB 3100 – HB 4700	HB 3100 – HB 4700	HB 7000	HB 10000

Broaden your business, turn waste into profit

A HM hydro magnet is a highly efficient way of adding magnetic lifting capability to your fleet of hydraulic handlers. The magnet will help you save on equipment repair and down-time; and allow you to turn scrap metal into a profitable income source. A HM hydro magnet attaches easily to any hydraulic carrier and is ideal for demolition sites, scrap yards and recycling facilities.

Why leave money lying on the ground?
Most demolition waste contains iron and steel. This material is both recyclable and valuable. With our hydro magnet, you can collect this metal quickly and easily – and turn waste into profit.

Remove hazards. Prevent damage. Reduce down-time.
Scrap metal and rebars lying around on sites can be a safety hazard. The metal may cause flat tires on the trucks and damage to equipment such as crushers and conveyer belts. With our hydro magnet you can collect this scrap metal effectively and protect both your workforce and your equipment. Your site will be safer and cleaner – and you'll save money on maintenance and repairs.

HM 2000

Hydraulic power control
automatic flow and pressure control via sophisticated flow divider

Generator
maintenance-free, controlled electronically, up to 25 % faster draw/drop cycles, corrosion-free body

Digital generator control device in water-proof casing
protects against electrical shorts, over-heating and power fluctuations

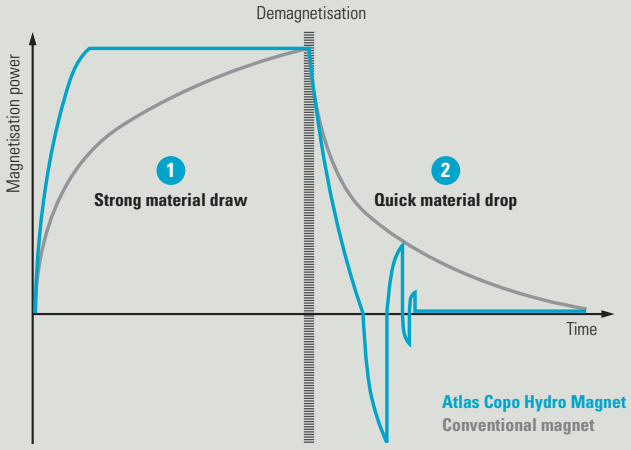
Multi-functional diagnostic panel in water-proof casing
indicates current working status and informs of faults

Magnetic plate made for tough conditions
hermetically-sealed steel casing protects the magnetic coil from impact and moisture, exterior Hardox® steel ring for superior endurance, large surface area prevents overheating, optimized weight/ performance ratio

BENEFITS

- safe, clean job sites
- reduced equipment damage
- increased utilization
- increased profit
- lower fuel consumption
- quick, easy installation
- virtually maintenance-free

25 %
shorter draw/drop cycles



The HM hydro magnet in action

The advanced generator control technology means faster draw/drop cycles than conventional magnets:

› The high, fast-acting voltage draws more material faster and holds it steady, longer.

› The quick demagnetization process means faster drops and a total clean of the plate – even small pieces of steel are cleared.

A profitable investment

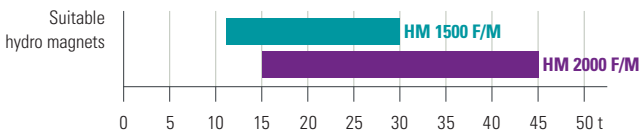
You can select out of two versions – the fixed magnet (F) and the mobile magnet with chain link (M). Each version is available in two weight classes. Load capacity ranges from 280 kg up to 7,500 kg. The HM hydro magnet is a perfect complement to our range of demolition tools.

HYDRO MAGNETS		HM 1500 F	HM 1500 M	HM 2000 F	HM 2000 M
Service weight	kg	1,550		2,000	
Weight without adapter	kg	1,360		1,650	
Carrier weight	t	12–30		15–45	
Generator performance	kW	13		13	
Magnet	MP/kW	8/6		11/9	
Oil flow	l/min	90–250		90–250	
Operating pressure	bar	120–350		120–350	
Return pressure (max.)	bar	20		20	
Hole pattern		MB 1700		MB 1700	
Magnet plate – diameter	mm	1,060		1,250	
– thickness	mm	280		305	
– weight	kg	780		1,100	
Magnet – cpl. height without adapter	mm	1,025	1,230[2] / 1,580[3]	1,050	1,255[2] / 1,605[3]
Tear-off-force	kg	11,500		15,000	
Load capacity – skelp block	kg	5,750		7,500	
– iron ball	kg	2,600		3,500	
– scrap 3A[1]	kg	255		370	
– scrap 24[2]	kg	240		360	
– scrap 40[3]	kg	120		190	
– pig iron	kg	280		410	

[1] Scrap 3A = 2.2 + 2.5 T/m³
[2] Scrap 24 = 1.9 + 2.0 T/m³
[3] Scrap 40 = 0.8 + 1.0 T/m³

Carrier weight classes

This table provides a rough guide. For a perfect fit between carrier and attachment, contact your Atlas Copco customer center or your local dealer.



Preventive Maintenance Kits

All in one box and tailored to match your equipment. Easy to obtain and attractively priced, our preventive maintenance kits contain all the parts required for the equipment's scheduled maintenance program. When installed by one of our certified technicians, you keep equipment downtime to a minimum and its uptime to a maximum throughout its working life.

Wear and Repair Kits

Our wear and repair kits are a preselected set of spare parts for the most common repair and replacement items on your machine. Cost-effective and convenient, they help simplify the service process by ensuring you have what you need.

Fluids and Lubricants

We have a complete line of fluids and lubricants ideally suited for your Atlas Copco equipment. Developed to match our maintenance specifications, Atlas Copco fluids and lubricants help protect your investment, which keeps you productive and improves the resale value of your equipment.

- The correct fluids reduce equipment breakdowns and optimize your machine's performance.
- Quality fluids last longer.
- Ordering from us simplifies the process and eliminates the need to work with multiple suppliers.

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers,
towards the environment and the people around us.
We make performance stand the test of time.
This is what we call – Sustainable Productivity.

www.silent-demolition.com

Atlas Copco