NEW RANGE OF BUCKET CRUSHERS

NEW BUCKET CRUSHER

BC Bucket Crusher			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
Delivery weight (without adapter)		kg	2.120	2.670	4.000	5.703
Machine weight (without intermediate plate)		kg	2.000	2.500	3.750	5.300
Dimensions	**length**	mm	2.050	2.465	2.575	2.840
Dimensions	**height**	mm	1.311	1.500	1.600	1.700
Dimensions	**width external**	mm	930	930	1.070	1.280
Dimensions	**width internal**	mm	730	730	900	1.100
Jaw opening / max.		mm	400	420	420	465
Chrushing size		mm	20 - 90	20 - 140	20 - 140	20 - 140
Load capacity		m^3	0,5	0,8	1	1,2
Operating pressure		bar	250	250	250	250
Max. leakage oil pressure		bar	4	4	4	4
Oil flow		l/min	140 - 160	160 - 180	180 - 200	300
Hydraulic circuit			Double effect			
Measured sound power level		dB(A)	85	85	85	85
Hole pattern - adapter			MB 750 / MB 1000	MB1200 - MB1700	HB2000 - HB2500	HB 3100 / HB 4700
Part number			3363 1179 87	3363 1179 88	3363 1178 89	3363 1179 90
Launch year			2016	2015	2015	2016

[1)] Weight apply to standard carriers only. Any variations must be agreed with Atlas Copco and / or the carrier manufacturer.

[2)] Bucket Crusher with medium - sized adapter **plus Intermediate plate**

NEW BUCKET CRUSHER

Features overview

(1) Unrivaled performance thanks to the unique circular crushing cycle

(2) Sophisticated and reliable drive system provides maximum torque

(3) The automatic anti-lock mechanism ensures constant productivity

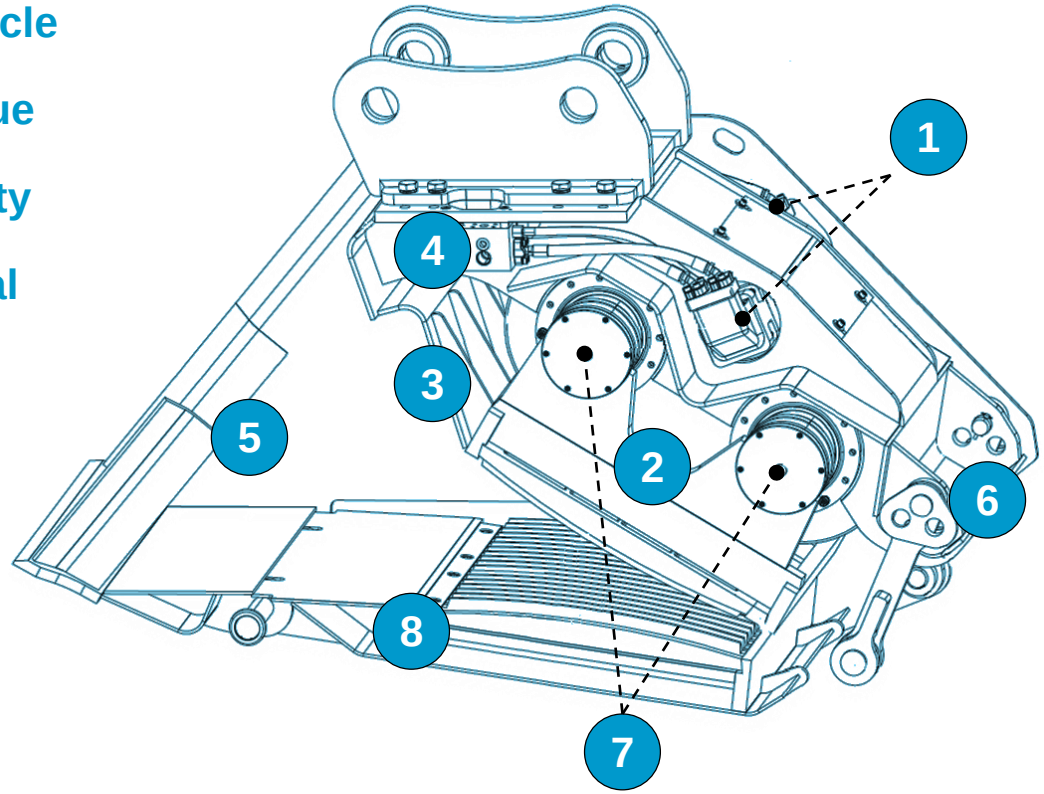
(4) Reversible running direction for easy removal of jammed material

(5) Compact and robust design without any protruding components

(6) Quick and easy adjustment of the crushing size “Granulometry”

(7) Designed for maximum uptime at minimum maintenance efforts

(8) Wear resistant and fatigue endurable materials for max. lifetime



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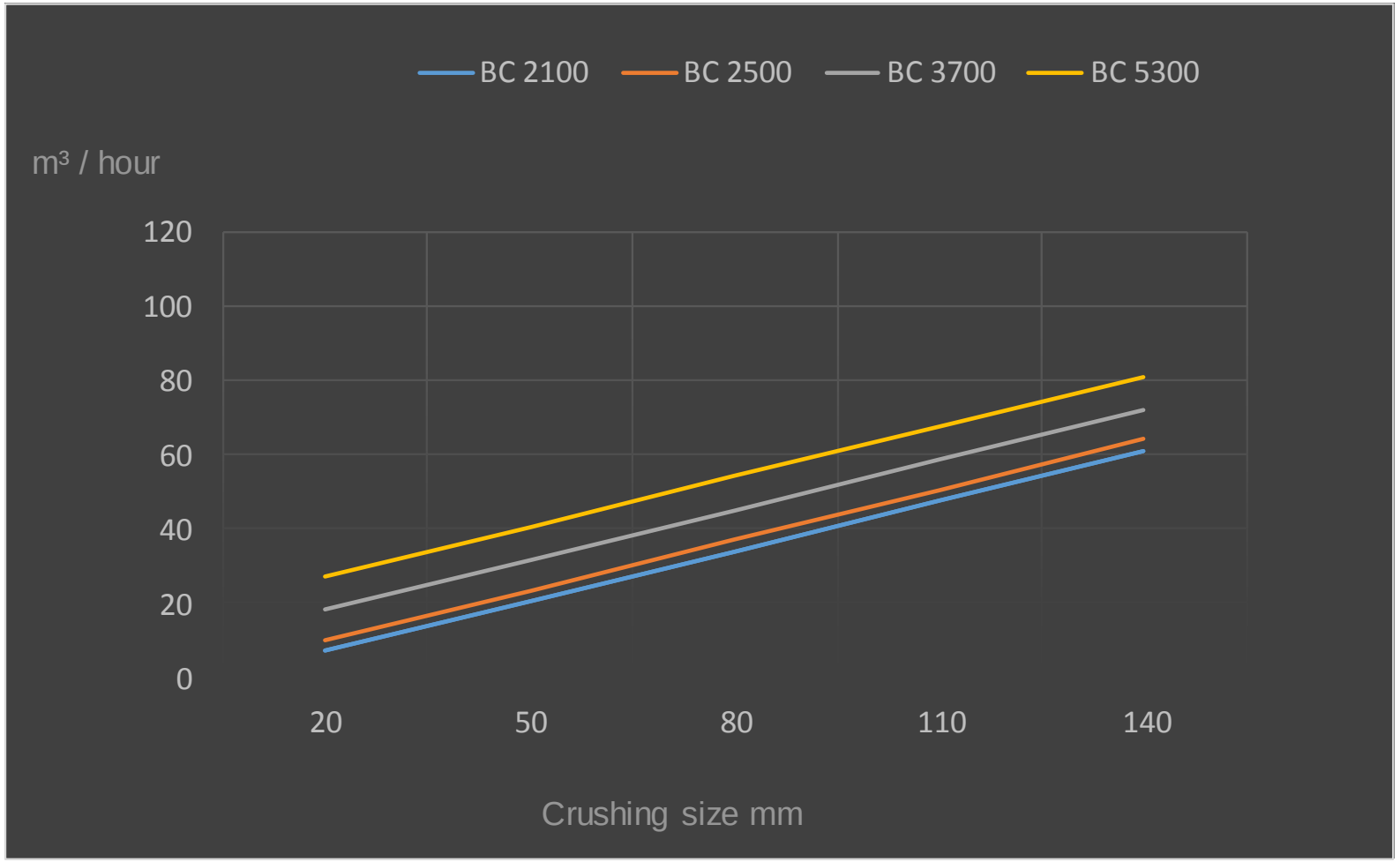
BUCKET CRUSHER

Performance



	BC 2100	BC 2500	BC 3700	BC 5300
20	7	10	18	27
50	20,5	23,5	31,5	40,5
80	34	37	45	54
110	47,5	50,5	58,5	67,5
140	61	64	72	81

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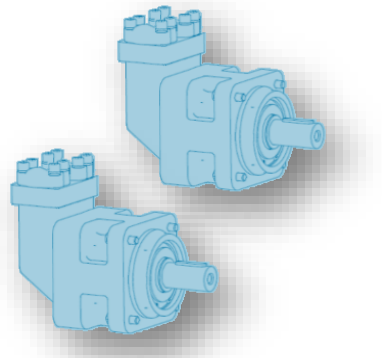
NEW BUCKET CRUSHER

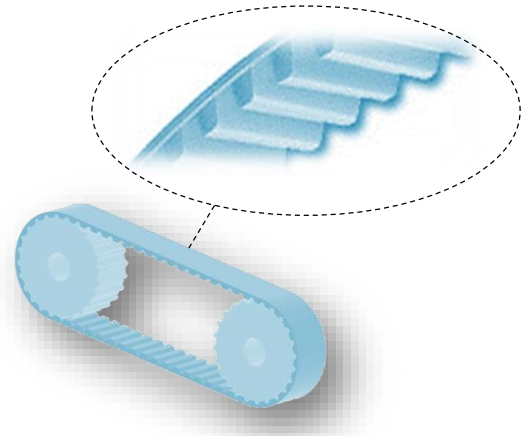
Twin drive system with timing belt transmission

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.

- ✓ Allows to use the full loading capacity w/o worrying about blockages
- ✓ No gliding slip during start-up → constant power transmission
- ✓ Pretension-free power transmission → no extra load on the bearings



Two hydraulic motors



Timing belt

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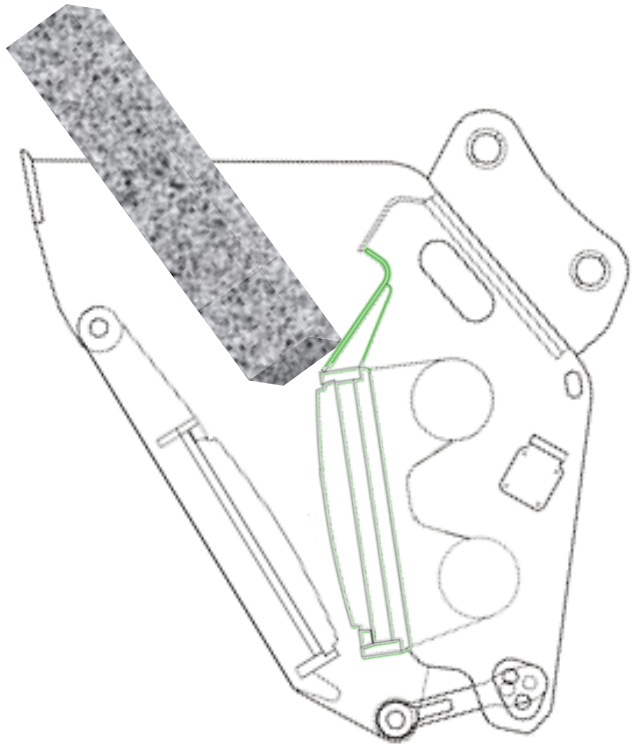
Anti-lock mechanism

The anti-lock mechanism continuously repositions the crushing material. This ensures that even larger pieces are headed automatically into the direction of the crushing jaw.



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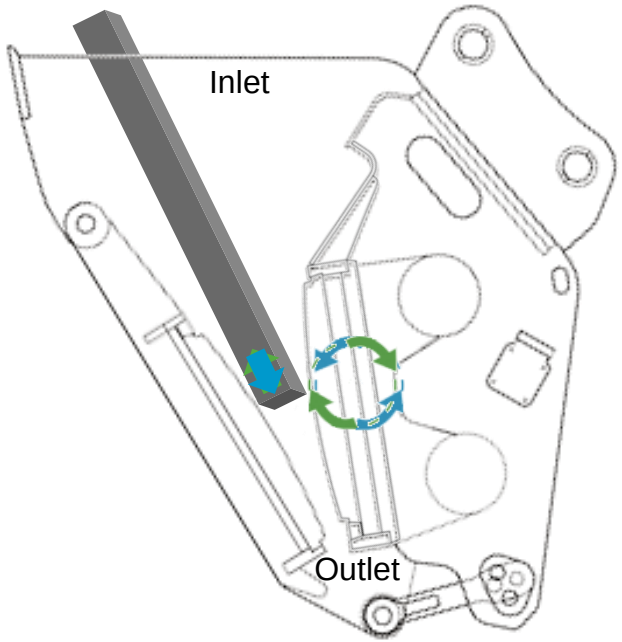
NEW BUCKET CRUSHER

Reversible running directions

When the bucket crusher operates in working directions the jaws pushes the material towards the outlet. In case the jaws get blocked the operator can simply change the rotation direction to push the material back into the inlet and thus easily remove the blockage.



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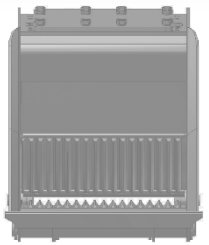
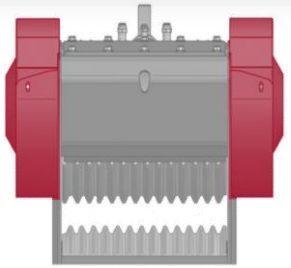
NEW BUCKET CRUSHER

Compact design without protruding components

In contrast to the old range, the new bucket crusher is designed with an internally mounted drive system that allows a narrower shape without compromising the loading capacity.

- ✓ **Enhanced usability**
- ✓ **Improved reliability**





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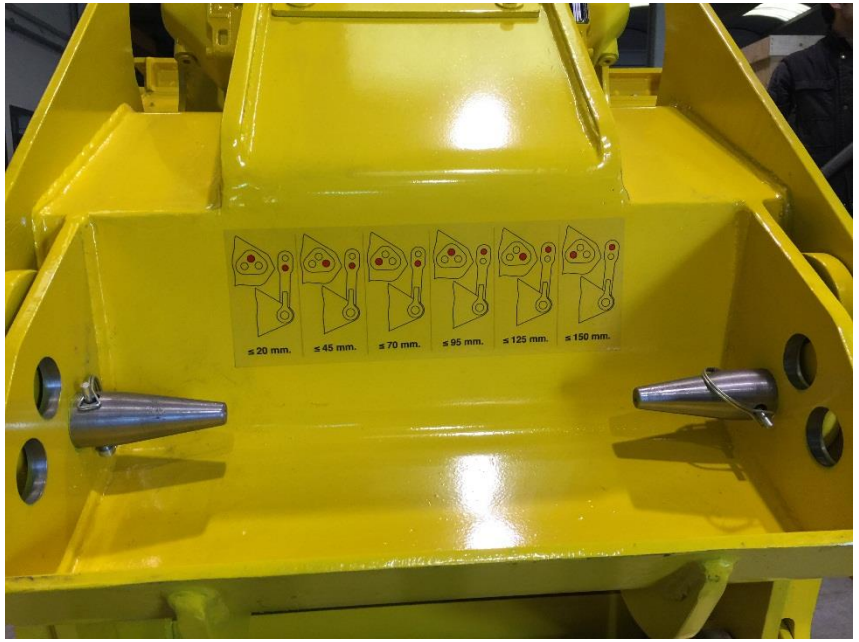
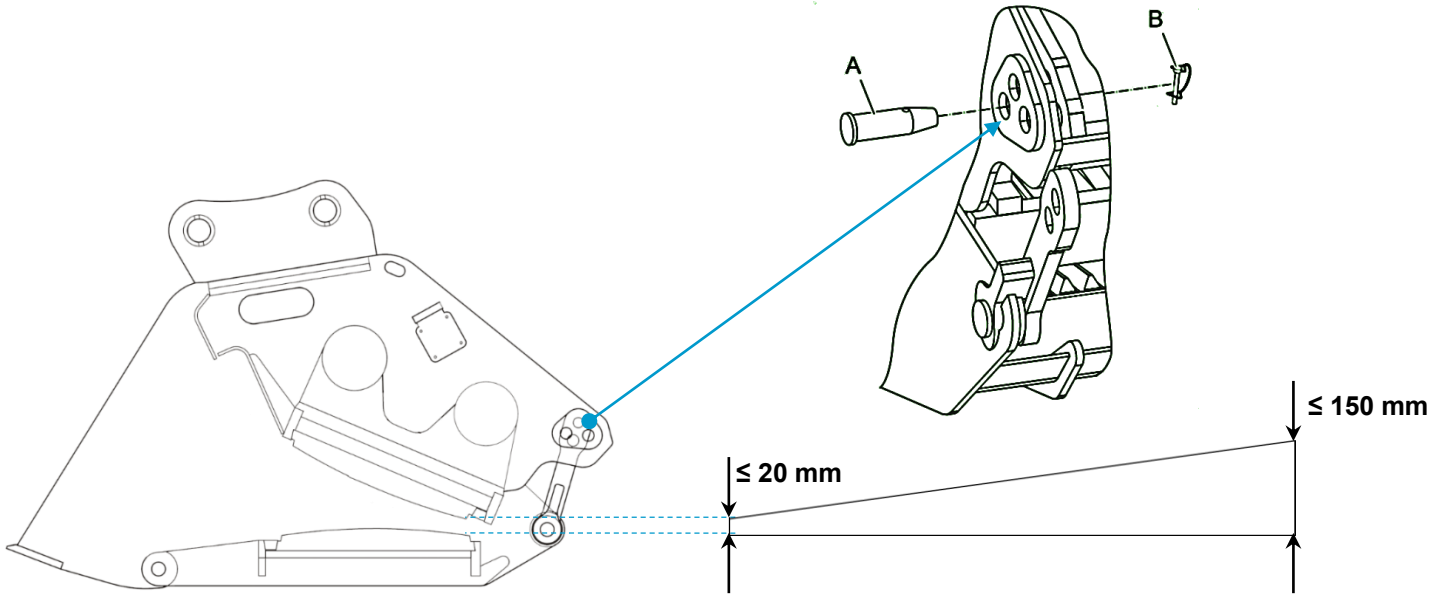
Crushing size adjustment (Granulometry)



The intuitive functionality requires neither great experience nor special craftsmanship. In next to no time you can adjust the required jaw outlet without any special tools.



NEW BUCKET CRUSHER

Maintenance & Service

Increased lifetimes and greater reliability despite significantly reduced maintenance efforts makes the new bucket crusher one of the best tools in its class.

Component	Action	Old range	New range
Transmission belt	Regular replacement of the belt	Yes	No
	Regular check of belt tension	Yes	No
Jaw adjustment	Regular replacement of wear parts	Yes	No
	Regular check of alignment	Yes	No
Shaft & bearings	Manual lubrication interval	Every 30 hours	Every 200 hours

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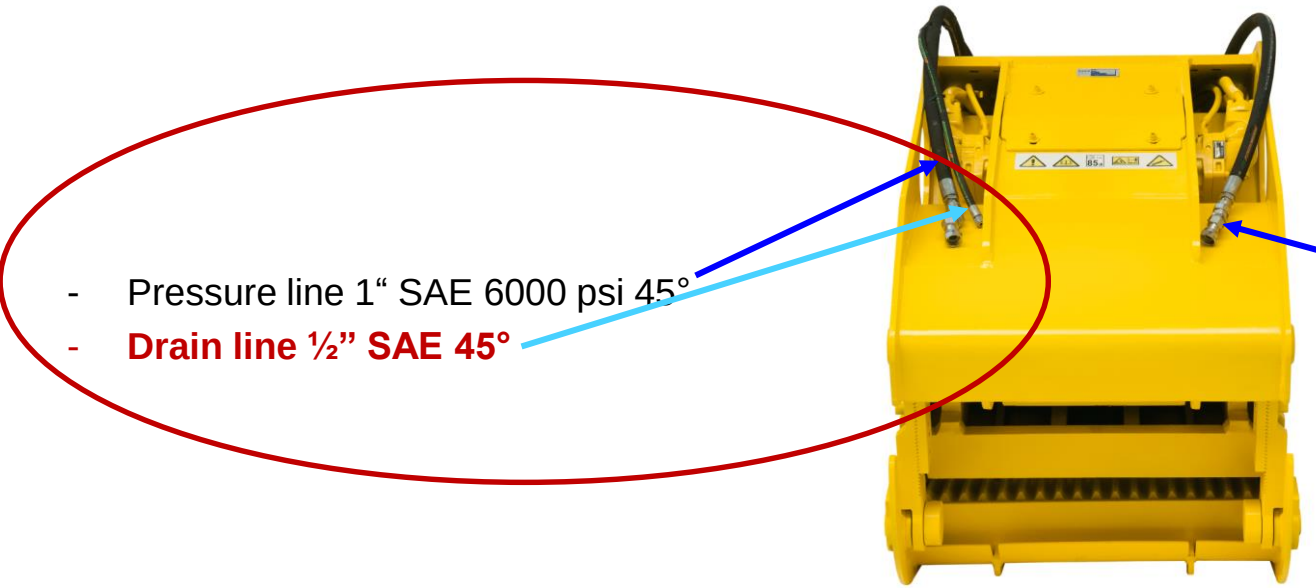
Hydraulic connection



- Pressure line 1“ SAE 6000 psi 45°
- **Drain line ½” SAE 45°**

- Pressure line 1“ SAE 6000 psi 45°

Connection hose for rotation forward / backwards------ 2 pieces for each BC

Id -No. 3363 1180 27

Hose with Flange ID = 25 mm, Flange SAE 1” 6000 PSI – 45 ° – M 42 x 2 conical seal 24° length 2300mm

Connection Hose for leakage / drain line ---- 1 piece for each BC

Id -No. 3363 1180 28

Hose with Flange ID = 12 mm Flange SAE ½” 6000 PSI -45 ° - M 24 x 1,5 conical seal 24° length 2300mm

COMMITTED TO

SUSTAINABLE PRODUCTIVITY.