

**Screening
Crushing
Mixing
Stabilising
Aerating
Loading**

**ALLU TS[®]
Screener Crusher**

Unique ALLU Features & Benefits

- ▶ Strongest frame structure on the market
- ▶ Strongest power transmission on the market
- ▶ Most versatile on the market
- ▶ Works in wet and sticky conditions
- ▶ Changeable wear parts
- ▶ Patented construction and details
- ▶ Worldwide sales and service network

STRONG & RELIABLE

- ▶ Heavy duty welded frame construction and wear parts made of special wear resistant steel
- ▶ Heavy duty motors provide reliable power and high torque to start and run the screener crusher
- ▶ Motors placed inside the frame to avoid any damages from the outside
- ▶ Fenders protect bearings against dust
- ▶ Lubrication grease inside the chain boxes ensure long transmission life time

EFFICIENT

- ▶ Produces homogenous end product
- ▶ High production even with wet materials
- ▶ Quick and easy to maintenance
- ▶ 30% bigger volume with extra sides
- ▶ Screens material with one start-up, no back and forth rotation
- ▶ Self cleaning design

VERSATILE

- ▶ Fits both excavator or wheel loader
- ▶ Can be mounted to an excavator both as backhoe- and as front shovel
- ▶ One bucket, two fragment size
- ▶ Handles many different materials - also wet ones
- ▶ The adapter plates are easy to change
- ▶ Screen, crush, mix, aerate and load in 'one step operation'





One unit - two fragments

Unique ALLU TS structure enables two different fragment sizes from same unit. Fragment size estimation is based on screening comb distance. It is quick and easy way to change from a one screening job to another. More versatile processing!

Self cleaning design

Due to ALLU TS's self cleaning design, it allows the best possible capacity even with wet material. We call this innovative design a non-clogging structure.



Hundreds of ALLU applications worldwide

- ▶ Pipeline & cable excavation
- ▶ Industrial applications
- ▶ Composting
- ▶ Stabilising
- ▶ Recycling



Pipeline padding/back filling



Screening top soil



Screening and loading peat



Crushing glass



Crushing bricks / black top asphalt



Crushing demolition waste



Mixing sand and clay



Mixing top soil and sand



Mixing sludge and bark



Stabilising foundation layers



Stabilising clay



Stabilising soil with lime



Aerating biowaste compost





Aerating contaminated soil compost



Aerating sludge compost

ALLU TS Attachment

Model	 Recommended minimum weight for Excavator		 Recommended minimum weight for Wheel loader		Volume water/ heap ISO/ SAE m ³	Screening area m ²	Hydr. oil flow l/min	Max hydr. power cont./ peak kW	Blades / machine			Measurements H x W x L cm	Weight
	Material weight		Material weight						16/32 pcs of blades	25/50 pcs of blades	35 pcs of blades		
	0,9 tn/m ³ t (min.)	1,9 tn/m ³ t (min.)	0,9 tn/m ³ t (min.)	1,9 tn/m ³ t (min.)									Kg TS 25 blades

10 - 45 t EXCAVATORS & 4 - 30 t WHEEL LOADERS & BACKHOE LOADERS

Basic														
DN 3-12	16	20	7	10	1,0/1,2	0,9	125-160	70/110	108	84	60	136 x 140 x 151	1410	
DN 3-17	20	24	9	13	1,3/1,5	1,4	160-200	70/110	162	126	90	136 x 140 x 205	1790	

Strong														
DSH 3-23	24	32	12	17	1,7/2,0	1,7	190-315	125/225	216	162	120	144 x 151 x 269	2540	
DSH 4-23	30	NOTE 5	14	22	2,3/2,7	2,3	240-400	135/225	288	216	160	169 x 175 x 269	3160	

Heavy														
DH 3-12	18	23	8	11	1,0/1,2	0,9	190-315	135/225	108	84	60	145 x 153 x 161	1970	
DH 3-17	22	27	10	15	1,3/1,5	1,4	190-315	135/225	162	126	90	145 x 153 x 215	2460	
DH 4-17	27	36	14	19	1,8/2,1	1,7	190-315	135/225	216	168	120	170 x 177 x 215	2940	

	Max weight excavator tons	Max weight wheel loader tons	Hydraulic motor pcs
DN TS -series	28	14	1
DSH TS -series	35	22	2
DH TS -series	45	30	2

Screening and Crushing Blades

Standard blade for screening



- ▶ Changeable blades
- ▶ Change of fragment size without dismantling drums

Models:

- ▶ 16 mm (3/4") and 2 x 16 mm = 32 mm (1 1/4")
- ▶ 25 mm (1") and 2 x 25 mm = 50 mm (2")
- ▶ Blade thickness 35 mm / (1 1/2")

Axe blade for crushing



- ▶ Efficiency for crushing applications
- ▶ Change of fragment size without dismantling drums
- ▶ Homogeneous end product
- ▶ Changeable blades

Models:

- ▶ 16 mm (3/4") and 2 x 16 mm = 32 mm (1 1/4")
- ▶ 25 mm (1") and 2 x 25 mm = 50 mm (2")
- ▶ Blade thickness 35 mm / (1 1/2")

ALLU TS Drums

TS Assembly



Screening drum



Crushing drum



NOTE!

1. Minimum recommended base machine weights are calculated without extra side, 300 kg adapter included, and with material density of 0,9 and 1,9 t/m³.
2. Check the tipping load from the base machines' technical info. This may increase minimum weight recommendation even by 1 - 3 tonnes.
3. Specifications subject to modifications at manufacturers discretion. All weights/sizes are approximate
4. Volume increases approximately 30 % with extra sides.
5. Factory confirmation required

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

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Dealer



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