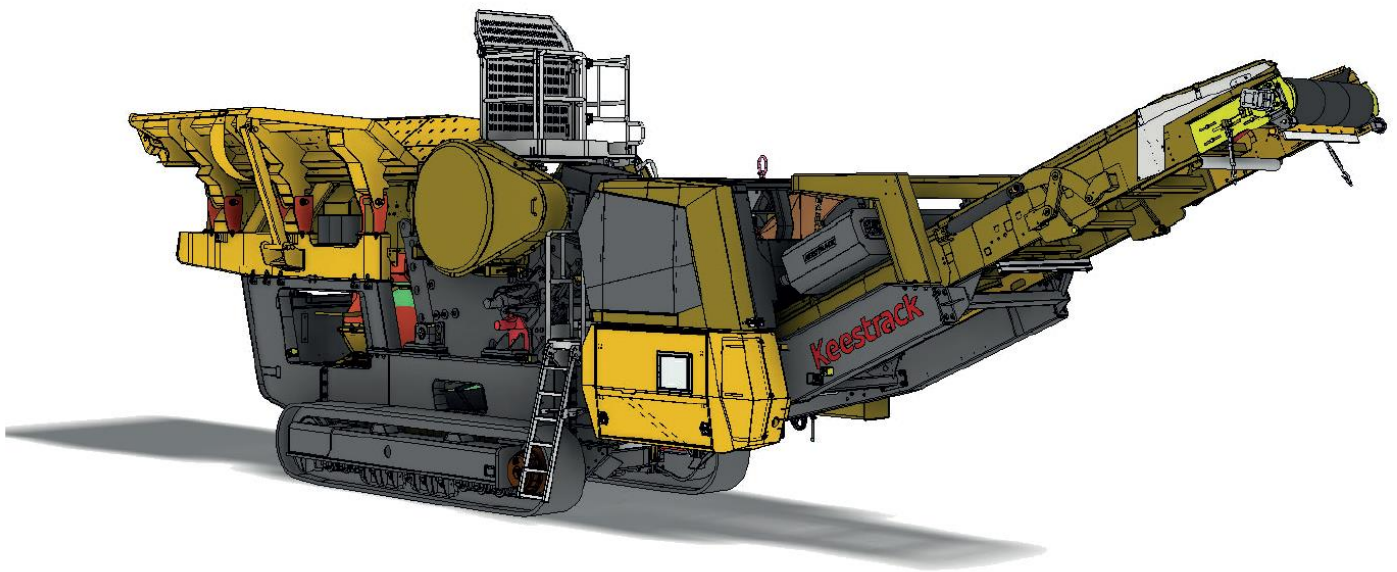
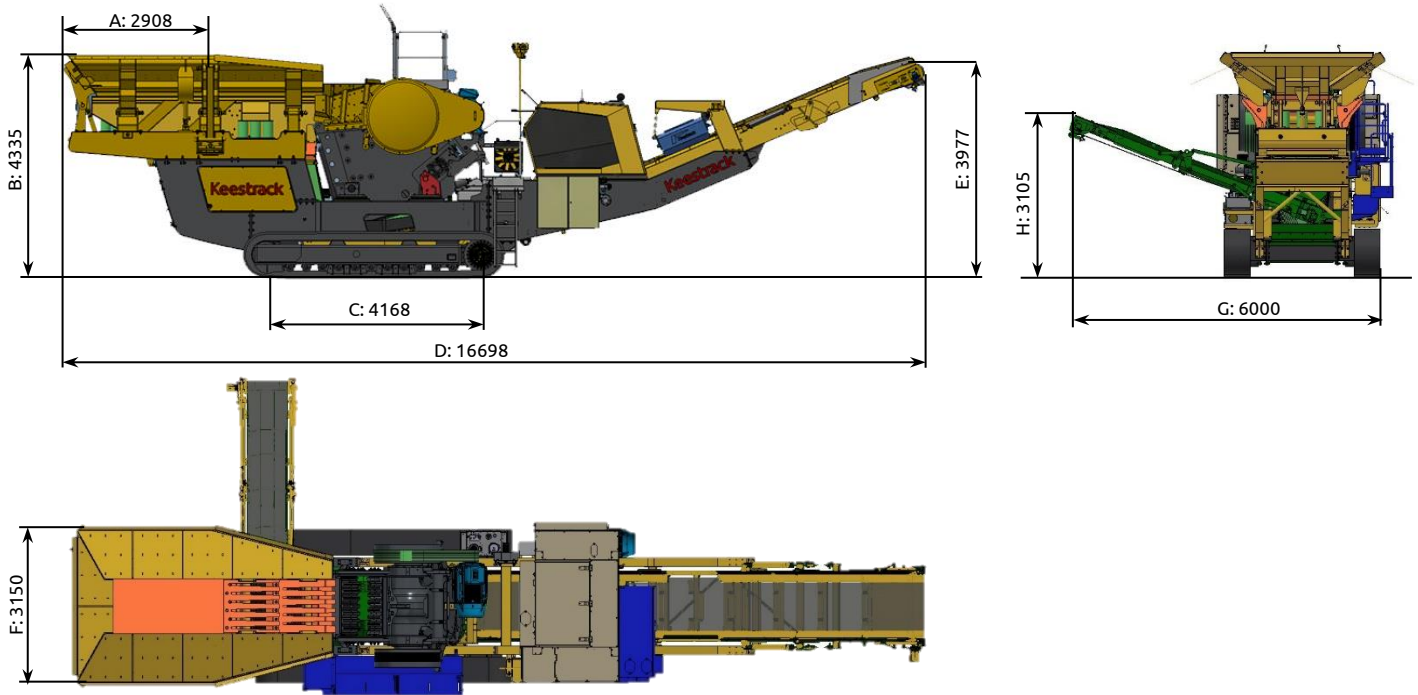


JAW CRUSHER B7



DIMENSIONS

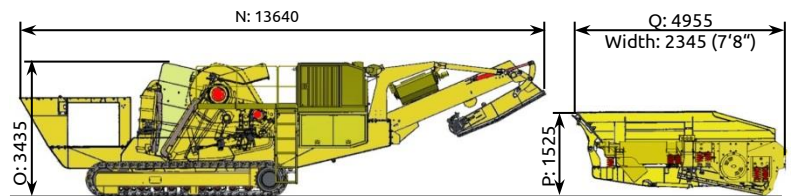
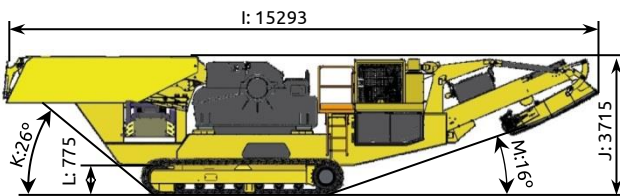
OPERATION:



TRANSPORT:

a) all in one

b) split – Dimensions



Weight: approx. 70 t (without options)

Weight options:
 Conveyor pre-screening 1.120 kg
 Magnetic separator 1.500 kg

Transport width 3.130 mm (10'3")
 Transport weight feeding unit Approx. 7.600 kg
 Transport weight w/o feeder Approx. 62.400 kg

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

A	B	C	D	E	F	G
2908	4335	4168	16698	3977	3150	6000
9'7"	14'3"	13'8"	54'9"	13'1"	10'4"	19'8"
H	I	J	N	O	P	Q
3105	15293	3715	13640	3435	1525	4955
10'2"	50'2"	12'2"	44'9"	11'3"	5'0"	16'3"

TECHNICAL SPECIFICATION

1) FEED HOPPER

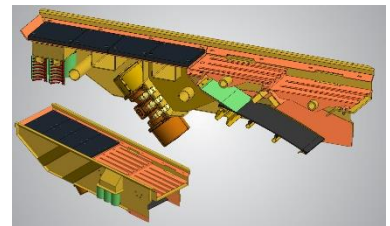
- Content	6 m ³	(7,8 yard ³)
- Design	Wear resistant steel HB 450; wear lining s=8 mm	
- Feeding height	4.335 mm	(14'3")
- Feeding width	3.150 mm	(10'4")
- Feeding length	2.908 mm (4.940 mm)	(9'7" - 16'2")
- Hopper walls	Hydraulic locking for operation Hydraulically fold-able for transport	

Hydraulic locking



2) VIBRATING FEEDER with SCALPER

- Total length	4.500 mm	(14'9")
- Width	1.080 mm	(3'7")
- Length grizzly with step	1.100 + 1.100 = 2.200 mm	(3'7" + 3'7" = 7'3")
- TD Grizzly bars	Gap standard 40/90 mm;	
- Bottom deck	Wire mesh, end tensioned; L= 1.450 mm; W=870 mm	(4'9"; 2'10")
- Pre-screening chute	Upper part: swivel able with hydraulic cylinder for ease of service Middle part: turn able for bypass or stockpile Lower part: made of rubber	
- Drive	Hydraulic motor 12,75 kW; Adjustable 700 – 1.000 R.P.M.	(17 hp)



3) JAW CRUSHER

- Model	with hydraulic management (gap adjustment)	
- Feed opening	1200 x 830 mm	(47" x 32,7")
- Outlet adjustment	C.S.S. min. - max. 75 - 250 mm	(3" - 10")
- Throughput (*)	See page 10 the throughput is variable according to feeding material and jaw crusher setting	
- Feed size	0/700 mm	(<28")
- Stroke swing jaw	32 mm	
- Weight of jaw crusher	28 ton	(31 st)
- Plate height fixed jaw	Toothed static jaw 1.700 mm; Material: 18Mn2Cr	(5'7")
- Plate height movable jaw	Toothed swing jaw 1.700 mm; Material: 18Mn2Cr	(5'7")
- Flywheel diameter	1.300 mm	(4'3")
- Crusher drive	Hydraulic motor 227 kW	(308 hp)



4) MAIN BELT CONVEYOR, for transport hydraulic folding

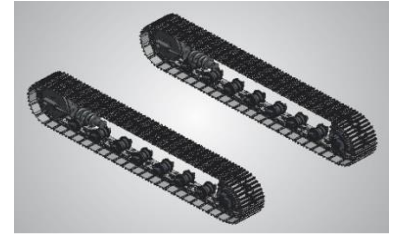
- Discharge height	3.977 mm	(13'1")
- Stockpile volume	Approx. 230 t; $\gamma=1,7$; 37° angle of repose	
- Length AD	12.300 mm	(40'4")
- Width BW	1.200 mm	(3'11")
- Belt speed	1,6 m/s	
- Belt	RIP STOP EP500/3-5+2; Metal shield in the top cover for increased belt service life under hard working conditions	
- Discharge to belt	heavy duty garlands for discharge from crusher to main belt conveyor	
- Inclination	8 (feeding) - 23° (discharge section)	
- Drive	Hydraulic motor 14 kW	(19 hp)
- For Transport	Hydraulically foldable	



TECHNICAL SPECIFICATION

5) TRACK - UNIT

- Length	4.168 mm	(13'8")
- Width track shoe	500 mm	(1'8")
- Total width	3.000 mm	(9'10")
- 2 speeds	1,1 km/h and 2 km/h	(0,7 / 1,2 mph)

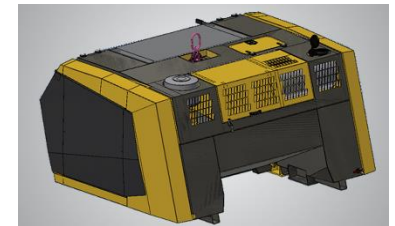


6) ENGINE UNIT

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

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

Drive	Diesel / Electric	
- Diesel Motor, Type	CUMMINS L9 (EU + US) - (s)	p/n P100236
- Emission control	Tier 4f; EU STAGE V; DOC / SCR / DPF	
- Power ISO 14396	251 kW @ 1.500 R.P.M.; 283 kW @ 1.800 R.P.M.	(341 / 385 hp)
- Max. torque	1.795 Nm @ 1.400 R.P.M.	(1.324 lb ft)
- Engine operating speed	1.500 R.P.M. for low noise emission	
- Bore hole/stroke	114 x 145 mm	
- Combustion chamber	8.900 cm ³	(543 cu in)
- Voltage	24 Volt (for improved cold start properties)	
- Cooling	Water cooled	
- Fuel	Tank 500 Litres; fuel code acc. to EN 590	(132 gal)
- Air filter	Cyclone pre filter – dual stage fine filter	
- Drive crusher	Engine → hydraulic pump → hydraulic motor → V-belt drive for crusher drive	(218 hp)
- Hydraulic oil tank	120 Litres	(32 gal)



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

7) CONTROL

- Type PLC – IP 67; dust and vibration proof
- Display LCD colour screen 4,3"
- Operation Control panel with RELYTEC II panel

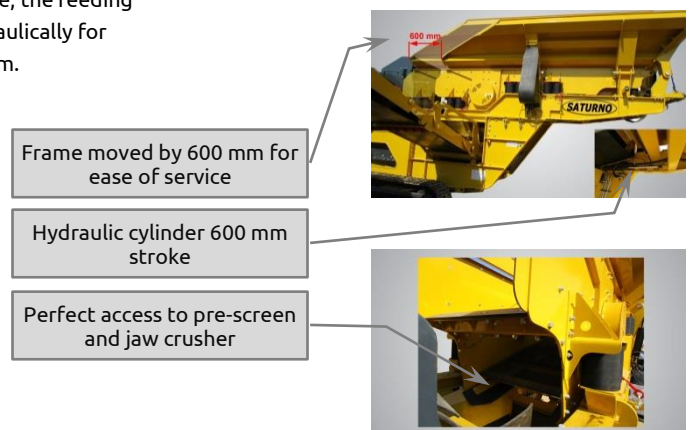
- Controller Wired hand remote controller; or optional Radio remote controller (see option list)

- Level sensor hydraulic Included; with low level protection
- 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 crusher Included
- Drive for fan 0,07 kW



8) FRAME

- Ease of service To obtain good and easy maintenance, the feeding and scalping unit can be moved hydraulically for allowing an access opening of 600 mm.



(*) The throughput is based on crushing dry limestone with appropriate size, having bulk density of 1,6/m³ and 200 MPa compressive strength. Bulk waste material will tend to change considerably the output in relation to his conditioning, size and quantity of metallic components contained.

N.B.: Availability of chosen variants and options must always be checked up

(**) The fuel consumption depends on the feed material, machine setting, condition of wear parts, ...

TECHNICAL SPECIFICATION - OPTIONS

9) DUST SUPPRESSION SYSTEM p/n 166018

- Type	CA 91 A	
- Drive	Hydraulic motor 1,1 kW	(1,5 hp)
- Water consumption	Max. 0,75 m ³ /h	
- Spraying areas	Crusher outlet and middle (optional end) of main conveyor	
- Nozzles	5 + 5, Hole 1,1 mm; 1,2 l/min at 3 bar	



10) MAGNETIC SEPARATOR p/n 166015

- Type	Ferrit SMB 75 - 120	
- Belt width	800 mm	(2'8")
- Belt length (AD)	1.960 mm	(6'5")
- Magnet L x W	1.200 x 750 mm	(3'11" x 2'6")
- Magnetic power	600 GAUSS at 200 mm; 470 GAUSS at 250 mm	
- Drive	Hydraulic motor 4 kW	(5,5 hp)
- Speed	2,02 m/s	
- Weight	1.500 kg	(3.307 lb)



11) RADIO REMOTE CONTROL p/n 100374

- Order no.	Remote	100374
	Sticker	100379
- Functions	<ul style="list-style-type: none"> - Tracks forwards / backwards 2 speeds - Vibrating feeder start / stop and + / - (prop.) - Crusher gap open / close (C.S.S.) - MCL start / stop - Magnetic separator on / off - Automatic start / stop - Machine stop button (blue) 	



12) SIDE BELT CONVEYOR FOR PRE-SCREEN p/n 164021

- Type	LSC	
- Length AD	5.000 mm	(16'5")
- Width BW	800 mm	(2'8")
- Discharge height	3.100 mm	(10'2")
- Belt speed	1,15 m/s	
- Inclination	22°	
- Drive	Hydraulic motor 4 kW	(5,5 hp)
- Stockpile volume	Approx. 100 t (y=1,7; 37°)	
- For transport	Hydraulically fold-able for transport	
- Weight	1.460 kg with bypass and hopper	(3.200 lb)



TECHNICAL SPECIFICATION - OPTIONS

13) FUEL FILLING PUMP p/n 701030

- Weight	10 kg	(22 lb)
- Model	F 80-24-1"; with automatic filling stop	
- 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	



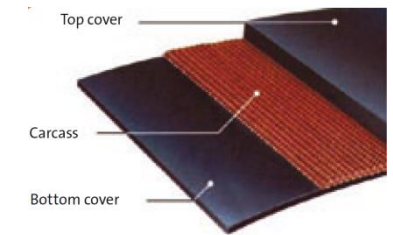
14) CENTRAL GREASING SYSTEM p/n 166017

- Type	Central greasing , 24 Volt DC	
- Remark	with adjustable lubrication intervals	
- Grease	EP lithium	
- Weight	6 kg	(13 lb)



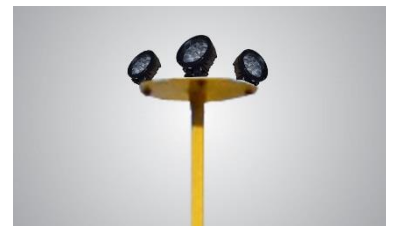
15) MCL KT FLEX BELT p/n 166046

- Type	KT-Flex 630/1; GRADE RS
- Advantages	- Superior impact resistance comparable to that of a 4-ply EP belt type 1600/4. - Superior rip resistance four times greater superior tear resistance.



16) WORKING LIGHTS

	p/n 701006	
- Tower with 4 lamps	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)



17) HEATING SYSTEM FOR ENGINE 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	(+ 11 lb)
- Additional	Incl. timer for 3 starting times and temperature pre-selection	

HEATING SYSTEM FOR ENGINE



TECHNICAL SPECIFICATION - OPTIONS

18) BELT SCALE

- | | |
|---|---|
| <ul style="list-style-type: none"> - System - Calibration - Sensors
 - Belt speed - Data transfer | <p>Volumetric recording p/n 102869</p> <p>Only one time and only takes a few seconds.</p> <p>The Sensor operates without any contact to the material and therefore has no wear.</p> <p>It is insensitive against dust and vibrations.</p> <p>The belt speed is measured using an inductive switch mounted on the drive drum.</p> <p>Wireless data transmission via blue tooth to a handheld PDA with various operation functions:</p> <ul style="list-style-type: none"> - client - date/time - operator - location - material - print options - connection to lap/desktop using a USB cable <p>Charger unit that allows both 12/24 V charging</p> <p>Integrated thermal printer</p> <p>Protective carry case</p> |
|---|---|



- | | |
|---|--|
| <ul style="list-style-type: none"> - System - Display
 - Components | <p>Weight recording p/n 101774</p> <p>Feed capacity summary, daily feed capacity, actual capacity, belt speed</p> <p>Roller station for weight take-up</p> <p>Speed take-up station</p> <p>Display with electronic unit</p> |
|---|--|



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

- | | |
|---|---|
| <ul style="list-style-type: none"> - Functions | <ul style="list-style-type: none"> - WEB portal: position of the machine can be displayed on Google Maps; a geo-fence can be generated. <p>FOR DEALER ONLY:</p> <ul style="list-style-type: none"> - Real time access to Diesel engine, parameters of components and alarms. - SIM Card integrated, for 1 year free of charge |
|---|---|



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.

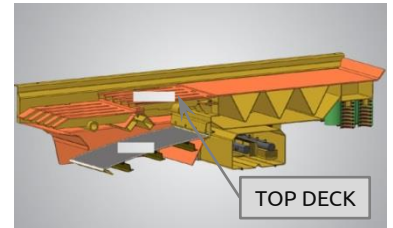
The Buyer explicitly acknowledges that this information is provided free of charge to KEESTRACK for the delivery of services offered by KEESTRACK and to adapt or improve its services and/or products.

TECHNICAL SPECIFICATION – SCREEN CHOICE

20) SCREENS for TOP DECK of VIBRATINGFEEDER with SCALPER

Grizzly bars

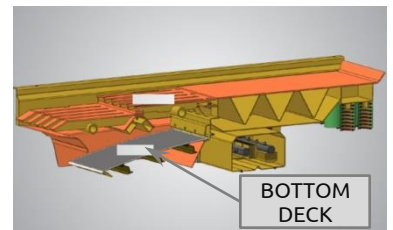
p/n	opening	Hard-ness
802639	40 / 90 mm	HB 450



21) SCREENS for BOTTOM DECK of VIBRATINGFEEDER with SCALPER

Square mesh, end tensioned

p/n	Dimension	Thickness [mm]	Hard-ness
108007	25 x 25 mm	5	HB 450
108026	35 x 35 mm	7	HB 450

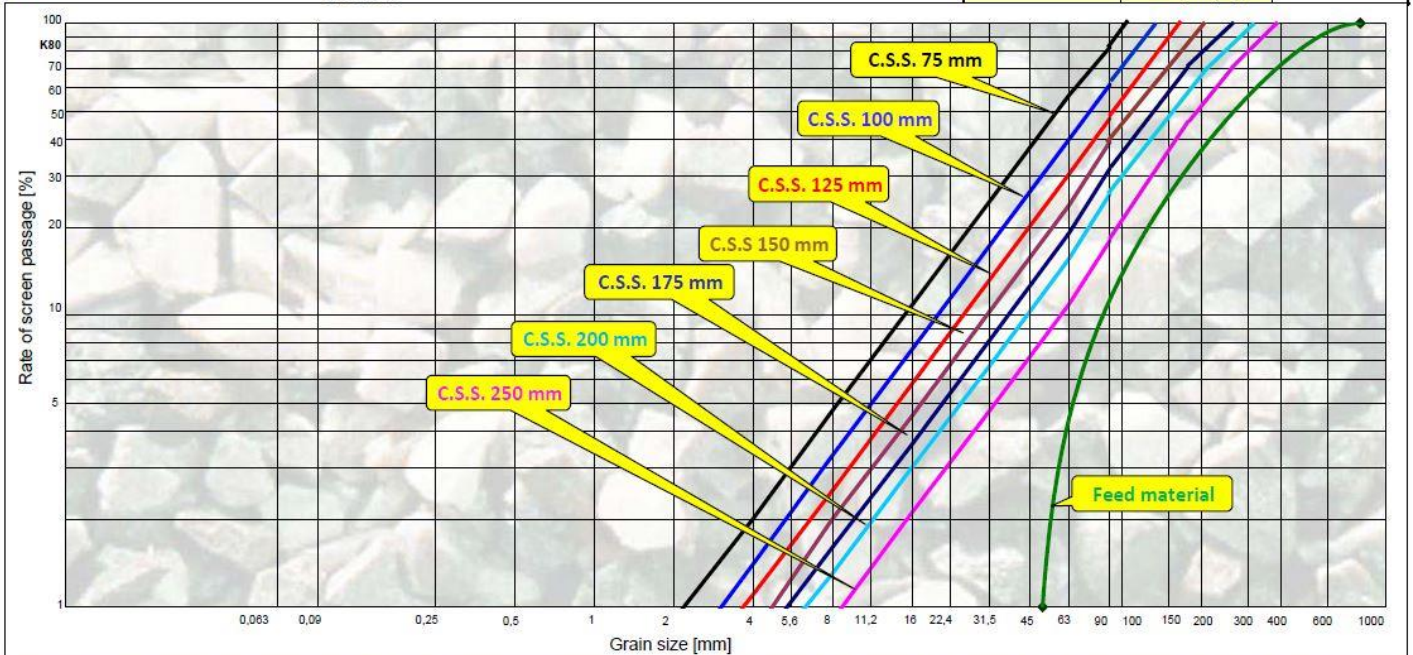


INDICATIVE PRODUCT GRADATION AT CRUSHING GAP (C.S.S.):

Screening analysis

Feed material	Granite	
Feed size	50	800
Feed capacity		
Crusher Type	JAW CRUSHER	
	Humidity (%)	Weight (humid)
		Weight (dry)

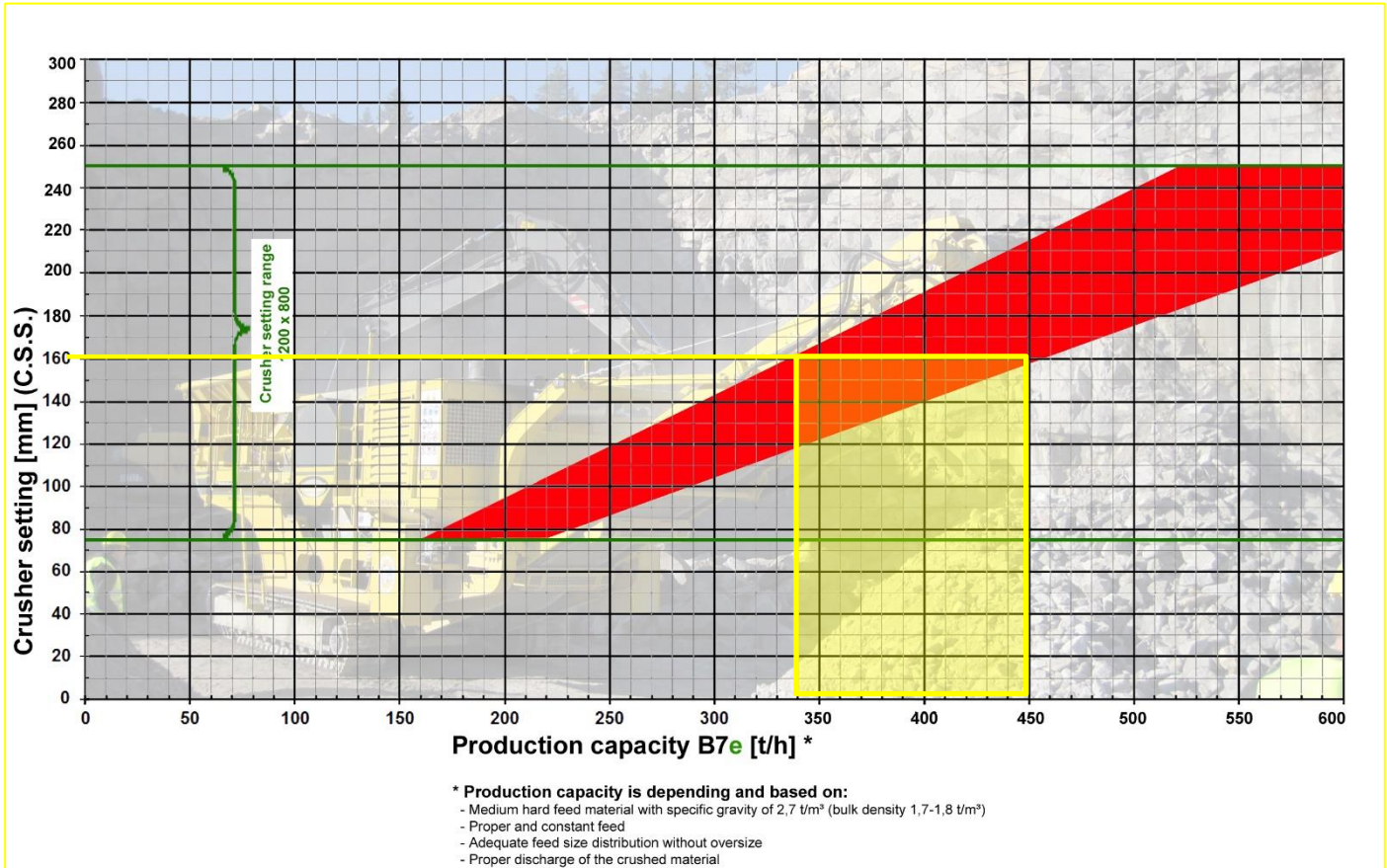
Title: INDICATIVE PRODUCT GRADATION AT CRUSHING GAP (C.S.S.):
Date: 07.03.2018



Cumulated percentage	Grain size [mm]																Legend
	0,25	0,5	1	2	4	8	16	31,5	63	90	150	250	400	600	800	1000	
Screen size																	
C.S.S. 75 mm	0,1	0,2	0,4	0,9	2,0	4,7	10,8	24,5	100,0	82,7							
Screen size																	
C.S.S. 100 mm	0,1	0,3	1	2	4	8	16	31,5	63	90							
Screen size																	
C.S.S. 125 mm	0,1	0,5	1	2	4	8	16	31,5	63	90							
Screen size																	
C.S.S. 150 mm	0,1	0,2	0,4	0,8	2,0	4,5	10,3	23,8	39,2	63	90						
Screen size																	
C.S.S. 175 mm	0,1	0,3	0,7	1,6	3,6	8,2	19,1	31,8	63	90							
Screen size																	
C.S.S. 200 mm	0,1	0,2	0,6	1,4	3,3	7,7	18,8	39,6	63	90							
Screen size																	
C.S.S. 250 mm	0,1	0,3	0,4	0,9	2,1	4,7	10,9	18,0									

JAW CRUSHERS

INDICATIVE PRODUCTION CAPACITY:



EXAMPLE: Feed material is granite ($W_i=16$). If the crusher is set to a C.S.S. of 160 mm, the max. production will be between 340 and 450 t/h. Considering the bulk weight of the material of 1,7 t/m³ (see TECHNICAL INFO Page 3), the production capacity will be between $340 / 1,7 = 200$ m³/h and $450 / 1,7 = 265$ m³/h. For Granite ($W_i=16$), the production will be in the middle range = approx. 395 t/h.

The actual production depends on the material. If the Work Index W_i (see also TECHNICAL INFO Page 3) is low (10-14), the production will be on the higher range. If W_i is medium (14-18), the production will be in the middle range. If W_i is high (18-22), the production will be in the lower range.

WORK INDEX (W_i)	CRUSHABILITY
<10	very soft
10-14.	soft
14-19	medium
18-22	hard
>22	very hard