



Screening
Crushing
Mixing
Aerating
Loading

ALLU SC -Series Screener Crushers

www.allu.net





*“ALLU Screener Crusher simultaneously **screens, crushes, aerates, mixes and loads** different kinds of materials”*

ALLUizing makes sense

Alluizing is a quick and cost-effective method for processing different materials.

ALLU has developed a working method called Alluizing. It means that ALLU Screener Crusher processing attachment **screens, crushes, mixes, aerates and loads** different kinds of materials simultaneously in a quick and economic way. The new ALLU SC does the Alluizing more efficiently than ever.

With an ALLU Screener Crusher processing attachment you can convert your base machine into a processing plant. It will increase your business opportunities and profits. With the ALLU Screener Crusher you can even replace mobile screens, crushers and feeders, or you can use it as a pre-processor for the aforementioned machines.

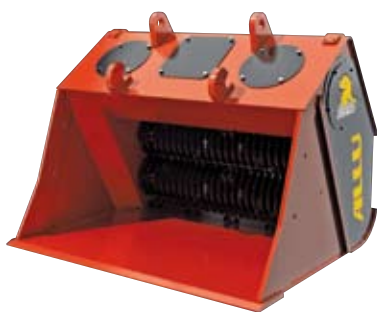
The ALLU Screener Crusher processing attachment is an effective workhorse, which processes with high capacity different kinds of materials from normal top soil to demolition waste, even in wet conditions. It also ensures very high quality of the end product.

The ALLU SC is a versatile accessory for excavators of 8-40 tonnes and wheel-loaders of 5-26 tonnes. Depending on the application and base machine, the ALLU SC attachment transforms the loader-bucket combination into an effective screening-crushing unit, which can replace expensive special machinery.

The Most popular applications are; production of top soil, pipeline backfilling, treating waste and contaminated soils, screening peat or clay, aerating compost, pulverizing, grinding asphalt, shredding bark, crushing glass and mixing different materials like binders in soil stabilisation.



New Models - new possibilities!



SC Standard

- For excavators from 8 to 25 tonnes
- For wheel loaders from 5 to 14 tonnes
- Maximum continuous hydraulic power 60 kW
- Economic choice for basic applications and smaller base machines



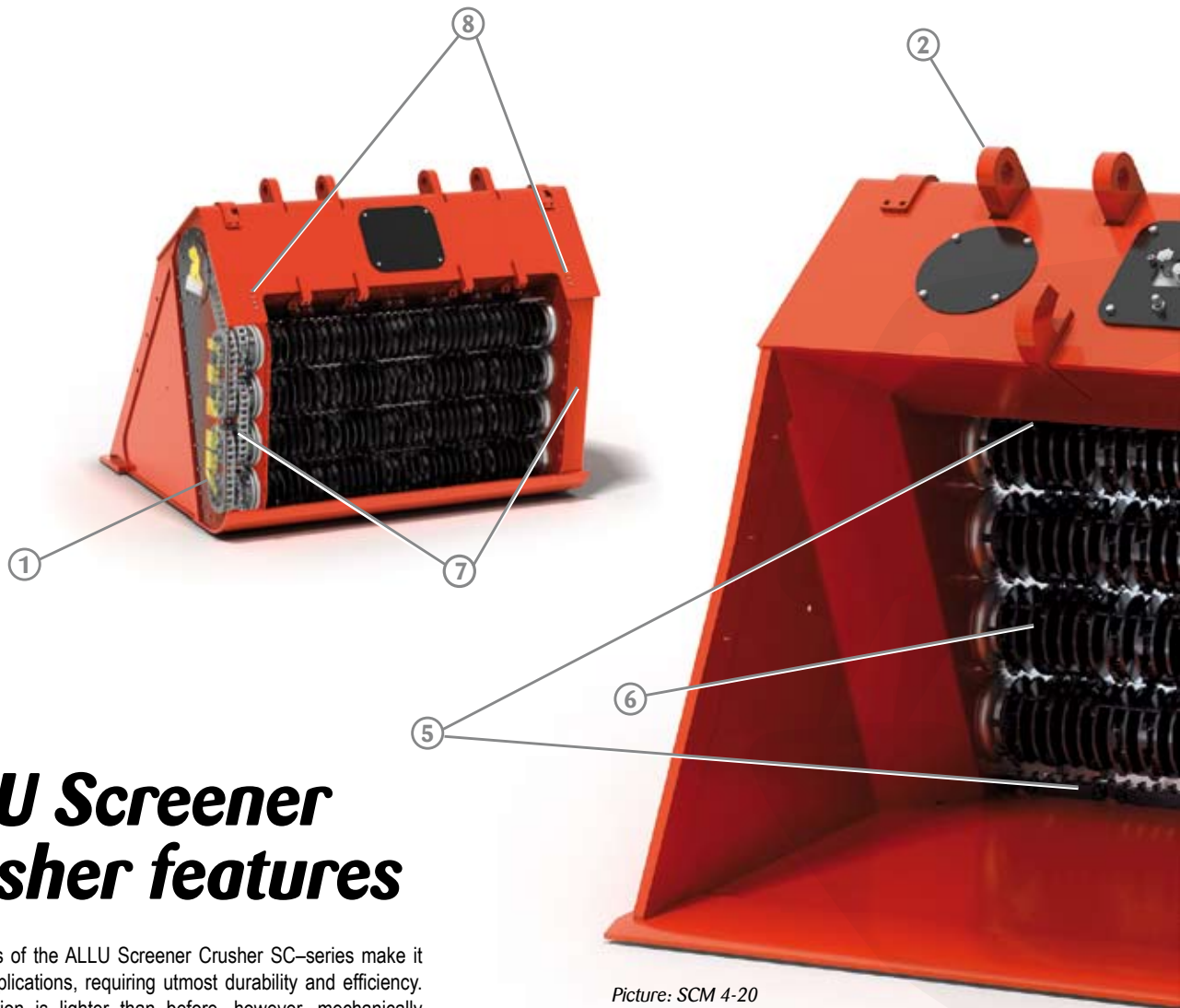
SCH Heavy

- For excavators from 20 to 34 tonnes
- For wheel loaders from 12 to 24 tonnes
- Maximum continuous hydraulic power 80 kW
- Medium heavy and heavy applications



SCM Monster

- For excavators from 22 to 40 tonnes
- For wheel loaders from 13 to 26 tonnes
- Maximum continuous hydraulic power 140 kW
- Dual power transmission with two motors
- Heavy and extra heavy applications



Picture: SCM 4-20

ALLU Screener Crusher features

The properties of the ALLU Screener Crusher SC-series make it suitable to applications, requiring utmost durability and efficiency. The construction is lighter than before, however, mechanically stronger and service-friendly.



1. Innovative frame design

- Straight outer sides
- Low fastening points for wheel loaders



3. No need for drain oil line

- Lower installation costs
- Easy to use on different base machines



2. Wedge-pin fastening

- Ensures tight fastening for the adapter
- Fastening points are part of the rigid frame construction



4. Built-in power adjustment valve

- Protects against hydraulic overload
- Easy use on different base machines



Frame has a registration of designs. EU 000321682

ALLU SC Screener Crusher accessories



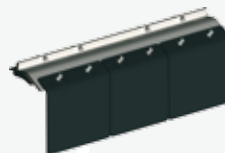
Guide Plate

Prevents exiting material from spattering against the loader. Guide plate is also a fixing point for other accessories



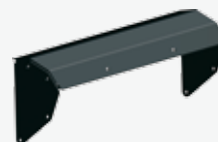
Crushing Bars

Crushing bar accessory is developed in order to increase the crushing effect of the bucket.



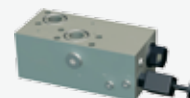
Mixing Plate Set

Helps to mix clay products, because the material will circulate from drum to drum before exiting. The mixing plate always needs the guide plate.



Extra Sides

Extra sides are available to increase the volume of the bucket. Extra sides are always recommended for wheel loader applications.



Electric Directional Valve

Allows the installation of the screener crusher onto a base machine which does not have a two way hydraulic circuit.



5. Modular counter blade construction

- Same counter blade elements used on all models
- Counter blade also below the lower drum



7. Power transmission

- Strong chain-type power transmission
- Self-lubrication of the chains



6. Long lifetime of blades and blade holders

- New design ensures low wear factor
- Spring pin fixing allows easy change of blades
- Design of the blade protects the blade holder



8. Centralized lubrication points of the bearings

- Easy access points in the frame make the greasing easy.
- Speeds up with the daily service and maintenance.

Drums

XHD20, XHD35 & XHD55 Drums



Characteristics

- Disc distance 20 mm, 35 mm or 55 mm
- XHD 35&55 disc thickness 10 mm
- High wear resistance
- Made for heavy duty use
- Changeable blades

Applications

- Production of soil
- Backfilling of pipeline trenches
- Processing demolition waste, crushing of bricks or glass
- Aerating compost

X75 & X100 Drums



Characteristics

- Excellent mixing and pulverising capability combined with crushing effect
- Clog-proof construction even with wet and sticky materials
- High processing capacity

Applications

- Mixing and stabilising of bulky materials
- Pre- and coarse screening, pulverising
- Aerating
- Crushing

Blades for drums



SC 35 & 55

Universal blade for most applications and materials.



SC 35 & 55 Axe

Special blade for crushing bark and mixing compost.



SC 35 & 55 Long

Special blade for screening and aerating compost and other soft materials. Increases capacity. Can only be installed in buckets with 3 & 4 drums.



SC 35 & 55 Oval

Special blade for screening material with high stone content, when reduced crushing effect is needed.

ALLU SC Series selection table

In the enclosed table you will find the suitable ALLU Screener Crusher to your base machine.
The weight classes for excavators are 8-40 tons and for wheel loaders 5-26 tons.

Model	Base machine weight recommendation tn	Hydraulic oil flow requirement Min - Max l/min	Volume water / heap ISO / SAE m ³	Screening area m ²	Max hydr. power Cont./peak kW	Number of blades		Measures L x W x H cm	Weight incl. 55 XHD drums kg	
						55 XHD drums pcs	35 XHD drums pcs			
8 - 40 tn EXCAVATORS & BACKHOE LOADERS										
Standard	SC 2-10	8 - 12	70-105	0,45 / 0,51	0,41	50/60	16	24	122 x 96 x 116	840
	SC 2-15	12 - 15	90-135	0,70 / 0,80	0,75	50/60	32	48	122 x 150 x 116	1 080
	SC 2-20	15 - 19	90-135	0,95 / 1,16	1,10	50/60	48	72	122 x 203 x 116	1 350
	SC 3-10	11 - 16	90-135	0,50 / 0,60	0,60	50/60	24	36	136 x 96 x 141	1 000
	SC 3-15	16 - 21	115-170	1,10 / 1,32	1,10	60/70	48	72	136 x 150 x 141	1 310
Heavy	SC 3-20*	21 - 25	115-170	1,50 / 1,71	1,50	60/70	72	108	136 x 203 x 141	1 650
	SCH 3-15	20 - 25	115 - 170	1,20 / 1,40	1,10	65/80	48	72	156 x 151 x 152	1 710
	SCH 3-20*	24 - 30	115 - 170	1,70 / 2,00	1,50	65/80	72	108	156 x 204 x 152	2 170
	SCH 4-15	24 - 30	115 - 170	1,70 / 2,00	1,40	65/80	64	96	170 x 151 x 177	2 000
Monster	SCH 4-20*	28 - 34	115 - 170	2,40 / 2,80	1,90	65/80	96	144	170 x 204 x 177	2 510
	SCM 3-15	22 - 28	170 - 260	1,30 / 1,50	1,10	120/140	48	72	156 x 171 x 153	2 180
	SCM 3-20	28 - 34	170 - 260	1,80 / 2,10	1,50	120/140	72	108	156 x 234 x 153	2 680
	SCM 4-15	28 - 34	170 - 260	1,80 / 2,10	1,40	120/140	64	96	170 x 171 x 178	2 550
	SCM 4-20	34 - 40	170 - 260	2,50 / 2,90	1,90	120/140	96	144	170 x 234 x 178	3 100
5 - 26 tn WHEEL LOADERS & BACKHOE LOADERS										
Standard	SC 2-15	5 - 7	90-135	0,70 / 0,80	0,75	50/60	32	48	122 x 150 x 116	1 080
	SC 2-20	7 - 9	90-135	0,95 / 1,16	1,10	50/60	48	72	122 x 203 x 116	1 350
	SC 3-15	7 - 9	115-170	1,10 / 1,32	1,00	60/70	48	72	136 x 150 x 141	1 310
	SC 3-20	9 - 11	115-170	1,50 / 1,71	1,50	60/70	72	108	136 x 203 x 141	1 650
	SC 3-25	11 - 14	115-170	1,90 / 2,22	1,90	60/70	96	144	136 x 257 x 141	1 950
Heavy	SCH 3-20	12 - 14	115 - 170	1,70 / 2,00	1,50	65/80	72	108	156 x 204 x 152	2 170
	SCH 3-25	14 - 17	145 - 210	2,20 / 2,60	1,90	65/80	96	144	156 x 258 x 152	2 590
	SCH 3-30	17 - 20	145 - 210	2,70 / 3,10	2,30	65/80	120	180	156 x 312 x 152	3 430
	SCH 4-20	14 - 18	115 - 170	2,40 / 2,80	1,90	65/80	96	144	170 x 204 x 177	2 510
	SCH 4-25	17 - 20	145 - 210	3,10 / 3,60	2,50	65/80	128	192	170 x 258 x 177	3 000
Monster	SCH 4-30	20 - 24	145 - 210	3,70 / 4,40	3,00	65/80	160	240	170 x 312 x 177	3 470
	SCM 3-20	13 - 16	170 - 260	1,80 / 2,10	1,50	120/140	72	108	156 x 234 x 153	2 680
	SCM 3-25	15 - 18	170 - 260	2,30 / 2,70	1,90	120/140	96	144	156 x 278 x 153	3 070
	SCM 4-20	16 - 20	170 - 260	2,50 / 2,90	1,90	120/140	96	144	170 x 234 x 178	3 100
	SCM 4-25	20 - 24	220 - 330	3,20 / 3,70	2,50	120/140	128	192	170 x 278 x 178	3 550
SCM 4-30	22 - 26	220 - 330	3,80 / 4,50	3,00	120/140	160	240	170 x 331 x 178	3 950	

NOTE 1! Volume increases approximately 30 % with extra sides.

NOTE 2! Stab. X 100 or Stab X 75 drums are not available in width -30.

NOTE 3! We strongly recommend to buy from ALLU Finland Oy also the basic adaptor plate to the SC, SCH and SCM buckets!

NOTE 4! If the bucket will be installed as a backhoe shovel to an excavator, reduce the recommended base machine weight by 2 tonnes!

NOTE 5! When using the bucket with a wheel loader, we recommend to use of a guide plate.

NOTE 6! Specifications subject to modification at manufacturers discretion. All weights/sizes approximate.

NOTE 7! *Consult the factory if these models are installed to an excavator.

ALLU DOES IT ALL...

ALLU products for soil improvement



ALLU Screener Crusher
Screening, crushing, mixing, aerating,
and loading in one step operation



ALLU Stabilisation System
Mixing soil and binding agent in mass
stabilisation



ALLU Compacting Plate
High power compacting plates for
demanding job sites



ALLU Windrow Turner
Mixing and aerating different materials
from compost to contaminated soil



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