

IMPACT CRUSHER R6

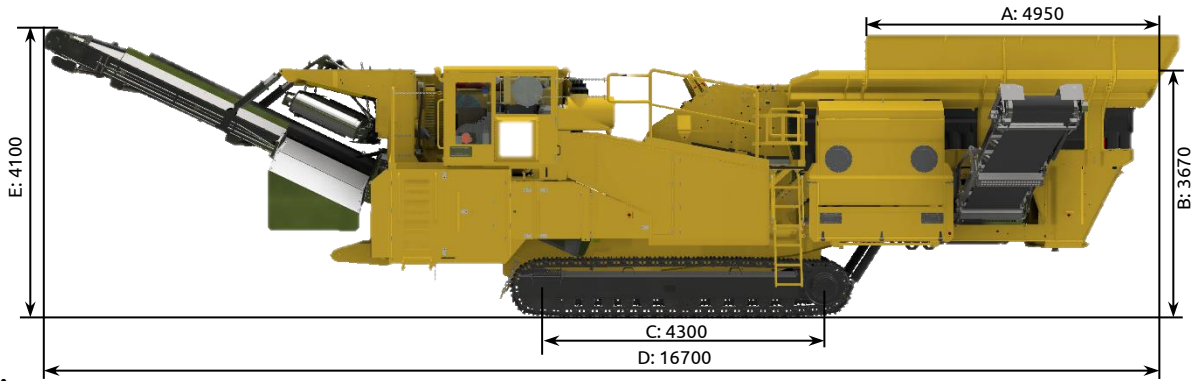


IMPACT CRUSHERS

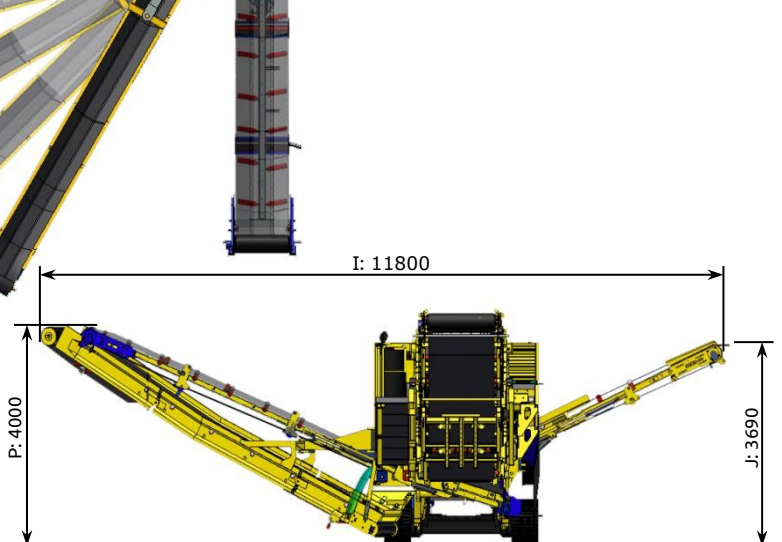
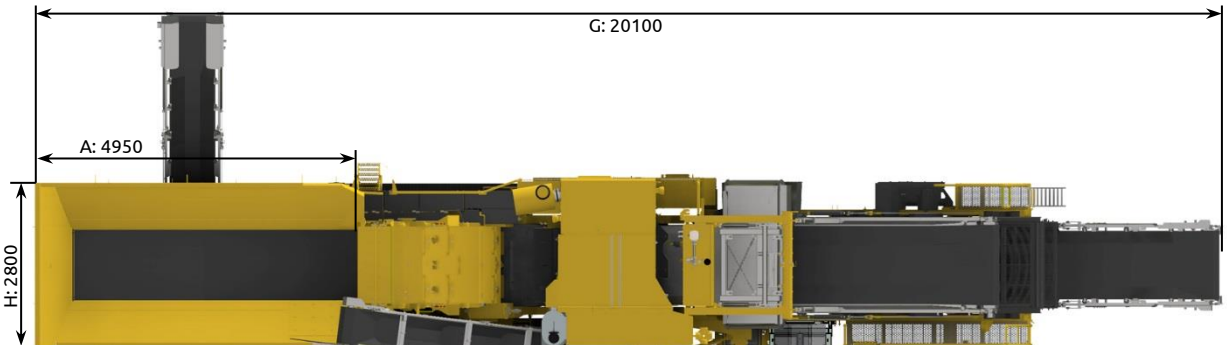


DIMENSIONS

WITHOUT SCREEN:



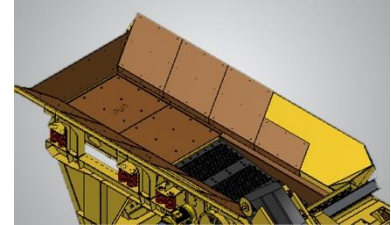
WITH SCREEN:



TECHNICAL SPECIFICATION

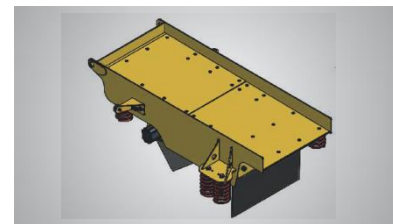
1) FEED HOPPER

- Type	54 FEH 100-00	
- Content	7 m ³	(8,75 yard ³)
- Wear lining	Wear resistant steel HB 500 (RUB discharge + bottom); Top: HB450	
	HB 500 (over total length); welded	
- Feeding height	3.670 mm right side; 3870 mm left side	(12'1")
- Feeding width	2.800 mm	(9'2")
- Feeding length	4.950 mm	(16'3")



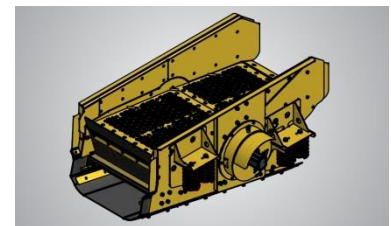
2) VIBRATING FEEDER

- Type	56 VIF 100-00	
- Length	2.400 mm	(7'10")
- Width	1.250 mm	(4'1")
- Drive	Hydro motor 11 kW 600 – 900 R.P.M.	(15 hp)
- Capacity	Up to 500 t/h	



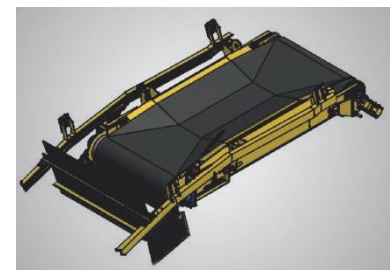
3) DOUBLE DECK PRE-SCREEN

- Type	56 SCS 100-00	
- Length	3.100 mm	(10'2")
- Width	1.250 mm	(4'1")
- Top deck 2 step	Hexagonal aperture: 55 mm - 80 mm ZIG ZAG aperture: 20 mm – 45 mm	(2"-3") (0,8"-1,8")
- Bottom deck	2.610 x 1.250 mm with square mesh of choice (longitudinally tensioned)	(8'7" x 4'1")
- Material flow	- fine fraction either in crusher bypass or separately stockpiled (with p/n 669460) - Intermediate fraction either in crusher bypass (lower deck bigger mesh than upper deck) or separately stockpiled (with option p/n 669460)	
- Drive	Hydro motor 15 kW; 900 – 1020 R.P.M.	(20 hp)



4) UNDERSCREEN CONVEYOR - GALVANIZED

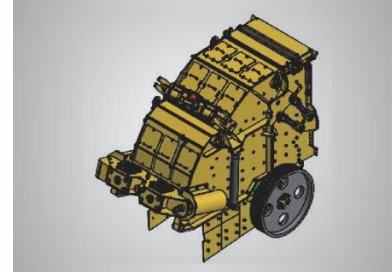
- Type	56 REC 100-00	
- Length	2.850 mm	(9'4")
- Width	1.000 mm	(3'4")
- Speed	2,09 m/s	
- Max. capacity	200 t/h	
- Drive	5 kW hydraulic motor reversible	(7,5 hp)
- Reversible belt	To feed the pre-screened material under the crusher in bypass or to the side conveyor	
- Ease of service	The conveyor can slide out for ease of service purposes.	



TECHNICAL SPECIFICATION

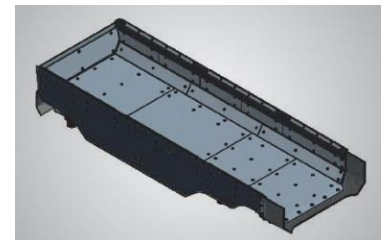
5) IMPACT CRUSHER

- Type	54 ICR 100-00	
- Inlet opening	970 x 1.300 mm (H x W).	(2'11" x 4'3")
- Weight impact crusher	Approx. 17.200 kg	(38.000 lb)
- Rotor width	1.250 mm	(4'1")
- Rotor diameter	1.267 mm	(4'2")
- Drive	Direct via elastic clutch, transmission gear, Turbo clutch and V-belts	
- Blow bars	2 pcs. each 315 kg + 2 pcs. each 242 kg	(700 + 530 lb)
- Rotor speed	487 RPM (32,2 m/s) to 578 RPM (38,2 m/s)	
- Pulley diameter	Rotor 1.100 mm; motor 335 mm	(3'7"; 1'1")
- Weight rotor	Approx. 6.100 kg (without bearings)	(12.800 lb)
- Throughput capacity	up to 450 t/h	
- Impact aprons	2 pcs. with hydraulic gap setting	
- Gap upper apron	(new tools) -40 / 345 mm; Dodging max. 400 mm	(-1,5" / 1'2") (1'4")
- Gap lower apron	(new tools) -115 / 140 mm; Dodging max. 280 mm	(-4,5" / 5,5") (11")
- Distance rotor / feeder	340 mm	(1'2")



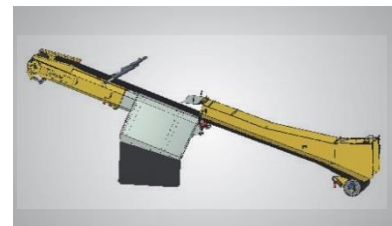
6) VIBRATING DISCHARGE FEEDER (Belt saving feeder)

- Type	53 DCF 200-00	
- Length	3.180 mm	(10'4")
- Width	1.300 mm	(4'3")
- Capacity	Up to 450 t/h	
- Drive	7,5 kW hydraulic motor	(10,2 hp)
- Wear lining	HB 450 + HB 500; s=10 mm	(1/2")



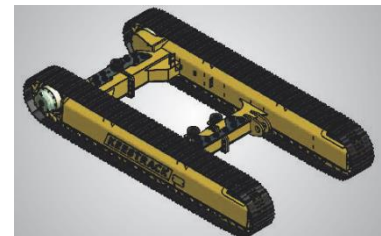
7) MAIN BELT CONVEYOR - GALVANIZED

- Type	56 MPC 100-00	
- Discharge height	4.100 mm	(13'5")
- Stockpile volume	Approx. 210 t ($\gamma=1,7$; 37° angle of repose)	
- Length AD	8.500 mm	(27'11")
- Width BW	1.400 mm	(4'7")
- Belt speed	adjustable; standard 1,35 m/s	
- Inclination	24°	
- Drive	hydraulic motor 21 kW	(29 hp)
- Rubber belt quality	KT-Flex 630/1 6+3 Grade RS	



8) TRACK UNIT and TILTING CHASSIS

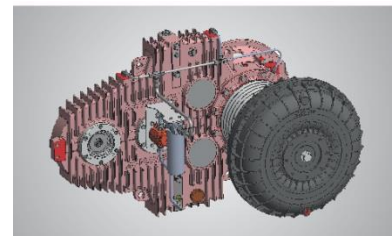
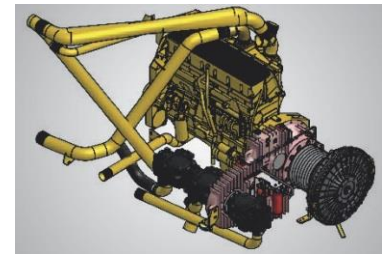
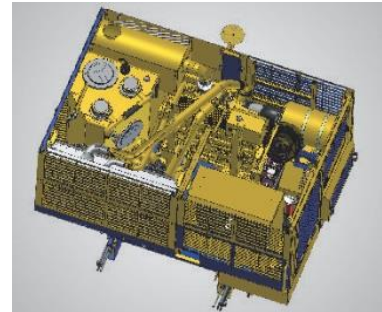
- Type	56 TRA 100-00	
- Length	4.300 mm	(14'1")
- Width track shoe	500 mm	(1'8")
- Total width	2.850 mm	(9'0")
- 2 speeds	0,72 km/h and 1,27 km/h	(0,5/0,8 mph)
- Drive	Hydraulic piston motor and planetary gears	
- Tilting chassis (patented)	For increased access to maintenance and inspection and for linking the machine to the DOLLY respectively to the truck. In addition, the tilting can be used for operation to increase the feed capacity in case of sticky material or hard coal crushing.	



TECHNICAL SPECIFICATION

9) ENGINE UNIT

- Type	56 ENU 200-00; Diesel engine, 6 cylinder in line	
- Diesel Motor, Type	a) VOLVO TAD 1650 GE, fixed speed b) VOLVO TAD 1671 VE c) CATERPILLAR C15 ACERT TA; C rating	(p/n 100650) (p/n 101646A) (p/n 102141)
- Emission control	a) Tier 3; EU STAGE IIIA b) Tier 4f, EU STAGE IV c) Tier 2; CHINA STAGE II or Tier 3; EU STAGE II or IIIA	Latest technology
- Power ISO 14396	a) 439 kW (with fan) prime power w/o fan for 402 kW at 1.500 R.P.M.	(597/617 hp)
- Max. torque	b) 450 kW / 1.800 R.P.M.; c) 403 kW at 1.800 R.P.M.	(650 / 548 hp)
- Motor revolution	a) 2.814 Nm/1.500 R.P.M. b) 2.387 Nm/1.800 R.P.M.	(2.007 lbft) (1.760 lbft)
- Bore hole/stroke	a) 1.500 R.P.M. b+c) 1.600 R.P.M. – 1.900 R.P.M.	
- Combustion chamber	a+b) 144 x 165 mm c) 137 x 171 mm	(5,7" x 6,5") (5,4" x 6,7")
- Diesel consumption	a+b) 16.120 cm ³ c) 15.200 cm ³	(984 cuin) (927 cuin)
- Voltage	a) 202 g/kWh; b) 201 g/kWh / 1.800 R.P.M.	(
- Cooling	24 Volt (for improved cold start properties) Combi cooler (water, air, diesel, hydraulic) separate hydraulic variable piston pump valve for reversing fans and fixed piston motor For cleaning purpose fold-out easily	Combi cooler fold-out
- Fuel	Tank 925 Litres; fuel code acc. to EN 590	(244 gal)
- Air filter	Cyclone pre-filter + dual stage fine filter	
- Engine operation	4-stroke Diesel; Direct injection, Turbo-charged and Charge Air Cooled;	
- Drive crusher	Engine → power transmission gear (ratio = 1/1) → Turbo clutch → V-belt drive for crusher direct drive	
- Power transmission	Flange with elastic coupling for damping engine vibrations; Flange for hydraulic pump (track drive); Switchable toothed clutch (for emergency and service only), V-belt pulley and Turbo clutch; Pump with oil filter for lubrication of gear	
- Oil tank	720 Litres	(190 gal)
- Hydraulic drives	Load sense pumps with PVG	
- Insulation	Noise absorbing canopy	



ATTENTION

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

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

TECHNICAL SPECIFICATION

10) CONTROL

- Type	PLC – IP 67; dust and vibration proof
- Display	LCD screen 7"
- Operation	Control panel
- 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

11) DUST SUPPRESSION SYSTEM a) p/n 105559

b) HIGH PRESSURE p/n 101861

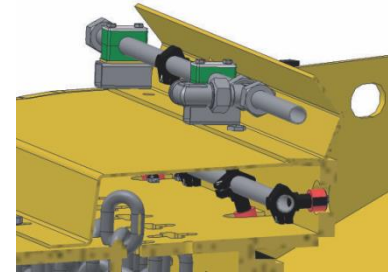
- | | |
|---------------------|---|
| - Type | a) CAS 9; b) HPW 200/30-45 |
| - Drive | a) Hydraulic motor 1,1 kW; b) 10 kW |
| - Water consumption | Max. 0,75 m ³ /h |
| - Spraying areas | Crusher inlet and outlet (optional end of main or fines conveyor) |

(1,5 (14) hp)

p/n 105558



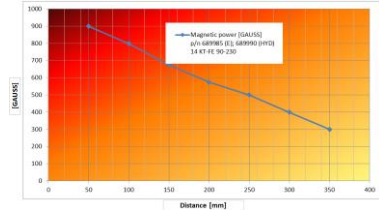
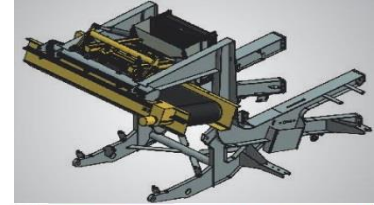
p/n 101861



TECHNICAL SPECIFICATION - OPTIONS

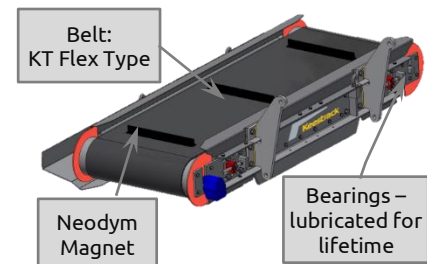
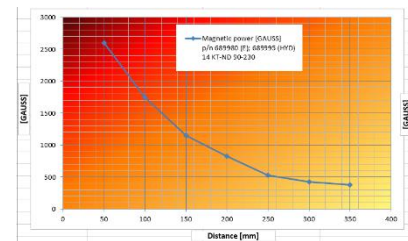
12) MAGNETIC SEPARATOR p/n X115499 – 14 KT-FE 90-230

- Type	14 KT-FE 90-230	
- Length	2.300 mm	(7'6")
- Width	950 mm	(2'11")
- Magnetic power	400 GAUSS at 300 mm distance	
- Magnet dimensions	1.490 x 885	(4'11" x 2'11")
- Speed	2,5 m/s	
- Drive	Hydraulic motor 5,5 kW	(7,5 hp)
- Height adjustment	Hydraulic height adjustment 150 - 345 mm	
- Weight	2.400 kg	(5.100 lb)



13) NEODYM MAGNETIC SEPARATOR p/n X115501

- Type	14 KT-ND 90-230	
- Belt width	950 mm	(2'11")
- Belt length (AD)	2.300 mm	(7'6")
- Magnet L x W	1.490 x 885 mm	(4'11" x 2'11")
- Magnetic power	550 GAUSS at 250 mm; 750 GAUSS at 200 mm	
- Drive	Hydraulic motor 5,5 kW	(7,5 hp)
- Speed	2,5 m/s	
- Lift able and lower able	Hydraulic 150 up to 345 mm	
- Weight	1.200 kg	(2.500 lb)
- Remark:	Required if DOLLY is supplied for transport weight reasons	



14) CENTRAL GREASING SYSTEM incl. AFTERSCREEN p/n 102027

- Cycle time	Adjustable	
- Drive	On board electric, 24 V DC	
- Weight	6 kg	(13 lb)



IMPACT CRUSHERS

TECHNICAL SPECIFICATION - OPTIONS









15) RADIO REMOTE CONTROL DUO 10 F PRO + JOYSTICK – Level 3

- Order no.	Remote 103413 (433 MHz for Europe) (915 MHz for Indonesia, China, USA) Sticker 101474
- Functions	<p>Unit 1:</p> <ul style="list-style-type: none"> - Tracks forwards / backwards proportional with automatic speed control <p>Unit 2:</p> <ul style="list-style-type: none"> - Upper apron up / down - Release of crusher inlet - RUB +/- proportional - SCR start / stop - MPC start / stop - DCF start / stop - Vibrating feeder start / stop and +/- proportional - Magnetic separator auf / ab - Automatic start / stop - Engine stop - Machine stop button (blue) - Display



TECHNICAL SPECIFICATION - OPTIONS

16) BLOW BARS and APRON LINERS

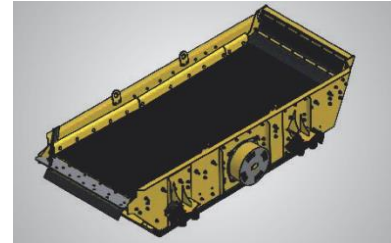
For Crusher	P/N	Material	Colour	Ca. Hardness [HRC] *	Weight [kg/pcs.]**	Application	Picture
1313 ECO EP, ECO FS, ECO-D-EP	KP X114979	Martensitic + Master ceramic (Inlay extra high)	<p>BLUE</p>  <p>RAL 5010</p>	54 - 58	320	Feed size < 500 mm; concrete with medium reinforcements of steel	
1313 ECO EP, ECO FS, ECO-D-EP	KP X116365	High Chrome + Master ceramic	<p>RED</p> 	60 - 65	320	Asphalt, secondary crushing, feed size < 150 mm	
1313 ECO EP, ECO FS, ECO-D-EP	102527	Apron liner Mn 18 Cr2	No colour		235	Concrete with reinforcement	
1313 ECO EP, ECO FS, ECO-D-EP	100821	Apron liner FX 25 Cr High Cr + Ceramic Inlay	<p>RED</p> 	60 - 65	256	Asphalt, secondary crushing, feed size < 150 mm Attention: 6 holes only! Apron has to be amended!	
1313 ECO EP, ECO FS, ECO-D-EP	102530	Apron liner High Manganese Mn18Cr2	No colour		78		

IMPACT CRUSHERS

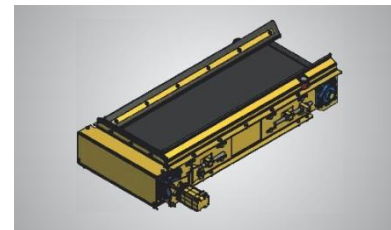
TECHNICAL SPECIFICATION - OPTIONS

17) BUILT ON DOUBLE DECK SCREEN with OSR, RUB, FCO p/n 105557

SCREENBOX	53 SCR 500-00 H	
- Width	1.500 mm	(5'0")
- Length	4.500 mm (without feeding tray)	(14'9")
- Drive	Hydraulic 11 kW	(15 hp)
- Tensioning system	Each deck 3 screen nets, mechanically side tensioned	
- Decks	2 Decks	



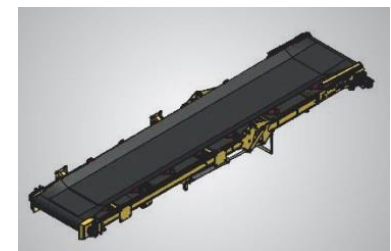
OVERSIZE CONVEYOR	56 OSR 100-00 – GALVANIZED	
- Length AD	1.900 mm	(6'3")
- Width BW	650 mm	(1'2")
- Drive	Hydraulic 4 kW	(5,5 hp)



RECYCLING CONVEYOR	56 RUB 100-00 – GALVANIZED	
- Length AD	7.680 mm	(25'2")
- Width BW	650 mm	(2'1")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	26°	
- Drive	Hydraulic 7,5 kW	(10,2 hp)
- Max capacity	120 t/h	
- Rubber belt	EP 400/3 4+2 (Chevron)	
- Application	The conveyor can either be used for oversize recycling to the crusher or as stockpile conveyor for the oversize fraction. Hydraulic swivelling mechanism.	

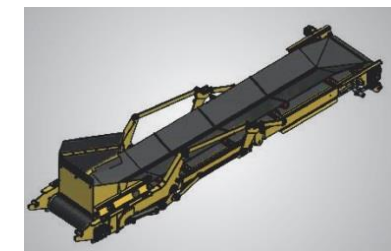


FINES CONVEYOR	53 FCO 500-00H – GALVANIZED	
- Length AD	6.800 mm	(22'3")
- Width BW	1.200 mm	(4'0")
- Discharge height	4.150 mm	(13'7")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	25°	
- Drive	Hydraulic 11 kW	(15 hp)
- Stockpile volume	Approx. 220 t (y=1,7; 37°)	
- For transport / service	Hydraulically fold-able	



18) PRE-SCREENING STOCKPILE CONVEYOR LEFT or RIGHT SIDE – GALVANIZED p/n 699995

- Type	54 LSC 100-00 H	
- Length AD	5.400 mm	(17'9")
- Width BW	800 mm	(2'7")
- Discharge height	3.690 mm	(12'1")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	22°	
- Drive	Hydraulic 5,5 kW	(7 hp)
- Stockpile volume	Approx. 150 t (y=1,7; 37°)	
- For transport	Hydraulically fold-able	



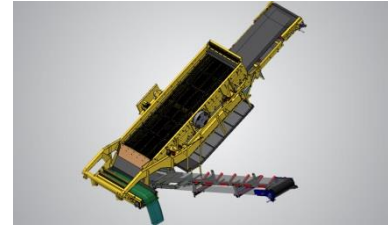
IMPACT CRUSHERS

TECHNICAL SPECIFICATION - OPTIONS

19) RIGHT SIDE CONVEYOR FOR MIDDLE FRACTION – GALVANIZED

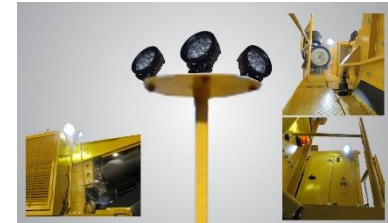
p/n 656500

- Type	56 RSL 100-00	
- Length AD	8.200 mm	(26´10")
- Width BW	800 mm	(2´7")
- Belt	EP 400/3 3+1,5 L63 CHEVRON	
- Discharge height	4.000 mm	(13´1")
- Belt speed	Adjustable; standard 1,15 m/s	
- Inclination	22°	
- Drive	Hydraulic 5,5 kW	(7 hp)
- Stockpile volume	Approx. 200 t (γ=1,7; 37°)	
- For transport	Hydraulically fold-able	



20) WORKING LIGHTS

- Standard: 6 lamps	p/n 701006 (Tower 4 + 1 + 1) LED lights 12/24 V; 45 W each lamp: 9 pcs. LED's (p/n 205147) 4500 Lumen	
- protection degree	IP69K	
- optional	additionally 6 lamps more	
- Weight	9 kg	(20 lb)



21) FUEL FILLING PUMP p/n 101945 or 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 absorbent media	
- Suction hose	¾" 1,5 m long	
- Drive	On board-electric 24 V DC	



22) SERVICE GENERATOR SET AND AIR COMPRESSOR p/n 751000

- Type Generator	DYNASET HG 10 kVA (for service and drive of compressor)	
- Drive	Hydraulically driven	
- sockets for service	1 x 400 V, 16 A and 2 x 230 V, 16 A	
- Air volume	590 l/min at 6 bar with air filter	
- Suction air volume	840 l/min	
- Air pressure	Max. 10 bar	
- Weight	170 kg	(370 lb)



23) WHEELED DOLLY (4 axles) p/n 101843

- axle load	40 t (35 t machine weight)	
- king pin load	22,5 t; approved by TÜV NL/BE/DE	
- first 2 axles	fix	
- last 2 axles	trailer steered	
- Weight	5.200 kg	(11.000 lb)
- Remark	For transport, the right side conveyor or RUB, the blow bars and the side dirt conveyor have to be removed	



TECHNICAL SPECIFICATION - OPTIONS

24) WHEELED DOLLY (4 axles) p/n 103223

- Total axle load	max. 48 t, each axle 12 t	
- 1 axle	fix	
- 3 axles	trailer steered with VSE-control	
- Remark	without certification costs	
- weight	6.000 kg	(13.227 lb)

25) PREPARATION FOR DOLLY p/n 103777

- Contains	Lights, air pressure pipework, air pressure tank, ...	
- Weight	50 kg	(110 lb)

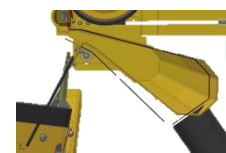
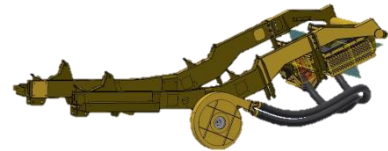
26) BELT SCALE MCL or FCO p/n 101392; LSC p/n 103036

- System	Weight recording
- Display	Feed capacity summary, daily feed capacity, actual capacity, belt speed
- Components	Roller station for weight take-up Speed take-up station Display with electronic unit with printer and data transfer



27) WINDSIFTING (AIR KNIFE) for OVERSIZE FRACTION p/n X105618

- Fan diameter	710 mm	
- Installed power	Hydraulic motor 15 kW @ 2.800 R.P.M.	
- Hoses	2 pieces dia. 114 mm	
- Air volume	39 m³/min @ 10.000 Pa	
- Weight	267 kg	(588 lb)



IMPACT CRUSHERS

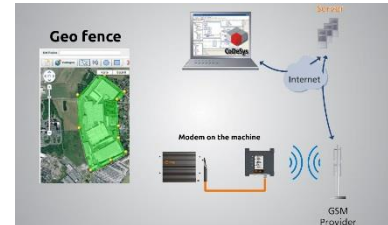
TECHNICAL SPECIFICATION - OPTIONS

28) UMTS MODEM WITH GPS TRACKING SYSTEM "KEESTRACKER" (without SIM card) p/n 102971

- Functions
- WEB portal: position of the machine can be displayed on Google Maps; a geo-fence can be generated.

FOR DEALER ONLY:

- Real time access to Diesel engine, parameters of components and alarms.



TRANSFER MACHINE DATA THROUGH KEESTRACKER

The Buyer will not transfer personal data to KEESTRACK. As part of the service, KEESTRACK will receive the following data regarding the machine through "Keestracker", the tracking and controlling system of the machine in question:

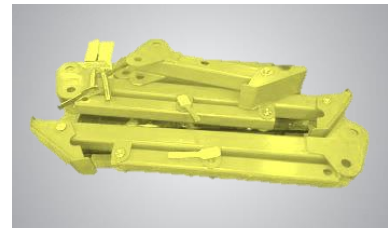
- Location data of the machine
- Machine usage data (such as: performance of the engine and other functions)

The Buyer acknowledges that this information does not constitute confidential business information of the Buyer. The Buyer provides its explicit consent for this data collection and takes appropriate technical and organizational measures to ensure that natural persons cannot be identified by these mechanical data.

The Buyer explicitly acknowledges that this information is provided free of charge to KEESTRACK for the delivery of services offered by KEESTRACK and to adapt or improve its services and/or products.

29) SUPPORTING LEGS FOR AFTER SCREEN p/n 101468

- application 4 pcs. supporting legs
- weight 183,6 kg (405 lb)



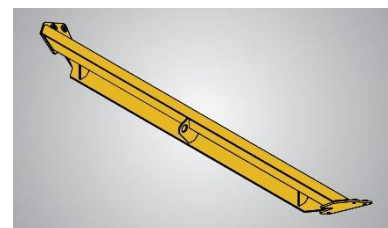
30) WALKWAY FOR SCREEN - LEFT SIDE p/n 699439

- description additional walkway on the left side
- weight 143 kg (315 lb)



31) HOPPER BACK WALL EXTENSION p/n 645600

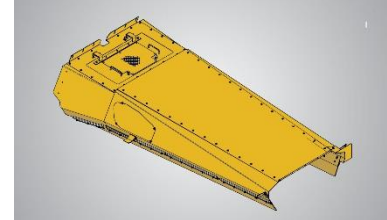
- dimensions H = 210 mm; HB450
- weight 90 kg (198 lb)



TECHNICAL SPECIFICATION - OPTIONS

32) DUST COVER MPC p/n 666855

- length	3.900 mm	(13')
- weight	360 kg	(794 lb)



33) HEATING SYSTEM for ENGINE UNIT p/n 203460

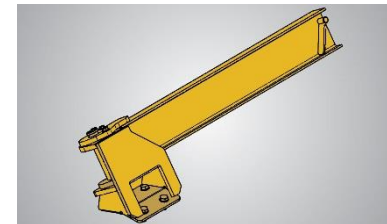
- Heating power	up to 9,1 kW;
- Fuel consumption	0,19 - 1,1 l/h
- Voltage / Watt	24V; 37-90 W
- Operating temperature	-40°C - + 80°C
- Weight	4,8 kg
- Additional	Incl. timer for 3 starting times and temperature pre-selection



HEATING SYSTEM FOR ENGINE

34) SWIVELLING HOIST p/n X109590

- description	for changing blow bars (without crane)	
- weight	69 kg	(152 lb)

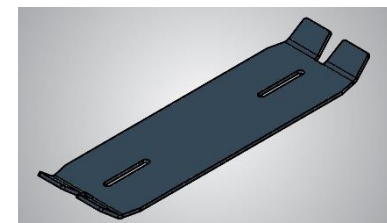


35) SALT SPRAY PROTECTION COAT p/n 103572

- Type	WAX KX100
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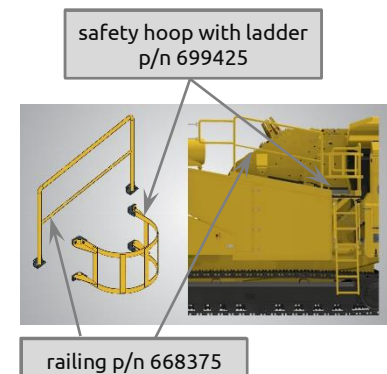
36) TRACK PADS FOR CRAWLERS p/n X105422

- Type	s= 5 mm; HB 500	
- weight	273 kg	(602 lb)



37) SAFETY KIT p/n 699425 and p/n 668375

- safety hoop with ladder for access platform	12 kg; p/n 699425	(26 lb)
- railing	14 kg; p/n 668375	(31 lb)



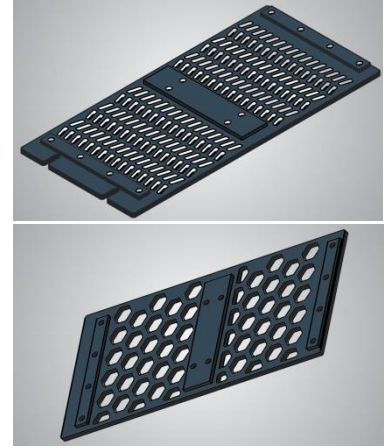
safety hoop with ladder p/n 699425

railing p/n 668375

TECHNICAL SPECIFICATION – SCREEN CHOICE

38) SCREENS for TOP DECK of PRE-SCREEN

	p/n	Dimensions	Thick-ness [mm]	Hardness
BLINDPLATE	X111423	BLINDPLATE	12	HB 450
ZIG ZAG	X111424	ZIG ZAG 20 x 65 mm	20	HB 450
	X111425	ZIG ZAG 25 x 70 mm	20	HB 450
	X111426	ZIG ZAG 30 x 95 mm	20	HB 450
	X111427	ZIG ZAG 38 x 130 mm	20	HB 450
	X111428	ZIG ZAG 45 x 125 mm	20	HB 450
HEXAGONAL	X113921	HEXAGONAL 55 mm	20	HB 450
	X111429	HEXAGONAL 64 mm	20	HB 450
	X111430	HEXAGONAL 70 mm	20	HB 450
	X111431	HEXAGONAL 80 mm	20	HB 450



39) SCREENS for BTM DECK of PRE-SCREEN

Square mesh

p/n	Dimensions
202803	15 x 15 x 3 mm
202801	20 x 20 x 4 mm
202765	22 x 22 x 4 mm
202769	25 x 25 x 7 mm
202802	30 x 30 x 5 mm
202890	40 x 40 x 7 mm
202795	50 x 50 x 8 mm



40) SCREENS for AFTER SCREEN

Square mesh
(TD and BD is the same; for each deck 3 screens are necessary)

p/n	Dimensions
202770	8 x 8 x 2,5 mm
202782	12 x 12 x 3 mm
202781	17 x 17 x 4 mm
202825	22 x 22 x 4 mm
202771	25 x 25 x 5 mm
202880	30 x 30 x 5 mm
202799	32 x 32 x 5 mm
202787	35 x 35 x 7 mm
202790	40 x 40 x 8 mm
202870	45 x 45 x 8 mm
202824	50 x 50 x 8 mm
202786	55 x 55 x 8 mm
202780	60 x 60 x 10 mm
202804	70 x 70 x 10 mm
202806	100 x 100 x 12,5 mm

