

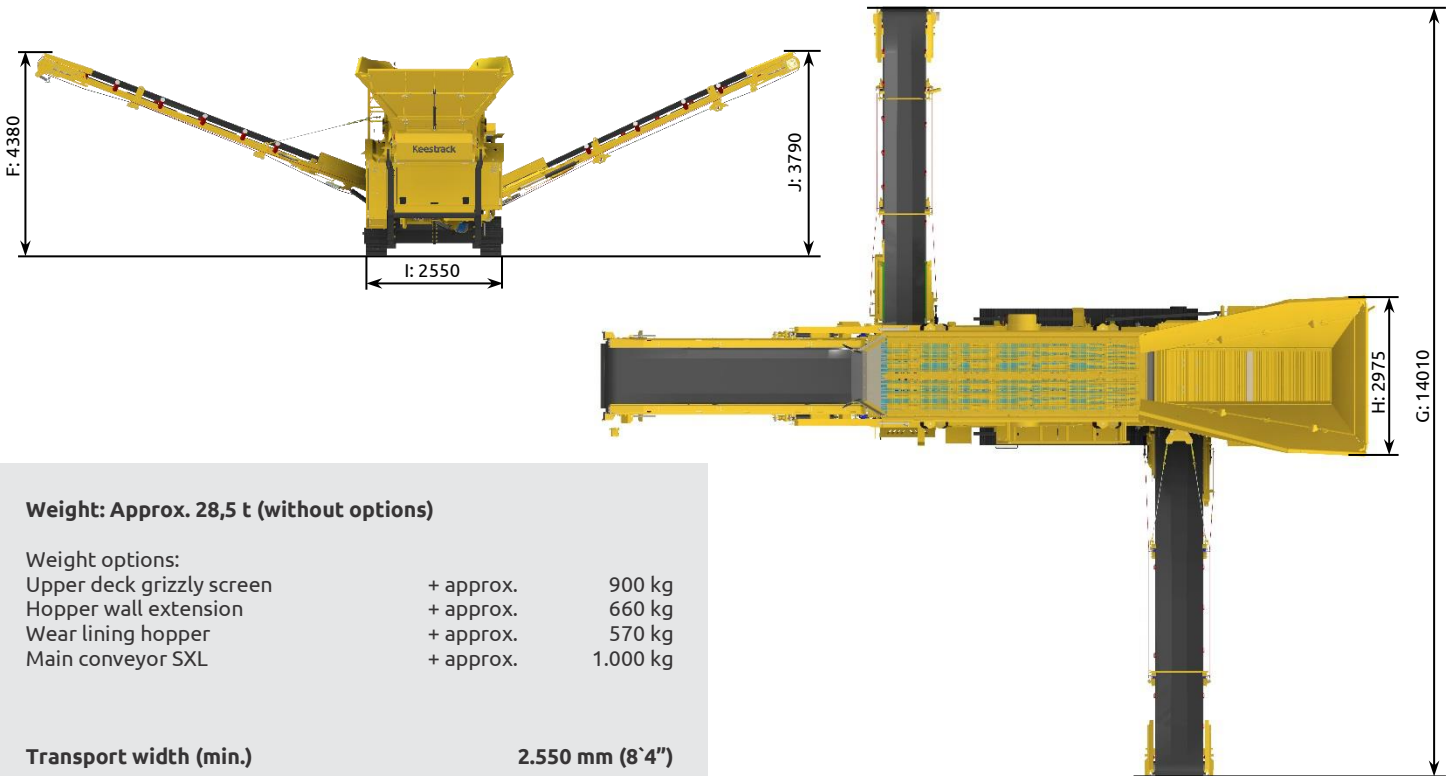
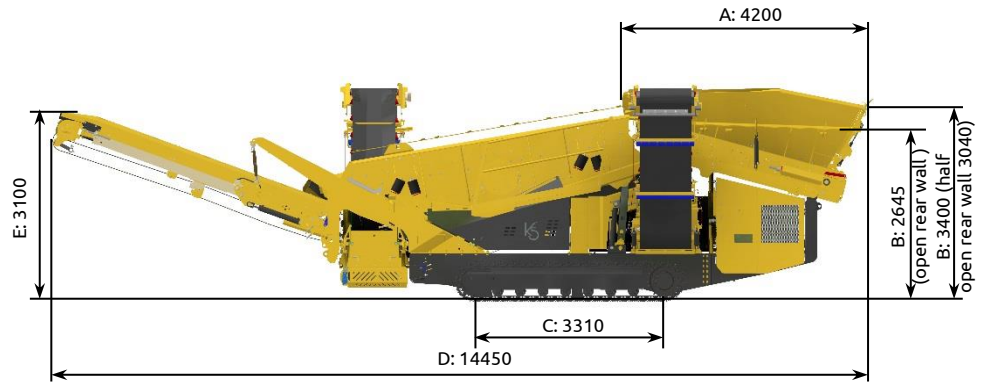
SCALPER K5

3-WAY-SPLIT



DIMENSIONS

OPERATION:

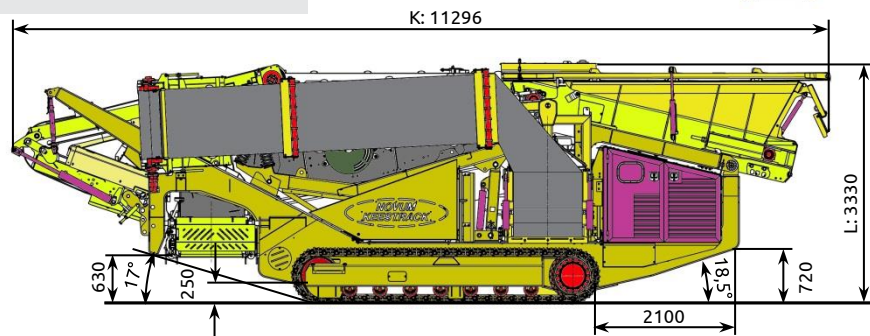


Weight: Approx. 28,5 t (without options)

Weight options:	
Upper deck grizzly screen	+ approx. 900 kg
Hopper wall extension	+ approx. 660 kg
Wear lining hopper	+ approx. 570 kg
Main conveyor SXL	+ approx. 1.000 kg

Transport width (min.) 2.550 mm (8'4")

TRANSPORT:



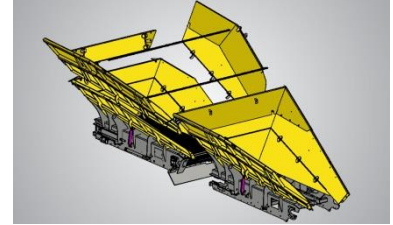
REMARK: All pictures might show options, not included in the scope of supply

A	B	C	D	E	F	G	H	I	J	K	L
4200	3400	3310	14450	3100	4380	14010	2975	2550	3790	11296	3330
13'9"	11'2"	10'10"	47'5"	10'2"	14'4"	46'0"	9'9"	8'4"	12'5"	37'1"	10'11"

TECHNICAL SPECIFICATION

1) FEED HOPPER

- Content	7 m ³ with hopper extension p/n 606342: 9,5 m ³	(9,1 yard ³)
- Design	Wear resistant steel HB 450	
- Feeding height	Min. 2.645 mm	(8'8")
- Feeding width	2.975 mm	(9'9")
- Feeding length lateral	4.200 mm	(13'9")
- Hopper walls	All three hopper walls are folding hydraulic	



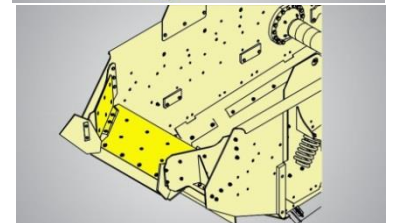
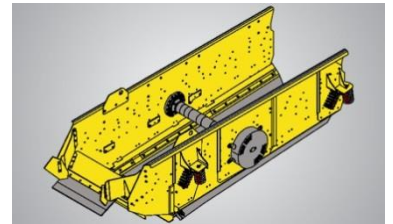
2) PLATE APRON FEEDER

- Model	22 APR 100-00	
- Full adjustable speed	0 - 7,8 m/min	(0 - 20 ft/min)
- Axle distance	3.150 mm	(10'4")
- Plate width	1.120 mm	(3'8")
- Drive	Hydraulic with gearbox 7,5 kW	(10 hp)
- Feed capacity	450 t/h	



3) DOUBLE DECK SCREEN

- Model	22 SCR 100	
- Length x width	5.000 mm x 1.500 mm	(17'x5')
- Effective screen area	Top deck 7,5 m ² (L=5 m) Bottom deck 6,75 m ² (L=4,5 m)	
- Top deck screens	3 + ½ pcs. side tensioned	
- Bottom deck screens	2 pcs. end tensioned	
- Drive	Hydraulic 15 kW	(20 hp)
- Inclinations	The screenbox can be set hydraulically to 3 inclinations (12,1°; 14° and 15,5°)	
- Wear plates	On screen oversize discharge chute	



4) UNDERSCREEN CONVEYOR

- Model	22 USC 100-00-H	
- Length	4.200 mm	(13'9")
- Width	1.200 mm	(3'11")
- Drive	7,5 kW hydraulic motor	(11 hp)
- Rubber belt quality	EP 400/3 4+2 Grade N1	



5) OVERSIZE BELT CONVEYOR

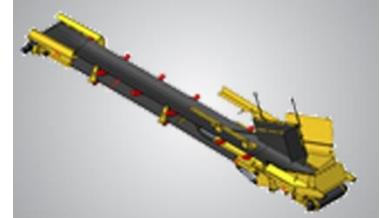
- Model	21 MCL 300-00-H	
- Length	5.000 mm	(16'5")
- Width	1.200 mm	(3'11")
- Drive	Hydraulic 8,3 kW	(11 hp)
- Rubber belt quality	EP 630/4 6+2 Option: p/n 200367 (EP 400/3 4+2 CHEVRON W=740 H=15 mm)	
- Transport	Hydraulically fold-able	
- Stockpile volume	Approx. 90 t ($\gamma=1,7$; 37° angle of repose)	



TECHNICAL SPECIFICATION

6) STOCKPILE BELT CONVEYOR LEFT (FINE FRACTION)

- Model	22 LSL 100-00-H	
- Length	8.350 mm	(27'5")
- Width	900 mm	(2'11")
- Drive	Hydraulic 11 kW	(15 hp)
- Rubber belt quality	EP 400/3 4+2 Grade Y	
- Transport	Hydraulically fold-able	
- Stockpile volume	Approx. 260 t	
(γ=1,7; 37° angle of repose)		



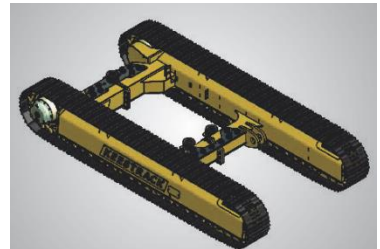
7) STOCKPILE BELT CONVEYOR RIGHT (MIDDLE FRACTION)

- Model	22 RSL 100-00-H	
- Length	8.280 mm	(27'2")
- Width	800 mm	(2'8")
- Drive	Hydraulic 7,5 kW, speed adjustable	(10 hp)
- Rubber belt quality	EP 400/3 3+1,5 Chevron W=500 H=16 mm	
- Transport	Hydraulically fold-able	
- Stockpile volume	Approx. 170 t	
(γ=1,7; 37° angle of repose)		



8) TRACK - UNIT

- Model	21 TRA-400-00	
- Length	3.310 mm	(11'10")
- Width track shoe	400 mm	(1'4")
- Total width	2.500 mm	(8'2")
- 2 speeds	1,3 km/h and 2,2 km/h	(0,8/1,4 mph)
- Drive	Hydraulic piston motor and planetary gears	

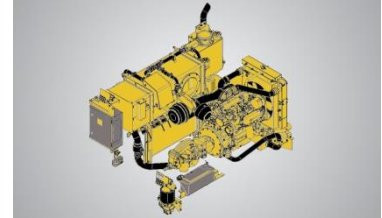


TECHNICAL SPECIFICATION

9) ENGINE UNIT

- Model	22 ENU 100-00	
- Diesel engine type	a) DEUTZ TCD 3.6; L4 b) CATERPILLAR C 4.4 TA; fixed speed c) CATERPILLAR C 4.4	p/n 100834 p/n 103534 p/n 103084
- Emission control	a) Tier 4f; EU STAGE IV; DOC; SCR b) Tier 3; EU STAGE IIIA c) Tier 3; EU STAGE IIIA	
- Power acc. to ISO 14396	a) 74,4 kW at 1.900 R.P.M. b) 85 kW at 1.500 R.P.M.; 98,1 kW at 1.800 R.P.M. c) 76 kW at 1.800 R.P.M.	(101 hp) (115/133 hp) (103 hp)
- Max. torque	a) 410 Nm / 1.600 R.P.M.; b) 546 Nm / 1.500 R.P.M. c) 404 Nm / 1.800 R.P.M.	(302 lb ft) (402 lb ft) (298 lb ft)
- Engine speed	1.800 R.P.M. Low engine speed for low fuel consumption	
- Bore/ Stroke	a) 98 / 120 mm; b + c) 105 / 127 mm	(4,0" x 4,7")
- Displacement	a) 3.600 cm ³ ; b + c) 4.400 cm ³	(219 – 269 cuin)
- Voltage	24 Volt (for improved cold start properties)	
- Battery	64035, 140 Ah-460 A	
- Electrical starter	24 Volt, 3 kW	
- Alternator	28 Volt, 55 A	
- Engine Operation	4-stroke Diesel direct injection turbo-charged	
- Cooling	water-cooled	
- Pushing Fan	550 diameter	
- Air Cleaner	dry type air-cleaner with cyclone pre- cleaner primary and safety elements	
- Fuel tank	330 litres	(87 gal)
- Fuel pre-filter	with water separator	
- Fuel code	according to EN 590	
- Consumption	a) 215 g/kWh/1600 rpm (typical 9-11 l/h)	

Latest technology



ATTENTION

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

TECHNICAL SPECIFICATION - OPTIONS

17) SCREEN FLOW BRAKE p/n 607476

- Application To increase the screening efficiency when screening round shape material, which has bigger size than 200 mm and transferred to fast above the screen.
- Weight 136 kg (290 lb)



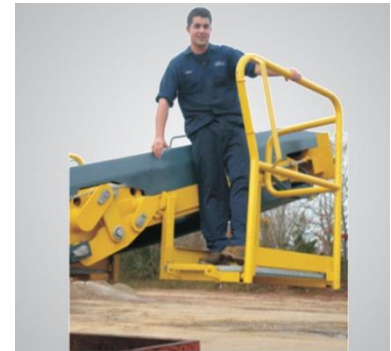
18) FAST TENSIONING SYSTEM FOR SCREENS p/n 701025

- Application For Upper deck
- Function No bolts have to be opened; only wedges are used for screen tensioning
- Weight 14 kg (30 lb)



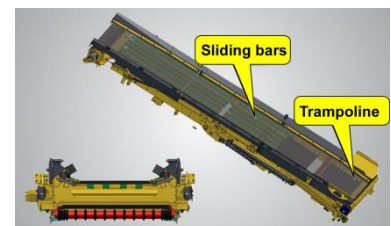
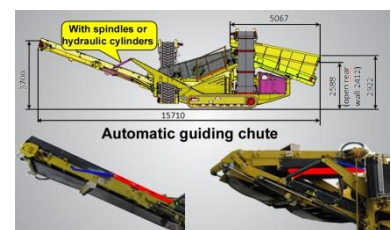
19) PICKING STATION and CHEVRON BELT ON MCL

- Picking station application To take out pieces of wood and plastic from the demolition material
- Available parts
 - p/n 610429: left and right side; 260 kg (570 lb)
 - p/n 610427: right side; 130 kg (285 lb)
 - p/n 610428: left side; 130 kg (285 lb)
 - p/n 615671: preparation for picking station
- Adjustment speed MCL Either on RELYTEC panel or optional radio remote control
- Chevron belt On standard MCL: p/n 602570
On SXL MCL: p/n 201632



20) MAIN CONVEYOR 21 MCL SXL-H p/n 693810

- Length 6.800 mm (+ 1.800 mm)
- MCL angle setting With spindles: p/n 693810; (+ 2.100 lb)
With hydraulic cylinder: p/n 693810+693803
- Operation without RSC MCL can be slide hydraulically under the screen for stockpiling of middle and coarse fraction
- Guiding chute Automatically folding; no disassembly necessary for transport
- Execution Feeding zone with trampoline for damping of the falling material (extended lifetime of rubber belt); sliding bars
- Transport Length: + 1.785 mm (L: +5'9")
Height 3.470 mm (H:11'5")
- Weight + 1.000 kg (+ 2.200 lb)



TECHNICAL SPECIFICATION - OPTIONS

21) Options LSL and USC

TUNGSTEN SCRAPERS

- Application For wet and sticky material
- Available parts
 - p/n 102288: Tungsten scraper LSL + USC
 - p/n 101560: Tungsten scraper LSL
 - p/n 101808: Tungsten scraper USC



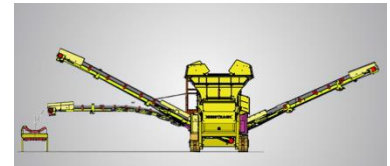
CHEVRON BELT

p/n 200360: CHEVRON belt LSL

22) Options to STANDARD HOPPER

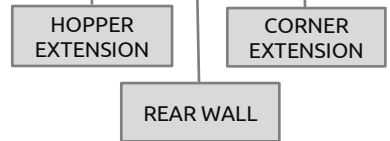
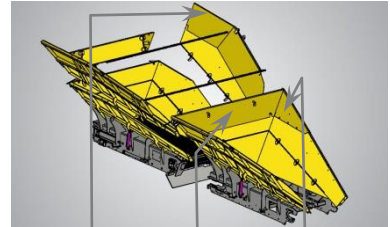
HOPPER EXTENSIONS

- On two sides: H=600 mm; with 2 chains
- Left side p/n: 615925; approx. + 313 kg (+ 690 lb)
- Right side p/n: 615930; approx. + 313 kg (+ 690 lb)



CORNER EXTENSIONS

- On the right side: p/n 615955; + 95 kg (+ 200 lb)
- Remark: with corner extensions and rear wall, On the left side: p/n 694255; + 95 kg (+ 200 lb)
- hopper volume is increased to Rear wall: p/n 615950; + 240 kg (+ 500 lb)
- 8 m³



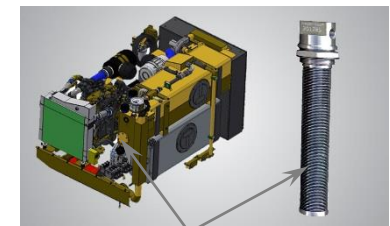
WEAR LINING HOPPER

- Wear lining HB 450; s=8 mm at the bottom p/n 603990; + 280 kg (+ 600 lb)
- Wear lining HB 450; s=8 mm at the top and bottom; p/n 616650; + 600 kg (+ 1.320 lb)

23) HEAT PROBE FOR HYDRAULIC OIL p/n 103614

(this option is only available together with the heating system p/n 203460)

- Type HP 2024-ORB; Turbulated Immersion Heat Exchanger
- Description Multiple immersion tank heaters utilize hot coolant to keep bulk fluids warm
- Order information This heating system is available for the dieseltank and the hydraulic oil tank (order each extra!)
- Insert length 610 mm (24")
- Output at -30° C 3 kW (4 hp)



Heat Probe

24) Option for ENGINE UNIT p/n 203460

HEATING SYSTEM FOR ENGINE

- p/n 203460
- Heating power up to 9,1 kW; (12 hp)
- Fuel consumption 0,19 - 1,1 l/h
- Voltage / Watt 24V; 37-90 W
- Operating temperature -40°C - + 80°C
- Weight 4,8 kg (11 lb)
- Additional Incl. timer for 3 starting times and temperature pre-selection

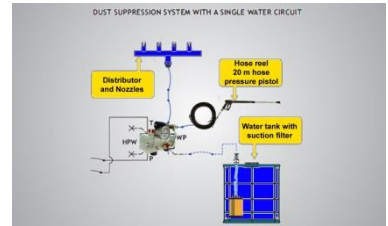


HEATING SYSTEM FOR ENGINE

TECHNICAL SPECIFICATION - OPTIONS

25) DUST SUPPRESSION SYSTEM p/n 611980

- | | | |
|---------------------|---|----------|
| - Systems | a) p/n X109589 low pressure;
b) p/n X109591 high pressure | |
| - Spraying area | Main + left + right side conveyor + screen/APR | (14 hp) |
| - Drive | Hydraulic motor a) 1,1 kW; b) 10 kW | |
| - Water consumption | a) 2 m³/h; b) 0,5-1,5 m³/h | |
| - Pressure | a) 5 bar; b) Max. 200 bar | |
| - Components | 4 ball valves (all 4 spraying points can be opened / closed separately);
18 x nozzles 1,12 l/min; filter to customer's tank;
hose reel with 20 m hose and pressure pistol | |
| - Weight | 283 kg | (623 lb) |



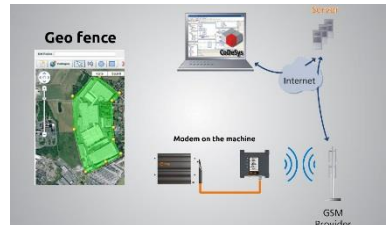
26) CENTRAL GREASING SYSTEM p/n 609687

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



27) 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.

TECHNICAL SPECIFICATION – SCREEN CHOICE

01) TOP DECK

PUNCHED PLATES

(feed size up to 600 mm)

Keestrack punched plates are highly abrasion resistant

p/n	Description
619804	TD CUTTED 28 mm HB 450
619807	TD CUTTED 40 mm HB 450
619808	TD CUTTED 45 mm HB 450
619809	TD CUTTED 50 mm HB 450
619810	TD CUTTED 55 mm HB 450
619811	TD CUTTED 60 mm HB 450
619812	TD CUTTED 65 mm HB 450
619813	TD CUTTED 70 mm HB 450
619814	TD CUTTED 75 mm HB 450
619815	TD CUTTED 80 mm HB 450
619817	TD CUTTED 90 mm HB 450
619818	TD CUTTED 100 mm HB 450
619819	TD CUTTED 110 mm HB 450
619821	TD CUTTED 125 mm HB 450
619822	TD CUTTED 130 mm HB 450
619823	TD CUTTED 135 mm HB 450
619824	TD CUTTED 140 mm HB 450
619825	TD CUTTED 150 mm HB 450



WELDED WIRE MESH

p/n	Description (set 3)
619829	TD WELDED 32 x 32 x 10 mm
619831	TD WELDED 40 x 40 x 10 mm
619832	TD WELDED 45 x 45 x 10 mm
619833	TD WELDED 50 x 50 x 10 mm
619835	TD WELDED 55 x 55 x 12 mm
619839	TD WELDED 75 x 75 x 12 mm
619840	TD WELDED 80 x 80 x 12 mm
619844	TD WELDED 100 x 100 x 12 mm



WOVEN WIRE MESH

p/n	Description
619848	TD MESH 10 x 10 x 2,5 mm
619850	TD MESH 16 x 16 x 3 mm
619851	TD MESH 18 x 18 x 4 mm
619852	TD MESH 20 x 20 x 4 mm
619853	TD MESH 25 x 25 x 5 mm
619855	TD MESH 30 x 30 x 5 mm
619856	TD MESH 32 x 32 x 5 mm
619857	TD MESH 35 x 35 x 7 mm
619858	TD MESH 40 x 40 x 7 mm
619859	TD MESH 45 x 45 x 8 mm
619860	TD MESH 50 x 50 x 8 mm
619861	TD MESH 50 x 50 x 10 mm
619862	TD MESH 55 x 55 x 8 mm
619864	TD MESH 60 x 60 x 10 mm
619865	TD MESH 65 x 65 x 10 mm
619866	TD MESH 70 x 70 x 10 mm
619867	TD MESH 75 x 75 x 9 mm
619868	TD MESH 80 x 80 x 10 mm



TECHNICAL SPECIFICATION – SCREEN CHOICE

01) TOP DECK

FINGER SCREENS

Finger dimensions $\varnothing 36 / \varnothing 17 \text{ mm} - 800 \text{ mm}$

REMARK:

Finger openings average [mm]; forged fingers; deviations are possible; measuring of opening is in the beginning of the second third of the length of the finger.

p/n	mm	Inch
617830	45	1 3/4"
617840	75	3"



TECHNICAL SPECIFICATION – SCREEN CHOICE

02) BOTTOM DECK

FINGER SCREENS

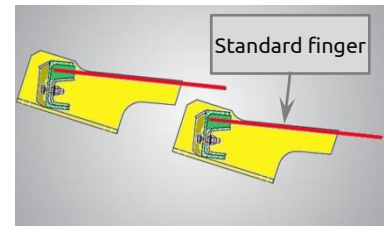
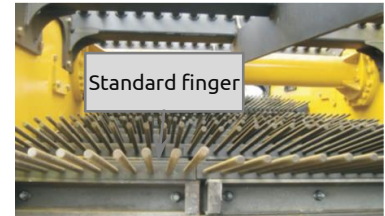
Finger dimensions

REMARK:

Finger openings average [mm]; forged fingers; deviations are possible; measuring of opening is in the beginning of the second third of the length of the finger.

Standard: Steel finger embedded in PU

p/n	mm	Inch	Type
617950	40	1 ¾"	Standard



WOVEN WIRE MESH

Remark:

Each 2 pcs. of p/nL are required for one set

p/n	Description
202229L	BD MESH 3 x 3 x 2 mm
202230L	BD MESH 6 x 6 x 2 mm
202105L	BD MESH 8 x 8 x 2,5 mm
202106L	BD MESH 10 x 10 x 2,5 mm
202107L	BD MESH 12 x 12 x 3 mm
202108L	BD MESH 15 x 15 x 3 mm
202153L	BD MESH 18 x 18 x 4 mm
202109L	BD MESH 20 x 20 x 4 mm
202225L	BD MESH 22 x 22 x 4 mm
202110L	BD MESH 25 x 25 x 5 mm
202111L	BD MESH 30 x 30 x 5 mm
202518L	BD MESH 32 x 32 x 6 mm
202155L	BD MESH 35 x 35 x 7 mm
202112L	BD MESH 40 x 40 x 8 mm
202379L	BD MESH 45 x 45 x 8 mm
202113L	BD MESH 50 x 50 x 8 mm
202255L	BD MESH 55 x 55 x 8 mm
202187L	BD MESH 60 x 60 x 10 mm
202397L	BD MESH 65 x 65 x 9 mm
202398L	BD MESH 70 x 70 x 9 mm
202399L	BD MESH 75 x 75 x 9 mm



ELONGATED HARP SCREEN

Advantages:

- high percentage of open screening area
- less danger of clogging

Remark:

Each 2 pcs. of p/nL are required for one set

p/n	Description
202400L	BD HARP 4 x 200 x 1,6 mm
202214L	BD HARP 5 x 130 x 2 mm
202094L	BD HARP 6 x 200 x 2 mm
202092L	BD HARP 8 x 130 x 2 mm
202095L	BD HARP 8 x 200 x 2 mm
202096L	BD HARP 10 x 200 x 2,5 mm
202097L	BD HARP 12 x 200 x 3 mm
202098L	BD HARP 15 x 200 x 3 mm
202135L	BD HARP 20 x 200 x 4 mm
202100L	BD HARP 25 x 200 x 4 mm
202101L	BD HARP 30 x 200 x 5 mm
202102L	BD HARP 40 x 200 x 5 mm
202103L	BD HARP 50 x 200 x 6 mm



SERPA DIAMOND

202262L	BD HARP-SERPA 10 x 200 x 3 mm
202263L	BD HARP-SERPA 12 x 200 x 3 mm
202182L	BD HARP-SERPA 15 x 200 x 3 mm

SERPA = DIAMOND