

CC-combi cutters

Silent Demolition Tools





A must for demolition and recycling: Silent Demolition Tools from Atlas Copco

Targeted machine and equipment developments in recent years have turned mechanized demolition into a fast, cost-effective and precision process.

What's more, the low-vibration action of these units reduces the strain not only on booms and carriers, but also on operators, significantly improving their productivity and concentration levels over longer periods.

Wherever contractors need to minimize noise and vibration during demolition, guarantee high precision in selective demolition and stripping out jobs, or deal with concrete, rebar and even steel girders in one and the same process, hydraulic combi cutters, pulverizers, multi grapples and scrap cutters – Silent Demolition Tools – provide the answer.

Atlas Copco has systematically expanded its product range to provide hydraulic combi cutters, pulverizers, multi grapples and scrap cutters in all size and performance classes.



With landfill costs rising, recycling building materials has become a profitable business. Silent Demolition Tools can also be used to crush and separate concrete and rebar and produce steel scrap in sizes suitable for furnace charging.



CC-combi cutters Quick-change artists

Lightweight, powerful, robust – Light-duty CCs.

The simple, solid design of our CC 250 and CC 550 models makes them not only very light but also extremely robust and dependable. They are ideal for attachment to mini-excavators and simple to use.

Applications:

- light demolition work, e.g. narrow, lightly reinforced concrete elements, masonry
- particularly effective for stripping out and reconstructing interiors

Features:

- good performance-to-weight ratio
- quick positioning thanks to mechanical 360° rotation unit
- replaceable blades
- optional pulverizing plates available for CC 550 (order no. 3093 0400 70)



Strong, fast, modular – Heavy-duty CCs.

All models from the CC 1700 upward are FEM-optimized to meet the toughest requirements. The stable cutter body features two powerful hydraulic cylinders with speed valves for minimum cycle times. A modular design allows each unit to be equipped with different jaws in line with requirements.

Excellent handling

A hydraulic drive for infinite rotation with overload protection is fitted as standard.

Robust and versatile

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

Universal jaws (U version) and steel cutting jaws (S version) are available allowing the CC combi cutters to be used as a general-purpose tool.

Powerful and fast

The proven system of two moving jaws each powered by its own hydraulic cylinder ensures consistently high breaking force over the entire breaking cycle. It also allows the jaws to be moved independently, thus preventing damaging forces of reaction from being transferred to the cutter and the carrier.

Practical wear part concept

The cutter jaws are fitted with easy-to-replace wear parts which can be renewed on site using simple tools. The blades are reversible for longer lifetimes.

Universal applications for the 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

Universal applications for the S-version (steel-cutting)

- demolition of steel structures (general structural steels)
- secondary reduction
- material separation



The distinctive features of the CC combi cutter generation

With the design of the new generation of CC cutters the engineers have succeeded in developing a remarkable combination of high crushing forces, short cycle times and a high dependability. Crushing jaws and wear parts are quickly and easily replaced on site. The CC combi cutters of the new generation are extremely productive and efficient attachments that can be used for practically any kind of demolition work.

Improved availability

The most notable new feature is that the cutter jaws are mounted on one central bearing pin. The new concept offers the advantages of improved stability and faster jaw replacement versus cutters with two bearing pins.

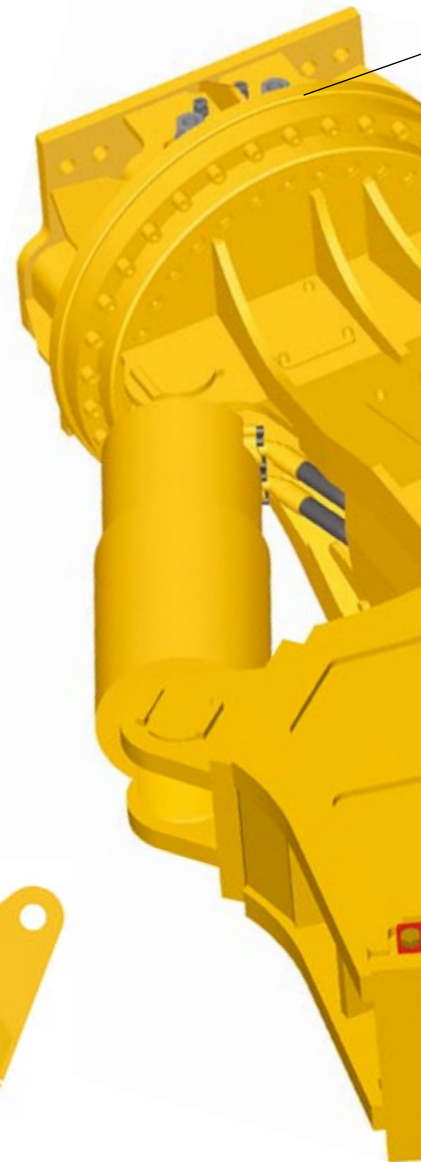
Short cycle times

The cross sections of the hydraulic lines are increased to provide shorter opening and closing times. The 350 bar operating pressure meets modern carrier standards.

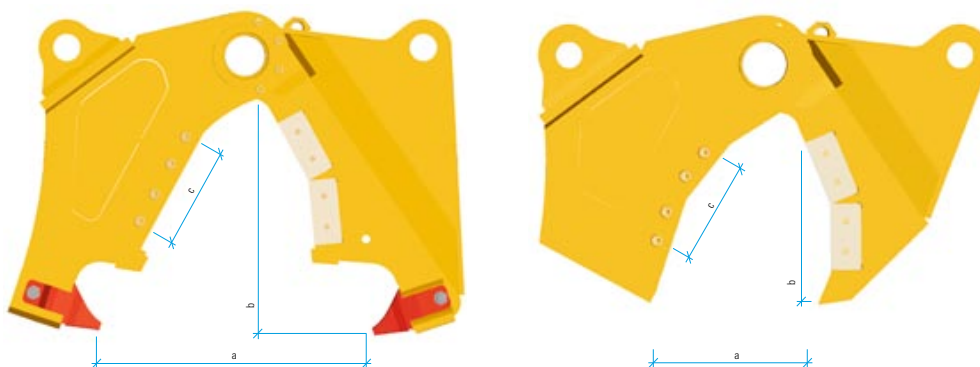
Additional stability

Two extremely rigid box sections are integrated in the pair of jaws (U version as well as S version).

*Patent application filed

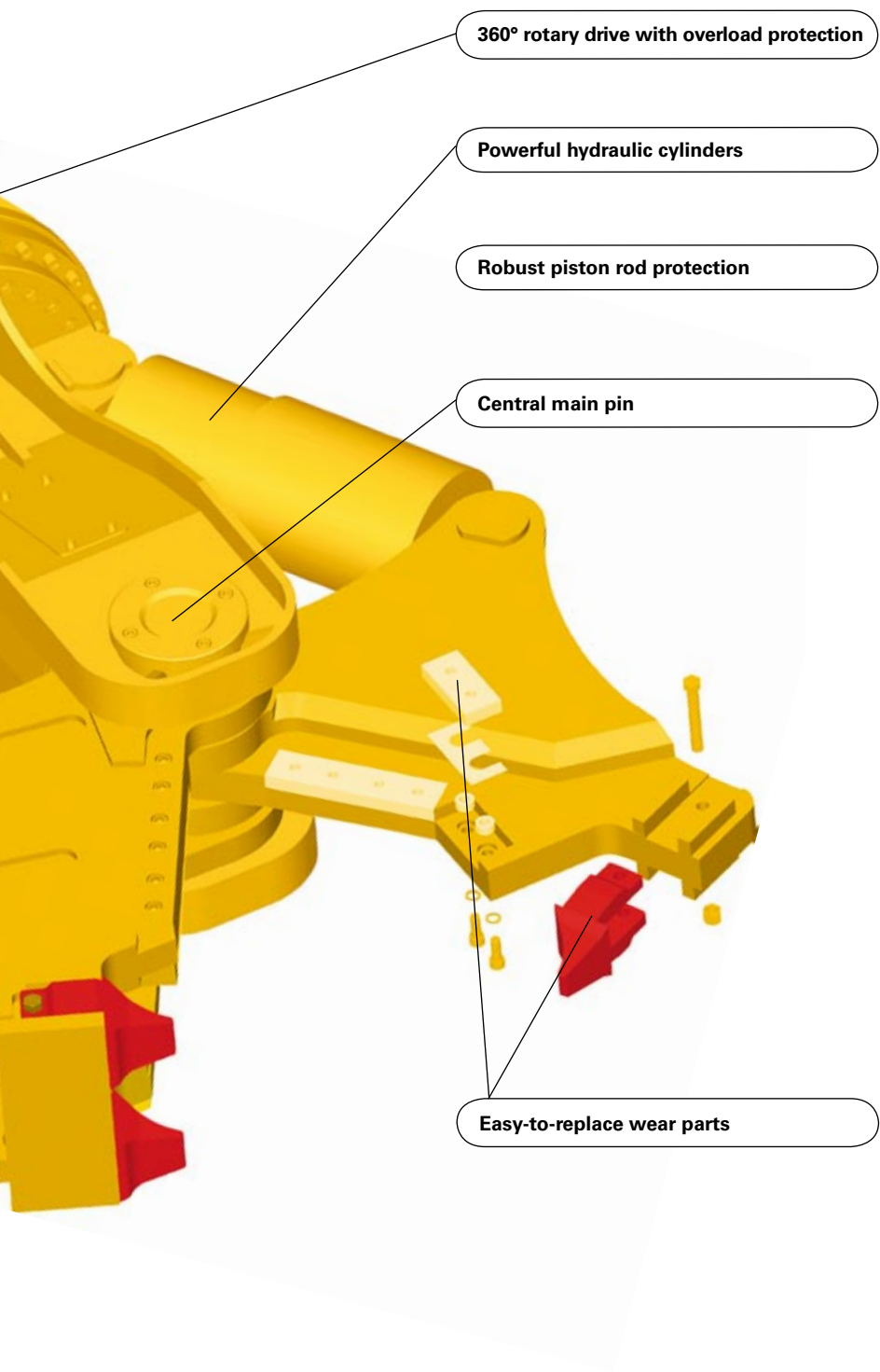


a = Jaw opening
b = Jaw depth
c = Blade length



			CC 1700 U	CC 1700 S	CC 2500 U	CC 2500 S	CC 3300 U	CC 3300 S
I ¹⁾	DIN 1025 T1	I	240	280	240	300	360	400
I ¹⁾	DIN 1025 T2	IPB	160	180	160	200	240	260
L ¹⁾	DIN 1026-1	U	220	300	240	320	400	400
L ¹⁾	DIN EN 10056-1	L	150/150/20	160/160/20	160/160/22	200/200/24	250/250/24	250/250/24
⚙️ Reinforcement ²⁾	DIN EN 488	mm	7 x Ø28	9 x Ø28	10 x Ø28	14 x Ø28	18 x Ø28	20 x Ø28

¹⁾ Tensile strength $R_m = 370 \text{ N/mm}^2$ ²⁾ Abbreviation III S (Tensile strength $R_m = 500 \text{ N/mm}^2$)

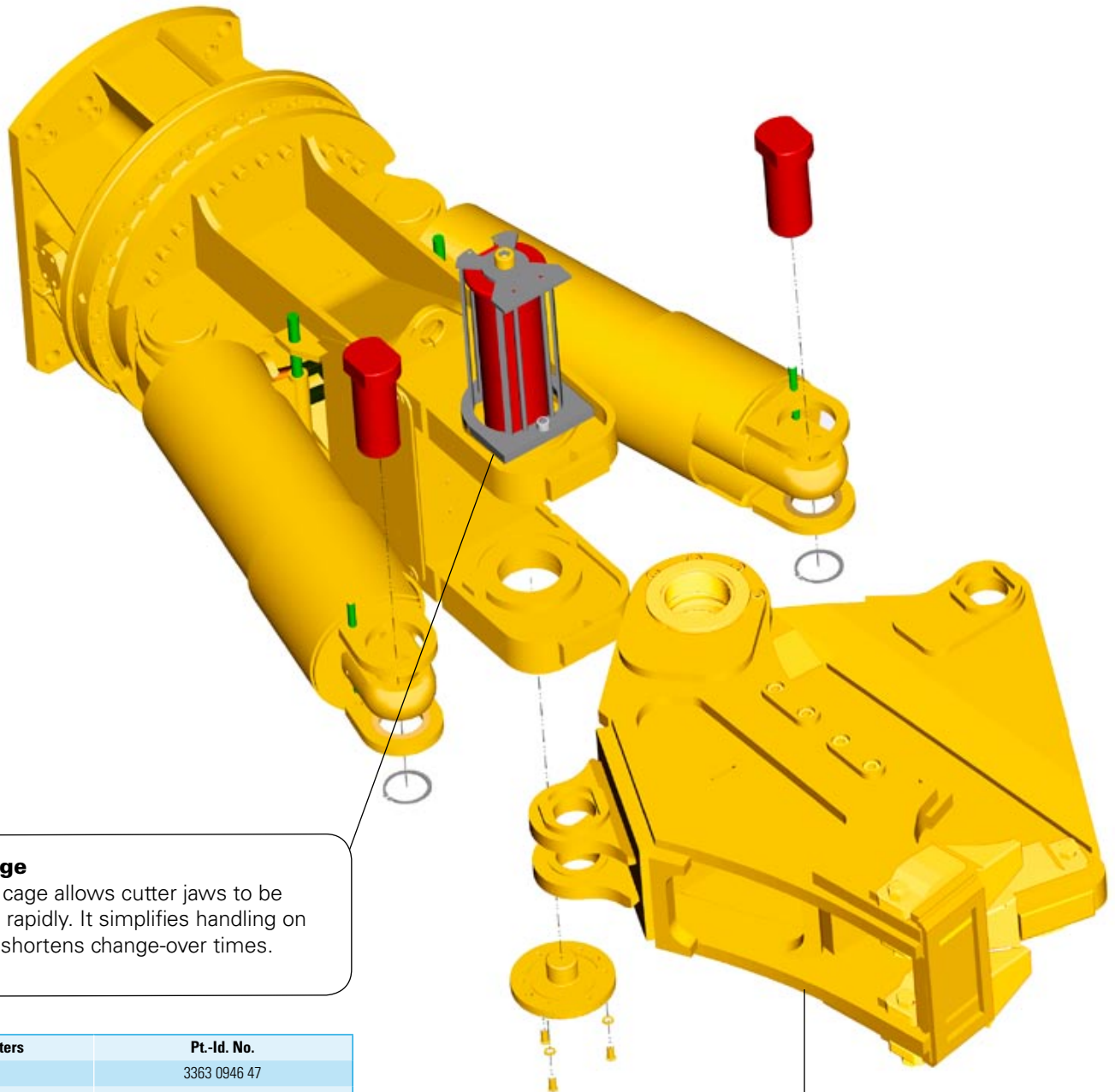


Changing the jaws – a piece of cake

Thanks to CAPS*, the new coupling and positioning system, the two cutter jaws can now be fitted and removed as a modular unit. CAPS connects the jaws

even after they have been removed and facilitates refitting through a special guide system. This means that it is now possible to replace the cutter jaws

quickly and easily on site, eliminating the need for time-consuming and costly transportation to the workshop.



Bolt cage

The bolt cage allows cutter jaws to be replaced rapidly. It simplifies handling on site and shortens change-over times.

CC-combi cutters	Pt.-Id. No.
CC 1700	3363 0946 47
CC 2500	3363 0945 42
CC 3300	3363 0946 48

CC-combi cutters	Universal jaws	Steel cutting jaws
CC 1700	3363 0998 21	3363 1022 01
CC 2500	3363 0931 17	3363 0993 03
CC 3300	3363 0924 97	3363 0902 01



CC-combi cutters		CC 250	CC 550	CC 1700 U	CC 1700 S	CC 2500 U	CC 2500 S	CC 3300 U	CC 3300 S
Carrier weight class ¹⁾	t	2-4	5-14	15-25	15-25	22-35	22-35	30-50	30-50
Service weight ²⁾	kg	240	530	1680	1530	2640	2410	3480	3280
Max. cutting force	t	66	141	200	200	300	300	400	400
Cutting force, jaw tip	t	-	-	-	80	-	133	-	141
Crushing force, jaw tip	t	18	34	60	-	91	-	109	-
Oil flow rate	l/min	30-50	50-90	150-250	150-250	150-250	150-250	220-350	220-350
Operating pressure	bar	200	250	350	350	350	350	350	350
Closing cycle ³⁾	sec	2,9	3,8	1,6	1,6	2,8	2,8	2,8	2,8
Opening cycle ³⁾	sec	2,2	2,3	1,7	1,7	3,0	3,0	3,0	3,0
Swivel range	°	>360	>360	>360	>360	>360	>360	>360	>360
Rotary drive		mech.	mech.	hydr.	hydr.	hydr.	hydr.	hydr.	hydr.
Oil flow rate, rotation	l/min	-	-	max. 30	max. 30	max. 30	max. 30	max. 30	max. 30
Operating pressure, rotation	bar	-	-	150-220	150-220	150-220	150-220	150-220	150-220
Jaw opening	mm	360	450	750	385	880	425	1010	440
Jaw depth	mm	350	360	730	520	800	545	765	700
Blade length	mm	120	140	380	380	350	380	525	525
Overall height	mm	1110	1325	2050	1870	2250	2075	2370	2310
Pt.-Id. No.		3093 0400 02	3093 0400 06	3363 0935 41	3363 0935 51	3363 0937 51	3363 0932 01	3363 0876 20	3363 0876 21
Pulverizing pads									
Pt.-Id. No.		-	3093 0400 70	-	-	-	-	-	-

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

³⁾ max. oil volume

U = with universal jaws
S = with steel cutting jaws

Don't compromise on productivity

Lubricants

Genuine Atlas Copco greases are especially developed for equipment used in heavy-duty demolition work. They guarantee a maximum service life and availability of your equipment.

Lubricants	Pt.-Id. No.
High-performance grease 12 x 400 g	3363 0949 14
Grease gun for 400 g high-performance grease	0909 1071 00

Connection hoses

Genuine Atlas Copco hoses are designed to withstand the strains of demolition work and are available in standard and special lengths. A spiral steel wire protects the hose against damage caused by the cut material. Special screw couplings allow the hoses to be attached to all industrial carriers.



CC-combi cutters	Connection hoses	Length mm	Connection hoses for hydraulic rotation	Length mm	Add. fitting set for each CC-combi cutter*
CC 250 / CC 550	3360 9957 17	1500	-	-	3363 0980 83
CC 250 / CC 550	3362 2351 59	2000	-	-	33630 980 83
CC 1700 / CC 2500 / CC 3300	3363 0946 45	2300	3363 0317 67	2800	-
CC 1700 / CC 2500 / CC 3300	3363 0946 46	2800	3363 0343 99	3500	-

*Fitting sets are required to connect the hoses with the CC-combi cutters.

One job, one part number

Genuine Atlas Copco maintenance kits contain the essential wear parts including all the required fasteners like washers, nuts, locking bolts and rings. Atlas Copco offers one part number for one job which simplifies your logistic processes. Always replace crucial wear parts in time. This will help to prevent breakdowns and costly consequential damages suffered by main machine components. A preventive exchange of wear parts also keeps the machine's productivity and availability on a high level.

CC-combi cutters	Blades	Teeth	Sliders
CC 250	3363 0982 67	-	-
CC 550	3363 0982 68	-	-
CC 1700 U	3363 0983 77	3363 0910 58	-
CC 1700 S	3363 0983 78	-	3363 0983 79
CC 2500 U	3363 0982 69	3363 0910 58	-
CC 2500 S	3363 0943 97	-	3363 0982 72
CC 3300 U	3363 0910 65	3363 0910 66	-
CC 3300 S	3363 0910 68	-	3363 0910 69



Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.

