

SHREDDER

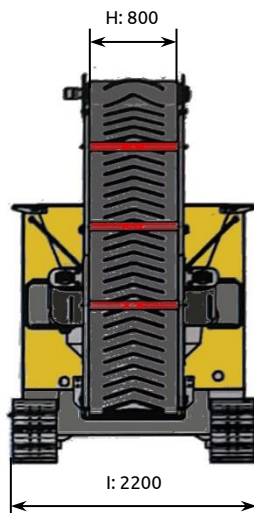
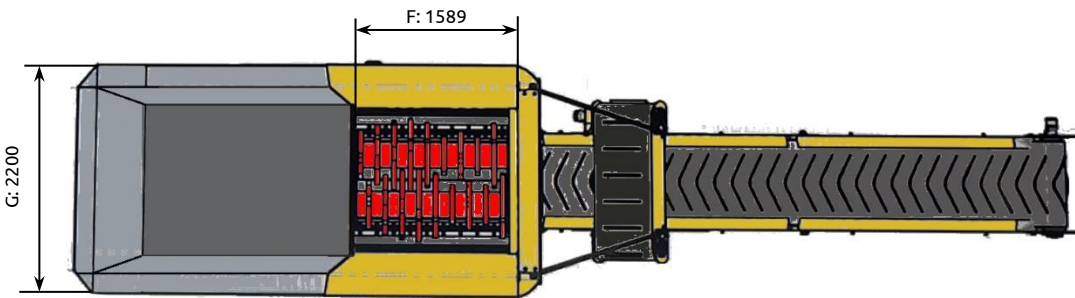
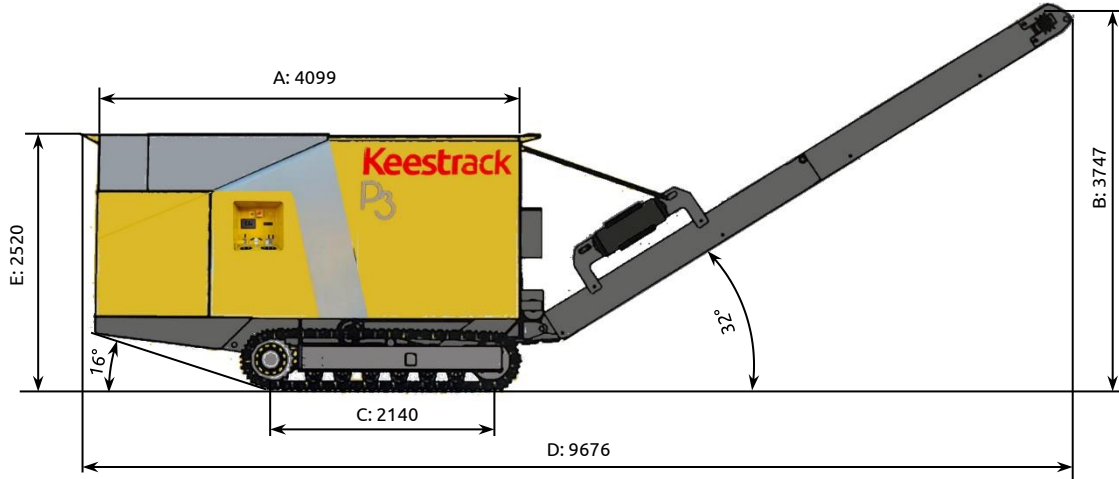


SHREDDER



DIMENSIONS

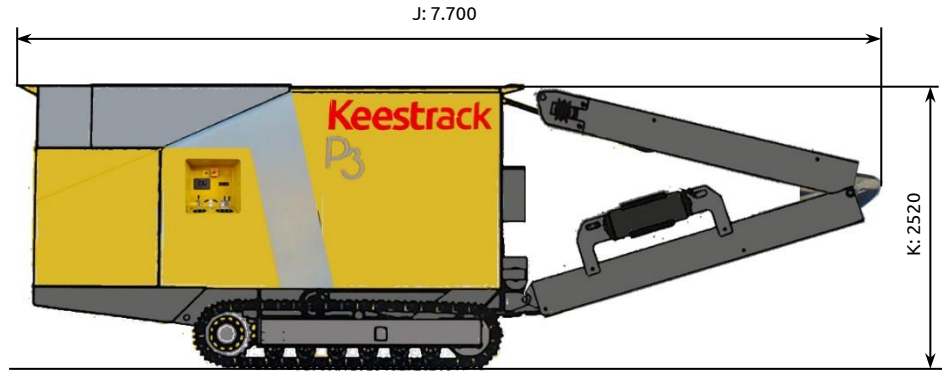
WITHOUT AFTERSCREEN:



SHREDDER

TRANSPORT DIMENSIONS

TRANSPORT WITHOUT AFTERSCREEN:



Weight: approx. 14,5 t (without Options)

Weight options:	
Magnetic separator Fe	650 kg
After screen	250 kg

Transport width	2.200 mm
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REMARK: All pictures might show options, not included in the scope of supply

A	B	C	D	E	F	G	H	I	J
4099	3747	2140	9676	2520	1589	2200	800	2200	7700
13'5"	12'4"	7'	31'9"	8'3"	5'3"	7'3"	2'7"	7'3"	25'3"

TECHNICAL SPECIFICATION

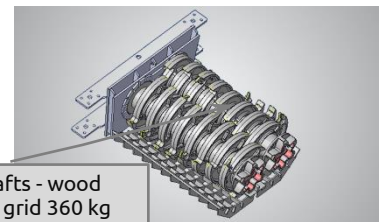
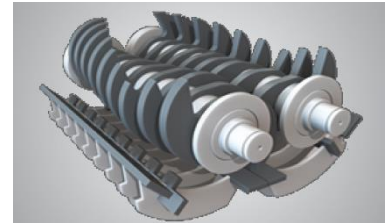
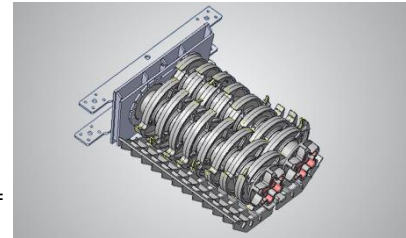
1) FEED HOPPER

- Content	2,3 m ³	(3 yard ³)
- Material	St 520 (Option: wear resistant Stahl HB 450)	
- Feeding height	2.520 mm	(8'3")
- Feeding width	1.800 mm	(5'11")
- Feeding length	2.200 mm	(7'3")
- Tilting angle	45°	
- Feeding Shredder	Hydraulically tiltable; in automatic mode every 5 seconds (Optionally tiltable via remote control)	

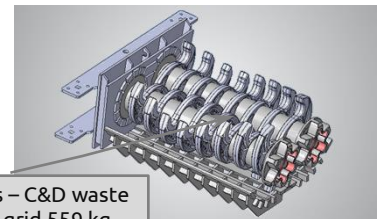


2) TWIN SHAFT SHREDDER

- Feed opening	1589 x 1200 mm (L x B)	(5'3" x 3'11")
- Shaft diameter	700 mm	(2'4")
- Drive	Diesel engine – hydraulic axial piston pump – axial piston motor – planetary gear	
- Driving torque	90.000 Nm per shaft (= 180.000 Nm)	(66375 lbft x2= 132750 lbft)
- Oil pressure hydraulic motor	400 r	
- Speed of shaft	1 st shaft: 45 R.P.M. 2 nd shaft: 25 R.P.M.; every hour resp. acc. to the program, the shafts change direction of rotation; automatic reversing of the shafts at overload (= release system)	
- Release system	Variable grids acc. to feed material:	
- Grid	Wood: Opening of grid 100 mm	(4")
	C&D Waste (rubble): Opening of grid 60 mm (for final product approx. 0/80 mm)	(2,3" for < 3")
- Sets of shafts	Variable sets of shafts, depending on feed material (wood, C&D waste, rubble, garbage, metal, tyres, ...)	
- Time for changing shafts with grid	Approx. 1 hour	
- Throughput capacities	Garbage: 10-15 T.P.H. - approx. 0/100 (150) mm Whiteware: 10-15 T.P.H. - approx. 0/100 (200) mm Industrial garbage: 10-15 T.P.H. - approx. 0/100 (150) mm Wood: 10-20 T.P.H. - approx. 0/100 (250) mm C&D waste: 80-100 T.P.H. - approx. 0/70 (80) mm Concrete with reinforcement: 60-80 T.P.H. - approx. 0/70 (80) mm Concrete railway slippers: 3/min - approx. 0/70 (80) mm Asphalt: 80-100 T.P.H. - approx. 0/70 (80) mm Light scrap metal: 5-10 T.P.H. - approx. 0/100(250) mm	



Set of shafts - wood
3.675 kg + grid 360 kg



Set of shafts – C&D waste
2.673 kg + grid 559 kg

TECHNICAL SPECIFICATION

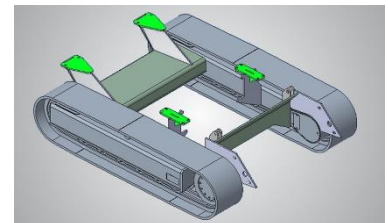
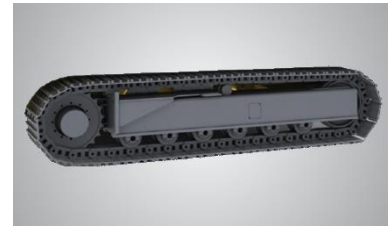
3) MAIN DISCHARGE CONVEYOR

- Discharge height	3.747 mm	
- Stockpile volume	approx. 130 t; $\gamma=1,4$; 37° angle of repose	(12'3")
- Length AD (=Axle distance)	7000 mm	(23')
- Width BW	800 mm	(2'7")
- Belt speed	2 m/s	
- Inclination	20 - 32°, manually adjustable	
- Drive	Hydraulic motor 250 ccm	
- Tail drum	Rod drum for avoiding material jamming with inside maintenance free bearings	
- Belt quality	Chevron belt	
- Transport	Manually foldable	



4) TRACKS

- Length AD	2.140 mm	(7')
- Width track shoe	400 mm	(1'4")
- Total width	2.200 mm	(7'3")
- Speed	2,5 km/h	
- Drive	Hydraulic piston pump and planetary gears	



TECHNICAL SPECIFICATION

5) ENGINE UNIT

EU = Europe / US = United States
REM = ROW - Rest of World (except China and India)

Legend:
(a) = actual; (s) = standard; (o) = optional

- Type	49 ENU-100-00H; Diesel / Hydraulic	
- Diesel Motor, Type	a) DEUTZ TCD 5.2 L4 (EU + US) - (s)	
- Emission control	a) Tier 4f; EU STAGE V; DOC / SCR / DPF	
- Power ISO 14396	a) 170 kW @ 1.800 - 2.300 U/min	(231 hp)
- Max. torque	a) 950 Nm @ 1.500 U/min	(700 lb ft)
- Motor revolution	1.500 - 2.300 U/min (Standard: 2.300 1/min)	
- Bore hole / stroke	a) 110 x 136 mm;	(4,33" x 5,36")
- Combustion chamber	a) 5.200 cm ³	(317 cuin)
- Diesel consumption	a) 196 g/kWh @ 1.500 1/min, typical 15 - 20 l/h **)	
- Voltage	24 Volt (for improved cold start properties)	
- Cooling	Combi cooler (water, air) with fan ø 670 mm, can be cleaned in a good and easy way; The cover can be swivelled out.	
- Fuel	580 Litre; Code acc. to EN 590	(153 gal)
- Air filter	Cyclon pre filter + Oil bath filter + dual stage fine filter	
- Shredder drive	Diesel engine → axial piston pump → axial piston motor → planetary gear	
- Hydraulic oil tank	106 Litre	(28 gal)
- Gear oil	55 Litre	(15 gal)

ATTENTION

*Engine warranty expires in case non genuine
Keestrack filters are used!*

With „Load sensing“ hydraulic pumps, the fuel consumption is reduced by ca. 20-25%, compared to standard gear pump and flow divider hydraulic systems.



TECHNICAL SPECIFICATION

6) CONTROL

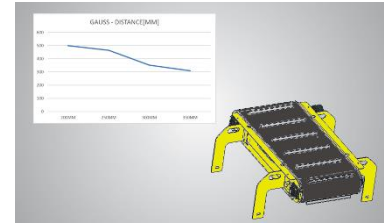
Type	PLC – IP 67; dust and vibration proof
- Display	LCD screen 4,3"
- Operation	Control panel with key pad, 12 buttons
- Controller	Wired hand remote controller; or optional Radio remote controller (see option list)
- Temperature control of hydraulic oil	> 83° C protection; first feeder stops, later engine stops
- Diesel fuel tank level sensor	First low-level warning, then feeder stops, then engine stops
- Cold start protection	Below 0° C a warm-up is required
- Speed sensor for rotor	Included



TECHNICAL SPECIFICATION - OPTIONS

7) MAGNETIC SEPARATOR

- Belt width	700 mm	(2'4")
- Belt length (AD)	1.530 mm	(5')
- Magnet L x W	700 x 700 x 215 mm	(2'4"x2'4"x8")
- Magnetic power	500 GAUSS at 200 mm	
- Drive	Hydraulic motor 250 ccm	
- Speed	2,0 m/s	
- Weight	650 kg	(1.430 lb)
- Belt	Endless rubber belt KT Flex 400/1; 4+2,5; Grade RS; cleats vulcanized T 35 (40) mm	



8) REMOTE CONTROL

- Functions	- Tracks forwards / backwards; fast /slow
	- Feed hopper up / down
	- Shredder shafts start / stop and forward / backward
	- Machine stop button (blue)
	- Display

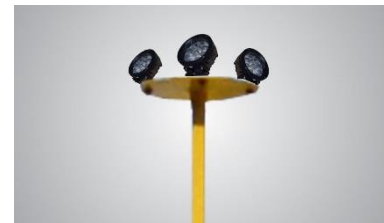
9) BUILT ON AFTER SCREEN

- Width	900 mm	(2'11")
- Length	1000 mm	(3'3")
- Drive	Hydraulic motor 100 ccm	
- Openings	50 mm	(2")
- Discharge conveyor fine fraction	BW 400 mm; AD 2000 mm	(1'4"; 6'7")



10) WORKING LIGHTS

- Tower with 4 lamps	p/n 701006 LED lights 12/24 V; 45 W each lamp: 9 pcs. LED's (p/n 205147) 4500 Lumen	
- protection degree	IP69K	
- Weight	9 kg	(20 lb)



11) FUEL FILLING PUMP p/n 701030

- with automatic stop	p/n 701030	
- Weight	10 kg	(22 lb)
- Model	F 80-24-1"	
- Capacity	80 l/min	
- Filter	3 micron with water absorbant media	
- Suction hose	¾" 1,5 m long	
- Drive	On board-electric 24 V DC	

