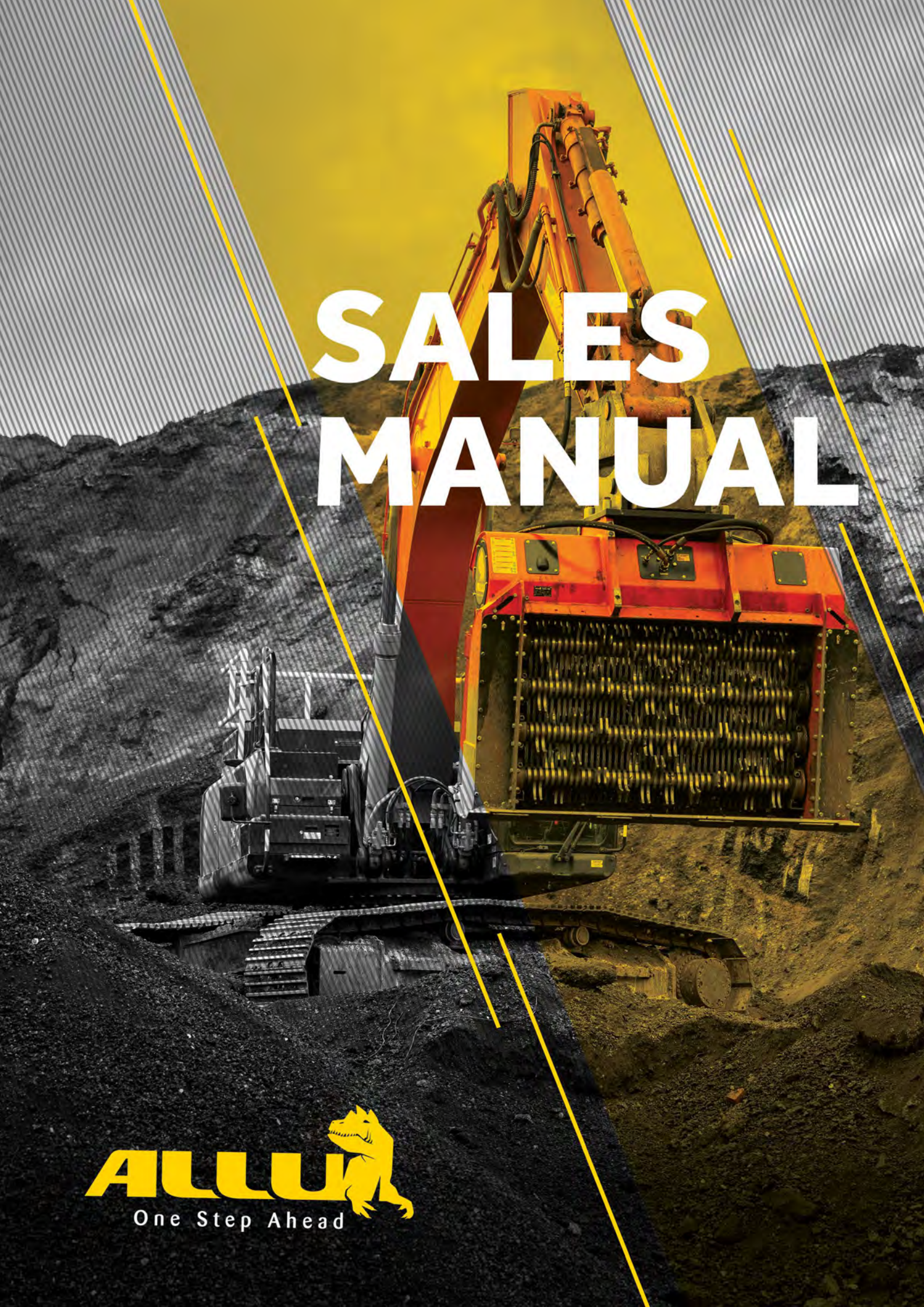
SALES MANUAL



ALLU

One Step Ahead

40 YEARS OF EXPERTISE

ALLU
One Step Ahead

THE ALLU TIMELINE

1985 — Ideachip Oy Founded

1991 — Screener Crusher Debutes

1997 — ALLU PM Launched

1998 — ALLU USA Founded

1999 — ALLU Germany Founded

2002 — Halo Trust Deal for Mine Clearing

2003 — ALLU PF Introduced

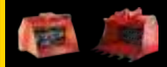
2004 — ALLU China Founded

2009 — ALLU D-Series Introduced

2010 — ALLU PMX Introduced

2011 — ALLU Sweden Founded

2013 — ALLU M and ALLU DL Series introduced



2022 — Variable Drum introduced

2024 — DC-Series and Screener launched

2025 — Mini Grizzly launched

One Step Ahead – More to Come

For over four decades, ALLU has pioneered innovative solutions in material processing technology. Our hydraulic attachments transform how industries handle everything from soil improvement to waste recycling, setting new standards in material processing efficiency.

Innovation drives us forward, but our customers' success defines our journey. From turning contaminated soil into valuable resources to revolutionizing waste processing, ALLU's engineering excellence continues to add value to operations worldwide.

Today, ALLU's global reach extends across more than 30 countries through dedicated subsidiaries and an expert dealer network. While our roots remain firmly planted in Finnish engineering excellence, 95% of our business serves international markets, making ALLU a trusted name in material processing solutions across continents.

OVER 40 YEARS OF EXPERIENCE

DISTRIBUTED IN OVER 30 COUNTRIES

OVER 100 ALLU DEALERS

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THE VALUES THAT DRIVES US

CUSTOMER FIRST

Our customers' needs shape everything we do at ALLU. We're committed to making their operations more successful and profitable, because their achievement is the true measure of our work.

SAFETY IN MIND

Safety is the foundation of every ALLU product and service. We focus on protecting our customers through careful design and reliable equipment, making sure each attachment works safely from day one through years of operation. We believe the best safety features are the ones built into every detail.

TOGETHER

Success comes from working as one - our team, our dealers, and our customers form a strong global network. We share ideas, solve challenges, and grow stronger through cooperation, because the best results come from working together.

WHY CHOOSE ALLU TRANSFORMER?

Transform your existing machinery into a complete processing plant. ALLU attachments work with wheel loaders, excavators, and skid steers, delivering efficiency right where you need it.

Efficiency is everything. With the ALLU Transformer, you no longer need to haul both a wheel loader or excavator and a crusher to the site. One attachment does the job of many.

The ALLU Transformer is more than just a screening bucket - it screens, crushes, pulverizes, aerates, blends, mixes, separates, feeds, and loads materials. But above all, it transforms the materials you work with, making it possible to recycle and reuse on the spot.

If a material can be broken with a regular household hammer, it can be processed with an ALLU Transformer. Suitable materials are soft and brittle, such as soft limestone, coal, and similar aggregates. However, exceptionally hard limestone, dense concrete, granite, and other eruptive minerals are beyond processing capabilities.

Versatility is at the heart of the Transformer. It handles everything from topsoil, excavated and contaminated soil to clay, peat, bark, and compost. It makes quick work of bio-waste, demolition and construction debris, and even heavier materials like milled asphalt, coal, oil shale, and limestone.

And it doesn't just process materials - it does it anywhere. No fixed installations, no complicated setups. Just attach it to your machine, and you're good to go.

By turning your base machine into a mobile processing plant, the ALLU Transformer cuts down on your investment, operational costs, transportation expenses, fuel consumption, and overall carbon footprint. And unlike many other solutions, it doesn't need electricity - just your machine and a job to do.

TRANSFORMS YOUR MACHINE INTO A PLANT

PROCESSES WET, DRY, & FROZEN

QUICKLY MODIFY FRACTION SIZES

HOW IT WORKS?

The ALLU Transformer operates in a simple, efficient four-phase process, ensuring optimal material flow, screening, and crushing with minimal waste. Its mobile design, adaptable blades, and self-cleaning system make processing easier and sustainable.

MOBILE

Converts your base machine into a mobile processing plant.

VERSATILE

Replace additional machines by completing different work tasks in one go. Screen, crush, aerate, load, feed, mix, separate, pulverize with the same unit.

EFFICIENT PROCESSES

Process materials fast and efficiently in one step operation.

PLUG AND PLAY

Simple installation to excavators and wheel loaders.

SELF-CLEANING DESIGN

ALLU Transformer works well even with wet materials.

CHANGEABLE BLADE CONFIGURATION

Change between fragment sizes and applications.

GREEN CREDENTIALS

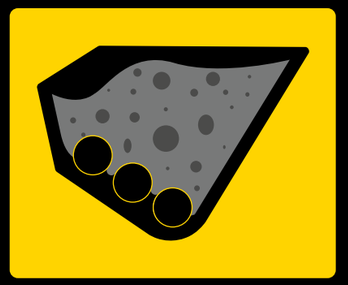
Smaller carbon footprint and less transportation costs.

ONE STEP

Processing and loading occur simultaneously in one step.

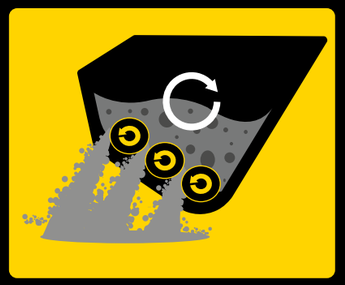
THE ALLU SCREENING PROCESS

PHASE 1



Initial loading of material into the bucket.

PHASE 2



Active screening and crushing process begins.

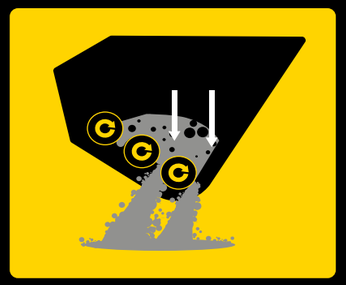
Standard drum rotation ensures efficient material processing.

Optimized flow and circulation for smooth operation.

Minimal risk of material vaulting or clogging.

About half of the bucket's capacity is in use.

PHASE 3



Reverse drum rotation to clear residual material. *If needed to crush the residual material.

Ensures even material distribution and prevents blockages.

Approximately 1/4 of the bucket's capacity.

Why to use ALLU transformer?

Choosing the right screening solution can mean the difference between an efficient, cost-effective operation and one weighed down by transport costs, logistical delays, and limited flexibility. Stationary screeners, mobile screeners, and trommels each have their place, but they all share one limitation: they require material to be moved to them.

With ALLU Transformer, the solution comes to the material - not the other way around.

STATIONARY SCREENING PLANT

A stationary screener might work well in a fixed, high-volume operation, but on a job site, it creates costly inefficiencies:

- Requires bulk storage of material before screening.
- Material must be piled, stored, & transported for processing.
- Significant upfront investment in equipment.
- Limited to one location, reducing flexibility.

MOBILE SCREENS

Mobile screeners offer some flexibility but still require logistics and transport planning:

- Must be moved separately from one site to another
- Requires material to be brought to the machine.
- Needs additional equipment (loaders, conveyors, and transport vehicles).

Unlike these solutions, ALLU eliminates the need to move material around - screen, crush, and process it exactly where it is.

NO EXTRA TRANSPORT OR MATERIAL HANDLING

ONE ATTACHMENT, NO EXTRA MACHINES

FASTER SETUP, NO FIXED INSTALLATIONS

With ALLU, material is processed exactly where it is needed, reducing operating costs and increasing efficiency. Unlike mobile screeners, which still require transport and separate loading equipment, ALLU moves with the jobsite and eliminates the need for extra machines.

The VD drum system allows for quick fraction size adjustments on-site, offering unmatched flexibility compared to traditional screeners. Whether handling topsoil, demolition waste, or aggregates, ALLU delivers mobility, efficiency, and cost savings in a single, easy-to-use attachment.

APPLICATION RANGE

ALLU attachments handle a vast spectrum of materials - from construction waste and contaminated soils to bio-waste and industrial by-products. Whether you're screening topsoil, crushing limestone, processing compost, or recycling glass, ALLU brings efficiency to every application. From the toughest demolition waste to the most delicate soil screening, one attachment handles it all.

SOIL RECYCLING

Topsoil, sand & gravel, manure & composting, contaminated soil, peat, frozen materials, and carcass disposal

CONCRETE APPLICATION

Light concrete, construction waste, LECA blocks, concrete sludge, and foam glass.

ENERGY INFRASTRUCTURE

Oil & gas padding, solar padding, backfilling, and fiber optics cables padding.

MINING & QUARRYING

Coal, limestone, frozen iron ore, gold ore, heap leaching, bentonite, soft nickel ore, and other saturated bulk materials.

WASTE RECYCLING

Biowaste, waste & surplus crops, household waste, plastic bags, glass, wood pallets, and waste bark.

INDUSTRIAL APPLICATION

Slag, asphalt, ash, raw gypsum, soft & brittle slag, gypsum board, and foundry sand.

SOIL APPLICATIONS

ALLU Screening Buckets handle soil with precision, separating unwanted debris, improving material quality, and enhancing worksite efficiency. From composting to landscaping and agricultural applications, they reduce the need for extra machinery and manual handling while keeping operations smooth - even in challenging conditions like compacted or damp soils.

Composting & Organic Processing | Soil Screening & Refining | Landscaping & Material Preparation

KEY FEATURES

Process soil efficiently on-site without extra handling or hauling. The ALLU Screening Bucket simplifies soil improvement, composting, and landscaping by refining materials directly at the source - saving time, reducing costs, and ensuring consistent quality.

- Screen and refine soil for landscaping, farming, and construction
- Remove rocks, roots, and debris for high-quality topsoil
- Mix and aerate compost to enhance decomposition and enrich soil
- Operational even with wet, lumpy, and sticky materials

RECOMMENDED DRUMS & BLADES

TS Blades: For precise screening and fine material separation.

XHD Blades: For heavy-duty screening and breaking tough materials.

X Blades: Ideal for crushing, soil mixing and aeration.
X75 Blades: Specialized for contaminated soil processing.

PRODUCTS

D-SERIES

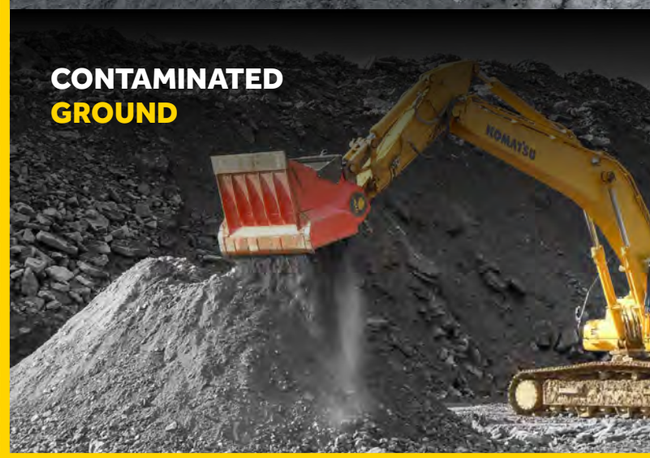
10–45 t | 4–30 t

DL-SERIES

4–12 t | 2–8 t

DC-SERIES

2–6 t | 2–4 t



ASPHALT RECYCLING

Transform asphalt recycling with ALLU's mobile solution. Screen, crush, and load in one operation, processing material where it's generated. The D-Series adapts to any asphalt type - handling cold milled, chunky, or sticky material with precision. One attachment delivers multiple processing capabilities without stationary plant costs.

Milled material processing

Asphalt waste recycling

RAP material preparation

KEY FEATURES

Process materials on-site without stockpiling, reducing transport and landfill costs. ALLU attachments provide a cost-effective alternative to large, stationary plants, allowing efficient asphalt recycling with minimal handling and maximum productivity.

- Durable design ensures performance with minimal downtime
- Reuse the crushed material back in production
- Sustainable recycling solutions that support environment
- Reduce waste and save landfill fees

PRODUCTS

D-SERIES

10–45 t 4–30 t

CRUSHER

8–38 t 4–6 t

RECOMMENDED DRUMS & BLADES

TS AXE

TS Blades: Screens and crushes cold-milled asphalt for ideal fragment size.

TS HYBRID

Hybrid Blades: Ensures efficient processing of asphalt with varied fragment sizes.

* Hybrid blades combine 50% axe and 50% standard screening blades, giving you the perfect balance of aggressive cutting power for wet, sticky, or frozen materials without overwhelming your machine's hydraulics.

RECYCLING OF ASPHALT, PFA, AND MORE: MRD PLANT

"They enable us to access restricted sites where we might not be able to bring in a separate crusher unit."
- Tom Chapman, Managing Director

ALLU DH 4-17

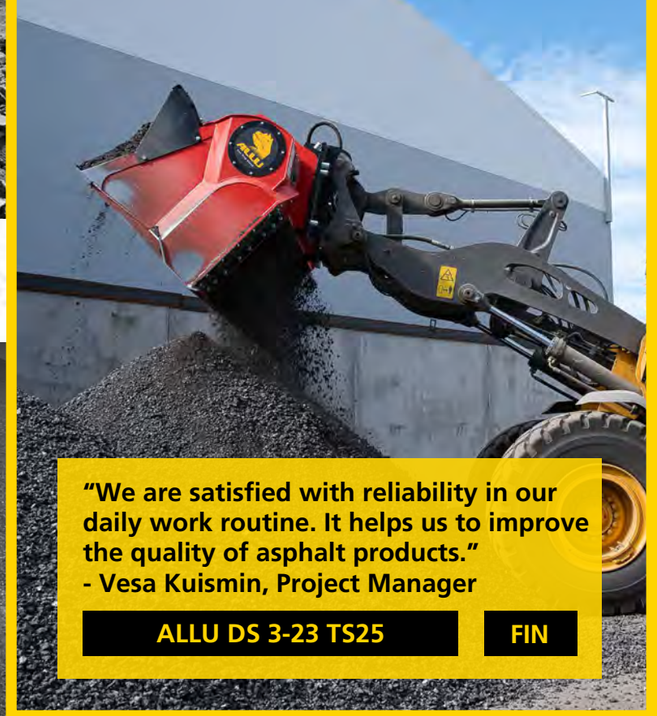
ALLU DS 3-23

COLD MILLED ASPHALT

ASPHALT PLANINGS

Watch How It Works

ASPHALT RECYCLING QUALITY CONTROL: ASFALTTIKALLIO



"We are satisfied with reliability in our daily work routine. It helps us to improve the quality of asphalt products."
- Vesa Kuismin, Project Manager

ALLU DS 3-23 TS25

FIN

CONCRETE APPLICATIONS

ALLU Screening and Crushing Buckets offer an efficient way to process concrete waste on-site, reducing costs and eliminating the need for additional machinery. From demolition debris to lightweight aggregates, these attachments handle reinforced concrete, foam glass, and Leca blocks with ease - turning waste into valuable resources for construction and concrete production.

Concrete & Demolition Recycling | Aggregate Preparation | On-Site Material Processing

KEY FEATURES

Process concrete waste efficiently without extra handling or hauling. ALLU buckets combine screening, crushing, and loading in one step - saving time, reducing costs, and maximizing material recovery.

- Process reinforced concrete while separating rebar
- Adjust the fragment size according to needs
- Handle dense and lightweight concrete materials
- Turn demolition waste into valuable resources directly on-site

RECOMMENDED DRUMS & BLADES

X 75

X75 Blades: Efficiently processes concrete waste for recycling. Good for crushing and pre-crushing concrete waste for futher refinement.

TS AXE

TS Axe Blades: Good for light crushing and screening. Easily crushes hardened and lumpy concrete sludge, breaks down Leca blocks to finer fragment size after pre-crushing.

PRODUCTS

D-SERIES

10–45 t | 4–30 t

CRUSHER

8–38 t | 4–6 t

ENERGY INFRASTRUCTURE

ALLU Screening Buckets protect critical utility networks by creating perfect padding and backfilling material on site. Turn your excavated soil into specification - grade protection for gas lines, fiber optics, and underground cables - eliminating material imports while meeting strict industry standards.

Pipeline Protection | Cable Network Safety | Municipal Utility Lines

KEY FEATURES

Process excavated material into padding directly at the trench. ALLU buckets screen and load in one step - eliminating delays from material shortages, keeping the workflow smooth, and reducing imported material costs while ensuring infrastructure protection.

- Produce exact padding and backfilling sizes for pipelines
- Handle challenging soil conditions easily
- Process material right at the utility line
- Ensure fine padding for sensitive fiber optics

RECOMMENDED DRUMS & BLADES

TS

TS 16, 25 Blades: Screen fine materials to ensure proper trench backfilling.

TS 8 Blades: Ensure fine material screening for fiber optics and solar cable padding.

XHD

XHD 25 Blades: Handle tough excavated materials for stable pipeline padding.

PRODUCTS

D-SERIES

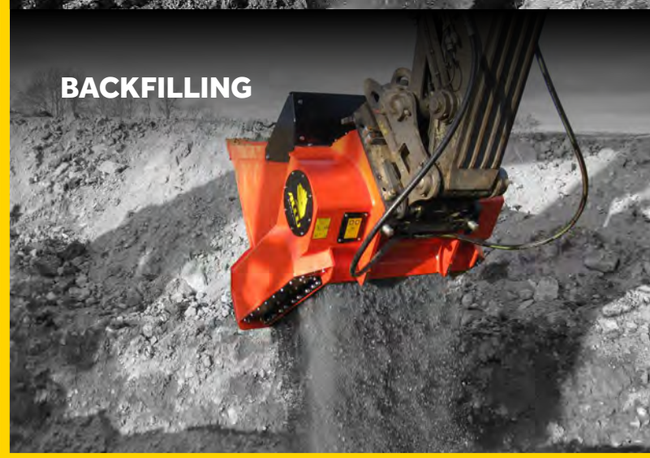
10–45 t | 4–30 t

DL-SERIES

4–12 t | 2–8 t

DC-SERIES

2–6 t | 2–4 t



MINING & QUARRYING

ALLU Screening and Crushing Buckets maximize mining productivity by processing materials on-site, cutting costs and eliminating stationary plant needs. From iron ore to coal processing, these attachments handle frozen, sticky, and abrasive materials with ease - turning challenging materials into properly sized output for further processing.

Limestone & Soft Rock Processing | Ore & Coal Processing | Quarry Material Preparation

KEY FEATURES

Process mining materials efficiently at the source without extra handling or hauling. ALLU buckets combine screening, crushing, and loading in one step - saving time, reducing costs, and maximizing material recovery.

- **Handle frozen or sticky materials without clogging**
- Handle large quantities of materials with consistent output
- **Built to last - process abrasive materials with ease**
- Turns your loading fleet into processing units

RECOMMENDED DRUMS & BLADES

TS

TS Blades: Screen limestone into precise fragment sizes for construction. Process gold ore tailings to maximize recovery.

TS S 50 Blades: Pre-screen and crush bentonite to prevent processing issues.

X

X75 Blades: For coal crushing with consistent size.
X75 Blades: Crush and screen frozen iron ore.

PRODUCTS

D-SERIES

10 – 45 t | 4 – 30 t

M-SERIES

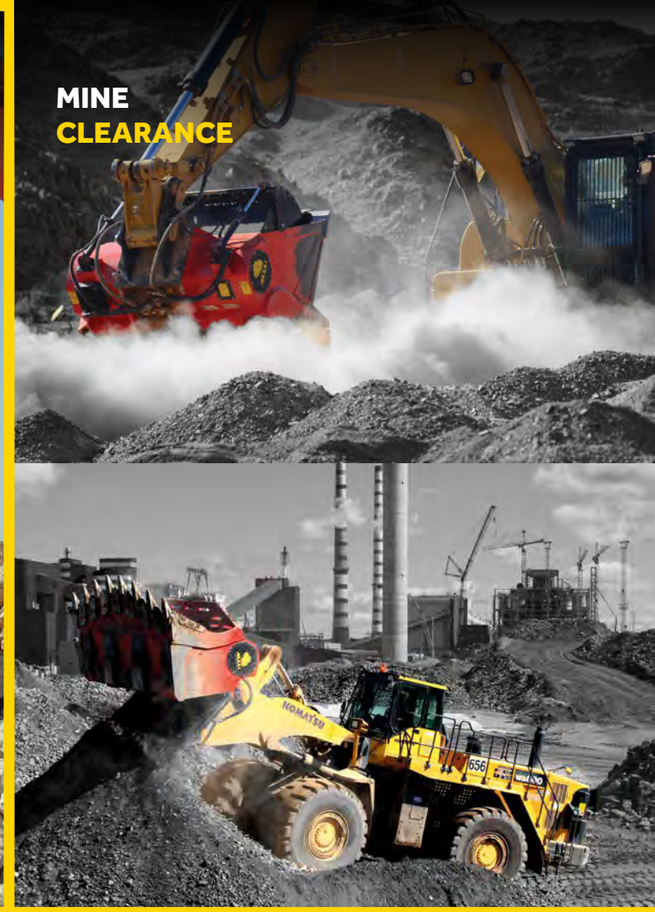
50 – 120 t | 35 – 70 t

LIMESTONE CRUSHING IN OMAN

Limestone boulders crushed from 300mm to 90mm in one step for road construction, eliminating traditional crushing setup and permits.

M 3-25 X75 | **OM**

MINE CLEARANCE



SOFT ROCK PROCESSING

Watch How It Works

LIME SCREENING FOR KURDEEZ MINERALS

"This is the best attachment I have ever worked with after using it for 5 months." - Aidan, The Quarry Manager

DH3-17 TS 25 TS50 A | **AU**

WASTE RECYCLING

ALLU Screening and Crushing Buckets make waste management more efficient by processing materials on-site, cutting disposal costs, and removing the need for extra equipment. From waste bags to bio-waste, these attachments handle wet, sticky, and mixed materials with ease - turning waste into usable resources through effective screening and separation.

Bio-waste & Composting | Waste Bark | Household Waste Processing

KEY FEATURES

Process waste materials efficiently at the source without extra handling or transport. ALLU buckets combine screening, crushing, and loading in one step - saving time, reducing landfill costs, and maximizing resource recovery.

- **Screen various materials from bio-waste to glass**
- **Handle food waste, sticky compost, industrial and municipal waste**
- Sort and recover valuable materials on-site
- **Process mixed waste in one operation**

RECOMMENDED DRUMS & BLADES

TS Blades: Screen and refine materials for efficient processing.

TS 35 Axe Blades: Shred wood bark into smaller pieces for energy production.

XHD Blades: Handle tough waste materials with high durability.

XHD 40/60 Blades: Crush and process waste efficiently for recycling.

PRODUCTS

D-SERIES

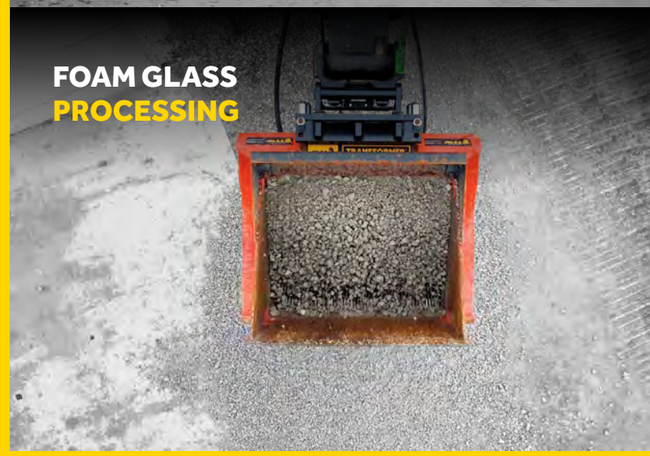
10–45 t | 4–30 t

DL-SERIES

4–12 t | 2–8 t

At waste management facility, ALLU demonstrated different screening bucket configurations focusing on waste bag processing.

DH 3-17 XHD40 | **FI**



Watch How It Works

At JPJ Wood, the ALLU bucket efficiently processes waste bark through its self-cleaning system, ensuring continuous operation without clogging.

DS 4-23 TS35 A | **FI**

INDUSTRIAL APPLICATIONS

ALLU Screening and Crushing Buckets enhance industrial operations by processing materials on-site, optimizing quality control, and eliminating extra equipment needs. From raw materials to production residues, these attachments effectively handle challenging materials - transforming industrial by-products into valuable resources through efficient screening and processing.

Slag Processing | Crushing Coal | Waste Material Processing

KEY FEATURES

Process industrial materials directly at source - from frozen coal stockpiles to production residues. ALLU buckets combine screening, crushing, and loading in one step, keeping production lines running while reducing material handling costs and maximizing material recovery.

- **Screen raw materials to correct size for production lines**
- **Process industrial by-products like slag**
- **Break up frozen coal and mineral stockpiles**
- **Feed production waste back into production**

RECOMMENDED DRUMS & BLADES

TS

TS Axe Blades: Screen slag impurities and soft industrial residues.
TS 25 Axe Blades: Slag refinement.

XHD

XHD 40/60 Blades : Crush and process raw gypsum and tough materials.

X

X75 Blades: Crush coal in one step for consistent sizing.
XHD 60 + 40 Blades: Separate metal scrap from industrial ash.

PRODUCTS

D-SERIES

10 – 45 t | 4 – 30 t

M-SERIES

50 – 120 t | 35 – 70 t

SCREENING BUCKETS
FOR JOBS OF ALL SIZES

EXCAVATOR 120 TONS — 2 TONS

WHEEL LOADER 70 TONS — 2 TONS

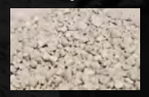
HOW TO CHOOSE A BUCKET

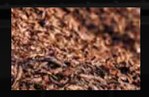
Understanding the customer's challenges, whether related to transportation, fuel costs, storage, or material size, is key to finding the right solution.

1 KNOW THEIR MATERIAL, TASK AND REQUIRED FRAGMENT SIZE

Basics first: What material is handled, and what's the target fragment size?

Additional questions to ask: What purpose is the material used for? Should it be screened or crushed? Is it dry, wet, or sticky? Is the valuable material the output or what stays in the bucket? Or is the purpose to process the material completely? Ask for photos of the material to help refine the right setup.





2 BASE MACHINE COMPATIBILITY

Match the attachment to their equipment's specifications.

Each ALLU model is designed for specific carrier weight classes, ensuring proper lift capacity, hydraulic power, and operational efficiency. Consider the base machine: Does it have two-way hydraulics? What mount plate model is needed, or is no mount plate required?



3 DRUM CONFIGURATION SELECTION

Choose the optimal drum:

TS drums for versatile screening, light crushing and shredding applications.
X drums for enhanced crushing, mixing and effective aerating.
XHD drums for coarse material screening and crushing.

4 BLADE SPECIFICATION

TS Standard for screening applications.
TS Axe for light crushing and shredding
See the size chart for fragment sizes.

XHD 40 is the standard blade for all applications of this drum type.
XHD 60 is used for different particle sizes and can be selected as a long 'L' version on middle drums for more processing power with soft materials.

X (X75 and X100) use the same blade.

5 ADD THE RIGHT ACCESSORIES

Finish with the needed accessories:

- DLE (Drain Line Eliminator)
- Extra side
- Adapter

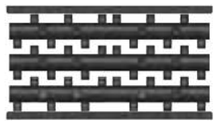
6 YOU HAVE THE PERFECT ALLU BUCKET FOR THE JOB

DRUM & BLADE SELECTION GUIDE

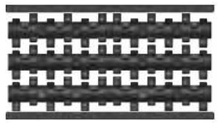
Find the right drum and blade setup for the material. This guide helps you choose the best combination for screening, crushing, aerating, and mixing with the ALLU bucket.

CRUSHING, AERATING

X100
Output particle size: 65% < 100mm
Max. particle size: 150mm



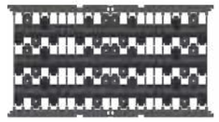
X75
Output particle size: 65% < 75mm
Max. particle size: 100mm



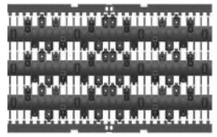
X50
Output particle size: 65% < 50mm
Max. particle size: 100mm

SCREENING, MIXING, CRUSHING

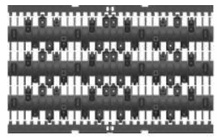
XHD60
Output particle size: 90% < 60mm
Max. particle size: 80mm



XHD40
Output particle size: 90% < 40mm
Max. particle size: 60mm

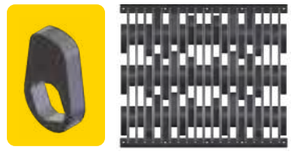


XHD25
Output particle size: 90% < 25mm
Max. particle size: 60mm

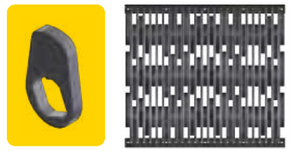


SCREENING, TS STANDARD BLADE

TS35 S
Output size: 90% < 35mm
Max. particle size: 40mm

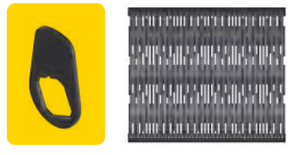


TS25 S
Output size: 90% < 25mm
Max. particle size: 30mm



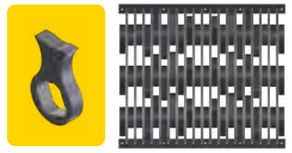
TS16 S
Output size: 90% < 16mm
Max. particle size: 20mm

TS08 S
Output size: 90% < 8mm
Max. particle size: 12mm

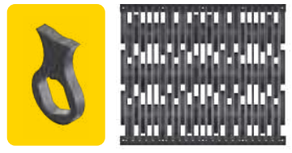


LIGHT CRUSHING, TS AXE BLADE

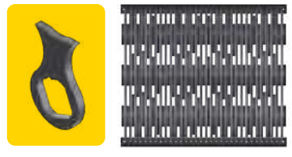
TS35 A
Output size: 90% < 35mm
Max. particle size: 40mm



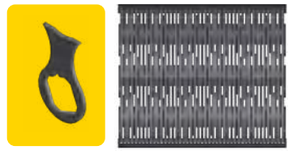
TS25 A
Output size: 90% < 25mm
Max. particle size: 30mm



TS16 A
Output size: 90% < 16mm
Max. particle size: 20mm



TS08 A
Output size: 90% < 8mm
Max. particle size: 12mm



*All given particle sizes and distributions are approximate, and depend of wear and processed material.

ALLU DC-SERIES

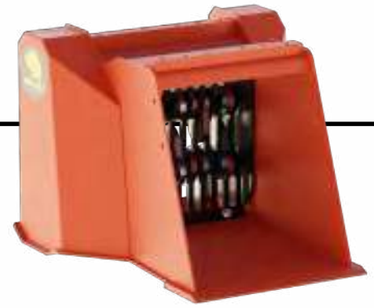
SKID-STEER LOADER: 2 - 4 ton

EXCAVATOR: 2 - 6 ton

Designed for carriers from 2-6 tonnes, ALLU DC-Series screening buckets deliver precision and efficiency in a compact package. The optimized size and weight distribution ensure excellent machine stability, while the low-profile design enhances material loading. Whether mounted directly or used with a tilt-rotator, these buckets bring versatility to smaller operations.

DC-SERIES MODELS

With its self-cleaning drum and screening bed, the bucket can efficiently screen, separate, and crush different materials, even wet or lumpy ones.
DC models: A drain line is not needed.



ALLU TRANSFORMER

DC 2-04

ALLU DC-SERIES

Compact but powerful - turn your mini excavator into a screening machine.

LIGHTWEIGHT & TOUGH | ONE STEP SCREENING

ALLU TRANSFORMER

DC 2-08

ALLU DC-SERIES

Crush downtime, cut material costs, and make every scoop count.

COMPACT AND AGILE BUCKET | HANDLE STICKY MATERIALS

ALLU TRANSFORMER

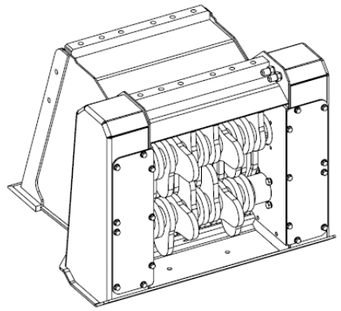
DC 2-12

ALLU DC-SERIES

This bucket turns bulk material handling into a smooth, continuous flow.

PERFECT FOR TIGHT SPACES | SCREEN, SEPARATE, CRUSH

DC-SERIES FEATURES



Designed for Precision

Low-profile structure enhances breakout force, making it easy to handle - even with a tiltrotator.

Optimized Hydraulics

Right-sized hydraulic motor ensures steady drum speed, even with lower flow rates.

Durable by Design

Wear-resistant steel parts provide excellent durability, allowing light crushing beyond just screening.

Fast & Simple Maintenance

Modular screening bed structure allows quick and effortless replacement.

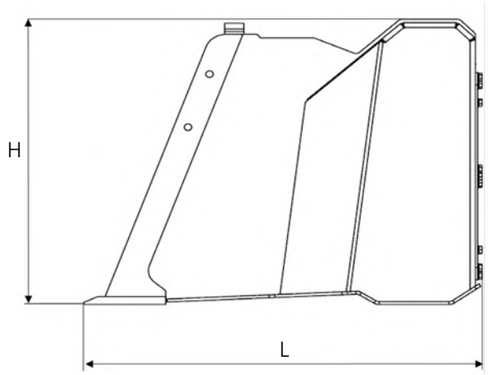
Smart Hydraulic System

Two-way hydraulics enable quick recovery from jams, keeping operations smooth.

Hassle-Free Setup

No drain line required - just plug and play for seamless installation.

TECHNICAL LAYOUT



MODEL	H (MM)	L (MM)	W (MM)	W1 (MM)
DC 2-04	580	730	720	450
DC 2-08	580	730	1140	870
DC 2-12	570	850	1558	1290

SPECIFICATIONS

MODEL	EXCAVATOR		WHEEL LOADER		VOLUME		OIL FLOW		WEIGHT		WORKING CAPACITY		MAX. PRESSURE	
	t	lbs	t	lbs	m³	cu yd	l/min	gpm	kg	lbs	m3 / hr	cu yd / hr	bar	psi
DC 2-04	2-4	4,400-8,800	-	-	0.09-0.11	0.12-0.14	15-30	4-8	170	352	3.3-6.6	4.2-8.4	200	2900
DC 2-08	4-6	8,800-13,200	-	-	0.18-0.23	0.23-0.30	20-40	5-10	275	572	6.9-13.8	9-18	200	2900
DC 2-12	-	-	2-4	4,400-8,800	0.34-0.42	0.43-0.53	40-80	10-20	415	836	12.6-25.2	12.9-25.8	200	2900

ALLU DL-SERIES

WHEEL LOADER: 2 - 8 ton

EXCAVATOR: 4 - 12 ton

The ALLU DL-series is designed for compact machines, providing efficient screening and material processing for landscaping, agriculture, and earthmoving applications. Its lightweight structure and reliable performance make it an ideal solution for handling topsoil, compost, sand, and other fine materials.

DL-SERIES MODELS

For excavators and loaders, DL-Series buckets screen efficiently on-site - perfect for landscaping, agriculture, and earthworks. For DL models, the drain line is not needed.

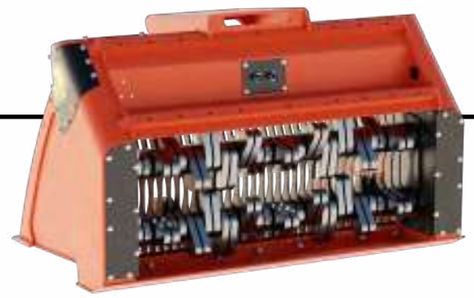
ALLU TRANSFORMER

DL 2-09

ALLU DL-SERIES

Small, fast, efficient - perfect for compact machines handling topsoil, peat, and landscaping.

SMOOTH SCREENING | QUICK, EASY SEPARATION



ALLU TRANSFORMER

DL 2-12

ALLU DL-SERIES

More capacity, same speed. Built for mid-sized machines, it screens effortlessly while reducing wear.

PERFECT FOR LANDSCAPING | EFFICIENCY ON DEMAND

ALLU TRANSFORMER

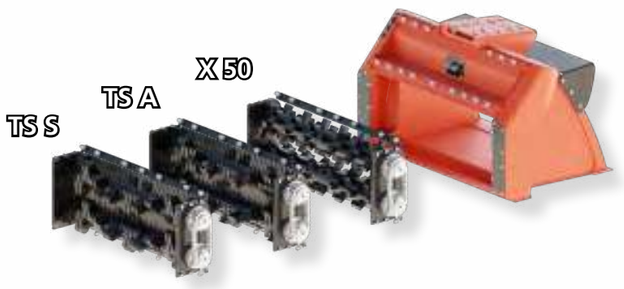
DL 2-17

ALLU DL-SERIES

More capacity, same agility - handle more material.

TOUGH DESIGN, LESS WEAR | FITS COMPACT MACHINES

DL-SERIES FEATURES



Smart Top Screen

Unique design with screening blades spinning between combs - ensuring consistent material flow and precise output size.

Clog-Free Performance

Optimized structure handles wet materials with ease, keeping capacity high and downtime low.

Reduced Wear & Tear

Top screen combs carry most of the material weight, minimizing stress on drums and bearings for a longer lifespan.

Cost-Effective Maintenance

Replaceable screening blades and top screen combs keep operating costs low and ensure long-term efficiency.

Easy & Efficient

Simple structure means easy maintenance - less hassle, more productivity on-site.

Perfect for Landscaping

Designed to screen topsoil and peat effortlessly, making it the ideal tool for ground preparation and material refinement.

RANGE & OPTIONS

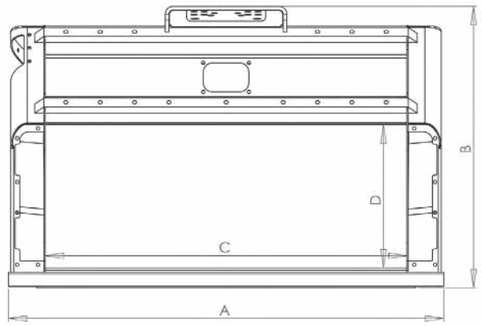
TS

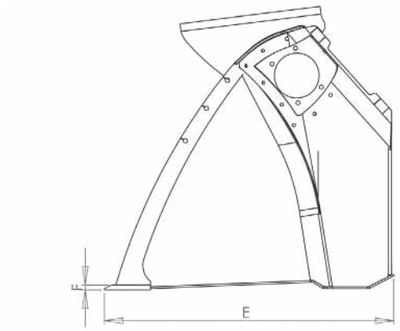
For fine screening & easy shredding applications
Size options: TS 08,16,25

X50

For coarse screening, mixing and separating applications

TECHNICAL SPECIFICATIONS





MODEL	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	F (MM)
DL 2-09	1100	920	860	470	945	16
DL 2-12	1430	920	1190	470	945	16
DL 2-17	1895	860	1650	470	945	16

MODEL	EXCAVATOR		WHEEL LOADER		VOLUME		OIL FLOW		WEIGHT		WORKING CAPACITY		MAX. PRESSURE	
	t	lbs	t	lbs	m^3	cu yd	l/min	gpm	kg	lbs	m3 / hr	cu yd / hr	bar	psi
DL 2-09	4-12	8,800-26,500	2-8	4,400-17,600	0.27	0.35	60-90	15.9-23.8	430-560	948-1,235	11-22	14-22	200	2900
DL 2-12	7-12	15,400-26,500	3-8	6,600-17,600	0.37	0.48	60-90	15.9-23.8	510-630	1,124-1,389	15-30	20-40	200	2900
DL 2-17	9-12	19,800-26,500	4-8	8,800-17,600	0.51	0.67	60-90	15.9-23.8	660-730	1,455-1,609	22-44	29-58	200	2900

ALLU D-SERIES

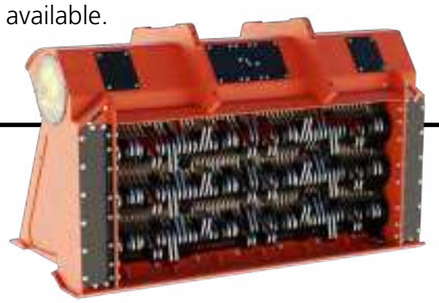
WHEEL LOADER: 4 - 30 ton

EXCAVATOR: 10 - 45 ton

The ALLU Transformer D-Series buckets are built for tough screening jobs, handling everything from fine soil to demolition waste with ease. Designed for excavators and wheel loaders, they make material processing faster, smoother, and more efficient - right where you need it.

D-SERIES MODELS

The ALLU D-Series DN, DS, and DH ensure efficient material processing with excavators and wheel loaders. All models share blades and drums for easy selection. A drain line is required (max. 60 bar), with a no-drain line option available.



ALLU TRANSFORMER

DN 3-17

ALLU D-SERIES

Lightweight but powerful - turns everyday material into high-quality output with minimal effort.

NO EXTRA HANDLING | **HANDLES PRESSURE WITH EASE**

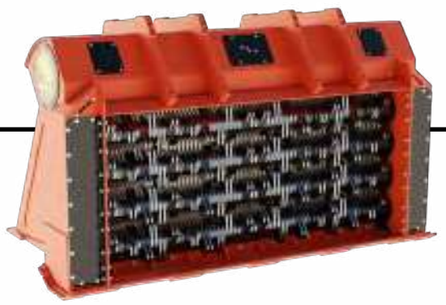
ALLU TRANSFORMER

DS 4-17

ALLU D-SERIES

More capacity, same precision. Built for demanding jobs, this bucket screens faster while keeping material quality high.

MORE CONTROL, MORE POWER | **RELIABLE IN ANY CONDITIONS**



ALLU TRANSFORMER

DH 4-23

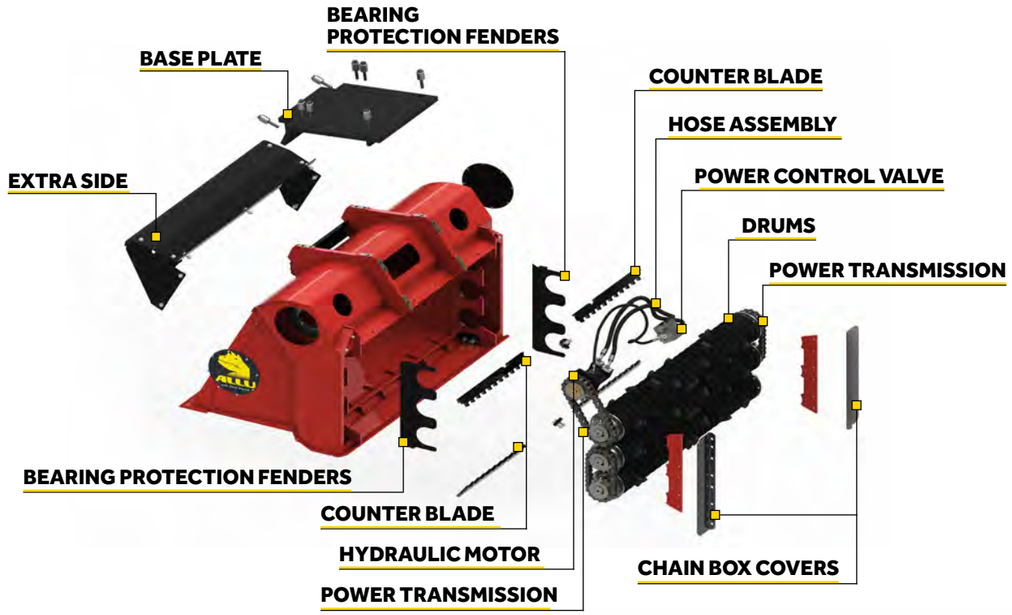
ALLU D-SERIES

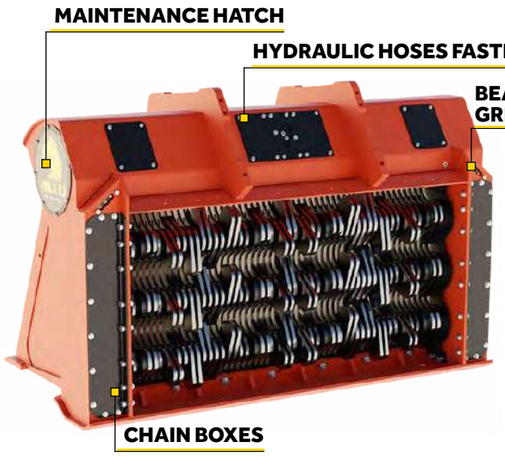
Built tough for heavy-duty screening - reinforced for tough jobs.

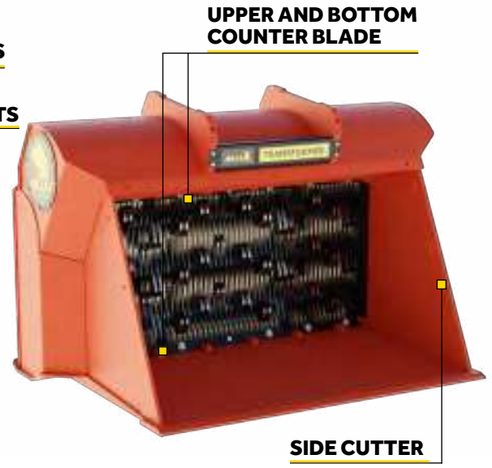
EXTRA SIDE REINFORCEMENTS | **HANDLES LARGE VOLUMES**

D-SERIES, DN

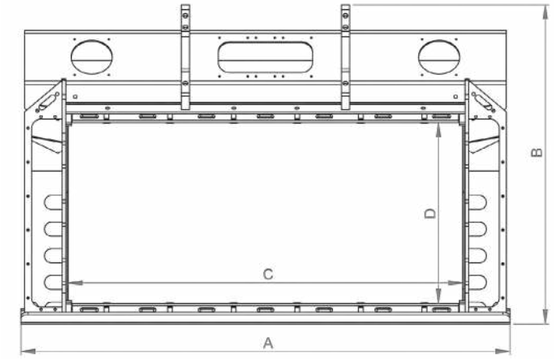
The ALLU DN-Series screening buckets are designed for efficient material processing in landscaping, agriculture, and construction applications. With their compact yet durable design, DN-Series buckets ensure smooth operation even in demanding conditions.

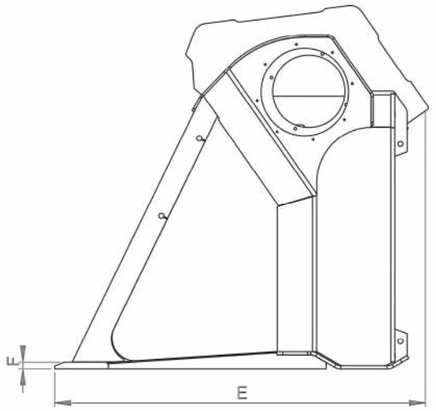






DIMENSIONS





MODEL	DN 2-09	DN 2-12	DN 2-17	DN 3-09	DN 3-12	DN 3-17
A	1280 mm	1540 mm	2080 mm	1280 mm	1540 mm	2080 mm
B	1110 mm	1110 mm	1110 mm	1360 mm	1360 mm	1360 mm
C	820 mm	1090 mm	1625 mm	820 mm	1090 mm	1625 mm
D	520 mm	520 mm	520 mm	765 mm	765 mm	765 mm
E	1280 mm	1280 mm	1280 mm	1400 mm	1400 mm	1400 mm
F	25 mm	25 mm	25 mm	25 mm	25 mm	25 mm

DRUMS & BLADES OPTIONS

TS drums with Screening Blades - sizes available: 8, 16, 25 and 35 mm

TS drums with Crushing Blades - sizes available: 8, 16, 25 and 35 mm

XHD 25, 40 and 60 drums for screening and crushing

X75 and X100 drums for stabilizing, mixing, aerating and crushing

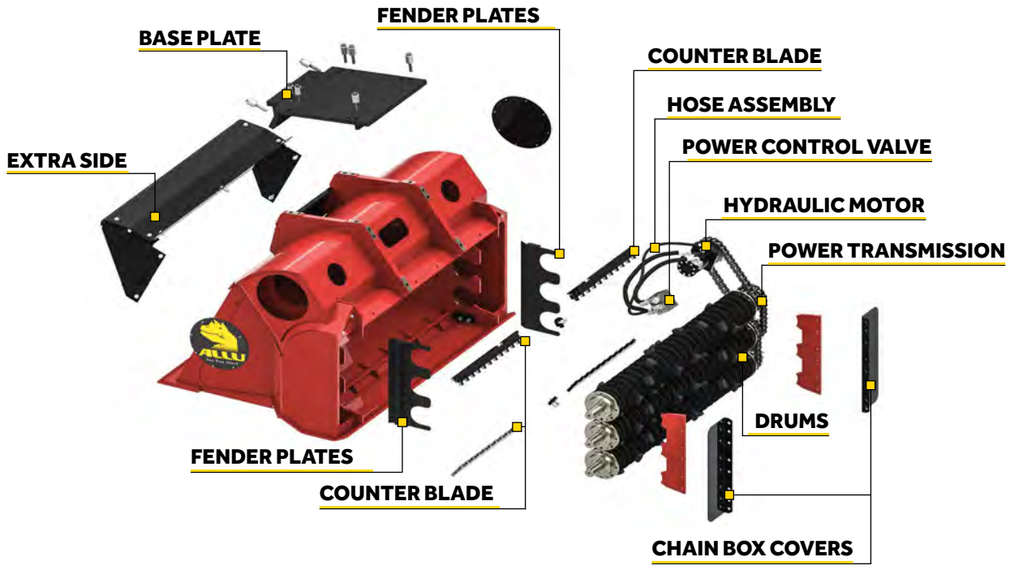
SPECIFICATIONS

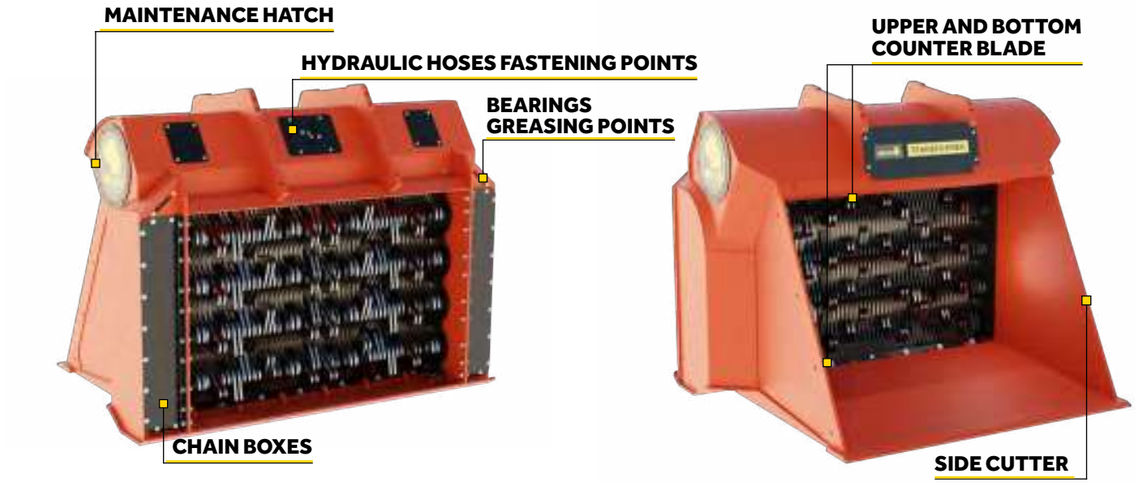
MODEL	EXCAVATOR		WHEEL LOADER		VOLUME		OIL FLOW		WEIGHT		WORKING CAPACITY *		MAX. INLET PRESSURE		MOTOR(S)
	t	lbs	t	lbs	m^3	cu yd	l/min	gpm	kg	lbs	m3/ hr	cu yd / hr	bar	psi	cc
DN 2-09	10-28	22,050-62,000	4-14	8,800-31,000	0.4-0.5	0.5-0.6	70-120	18.4-31.7	900 - 1,000	2,072 - 2,205	15-30	19,5-39	300	4350	1 x 470
DN 2-12	12-28	22,050-62,000	6-14	13,200-31,000	0.5-0.7	0.7-0.9	70-120 (TS: 95-160)	18.4-31.7 (TS: 25-42.2)	1,000 - 1,200	2,359 - 2,668	20-40	26-52	300	4350	1 x 470 (TS: 1 x 630)
DN 2-17	15-28	33,000-62,000	7-14	15,400-31,000	0.8-1.0	1.0-1.3	70-120 (TS: 95-160)	18.4-31.7 (TS: 25-42.2)	1,300 - 1,500	2,932 - 3,329	30-60	39-78	300	4350	1 x 470 (TS: 1 x 630)
DN 3-09	12-28	22,050-62,000	6-14	13,200-31,000	0.6-0.7	0.8-1.0	70-120	18.4-31.7	1,150 - 1,300	2,535 - 2,888	22-45	28-58	300	4350	1 x 470
DN 3-12	16-28	35,300-62,000	7-14	15,400-31,000	0.8-1.0	1.0-1.3	95-160 (TS: 120-200)	25-42.2 (TS: 31.7-52.8)	1,300 - 1,500	2,932 - 3,373	30-60	39-78	300	4350	1 x 630 (TS: 1 x 800)
DN 3-17	20-28	44,100-62,000	7-14	15,400-31,000	1.2-1.5	1.5-2.0	95-160 (TS: 120-200)	25-42.2 (TS: 31.7-52.8)	1,700 - 1,900	3,814 - 4,255	45-90	58-117	300	4350	1 x 630 (TS: 1 x 800)

* – Based on typical 1-2 min working cycle and heaped load capacity

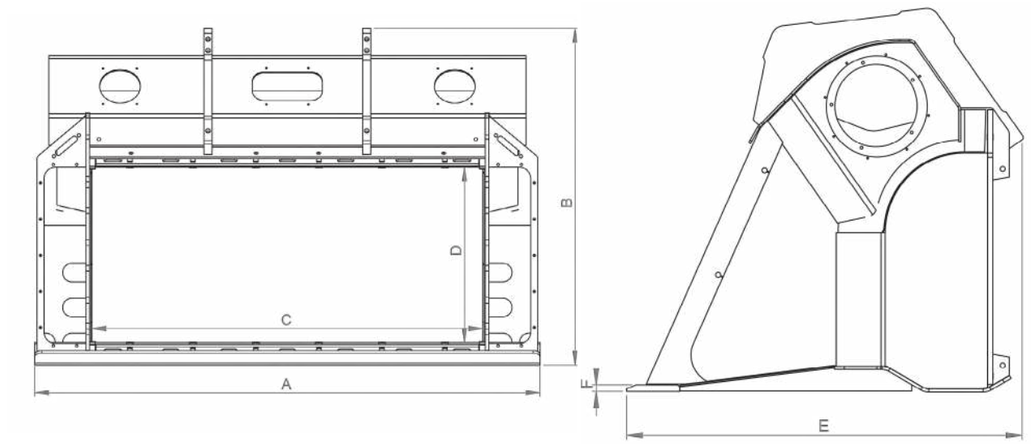
D-SERIES, DS

The ALLU DS-Series screening buckets offer higher capacity and faster material processing for construction, landscaping, and earthmoving. Designed for efficiency, DS buckets handle larger volumes with ease in tough conditions.



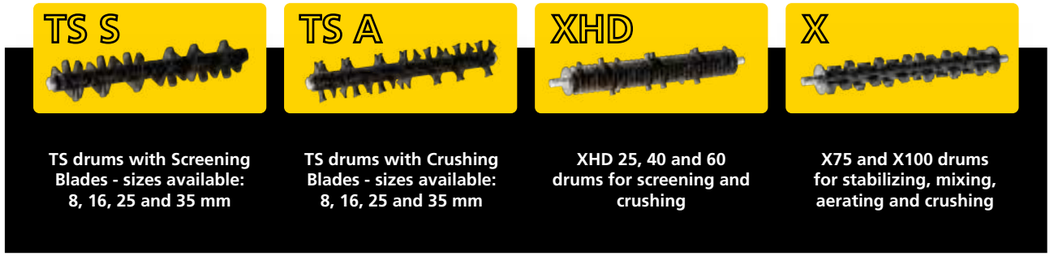


DIMENSIONS



MODEL	DS 3-12	DS 3-17	DS 3-23	DS 4-12	DS 4-17	DS 4-23
A	1630 mm	2170 mm	2710 mm	1630 mm	2170 mm	2710 mm
B	1440 mm	1440 mm	1440 mm	1690 mm	1690 mm	1690 mm
C	1090 mm	1625 mm	2170 mm	1090 mm	1625 mm	2170 mm
D	765 mm	765 mm	765 mm	1015 mm	1015 mm	1015 mm
E	1510 mm	1510 mm	1510 mm	1750 mm	1750 mm	1750 mm
F	25 mm	25 mm	25 mm	25 mm	25 mm	25 mm

DRUMS & BLADES OPTIONS



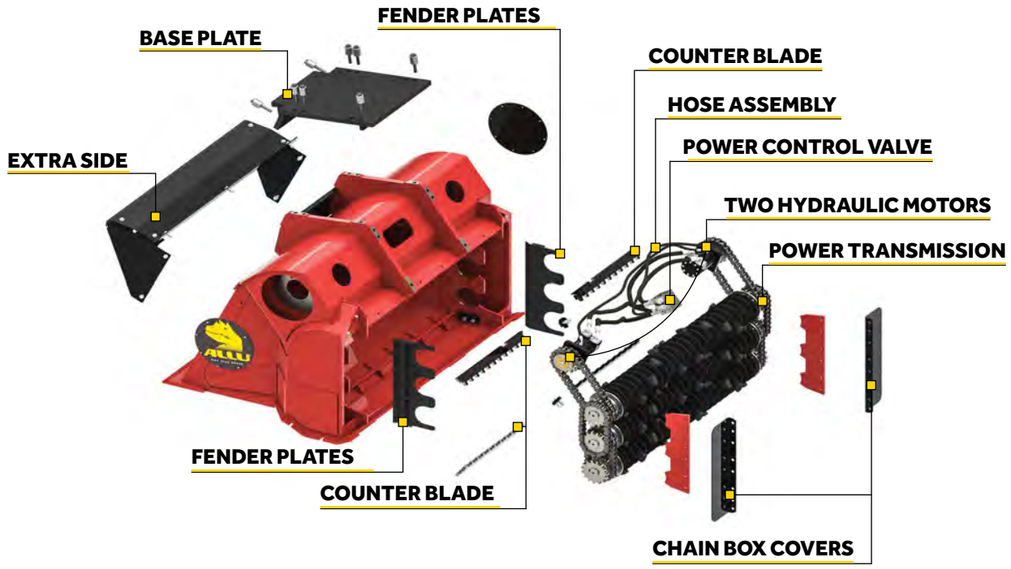
SPECIFICATIONS

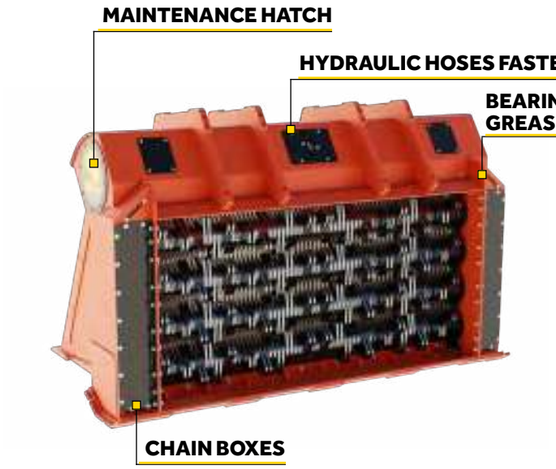
MODEL	EXCAVATOR		WHEEL LOADER		VOLUME		OIL FLOW		WEIGHT		WORKING CAPACITY *		Max. Inlet pressure		Motor(s)
	t	lbs	t	lbs	m^3	cu yd	l/min	gpm	kg	lbs	m3/ hr	cu yd / hr	bar	psi	cc
DS 3-12	16-35	35,300-77,000	8-22	17,600-48,500	0.8-1.0	1.1-1.4	95-160 (TS: 120-200)	25-42.2 (TS: 31.7-52.8)	1,570 - 1,720	3,461 - 3,792	30-60	39-78	300	4350	1 x 630 (TS: 1 x 800)
DS 3-17	20-35	44,100-77,000	10-22	22,100-48,500	1.2-1.6	1.6-2.1	95-160 (TS: 120-200)	25-42.2 (TS: 31.7-52.8)	1,920 - 2,170	4,233 - 4,784	45-95	58-117	300	4350	1 x 630 (TS: 1 x 800)
DS 3-23	24-35	53,000-77,000	12-22	26,500-48,500	1.6-2.1	2.1-2.8	120-200 (TS: 140-235)	31.7-52.8 (TS: 36.9-62)	2,350 - 2,730	5,181 - 6,019	60-120	78-156	300	4350	1 x 800 (TS: 2 x 470)
DS 4-12	20-35	44,100-77,000	10-22	22,100-48,500	1.2-1.6	1.6-2.0	95-160 (TS: 120-200)	25-42.2 (TS: 31.7-52.8)	1,860 - 2,080	4,101 - 4,586	35-75	45-97	300	4350	1 x 630 (TS: 1 x 800)
DS 4-17	24-35	53,000-77,000	12-22	26,500-48,500	1.8-2.4	2.4-3.1	120-200 (TS: 140-235)	31.7-52.8 (TS: 36.9-62)	2,240 - 2,590	4,938 - 5,710	70-140	90-182	300	4350	1 x 800 (TS: 2 x 470)
DS 4-23	30-35*	66,100-77,000	14-22	31,000-48,500	2.4-3.3	3.1-4.2	190-315 (TS: 190-315)	50.1-83.2	2,980 - 3,440	6,570 - 7,584	85-190	110-247	300	4350	2 x 630 (TS: 2 x 630)

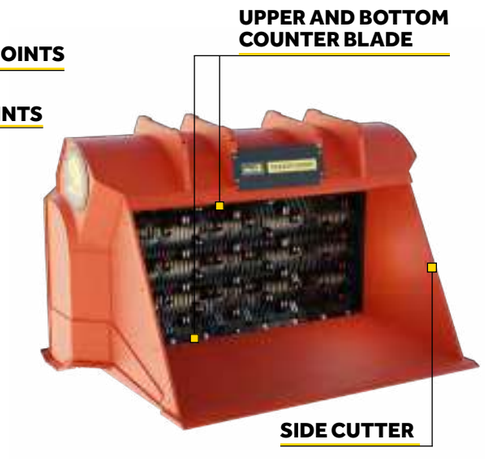
* – Based on typical 1-2 min working cycle and heaped load capacity

D-SERIES, DH

The ALLU DH-Series screening buckets are built for heavy-duty applications in demolition, waste handling, and mining. With a reinforced design, DH buckets deliver powerful screening and crushing for demanding materials.





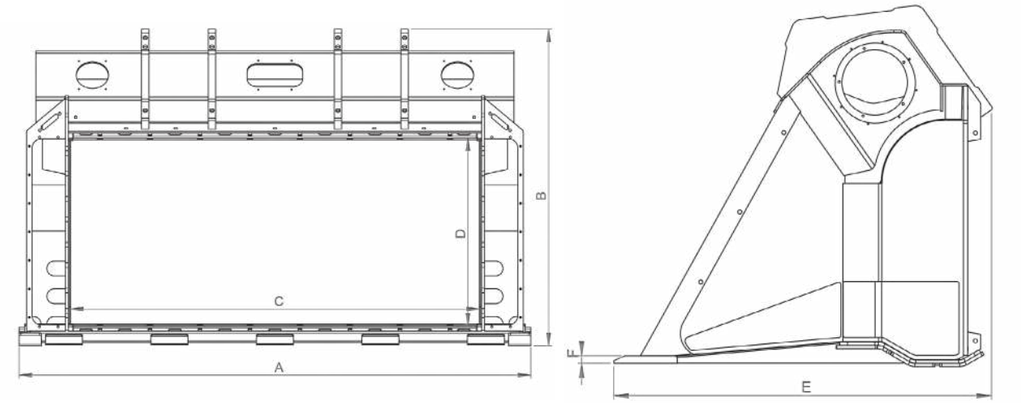


SPECIFICATIONS

MODEL	EXCAVATOR		WHEEL LOADER		VOLUME		OIL FLOW		WEIGHT		Working capacity *		Max. Inlet pressure		Motor(s)
	t	lbs	t	lbs	m³	cu yd	l/min	gpm	kg	lbs	m3/ hr	cu yd / hr	bar	psi	cc
DH 3-12	18-45	39,700-94,000	8-30	17,600-66,100	0.9-1.1	1.1-1.4	140-235 (TS:190-315)	36.9-62 (TS: 50.1-83.2)	1,890 - 2,080	4,167 - 4,586	30-60	39-78	300	4350	2 x 470 (TS: 2 x 630)
DH 3-17	22-45	48,500-94,000	10-30	22,100-66,100	1.2-1.6	1.6-2.1	140-235 (TS: 190-315)	36.9-62 (TS: 50.1-83.2)	2,330 - 2,570	5,137 - 5,666	45-95	58-117	300	4350	2 x 470 (TS: 2 x 630)
DH 3-23	26-45	57,000-94,000	14-30	31,000-66,100	1.6-2.1	2.2-2.8	140-235 (TS: 190-315)	36.9-62 (TS: 50.1-83.2)	2,870 - 3,170	6,327 - 6,989	60-120	78-156	300	4350	2 x 470 (TS: 2 x 630)
DH 4-12	22-45	48,500-94,000	10-30	22,100-66,100	1.2-1.6	1.6-2.1	140-235 (TS: 190-315)	36.9-62 (TS: 50.1-83.2)	2,240 - 2,430	4,938 - 5,357	35-75	45-97	300	4350	2 x 470 (TS: 2 x 630)
DH 4-17	27-45	59,500-94,000	14-30	31,000-66,100	1.8-2.4	2.4-3.2	140-235 (TS: 190-315)	36.9-62 (TS: 50.1-83.2)	2,730 - 3,050	6,019 - 6,724	70-140	90-182	300	4350	2 x 470 (TS: 2 x 630)
DH 4-23	32-45	70,600-94,000	16-30	35,300-66,100	2.4-3.3	3.2-4.3	190-315 (TS: 190-315)	50.1-83.2 (TS: 50.1-83.2)	3,370 - 3,770	7,430 - 8,311	85-190	110-247	300	4350	2 x 470 (TS: 2 x 630)
DH 4-27	36-45*	79,500-94,000	18-30	40,000-61,000	3.0-4.1	3.9-5.4	240-400 (TS: 240-400)	63.4-105.6 (TS: 63.4-105.6)	3,860 - 4,200	8,510 - 9,259	120-240	156-312	300	4350	2 x 470 (TS: 2 x 800)

* – Based on typical 1-2 min working cycle and heaped load capacity

DIMENSIONS



MODEL	DH 3-12	DH 3-17	DH 3-23	DH 4-12	DH 4-17	DH 4-23
A	1690	2230	2770	1690	2230	2770
B	1470	1470	1470	1710	1710	1710
C	1090	1625	2170	1090	1625	2170
D	765	765	765	1015	1015	1015
E	1560	1560	1560	1800	1800	1800
F	35	35	35	35	35	35

DRUMS & BLADES OPTIONS

TS drums with Screening Blades - sizes available: 8, 16, 25 and 35 mm

TS drums with Crushing Blades - sizes available: 8, 16, 25 and 35 mm

XHD 25, 40 and 60 drums for screening and crushing

X75 and X100 drums for stabilizing, mixing, aerating and crushing

ALLU VARIABLE DRUM

WHEEL LOADER: 6 - 30 ton

EXCAVATOR: 12 - 45 ton

The ALLU Variable Drum brings unmatched flexibility to material processing with its rapid blade change mechanism and two-bolt attachment system for effortless maintenance. Designed for DN-, DS-, and DH-Series, it allows quick adjustments to output size, increasing efficiency and reducing downtime - right when you need it.

VARIABLE DRUM

Designed for efficiency, offering up to 10% more output with a single-blade TS setup. Compatible with all drum options, ensuring maximum adaptability and improved material flow for faster, more productive work.

ALLU TRANSFORMER.

VARIABLE DRUM

ALLU VARIABLE DRUM.

Adaptable and precise - adjust screening performance on demand. Available with TS, XHD, and X for ultimate flexibility in any job.

INTERCHANGEABLE DRUM KITS | TWO-BOLT ATTACHMENT

Versatility made simple

Quick and easy changes of wear parts and output sizes.

Elevate your productivity

Up to 10% better efficiency with less effort.

Effortless maintenance

Simple maintenance with a quick lock system.

ALLU VD DRUM BLADE OPTIONS

TS drums with Screening Blades - sizes available: 8, 16, 25 and 35 mm

TS drums with Crushing Blades - sizes available: 8, 16, 25 and 35 mm

XHD 25, 40 and 60 drums for screening and crushing

X75 and X100 drums for stabilizing, mixing, aerating and crushing

SPECIFICATIONS

MODEL	EXCAVATOR		WHEEL LOADER		VOLUME		OIL FLOW		WEIGHT	
	t	lbs	t	lbs	m³	cu yd	l/min	gpm	kg	lbs
DN 2-12 VD	12-28	22,050-62,000	6-14	13,200-3,1000	0.5-0.7	0.7-0.9	95-160	25-42.2	1,070 - 1,210	2,359 - 2,668
DN 2-17 VD	15-28	33,000-62,000	7-14	15,400-31,000	0.8-1.0	1.0-1.3	95-160	25-42.2	1,330 - 1,510	2,932 - 3,329
DN 3-12 VD	16-28	35,300-62,000	7-14	15,400-31,000	0.8-1.0	1.0-1.3	120-200	31.7-52.8	1,330 - 1,530	2,932 - 3,373
DN 3-17 VD	20-28	44,100-62,000	7-14	15,400-31,000	1.2-1.5	1.5-2.0	120-200	31.7-52.8	1,730 - 1,930	3,814 - 4,255
DS 3-12 VD	16-35	35,300-77,000	8-22	17,600-48,500	0.8-1.0	1.1-1.4	120-200	31.7-52.8	1,570 - 1,720	3,461 - 3,792
DS 3-17 VD	20-35	44,100-77,000	10-22	22,100-48,500	1.2-1.6	1.6-2.1	120-200	31.7-52.8	1,920 - 2,170	4,233 - 4,784
DS 3-23 VD	24-35	53,000-77,000	12-22	26,500-48,500	1.6-2.1	2.1-2.8	140-235	36.9-62	2,350 - 2,730	5,181 - 6,019
DS 4-17 VD	24-35	53,000-77,000	12-22	26,500-48,500	1.8-2.4	2.4-3.1	140-235	36.9-62	2,240 - 2,590	4,938 - 5,710
DS 4-23 VD	30-35	66,100-77,000	14-22	31,000-48,500	2.4-3.3	3.1-4.2	190-315	50.1-83.2	2,980 - 3,440	6,570 - 7,584
DH 3-12 VD	18-45	39,700-94,000	8-30	17,600-66,100	0.9-1.1	1.1-1.4	190-315	50.1-83.2	1,890 - 2,080	4,167 - 4,586
DH 3-17 VD	22-45	48,500-94,000	10-30	22,100-66,100	1.2-1.6	1.6-2.1	190-315	50.1-83.2	2,330 - 2,570	5,137 - 5,666
DH 3-23 VD	26-45	57,000-94,000	14-30	31,000-66,100	1.6-2.1	2.2-2.8	190-315	50.1-83.2	2,870 - 3,170	6,327 - 6,989
DH 4-17 VD	27-45	59,500-94,000	14-30	31,000-66,100	1.8-2.4	2.4-3.2	190-315	50.1-83.2	2,730 - 3,050	6,019 - 6,724
DH 4-23 VD	32-45	70,600-94,000	16-30	35,300-66,100	2.4-3.3	3.2-4.3	190-315	50.1-83.2	3,370 - 3,770	7,430 - 8,311

ALLU M-SERIES

WHEEL LOADER: 35 - 70 ton

EXCAVATOR: 50 - 120 ton

The ALLU Transformer M-Series attachments excel in large-scale screening and material processing, featuring a specialized design for mining operations. These robust units mount on large excavators and loaders.

M-SERIES MODELS

The M-Series Screening Bucket delivers high efficiency and is designed for heavy-duty use. It handles large volumes of material with ease, making it ideal for demanding applications. A drain line is required, with a maximum pressure of 3 bar.

ALLU TRANSFORMER

M 3-25

ALLU M-SERIES

Built to handle tough materials efficiently, keeping operations smooth and cost-effective.

MAXIMIZES LOAD CAPACITY | HEAVY-DUTY PERFORMANCE

ALLU TRANSFORMER

M 3-32

ALLU M-SERIES

Designed for wheel loaders, delivering maximum capacity for large-scale material processing.

POWER FOR LOADERS | MINING-GRADE STRENGTH

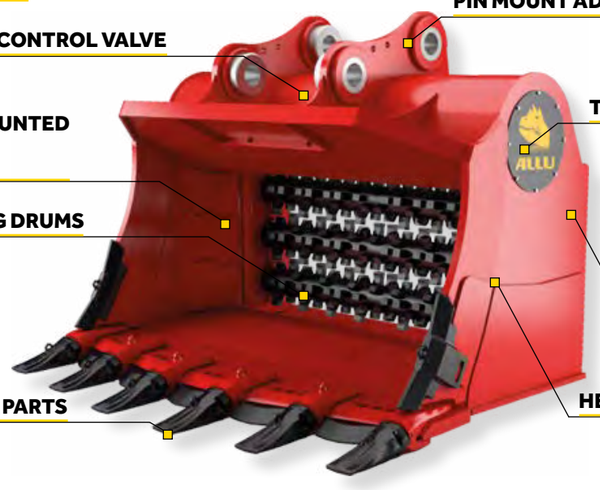
SPECIFICATIONS

MODEL	EXCAVATOR		WHEEL LOADER		VOLUME		OIL FLOW		WEIGHT	
	t	lbs	t	lbs	m³	cu yd	l/min	gpm	kg	lbs
M 3-20	50-70	110,000-154,000	-	-	3.86	5.02	300-440	79-116	6000-8000	15,000-17,600
M 3-25	70-120	154,000-264,000	-	-	5.00	6.50	300-440	79-116	8000-11000	17,600-24,500
M 3-26	50-70	110,000-154,000	35-50	77,000-110,000	5.00	6.50	300-440	79-116	6000-8000	15,000-17,600
M 3-32	-	-	50-70	110,000-154,000	5.50	7.15	300-440	79-116	10000-13500	22,000-30,000

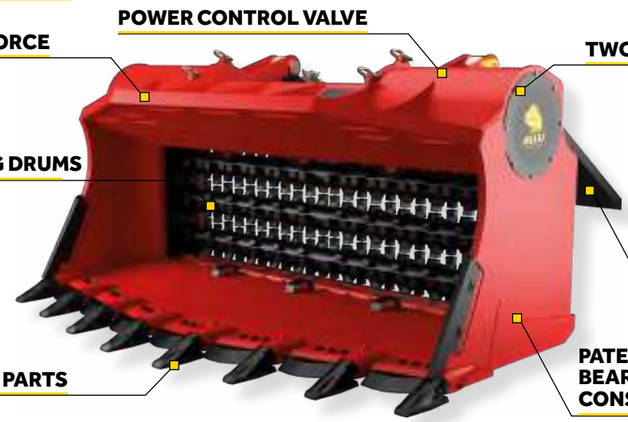
M-SERIES STRUCTURE

The ALLU M-Series Screening Bucket is the ultimate solution for heavy-duty operations in quarrying, mining, and large-scale construction. Designed for efficiency, it simplifies material processing, screening, and loading, reducing double handling and boosting productivity. Compatible with large excavators and wheel loaders, the M-Series is built to tackle the toughest tasks with ease.

FOR EXCAVATOR



FOR WHEEL LOADER



ALLU DARE DATA REPORTING

The ALLU Dare data reporting system maximises the profitability and efficiency in the M Series.

The ALLU Transformer M Series comes with the Dare (Data Reporting) system that is placed inside the base machine cabin. The system records performance and process data for analysing and optimising working efficiency. As a further feature the Dare system assists the operator with a real-time link to the service station, minimising maintenance downtime.

It also reports on the following:

- HYDRAULICS
- PERFORMANCE
- PARTS TEMPERATURE
- BUCKET ANGLE
- TIME ELAPSED

Production data from the display unit:

- Bucket count
- Processing time & total working time
- Processed tons

Perfect for mining and quarrying, the M-Series excels in screening, crushing, and mixing. Compatible with large excavators and wheel loaders, the M-Series is built to tackle the toughest tasks with ease. It reduces reliance on additional equipment, saving time and resources.

On-site processing with the M-Series lowers emissions and operational costs. Fewer transports and less manual labor mean greater efficiency and savings.

ALLU SCREENER

EXCAVATOR: 20 - 35 ton

The ALLU Screening Bucket delivers extra fine fragments down to 1/4 (6 mm) with high-frequency vibrations reaching 800 rpm for precise material separation. Designed exclusively for excavators, it features an exchangeable wear-resistant mesh, ensuring efficient pure screening without crushing.

SCREENER MODELS

With its high-frequency vibration system and durable, wear-resistant mesh, the ALLU Screening Bucket achieves precise material separation without clogging, even in challenging conditions. For Screener models, the drain line is required, with a maximum pressure of 3 bar.

ALLU TRANSFORMER.

DV 4-12

ALLU SCREENER.

The Screener ensures ultra fine fragments, high-frequency vibration, and adjustable mesh.

THE FINEST FRAGMENTS | **BUILT FOR LONG HOURS**

Extra Fine Fragments

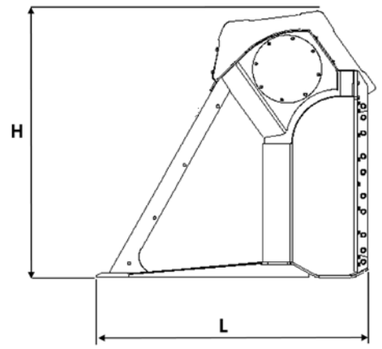
The ALLU Screener achieves ultra-fine material separation, producing fragments as small as **6 mm (1/4)** for precise screening.

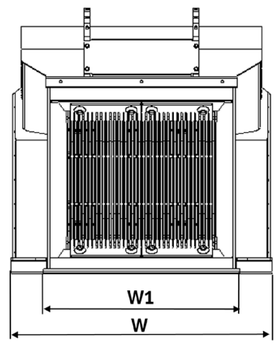
High-Efficiency Vibration

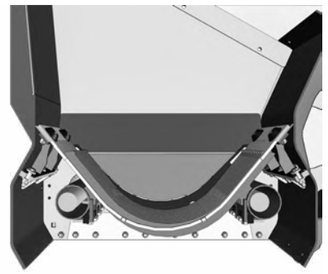
With high-frequency vibrations reaching up to **800 rpm**, the bucket ensures accurate and consistent screening.

Exchangeable Mesh

It processes soil, sand, and gravel without crushing, with the exchangeable mesh offering fragment sizes of **6 mm (1/4), 8 mm, 10 mm (3/8), and 12 mm (1/2).**







MODEL	H (MM)		L (MM)		W (MM)		W1 (MM)	
	mm	in	mm	in	mm	in	mm	in
DV 4-12	1670	66	1670	66	1630	64	1230	48

SPECIFICATIONS

MODEL	EXCAVATOR		MAX. PRESSURE		VOLUME		OIL FLOW		WEIGHT	
	t	lbs	bar	psi	m³	cu yd	l/min	gpm	kg	lbs
DV 4-12	20-35	44,000-77,000	300	4300	1.56	2.04	100-120	26-32	1,600	3,500

ALLU VELOCI

WHEEL LOADER: 2 - 10 ton

EXCAVATOR: 2 - 20 ton

The ALLU Veloci screening bucket is an attachment designed for compact size excavators, loaders, telehandlers, tractors and skid steers. It is used for topsoil and aggregate material screening, compost recycling, aeration projects, demolition waste recycling, and pipeline and cable padding.

Screen, sort, separate, mix and blend materials in one process cycle. Reuse most of the materials on-site and reduce the need for replacement materials and transportation.

With its efficient screening system and durable, wear-resistant construction, the ALLU Veloci Screening Bucket ensures precise material separation while minimizing fuel consumption. Available in **models VS 3-05, VS 3-09, VS 3-13, VS 4-13, and VS 5-15.** For Veloci models, the drain line is not needed.

ALLU TRANSFORMER. ALLU VELOCI

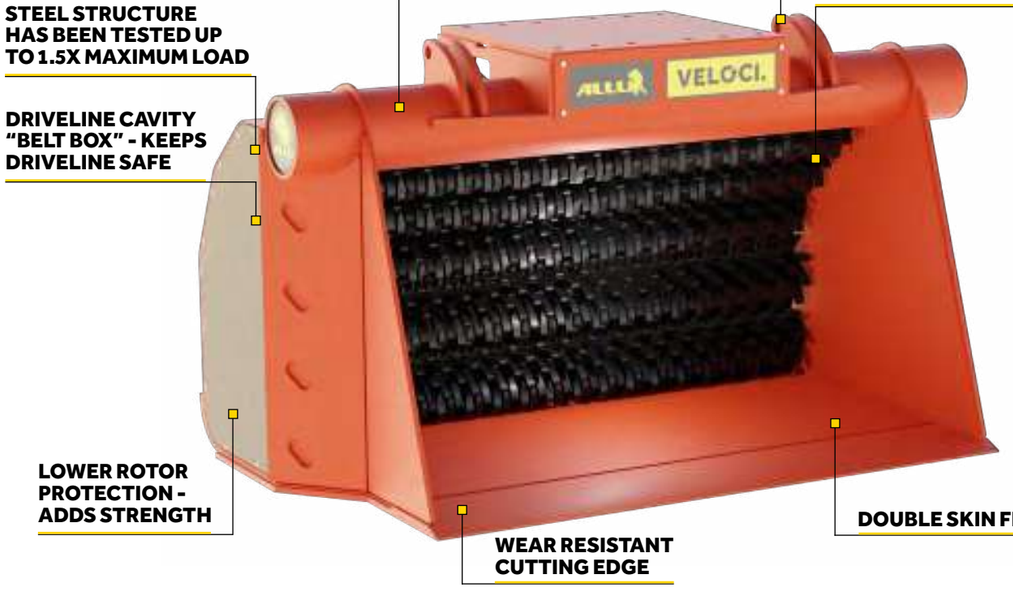
VS 3-05

Compact, powerful, fast - designed for mini-excavators to screen and crush efficiently.

ALLU TRANSFORMER. ALLU VELOCI

VS 5-15

Bigger, faster, stronger - built for large-scale material processing with ease.



SPECIFICATIONS

MODEL	EXCAVATOR		WHEEL LOADER		SKIDSTEER		TELEHANDLER		PRESSURE		VOLUME		OIL FLOW		WEIGHT	
	t	lbs	t	lbs	t	lbs	t	lbs	bar	psi	m³	cu yd	l/min	gpm	kg	lbs
VS 3-05	2-4	4,000-9,000	-	-	-	-	-	-	200	2900	0.12	0.16	55	15	203	448
VS 3-09	4-6	9,000-13,000	-	-	-	-	-	-	200	2900	0.22	0.29	65	17	380	838
VS 3-13	6-9	13,000-20,000	2-5	4,000-11,000	2,5-7	6,000-15,000	5-7	11,000-15,000	200	2900	0.31	0.41	70	18	566	1,248
VS 4-13	10-14	22,000-31,000	6-8	13,000-18,000	-	-	7-10	15,000-22,000	200	2900	0.45	0.59	90	24	776	1,711
VS 5-15	14-20	31,000-44,000	9-10	20,000-22,000	-	-	10-15	22,000-33,000	200	2900	1.1	1.4	150	40	1022	2,254

ALLU CRUSHER

SKID-STEER LOADER: 4 - 6 ton

EXCAVATOR: 8 - 38 ton

The ALLU Crusher is a hydraulic attachment used with excavators, backhoes, loaders and skidsteers. It is designed to crush and reduce the size of various materials, such as demolition debris, concrete, rock, natural stones, and asphalt.

The crusher bucket functions as a jaw crusher or a primary crushing tool, allowing the base machine to process and recycle materials on-site. This eliminates the need for transporting materials to external processing facilities, saving transportation costs, time, and resources.

The ALLU Crusher crushes materials on-site, with models **AC 5-17FD, AC 8-15, AC 10-16, AC 20-22, AC 25-37, and AC 30-47.** Its adjustable pin system allows quick fragment size changes, while the bidirectional jaw prevents jamming. A drain line is required (max. 20 bar).

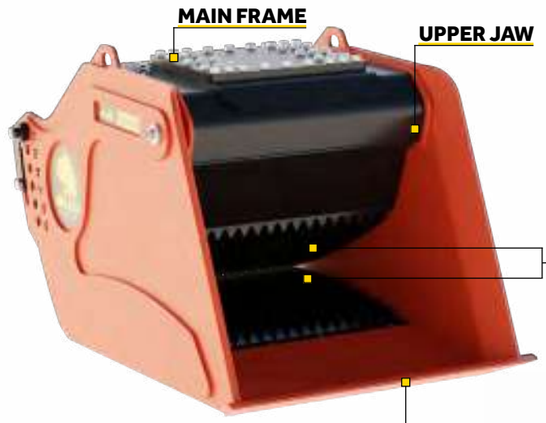
TRANSFORMER. CRUSHER

AC 5-17

Compact and powerful - turn your skid steer into a crushing machine for material processing.

TRANSFORMER. CRUSHER

AC 20-22



SPECIFICATIONS

MODEL	EXCAVATOR		MAX. PRESSURE		VOLUME		OIL FLOW		WEIGHT		OUTPUT SIZE REGULATION	
	t	lbs	bar	psi	m^3	cu yd	l/min	gpm	kg	lbs	mm	inches
AC 5-17 FD skidsteers only	4-6	9,000-13,000	240	3480	0.4	0.52	90	24	1,750	3,860	0-75	0-3
AC 8-15	8-11	18,000-24,000	250	3630	0.35	0.46	80	21	1,400	3,090	0-16 to 0-200	0-0.63 to 0-7.9
AC 10-16	10-14	22,000-31,000	250	3630	0.35	0.46	95	25	1,835	4,050	0-16 to 0-200	0-0.63 to 0-7.9
AC 20-22	15-22	33,000-49,000	250	3630	0.5	0.65	160	42	2,560	5,640	0-16 to 0-200	0-0.63 to 0-7.9
AC 25-37	23-35	51,000-77,000	250	3630	1	1.3	180	48	4,000	8,820	0-16 to 0-250	0-0.63 to 0-9.8
AC 30-47	28-38	62,000-84,000	250	3630	1.2	1.6	200	53	5,540	12,210	0-16 to 0-250	0-0.63 to 0-9.8

ALLU RAPTOR

EXCAVATOR: 18 - 55 ton

ALLU Raptor is a hydraulic attachment for excavators, available in four different size classes. This powerful hydraulic ripper is sure to change the way you work and opens new possibilities for various excavation and permafrost handling tasks.

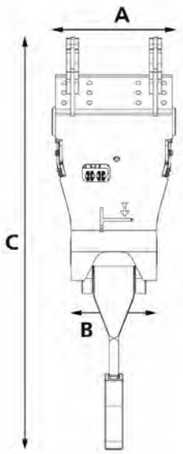
The powerful, durable, and practical design of the ripper makes it a reliable and essential tool for demanding and hard soil ripping and opening tasks, such as excavating trenches for pipes, where high productivity is required.

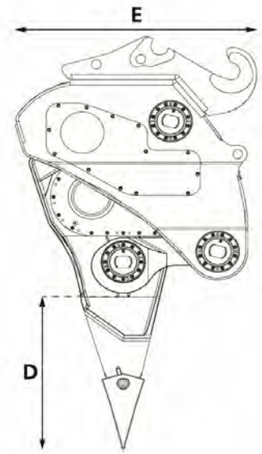
The ALLU Raptor is a powerful and durable tool for efficient material processing, designed for extreme conditions. Available in models **Raptor 18-25, Raptor 24-37, Raptor 32-42, and Raptor 40-49**, it delivers high-frequency operation and optimal hydraulic performance for demanding applications. For Raptor models, the drain line is required, with a maximum pressure of 4 bar.

ALLU RAPTOR

AR 18

ALLU Raptor: Offers powerful compaction, high torque, and a self-locking hydraulic drive.





DIMENSIONS

MODEL	AR 18-25	AR 24-37	AR 32-42	AR 40-49
A	830mm 32.7”	775mm 30.5”	860mm 33.9”	960mm 37.8”
B	780mm 30.7”	635mm 25”	630mm 24.8”	630mm 24.8”
C	2243mm 88.3”	2715mm 106.9”	2865mm 112.8”	3000mm 118.1”
D	1000mm 39.4”	1160mm 45.7”	1215mm 47.8”	1315mm 51.8”
E	1600mm 63”	1660mm 65.4”	1715mm 67.5”	1830mm 72”

SPECIFICATIONS

MODEL	EXCAVATOR		MAX. PRESSURE		FREQUENCY	OIL FLOW		WEIGHT	
	t	lbs	MPa	psi	l/min	l/min	gpm	kg	lbs
AR 18-25	18-23	40,000-51,000	16	2321	900	160	42	2,500	5,512
AR 24-37	24-32	53,000-71,000	24	3481	1100	190	50	3,700	8,157
AR 32-42	32-40	71,000-88,000	24	3481	1100	210	55	4,200	9,259
AR 40-49	40-55	88,000-121,000	28	4061	1100	270	71	4,900	10,803

ALLU COMPACTOR

EXCAVATOR: 1.5 - 60 ton

ALLU Compactor is a range of attachments designed for compacting and compressing different types of soil and materials. They are used with excavators in various applications such as road construction, pipeline projects, and general compaction tasks. Developed and manufactured by pros for pros, the sturdiness, durability, and practicality of ALLU compactors is unmatched.

The ALLU Compactor features a vibrating plate that utilises both the excavator's static force and the vibration of the plate. This enhances the compacting of the soil, increasing its density and stability, making it suitable for various construction purposes.

JUST ONE CENTRAL HYDRAULIC BLOCK, FITTED WITH ITS OWN PROTECTION, WITH ADJUSTABLE OIL FLOW FOR DIFFERENT FREQUENCIES

MECHANICAL OR HYDRAULIC QUICK COUPLER, DEPENDING ON CUSTOMER REQUIREMENTS

SELF-LOCKING HYDRAULIC SLEWING DRIVE WITH WORM GEAR

- **HIGH TORQUE**
- **UP TO 12,900 NM RETENTION FORCE**
- **ECCENTRIC LAYOUT FOR**
- **WORKING INSIDE TRENCH LININGS**
- **LOW INSTALLATION HEIGHT**

SOLID STEEL CONSTRUCTION

VERTICALLY ARRANGED VIBRATING ELEMENTS, UV PROTECTED, THEREFORE SIGNIFICANTLY LONGER LIFE-CYCLE

SOLID SINGLE-PIECE BASE PLATE

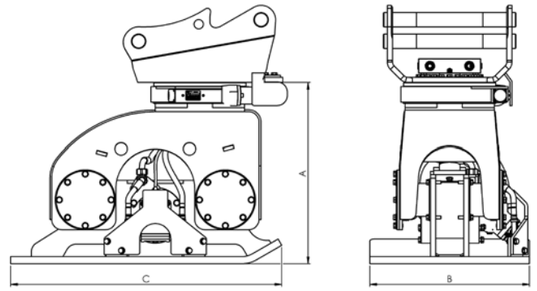
LARGE OIL CONTAINER TO ENSURE OPTIMUM COOLING AND LUBRICATION OF MOVING COMPONENTS

FORK LIFT LUGS FOR EASIER HANDLING

HIGH-QUALITY OIL ENGINE WITH OPTIMISED DRAIN LAYOUT & ROBUST ENGINE PROTECTION

DIMENSIONS & SPECIFICATIONS

DIMENSIONS	HD 200	HD 250	HD 500	HD 800	HD 1200	HD 2000
	mm	mm	mm	mm	mm	mm
A	755	560	645	785	875	990
B	280	380	510	660	770	1,100
C	750	740	865	1,100	1,320	1,550



MODEL	EXCAVATOR	PRESSURE	OVERALL HEIGHT	OIL FLOW	WEIGHT	FREQUENCY	IMPACT FORCE	SLEW DRIVE RETENTION
	t	bar	mm	l/min	kg	Hz	kN	Nm
HD 200	5-60	210	931	60	300	28 - 60	0.08 - 0.35	-
HD 250	1.5-6	160	710	30	240	28 - 60	0.058 - 0.26	3,300
HD 500	5-10	210	900	60	470	28 - 60	0.1 - 0.44	3,300
HD 800	7-20	210	1,104	90	780	28 - 60	0.2 - 0.83	9,300
HD 1200	15-30	210	1,266	150	1,170	28 - 60	0.35 - 1.5	12,900
HD 2000	20-60	210	1,400	210	1,800	28 - 50	1-3	12,900

ALLU SOIL IMPROVEMENT

ALLU provides solutions for soil improvement through its range of soil stabilization products. These products are designed to enhance the quality and characteristics of different types of soils, making them more suitable for construction and infrastructure projects.

ALLU soil stabilization products are capable of effectively stabilizing various soil types, including clay, silt, peat, and others. They can handle different soil conditions and adapt to specific project requirements. The products are designed for efficient mixing and full control over the binder feed. They ensure thorough and even distribution of additives throughout the soil, promoting consistent stabilization and a homogeneous result.

PF 7 + 7 MOBILE PRESSURE FEEDER FOR DRY BINDERS

The **ALLU PF 7+7 NextGen** is a 140 kW self-contained mobile pressure feeder suitable for feeding binders and working together with different types of soil mixers as well as deep dry mixing (DDM) machines. The track-driven feeder is completely road-legal and easy to transport on a low-bed trailer, making it extremely mobile. Fast setup on the job site results in less downtime, and the large air capacity improves productivity.

ALLU PF 7+7 NEXT GEN.

PF 7+7

A high-pressure, smart feeder ensuring precise and efficient dry binder distribution for soil mixing projects.

PRECISION DRY MIXING **CONTROLLED BINDER DOSAGE**

FEATURES

REMOTE CONTROLLED

For safe and easy loading and unloading

HIGH-CAPACITY BINDER FEED

WIRELESS CONNECTION

Between the feeder and the excavator

MAXIMUM FEED DEPTH

up to 30 m (98 ft.)

EASY FEED DATA ACCESS

And transfer to an external control system

MAXIMUM FEED DISTANCE

Up to 200 m (656 ft.)

ADJUSTABLE FEED RATE

CAN BUS CONTROL SYSTEM

AUTOMATIC REPORTING

SPECIFICATIONS

DIMENSIONS	PF 7 + 7 DOUBLE TANK UNIT
WEIGHT (1. EMPTY - 2. FULL)	1.) 22,000 kg (48,500 lbs.) 2.) 38,500 kg (84,878 lbs.)
TANK VOLUME	2 × 7 m³ (2 × 9.15 yd³)
MAX. OPERATIONAL PRESSURE	10 bar (145 psi)
GROUND PRESSURE (1. FULL 800 MM TRACK SHOE - 2. FULL 500 MM TRACK SHOE)	1.) 0.68 kg/cm² 2.) 1.02 kg/cm²
ADJUSTABLE BINDER FEED CAPACITY	3 - 10 kg/sec. (6.6 - 22 lbs.)
BINDER GRANULATE SPECIFICATION	0 - 2 mm (0 - 0.78 inch)
MAX. FEED DISTANCE (1. 3-INCH HOSE - 2. 2-INCH HOSE)	1.) 200 m (218 yd.) 2.) 100 m (109 yd.)
FEED CONTROL & REPORTING SYSTEM	ALLU DAC.2.1
HYDRAULICS	Hydraulically operated compressor, rotary valve, and process valves
DIMENSIONS (L × W × H)	6870 × 3400 × 3300 mm (22.53 × 11.15 × 10.82 ft.)

A COMPLETE SYSTEM FOR DRY SOIL MIXING

Managing binder costs is one of the biggest challenges in soil improvement projects. ALLU's Soil Improvement System ensures precise binder control and efficient material mixing, delivering high-quality results while cutting unnecessary costs. Designed for versatile soil stabilization and mixing, this system consists of three powerful elements that work together seamlessly.

ALLU PF 7+7 NEXTGEN 10 BAR FEEDER

An intelligent high-pressure feeder with exceptional air capacity - ensuring even and efficient dry binder distribution for the best mixing performance.

ALLU PROCESSOR HD MIXER

A powerful excavator-mounted mixer, hydraulically driven for deep and thorough material blending.

ALLU DAC.2.1 CONTROL SYSTEM

The brain of the operation - this advanced system controls binder feed and pressure with precision while generating real-time data and reports to ensure every job meets the highest standards.

The ALLU Soil Improvement System is designed for a wide range of challenging soil conditions, especially in projects with high moisture content. It's the perfect solution for:

FOUNDATION work – roads, railway, residential areas, parking lots, harbor construction, sea wall, piers etc.

SOLIDIFICATION work – dredged material, waste soil, liquid material, excavations, pipeline and cable trenches.

REMEDIATION work – sludge ponds, ash ponds, contaminated sediment, contaminated soil.

From dredged sediment and sludge to ash ponds and mine tailings, ALLU turns weak and waste material into usable material and stable ground - making projects more efficient, costeffective, and environmentally friendly.

ALLU SOIL IMPROVEMENT

ALLU PROCESSOR.
IT REACHES. IT MIXES. IT PROCESSES DRY OR WET.

The ALLU Processor is a hydraulic attachment for excavators, transforming them into powerful and versatile mixing tools. It penetrates and mixes various difficult materials, from clay, silt, peat, and dredged sediments to hazardous liquid waste and contaminated soil.

The ALLU Processor mixer is compatible with any type of binder feed – wet or dry.

THE ALLU PROCESSOR CONVERTS THE CARRIER EXCAVATOR INTO AN EFFICIENT SOIL MIXING UNIT

Powered by the excavator auxiliary hydraulic system, and benefiting from its reach, the Processor can mix materials up to a depth of 8m / 26 ft. Two different base mixers are available **the 3m / 10ft Processor 300HD, and the 5m / 16ft Processor 500HD**. These base mixers can be equipped with either 2m / 6,5ft or 3m / 10ft extensions for greater depth.

FEATURES. PATENTED V-SHAPED MIXING HEAD:

MINIMAL "BLIND SPOT" BETWEEN THE AUGER-SHAPED MIXING DRUMS

CHANGEABLE WEAR PARTS

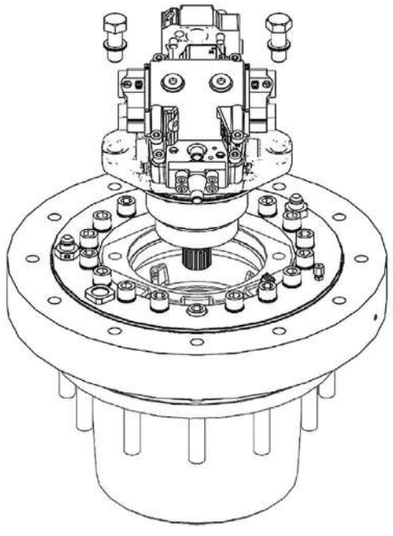
INCREASES MIXING CAPABILITY

INCREASES SOIL PENETRATION CAPABILITY

SPECIFICATIONS.

MODEL	BASE MACHINE		MAX. PRESSURE		WORKING DEPTH		MAX. FLOW		TORQUE		WEIGHT		MAX. POWER
	t	lbs	bar	psi	l/min	ft	l/min	gallon	Nm	bar	kg	lbs	kW
ALLU PROCESSOR 300HD	25 - 35	55,000 - 99,000	350	5000	3	10	300	79	Max. 12,000	at 350	2,400	5,300	160
ALLU PROCESSOR 500HD	35 - 45	55,000 - 99,000	350	5000	5	16	300	79	Max. 12,000	at 350	2,800	6,000	160

POWERFUL PLANETARY DRIVE



HIGH-SPEED HYDRAULIC MOTOR

DISPLACEMENT: 80 CM³

3125 RPM @ 250 L/MIN

3750 RPM @ 300 L/MIN

PLANETARY GEAR

GEAR RATIO: 1:31.8

NOMINAL TORQUE: 18,000 NM / DRUM

THEORETICAL MAX TORQUE: 25,000 NM / DRUM

MIXING DRUM SPEED: MIN 25 RPM – MAX 100 RPM

ACCESSORIES AND OPTIONS

The maximum mixing depth can be increased by adding an extension to the Processor attachment. The available extensions are easily installed or removed by "plug and play".

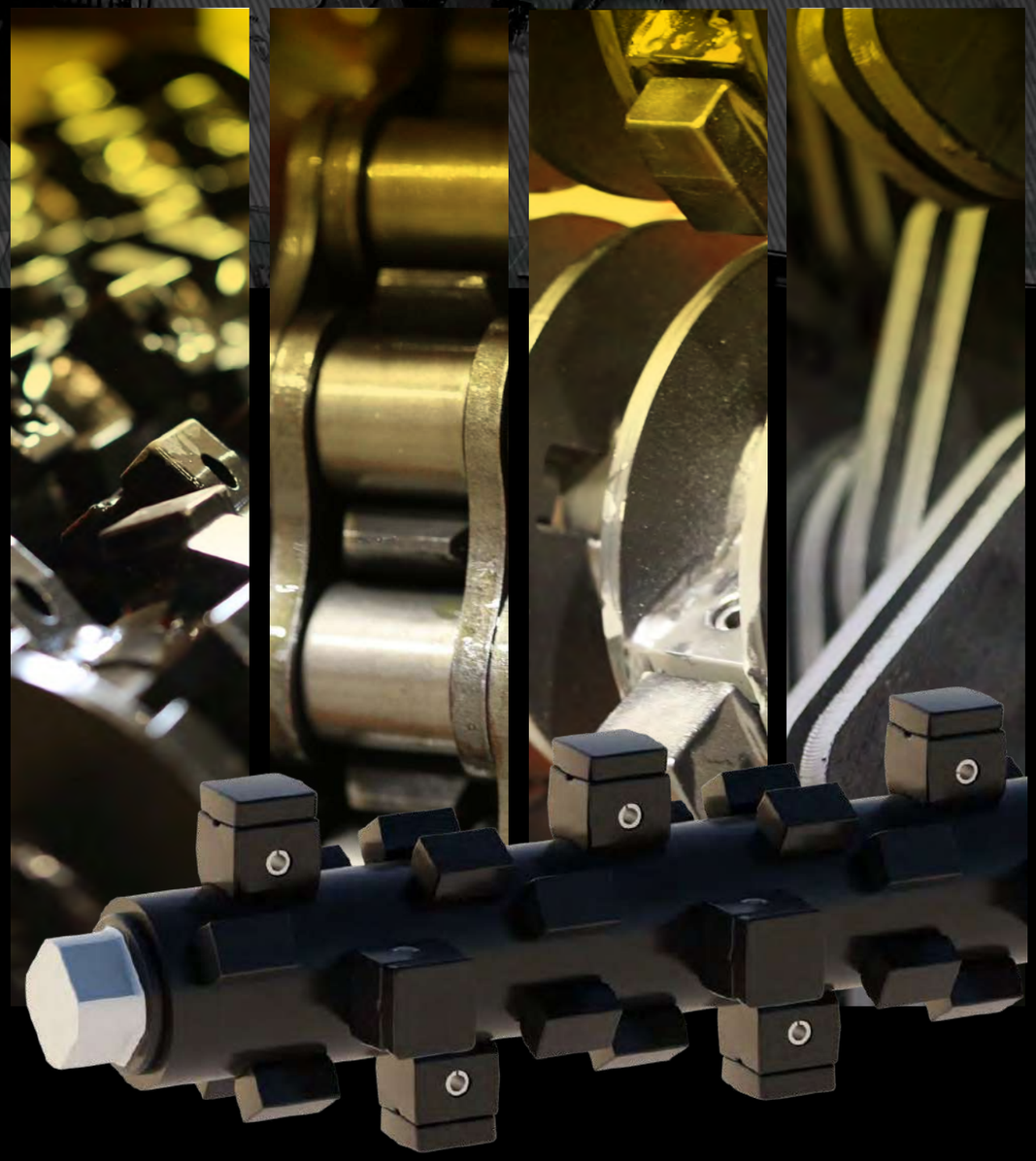
PROCESSOR EXTENSIONS

MODEL	WEIGHT		LENGTH		MAX. MIXING DEPTH 300HD + EXTENSION		MAX. MIXING DEPTH 500 HD + EXTENSION	
	kg	lbs	m	ft	m	ft	m	ft
2 m EXTENSION	770	1 700	2	7	5	16	7	22
3 m EXTENSION	950	2 100	3	9	6	19	8	26

OPTIONAL BOLT ON EXTENSIONS

1. **PROCESSOR 300 HD – 3 M (10 FT)**
2. **PROCESSOR 500 HD – 5 M (16 FT)**
3. **EXTENSION 2 M (6,5 FT)**
4. **EXTENSION 3 M (10 FT)**

ALLU SUPPORT



ALLU Support is dedicated to ensuring that your customer's equipment operates at its best. From spare part sales that minimize downtime to robust warranty options that protect their investments, we've got everything covered. ALLU Support offers specialized training programs designed to enhance your team's operational skills and ensure safe equipment usage.

Our expert technical support is always on hand to assist with any queries or challenges, providing you with the necessary guidance and advice. In addition, our professional service and commissioning team works diligently to ensure ALLU products are set up for optimal performance right from the start. For ongoing support, our detailed technical documentation provides all the information you need to maintain and maximize the efficiency of your equipment.

SPARE PARTS & SERVICES

ALLU Support provides genuine spare parts globally, excellent availability of parts with fast delivery time to secure maximum productivity. Our technical training and support functions ensure that the downtime of any ALLU product stays minimal.

1 GENUINE SPARE PARTS

Get quick and reliable access to the spare parts you need. We ensure that you receive the correct parts promptly, thereby reducing downtime and maintaining the peak performance of your customer's ALLU equipment.

2 STANDARD & EXTENDED WARRANTY

Benefit from our warranty options that provide comprehensive coverage and peace of mind. Our standard warranty is one year, and for some models you can buy an additional one year warranty.

3 TECHNICAL TRAINING

Enhance your team's skills with our expert training, specifically tailored to ensure safe and effective use of the ALLU products. Our training sessions are led by experienced professionals who provide hands-on learning and real-world applications to maximize the utility and efficiency of the equipment.

4 TECHNICAL SUPPORT & COMMISSIONING

Reach out to our responsive technical support team for any inquiries or issues. We're equipped to assist you with in-depth expertise and practical advice, helping you troubleshoot and resolve challenges quickly. Our support can be extended to on-site assistance to ensure continuous operation. We also do, and help in installations and commissioning work.

5 TECHNICAL DOCUMENTATION

Access our detailed manuals and documentation that provide essential information to support the maintenance and operational excellence of the ALLU products. These resources are carefully prepared to give you comprehensive insights into equipment features, maintenance schedules, and troubleshooting procedures.

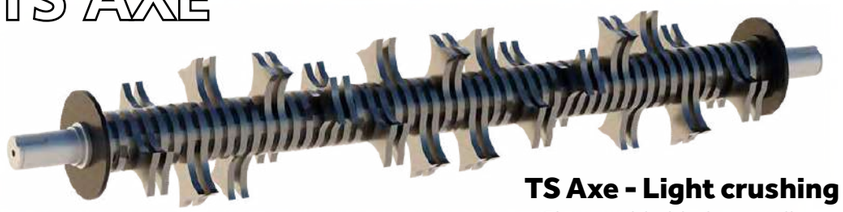
SPARE PARTS
DRUMS & BLADES

Get genuine spare parts for ALLU products. Our global support team will assist you in ordering the correct spare parts for your customer, and provide you with technical help in installing them. The most common spare parts you will need are the drums and blades for screening buckets.

TS

TS Standard - Screening
- Changeable blades on all sizes
- Four sizes of blades 8, 16, 25, 35 mm
- Wear-resistant steel
- All blades can be doubled to change fragment size

TS AXE



TS Axe - Light crushing & shredding
- Changeable blades on all sizes
- Four sizes of blades 8, 16, 25, 35 mm
- Wear-resistant steel
- All blades can be doubled to change fragment size

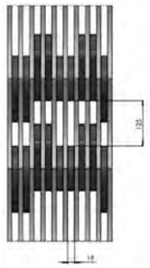
TS Standard blade
For screening applications
Sizes: 8, 16, 25, 35 mm

TS Axe blade
For light crushing and shredding applications
Sizes: 8, 16, 25, 35 mm

TS Combi Blade
For screening and crushing applications
Sizes: 8, 16, 25 mm
Only for DL-Series

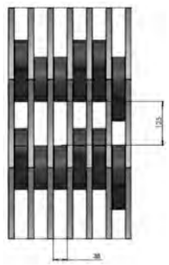
TS08

TS16



TS25

TS35



X

X - Crushing and aerating
- Changeable blades on X75 and X100
- One size of blades
- High-durability blades
- High processing capacity
- X50 only for DL-Series with welded blades

X blade - one size
For crushing and aerating applications
X75 / X100

X50

X75

X100

* X produces typically c.a. 65% below nominal size (e.g. X75 → 65% <75mm)

XHD

XHD - Screening, mixing and crushing
- Changeable blades on all sizes
- Two sizes of blades 40 and 60 mm
- Universal blades and long blades
- High-durability blades
- Disc distance 25, 40 or 60 mm

Universal blade 40 mm
For most applications

XHD25 / XHD40

Universal blade 60 mm
For most applications

XHD60

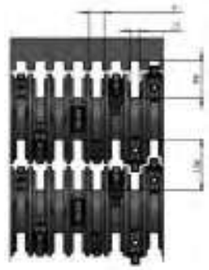
Long blade 40 mm
Screening & mixing soft materials to increase capacity

XHD40

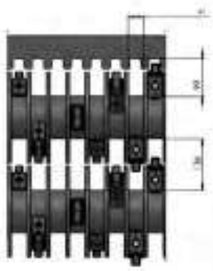
Long blade 60 mm
Screening & mixing soft materials to increase capacity

XHD60

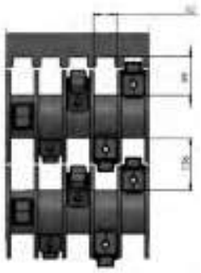
XHD25



XHD40



XHD60



In 3 or 4 drum models, XHD long blades are always in the middle drum(s). XHD long blades are not suitable for 25mm drums.

* XHD and TS produce typically c.a. 90% below nominal size (e.g. XHD40 → 90% < 40mm)

SUPPORT

BLADE QUANTITY

When it comes to servicing your customers' ALLU Screening Buckets, one of the things to know is how many replacement blades you need to order to change the wear parts. Our ALLU Support team is always ready to help you if you require any assistance in any technical issues and maintenance tasks.

DL-SERIES & D-SERIES

	DL TS08	DL TS16	DL TS25	DL X50	XHD 25	XHD 40	XHD 60	TS 08 (TS 16)*	TS 16 (TS 32)*	TS 25 (TS 50)*	TS 35 (TS 70)*	X75	X100
DL 2-09	106	70	50	32									
DL 2-12	150	98	70	48									
DL 2-17	206	134	98	68									
DN 2-09					28	28	20					20	20
DN 2-12					40	40	28	102	72	56	40	28	28
DN 2-17					60	60	44	150	108	84	60	42	42
DN 3-09					42	42	30					30	30
DN 3-12					60	60	42	153	108	84	60	42	42
DN 3-17					90	90	66	225	162	126	90	66	66
DS 3-12					60	60	42	153	108	84	60	42	42
DS 3-17					90	90	66	225	162	126	90	66	66
DS 3-23					126	126	90	300	216	162	120	90	90
DS 4-12					80	80	56	204	144	112	80	56	56
DS 4-17					120	120	88	300	216	168	120	88	88
DS 4-23					168	168	120	400	288	216	160	120	120
DH 3-12					60	60	42	153	108	84	60	42	42
DH 3-17					90	90	66	225	162	126	90	66	66
DH 3-23					126	126	90	300	216	162	120	90	90
DH 4-12					80	80	56	204	144	112	80	56	56
DH 4-17					120	120	88	300	216	168	120	88	88
DH 4-23					168	168	120	400	288	216	160	120	120
DH 4-27					208	208	144					152	152

*TS doubled 8/16, 16/32, 25/50 and 35/70

M-SERIES

	TS50	BX75/ BX100
M 3-20	72	78
M 3-26	93	102
M 3-25	93	102
M 3-32	123	138

ACCESSORIES & EXTRAS

Take the ALLU Screening Bucket to the next level with our selection of optional extras. Secure the equipment and monitor its use anywhere with an advanced GPS Tracker, expand the bucket's volume with an extra side or add a DLE to eliminate the need for a drain line.

SUPPORT

ALLU TRACKER

Keep your equipment safe and monitor their use with the ALLU data tracker.

- Easily mounted data tracking devices in an IP69k design.
- Monitor running hours based on motion.
- Worldwide GSM network coverage with LTE and 2G fallback.
- Devices can be located with built-in GPS
- Manage online from anywhere

ALLU Tracker has a long battery life of up to 5 years. Due to its small size (68 x 68 x 25 mm) and easy mounting with magnet, it doesn't interfere with the structural integrity of the ALLU products.

EXTRA SIDE

Extra sides increases the volume of the screening bucket up to 40% and acts as an extra shield against materials that sometimes may jump out while operating.

DRAIN LINE ELIMINATOR (DLE)

If a drain line cannot be used, an elimination system for the drain line can be obtained for the screening buckets as an accessory. The new DLEs don't have a relief valve and breather assembly. This means, there no risk of oil spill to the environment from the eliminator.

A separate drain line should, however, be used whenever possible.

DRAIN RELIEF VALVE

A safety valve, or drain line relief valve, is available as an accessory for the Transformer to protect the hydraulic motor from high back pressure in the drain line.

FAQ & TUTORIALS

Here's a collection of frequently asked questions and links to how-to videos designed to enhance your understanding and use of ALLU products. Dive into our FAQs to answer your queries quickly, ensuring your projects continue smoothly with minimal downtime.

WHEN DO I NEED TO CHANGE THE BLADES?

Depending on the material and the operating hours, the blades on ALLU Screening Buckets need to be replaced to maintain the quality of the work. A good rule of thumb is that when you're not happy with the end result – it's time to check the blades. Lowered processing capacity or changes in the fragment size are usually caused by wear.

The wear on TS-blades can be seen as a shortening of the blade. X- and XHD-blades start to lose their angular shape and become rounded on the edges.

DO I NEED ANY SPECIAL TOOLS WHEN CHANGING DRUMS AND BLADES?

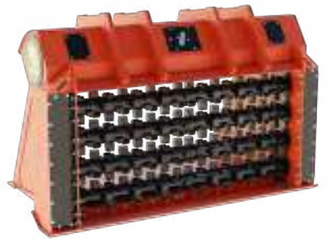
Special tools are required to safely change the drums and blades on a screening bucket. You need an extractor tool for the blades, a bearing unit tool, and a manual cotter press, which are all delivered with the bucket. Impact drill compatible cotter press is available as an accessory (SDS Max head).

We can also provide you with tools for lifting drums safely and to make TS blade installation easier. Always secure the drums to an appropriate hoisting device when moving them to prevent them from falling.

WHAT CAN I CRUSH WITH THE ALLU SCREENING BUCKET?

There is an easy way to check this – If you can break or crush the material with a regular household hammer, you can crush it with ALLU. Materials like limestone, leca blocks, hardened concrete sludge, and other brittle materials are suitable to crush with a screening bucket.

For crushing hard materials we recommend using the ALLU Crusher.



HOW LONG IS THE WARRANTY PERIOD?

The standard warranty period for ALLU products is 12 months / 1000 carrier hours. An extended two-year warranty is available as an option for DL- & D-Series.

Spare parts have a 6-month warranty period from the date of installation.

WHAT KIND OF BASE PLATES AND ADAPTERS ARE AVAILABLE FROM ALLU?

ALLU has a variety of base plates available where you can either bolt or weld adapter ears. We can also offer different adapters and quick couplers for excavators, wheel loaders and skid steers. Please contact our ALLU Support team to find the best solution for your needs.


D-Series (-12,-17) for excavator


D-Series (-23) for excavator


D-Series (-23) for wheel loader

DO I NEED A DRAIN LINE IN MY MACHINE?

In D-series buckets drain line is required to protect the hydraulic motor. Drain Line Eliminator™ (DLE) is available as an option to tackle the issue when base machine doesn't have drain line.

WHAT ARE THE HYDRAULIC REQUIREMENTS?

In general, all ALLU buckets require two-way hydraulics (shear circuit) to function as designed.

D-Series:
- Two-way hydraulics & drain line back to tank
- Max. pressure 300 bar, flow 70-400 lpm

DL-Series:
- Two-way hydraulics, no need for a drain line
- Max. pressure 200 bar, flow 60-90 lpm

DC-Series:
- Two-way hydraulics, no need for a drain line
- Max. pressure 200 bar, flow 15-40 lpm

SUPPORT

VIDEOS & TUTORIALS

CORRECT USE OF ALLU SCREENING BUCKET

In order to achieve the best results and ensure the longevity of your ALLU Screening Bucket, it is essential to use the equipment correctly.

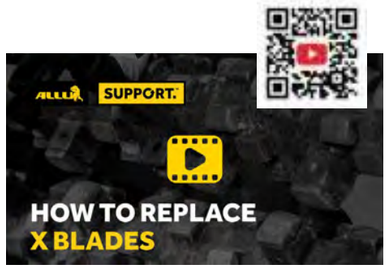
Watch the video to learn how to screen and crush effectively, how to properly fill the bucket, the optimal working angle, and what practices to avoid with the bucket.

HOW TO REMOVE A DRUM ON D-SERIES?

The animated video shows how to correctly remove a drum from the ALLU D-Series Screening Bucket. Follow the step-by-step guide and remove the drums safely.

CHANGING THE FRAGMENT SIZE ON TS DRUMS

The ALLU TS design enables two different fragment sizes within the same unit. The fragment size is based on the screening comb spacing. There's no need to remove the drums to change the fragment size. It is a quick and easy way to switch from one screen application to the next. Available blade sizes and the doubling: 8/16 mm, 16/32 mm, 25/50 mm and 35/70 mm.



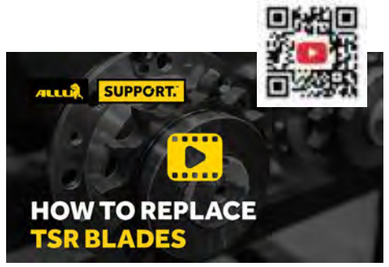
HOW TO REPLACE X BLADES

In this video, we'll guide you through each step of the blade replacement process on an X Drum. Using authentic parts not only guarantees a perfect fit but also upholds the performance standards you expect from ALLU products. Follow along as we demonstrate the correct procedure to ensure the equipment continues to operate at its best.

HOW TO REPLACE TSR BLADES

This video shows you step-by-step instructions on how to change the TSR blades and all the tools you need in the process.

The innovative 2-piece structure allows for individual blade replacement directly on the shaft without the need to disassemble the drum or open the chain box.



ALLU
One Step Ahead

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