



CRUSHING & SCREENING SOLUTIONS

A complete range of Crushing & Screening Plants & Equipment - brought to you by TIL

- The Astec advantage now in India with latest technology and proven performance
- TIL's trusted reputation and market expertise of over seven decades as one of India's leading infra equipment manufacturers
- High performance products - rugged and versatile to meet every challenge - coupled with ready parts and unmatched customer support
- Choice and flexibility to achieve maximum return on equipment investment

Crushing & Screening Stationary Plant Solutions

Crushing & Screening Wheel Mounted Solutions

Crushing & Screening Track Mounted Solutions

Unit Equipment - Feeders, Crushers, Screens

High Frequency Screens



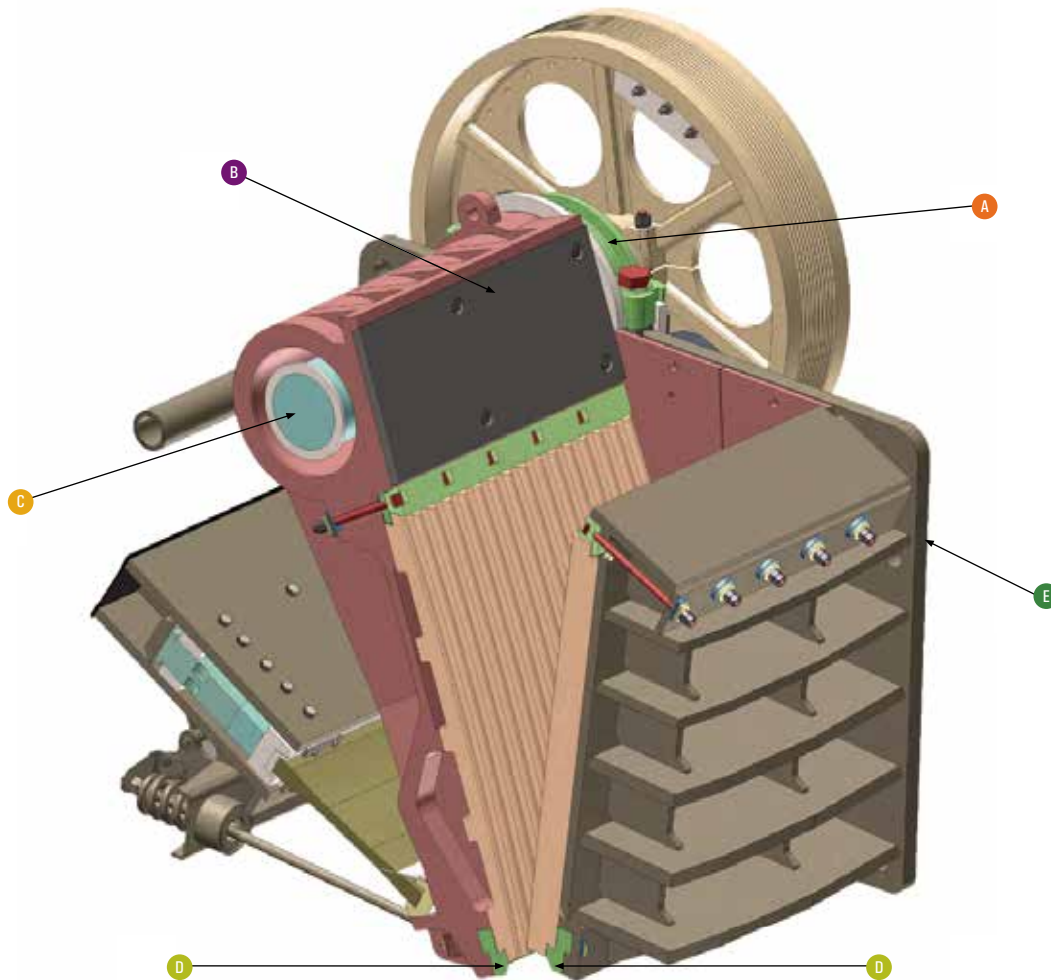


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The models covered in this document do not constitute exhaustive range offered by AAMG-TIL. Higher capacity and customized models are available on request.

JAW CRUSHER - VANGUARD PLUS



A SPHERICAL SELF-ALIGNING BEARING

Heavy-duty roller bearings self-align to absorb the flex of the eccentric shaft and withstand both side thrust and heavy radial loads without the use of special side-retaining mechanisms. This design assures greater reliability for both shaft and bearing performance.



B REPLACEABLE BARREL PROTECTOR

Designed to protect the barrel of the pitman assembly from costly material wear, the barrel protector simply bolts into place for quick and easy change-outs.



C EXCLUSIVE BEARING MOUNTING

Features common flinger collars, which allow for close spacing between side bearings and eccentric shaft bearings, thus minimizing shaft-bending forces. Provides maximum strength to the pitman shaft and bearings for extended service life.



D REPLACEABLE JAW RETENTION TIPS

Replaceable jaw die seat tips protect the jaw base and pitman from wear. Increases uptime and decreases overhead by guarding against costly repairs associated with the pitman, seat and base assemblies.



E BASE CONSTRUCTION

The heavy-duty, single-side base construction is welded, stress relieved and machined for true alignment and a long-service life. Three-piece, side-base wear liner design allows for individual replacement of wear liners.



JAW CRUSHER - SPECIFICATION & PERFORMANCE

Brand	Model	Size of feed opening (mm)	CSS Range (mm)	Recommended Crusher (rpm)	Motor Power kW (HP)	Weight (kg)
Telsmith	H2550	635 x 1270	63 - 152	250	110 (150)	16,148
	H3244	813 x 1118	76 - 178	260	110 (150)	19,097
	H3450	864 x 1270	100 - 200	260	150 (200)	27,825
	5060 IG	1270x 1524	150 - 355	225	250 (350)	86,300
KPI-JCI	V2650	660 x 1270	64 - 127	260	110 (150)	14,528
	V3055	762 x 1397	76 - 178	250	150 (200)	22,680
	V3144	787 x 1118	76 - 178	260	110 (150)	20,194
	V3552	889 x 1321	89 - 178	260	150 (200)	29,529
	V4450	1118 x 1270	102 - 228	225	187 (250)	48,080

APPROXIMATE CRUSHER CAPACITIES (MTPH)

Brand	Crusher Model	CRUSHER CLOSE SIDE SETTING											
		2 ½" (63mm)	3" (76mm)	3 ½" (90mm)	4" (100mm)	5" (125mm)	6" (150mm)	7" (175mm)	8" (200mm)	9" (229mm)	10" (254mm)	12" (305mm)	14" (356mm)
Telsmith	H2550	145 - 236	163 - 268	181 - 290	200 - 327	227 - 367	268 - 440						
	H3244		159 - 240	172 - 259	186 - 304	218 - 327	259 - 386	295 - 481					
	H3450				273 - 400	300 - 450	335 - 520	370 - 575	410 - 620				
	5060 IG						498 - 714	518 - 773	568 - 855	618 - 923	677 - 1018	841 - 1145	968 - 1273
KPI-JCI	V2650	142 - 186	162 - 213	181 - 239	202 - 266	243 - 320							
	V3055		227 - 298	257 - 338	285 - 376	343 - 453	402 - 530	452 - 594					
	V3144		182 - 240	207 - 272	230 - 303	276 - 363	321 - 423	367 - 483					
	V3552			275-362	311 - 410	359 - 473	419 - 551	478 - 629					
	V4450				365 - 480	424 - 558	494 - 651	563 - 742	633 - 834	703 - 925			

- Higher capacity models available on request

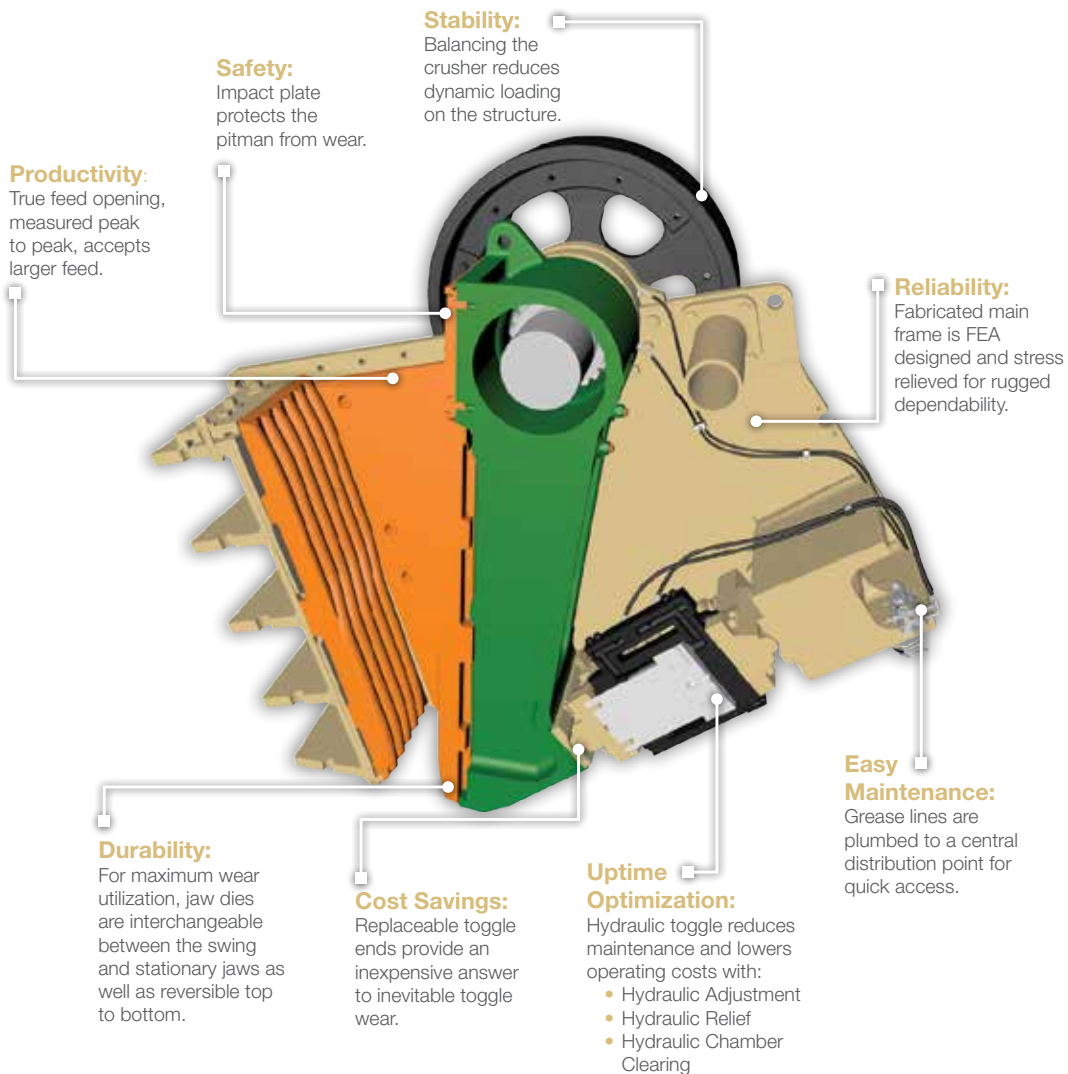
SCREEN ANALYSIS OF PRODUCT FROM TELSMITH JAW CRUSHER (OPEN CIRCUIT)

Sieve Designation Standard													Sieve Designation Standard	
US	mm	2-1/2"	3"	3-1/2"	4"	5"	6"	7"	8"	10"	12"	14"	US	mm
21"	533.0											100	21"	533.0
18"	457				(% Passing)						98	91	18"	457
16"	406.0									100	92	84	16"	406.0
14"	356.0									93	85	74	14"	356.0
12"	305.0								95	85	73	64	12"	305.0
10"	254.0						100	97	85	70	60	51	10"	254.0
8"	200.0					98	91	85	70	56	46	39	8"	200.0
7"	175.0				100	91	81	76	60	49	40	32	7"	175.0
6"	150.0			100	92	81	71	65	50	40	33	27	6"	150.0
5"	125.0	100	100	95	80	69	60	51	40	31	26	21	5"	125.0
4"	100.0	96	89	82	66	55	46	39	30	22	19	16	4"	100.0
3"	75.0	82	72	62	49	39	32	27	20	17	15	12	3"	75.0
2"	50.0	55	47	41	28	23	20	17	14	11	10	8	2"	50.0
1½"	37.5	39	33	28	21	17	15	12	10	9	7	6	1½"	37.5
1¼"	31.5	33	29	24	17	14	12	10	8	7	6	5	1¼"	31.5
1"	25.0	25	24	18	14	11	10	7	7	6	5	4	1"	25.0
¾"	19.0	18	18	14	11	9	7	5	5	4	4	3	¾"	19.0
½"	12.5	12	12	10	7	6	5	3	3	2	2	2	½"	12.5
⅜"	9.5	9	9	8	4	4	3	2	2	1	1	1	⅜"	9.5
4M	4.75	5	5	5	2	2	1	1	1				4M	4.75
8M	2.36	3	3	3	1	1							8M	2.36

Note: Capacities are approximate total throughput based on an average material having a bulk density of 1600 kg/m³. Throughput capacity will vary depending on the type of material, feed gradation, moisture content, feed method and other site specific operating conditions.

JAW CRUSHER - HYDRA JAW

The Telsmith HYDRA JAW models combine a century of experience with the most advanced jaw crusher technology available today. The result is a reliable, highly productive line of jaw crushers that are safe to operate, easy to maintain and deliver greater uptime availability.



GRIZZLY FEEDER



GRIZZLY FEEDER

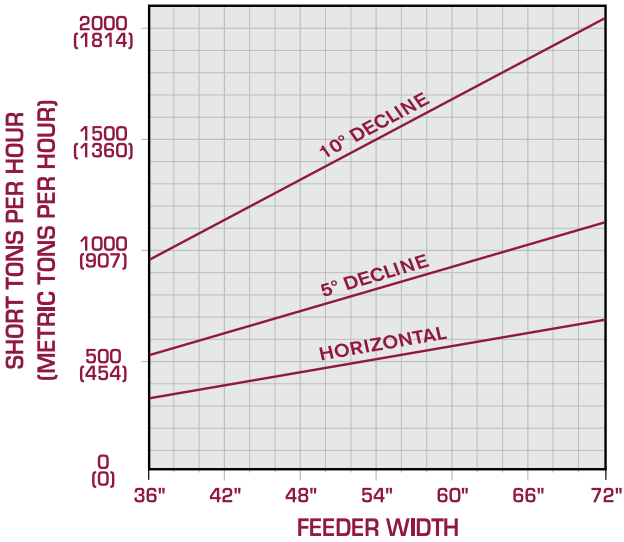
Vibrating Grizzly Feeders						
	Width x Length Inch (mm)	Grizzly Selection	Grizzly Bar Length	Weight		Electric motor kW (HP)
				Lbs	Kgs	
Telsmith	48"x16' (1220 x 4877)	6' Straight	1 @ 6'	11,800	5,352	22 (30)
Telsmith	48"x20' (1220 x 6096)	8' Step	2 @ 4'	16,800	7,620	30 (40)
Telsmith	60"x24' (1524 x 7315)	10' Step	2 @ 5'	32,500	14,742	45 (60)
Telsmith	72"x26' (1830 x 7925)	9' Step	2 @ 4.5'	41,250	18,711	90 (125)
KPI/JCI	50"x15' (1270 x 4572)	5' Step	2 @ 2.5'	8,750	3,971	22 (30)
KPI/JCI	50"x18' (1270 x 5486)	5' Step	2 @ 2.5'	10,300	4,672	30 (40)

FEED RATE CAPACITY

Feed rates are approximate and will vary depending on the moisture content, plasticity, gradation and general flowability of the material. The following assumptions were used to create the table:

- 1) Throw, speed and material flowability combine to give estimated travel speeds of: 12.1 MPM @ 0°; 19.8 MPM @ 5°; 36.6 MPM @ 10°.
- 2) 300mm bed depth at the feeder pan discharge or start of grizzly bars.
- 3) Material density = 1.6T/m³ (100 lbs./ft³)
- 4) Maximum feeder speed.

FEED RATE CAPACITY



PORTABLE PLANTS

TELSMITH TIL H2550 / H3244 PP is a wheel mounted electric powered Primary Crushing & Screening unit.

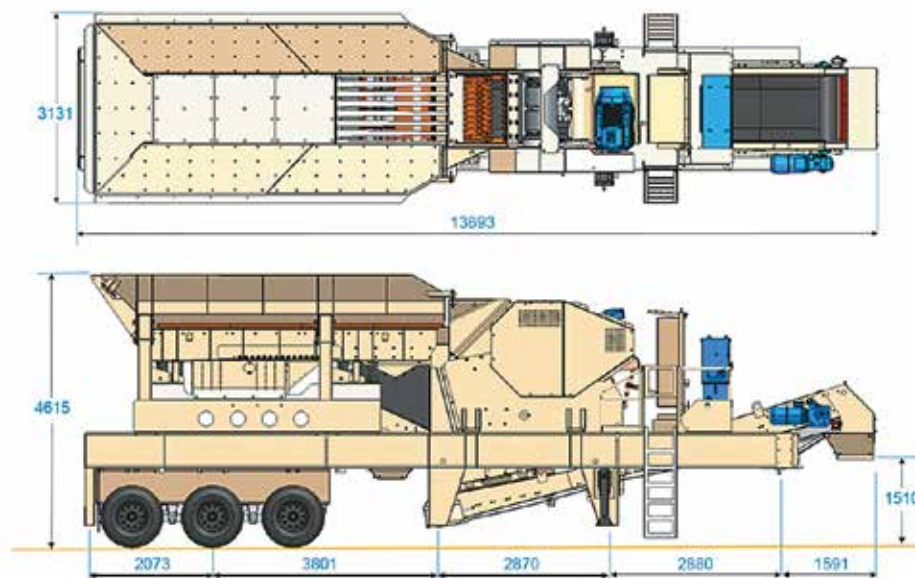
It can achieve production of 300 mtph for both H2550 and H3244 of aggregate under mentioned feed material specification and gradation (Bulk density 1.6 T /m³).

Includes Grizzly Feeder, Dirt Screen (Optional), Jaw crusher, Under Crusher Conveyor, Electricals, platforms – all mounted on a trailer.

PORTABLE JAW PLANT



PP JAW DIMENSIONS



STATIC RECEIVING HOPPER CAPACITY	25 - 35m ³
TRAILER MOUNTED RECEIVING HOPPER CAPACITY	9.5m ³

PORTABLE JAW PLANTS

V2650 PP

DIMENSIONS	TRANSPORT	OPERATION
Length	13,320 mm	13,320 mm
Width	2,600 mm	3,200 mm
Height	3,750 mm	4,260 mm

WEIGHT

Total Weight	38,200 kg
Weight on Axles	23,000 kg
Weight on King Pin	15,200 kg

WHEEL MOUNTED CHASSIS CONSISTS OF

Bogie	3 axles
Tyres	10.0x20, 12 nos.
Brakes	Air brakes
King pin	50.8 mm (2")
Support legs	2 pairs
Landing Jacks	1 pair

GRIZZLY FEEDER

Model	48X16 VGF SD
Size	1,220 mm x 4,876 mm
Grizzly Bar Gap	75 mm average W/Built In Wire. Mesh Option.
Vibrator	22 kW (30HP) @ 1490 rpm

DIRT SCREEN - OPTIONAL

Model	4X6 SD
Size	1,219 mm X 2,438 mm
Motor	3.7 kW (5 HP) @ 1490 rpm
Separation	10 or 15 mm

H2550/H3244 PP

DIMENSIONS	TRANSPORT	OPERATION
Length	13,693 mm	13,693 mm
Width	2,453 mm	3,200 mm
Height	3,870 / 4,188 mm	4,615 mm

WEIGHT

Total Weight	39,650 kg / 43,375 kg
Weight on Axles	23,650 kg / 26,700 kg
Weight on King Pin	16,000 kg / 16,675 kg

WHEEL MOUNTED CHASSIS CONSISTS OF

Bogie	3 axles
Tyres	10.0x20, 12 nos.
Brakes	Air brakes
King pin	50.8 mm (2")
Support legs	2 pairs
Landing Jacks	1 pair

GRIZZLY FEEDER

Model	48X16 VGF SD
Size	1,220 mm x 4,876 mm
Grizzly Bar Gap	75 mm average W/Built In Wire. Mesh Option.
Vibrator	22 kW (30HP) @ 1490 rpm

DIRT SCREEN - OPTIONAL

Model	4X6 SD
Size	1,219 mm X 2,438 mm
Motor	3.7 kW (5 HP) @ 1490 rpm
Separation	10 or 15 mm

CONE CRUSHERS - SBS & KODIAK PLUS

For more than a century, aggregate and mining professionals who require the highest productivity, best reliability and lowest cost per ton have turned to cone crushers from Astec Aggregate & Mining Group (AAMG) for consistent performance. The experience shows in today's comprehensive line of AAMG cone crushers.

Engineered into each model with a common commitment to peak day to day performance and long term durability..... a commitment backed by the 100 year reputation for design excellence, manufacturing, craftsmanship and customer satisfaction of AAMG all over the globe.

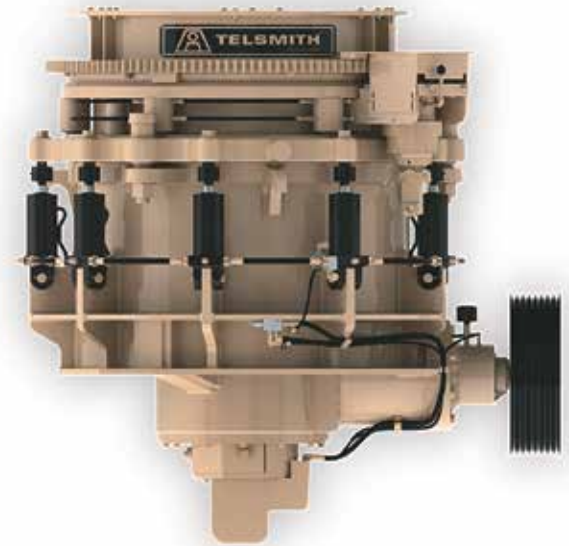
FEATURES AND BENEFITS

SBS CONE CRUSHERS

- Reliable Hydraulic Overload Protection
- Dynamic Hydraulic Adjustment of CSS and High Speed Extract
- Quick Hydraulic Chamber Clearance
- Zero maintenance, optional Anti-Spin
- Long Bronze sleeves to withstand high radial crushing force
- Heavy Duty Thrust Roller Bearings

KODIAK CONE CRUSHERS

- High Efficiency roller bearing design
- Remote Hydraulic CSS adjustment
- Mechanical Crusher duty Cone Brake
- Permanently precision balanced
- Patented liner retention assembly
- Bronze field replaceable V seat liners
- Patented "gall resistant" brass bowl thread inserts
- Patented "no creep" bowl clamp



Brand	Model	Maximum feed size (mm)	Flywheel RPM	Motor Power kW (HP)	Weight (kg)
Telsmith	38 SBS	175	775 - 805	110 - 150 (150 - 200)	13,789
Telsmith	44 SBS	203	665 - 705	150 - 225 (200 -300)	16,329
KPI-JCI	K 300+	286	800 - 950	225 (300)	20,639
KPI-JCI	K 400+	323	800 - 950	300 (400)	26,580
KPI-JCI	K 500+	383	750 - 850	375 (500)	34,247

- Higher capacity models available on request

CONE CRUSHER - PERFORMANCE

PROJECTED CRUSHING CAPACITIES – SBS & KODIAK CONE CRUSHERS (MTPH)

CRUSHER MODEL	THROUGHPUT CAPACITIES AT DISCHARGE SETTING (CSS) SHOWN								
	3/8" (10mm)	1/2" (13mm)	5/8" (16mm)	3/4" (19mm)	1" (25mm)	1 1/4" (32mm)	1 1/2" (38mm)	1 3/4" (45mm)	2" (51mm)
38 SBS	81 - 104	104 - 131	126 - 153	140 - 171	171 - 207	198 - 243	212 - 261		
44 SBS	111 - 144	135 - 180	162 - 212	180 - 234	221 - 288	257 - 333	288 - 374	324 - 410	
K 300 +		154 - 191	172 - 218	195 - 245	245 - 299	281 - 350	299 - 376	318 - 399	335 - 417
K 400 +		191 - 236	227 - 286	263 - 331	308 - 386	367 - 458	399 - 499	431 - 540	454 - 567
K 500 +		245 - 299	290 - 358	340 - 404	386 - 472	440 - 531	494 - 608	540 - 667	590 - 753

Note:

"The minimum recommended CSS is determined by the crushing chamber selection and operating conditions.

Capacities of the Crushers are based on open circuit crushing (one pass through the crusher).

Capacities are approximate total throughout based on an average material having a bulk density of 1600 kg/m³.

Throughput capacities will vary depending on the type of material, feed gradation, moisture content, chamber selection, feed method and other site specific operating conditions.

GRADATION CHART FOR CONE CRUSHERS

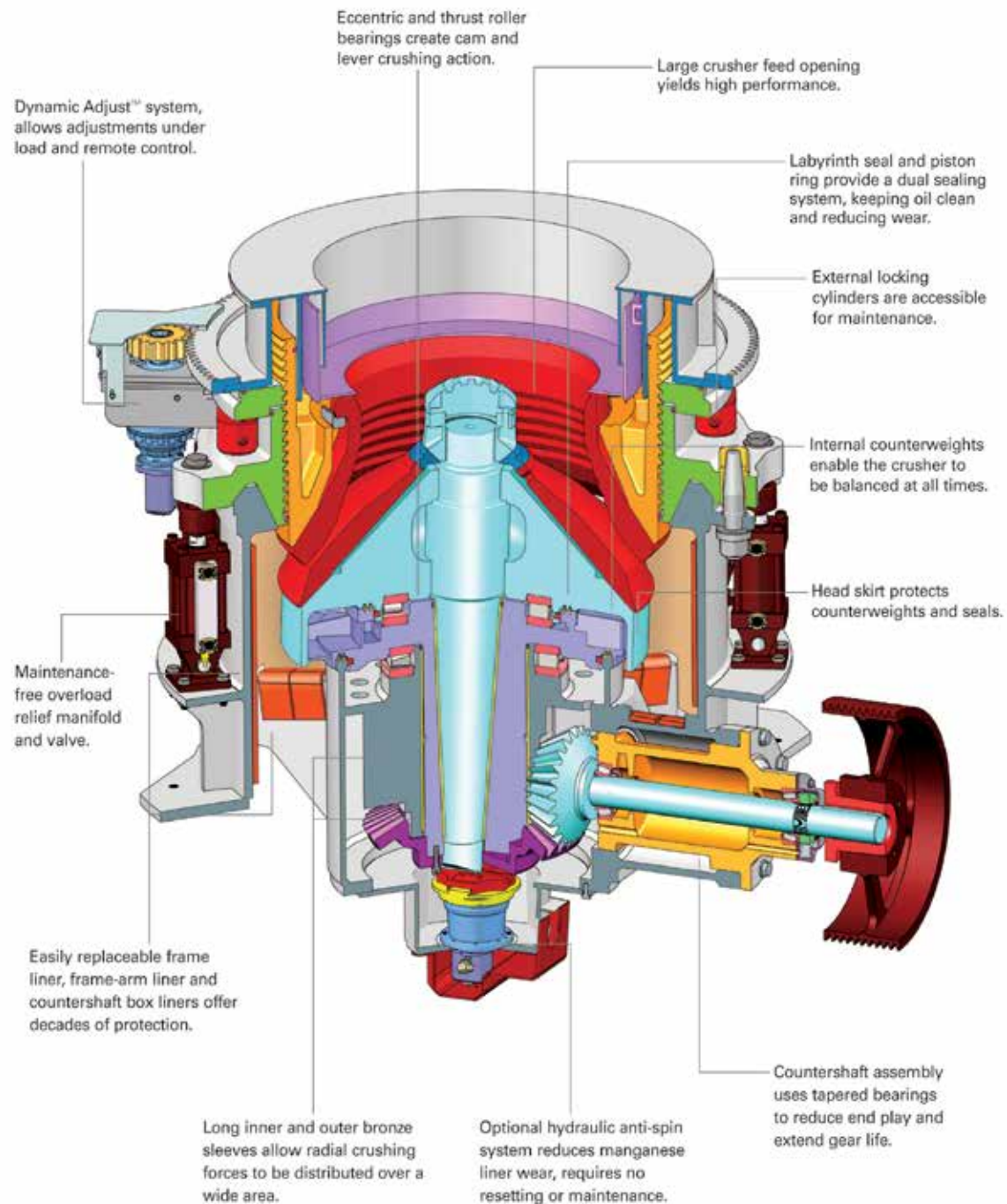
Product size		Crusher closed side setting											
US	mm	5/16"" 7.9mm	3/8"" 9.5mm	7/16"" 11.1	1/2" 12.7mm	5/8" 15.9mm	3/4" 19mm	7/8" 22.2mm	1" 25.4mm	1-1/4" 31.7mm	1-1/2" 38.1mm	1-3/4" 44.5mm	2" 50.8mm
4"	101.6												100
3-1/2"	88.9											100	96
3"	72.2										100	95	90
2-3/4"	69.8										98	92	86
2-1/2"	63.5									100	95	88	81
2-1/4"	57.1									97	91	83	74
2"	50.8								100	94	86	76	65
1-3/4"	44.5							100	97	88	79	66	55
1-1/2"	38.1						100	96	91	80	68	56	45
1-1/4"	31.7					100	97	90	83	70	56	46	38
1"	25.4				100	99	90	82	72	58	45	36	29
7/8"	22.2			100	99	93	86	74	64	48	38	30	25
3/4"	19		100	97	94	87	80	65	54	40	32	26	21
5/8"	15.9		98	94	87	80	69	55	46	34	28	22	18
1/2"	12.7	100	95	88	80	69	58	47	39	28	23	19	16
3/8"	9.8	91	84	73	63	52	44	37	28	21	17	14	12
5/16"	7.9	85	74	63	54	46	37	31	25	19	15	13	10
1/4"	6.4	74	61	50	44	36	32	26	21	16	13	11	9
4M	4.76	58	48	42	35	32	26	21	18	14	11	9	7
5/32"	3.9	50	41	36	30	28	23	18	15	12	10	8	6
8M	2.38	40	35	30	26	24	20	16	12	9	7	5	4
10M	2	35	31	26	22	20	18	14	10	8	6	4	3
16M	1.19	28	24	21	17	15	13	10	8	6	4	3	2
30M	0.595	20	18	15	11	9	8	6	5	4	3	2	1.5
40M	0.42	18	15	14	10	8	7	5	4	3	2	1.5	1
50M	0.297	14	12	12	8	7	6	4	3	2	1.5	1	0.8
100M	0.149	11	9	9	7	6	5	4	3	1.5	1	0.5	0.5
200M	0.074	8	7	6	6	5	4	3	2	1	0.5	0.5	0.3

For recommended capacities, minimum and maximum discharge openings, see capacities table.

Capacities of Crushers are based on open circuit crushing.

SBS CONE CRUSHER

Telsmith TIL 38 SBS/44 SBS PP is an electric powered secondary crushing unit. The nominal capacity of this machine is upto 200 mtph for 38 SBS and 300 mtph for 44 SBS aggregate under mentioned feed material specification and gradation (Bulk density 1.6 T/m³).



KODIAK PLUS CONE CRUSHER

A



PATENTED LINER RETENTION SYSTEM
Our patented liner retention system makes liner changes simple, safer and quicker.

B



PATENTED THREAD LOCKING RING
360-degree ring replaces individual cylinders and acts as a single piston providing low maintenance, leak-free operation preventing bowl creep.

C



PATENTED FIELD REPLACEABLE BRASS THREADS
Older machines use steel-on-steel rotation threads that frequently gall or weld together. KPI-JCI's patented brass-thread insert resists the galling and welding.

D

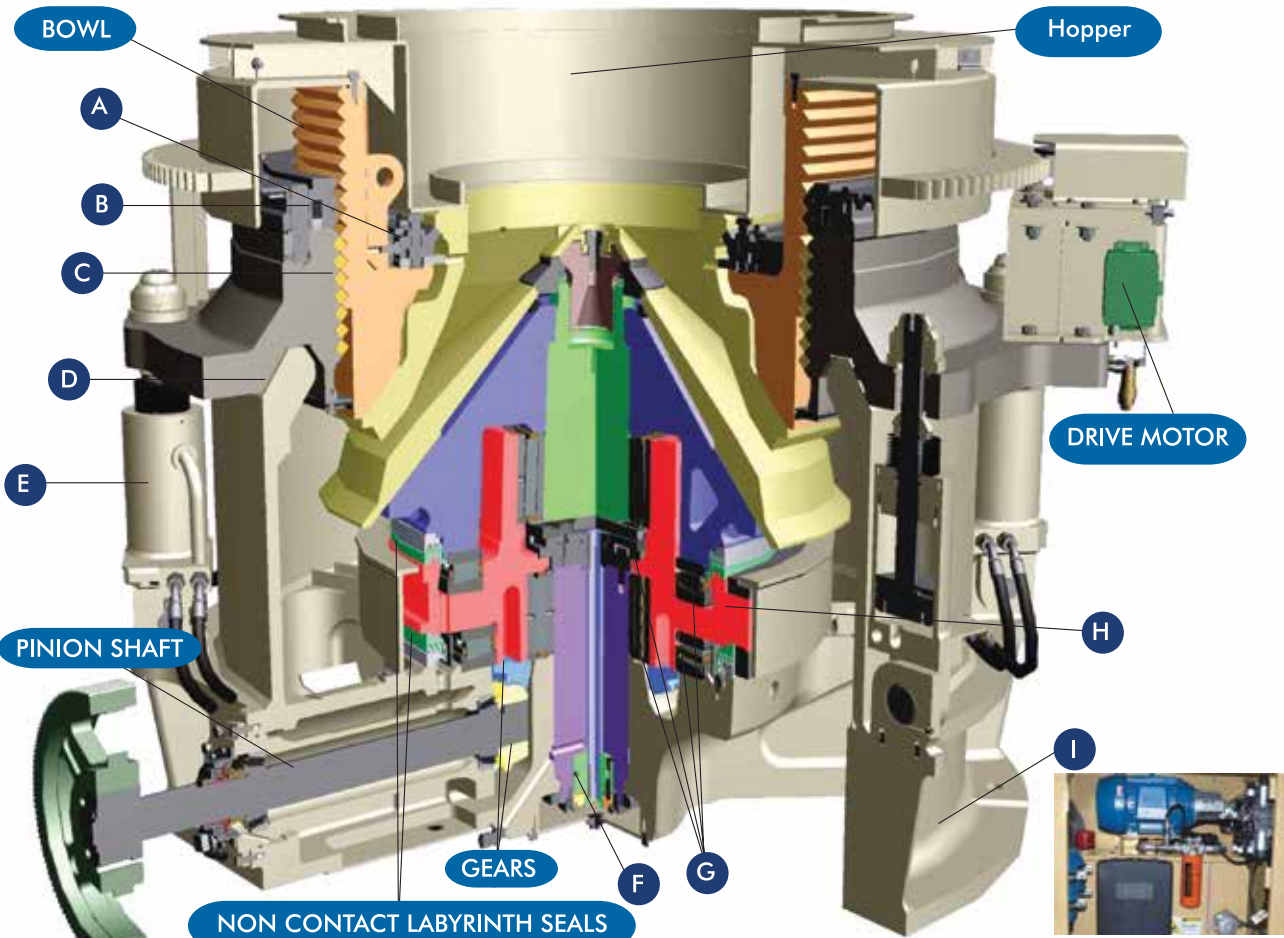


BRASS LINED V-SEAT
Replaceable brass seat liners provide an extra layer of protection against overload events.

E



TRAMP IRON RELIEF SYSTEM
Eliminates maintenance costs associated with accumulators. Pressure relief valves act as a latch, generating minimal back pressure build-up during an overload event. Picture above shown in the "clearing" position.



F



ANTI-SPIN CONE BRAKE
Anti-spin feature reduces manganese wear cost and minimizes projectiles for improved safety. Optional hydraulic anti-spin also available

G



ROLLER BEARINGS
Precision design generates higher efficiencies, reducing re-circulating loads and operating temperatures. Highly tolerant of climate and temperature fluctuations.

H



REVOLVING WEDGE
Fully protected counterweights eliminate the need for replacements and maintain true balance through the life of the machine.

I



ROBUST BASE FRAME
Kodiak Plus crushers are the heaviest in the class, thus applying more pounds per horsepower into its core function-crushing.

HYDRAULIC PANEL

Hydraulic pump, filter, etc. are away from the crusher in an easy to service panel.



LUBE PANEL
Houses lube pump, filter, etc. are away from the crusher in an easy to service panel.

SBS & KODIAK CONE CRUSHING CHAMBERS

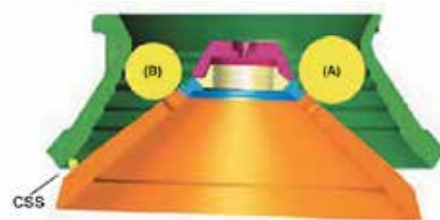
Model	Bowl	Recommended Minimum Closed Side Setting (CSS)		Feed Opening at Minimum Closed Side Setting			
				Open (A)		Closed (B)	
38 SBS	C - X-Coarse	1"	25 mm	6-7/8"	175 mm	5-3/4"	146 mm
	C - Coarse	5/8"	16 mm	5-1/4"	133 mm	3-7/8"	98 mm
	C - Medium	5/8"	16 mm	4-3/4"	121 mm	3-3/8"	86 mm
	F - Coarse	5/8"	16 mm	4-1/4"	108 mm	2-7/8"	73 mm
	F - Medium	1/2"	13 mm	3-3/4"	95 mm	2-1/4"	57 mm
	F - Fine	3/8"	10 mm	3-1/4"	83 mm	1-3/4"	44 mm
44 SBS	C - X-Coarse	1"	25 mm	8"	203 mm	6-1/2"	165 mm
	C - Coarse	3/4"	19 mm	5-7/8"	149 mm	4-1/4"	108 mm
	C - Medium	5/8"	16 mm	4-7/8"	124 mm	3-1/2"	89 mm
	F - Coarse	5/8"	16 mm	4-1/4"	108 mm	2-5/8"	67 mm
	F - Medium	1/2"	13 mm	3-3/4"	95 mm	2-1/4"	57 mm
	F - Fine	3/8"	10 mm	3-1/2"	89 mm	1-3/4"	44 mm
KODIAK K300+	Coarse	3/4"	19 mm	10-1/8"	257 mm	9-1/4"	235 mm
	Medium Coarse	3/4"	19 mm	8-3/4"	222 mm	7-3/4"	197 mm
	Medium Chamber w/ Feed slot	5/8"	16 mm	8-7/8"	225 mm	7-7/8"	200 mm
	Medium Chamber	5/8"	16 mm	7-5/8"	194 mm	6-1/2"	165 mm
	Medium Fine	1/2"	13 mm	5-1/8"	130 mm	3-5/8"	92 mm
	Fine Chamber	1/4"	6.4 mm	4-3/8"	111 mm	2-3/4"	70 mm
KODIAK K400+	Coarse	3/4"	19 mm	11-1/2"	292 mm	10-1/4"	260 mm
	Medium Chamber w/ Feed slot	5/8"	16 mm	9-1/2"	241 mm	7-7/8"	206 mm
	Medium Chamber	5/8"	16 mm	8-1/8"	206 mm	6-5/8"	168 mm
	Medium Fine	1/2"	13 mm	5-1/4"	133 mm	3-1/2"	88.9 mm
	Fine Chamber	1/4"	6.4 mm	3-7/8"	98.4 mm	2-1/8"	54 mm
KODIAK K500+	Extra Coarse	1-1/4"	32 mm	14"	356 mm	13"	330 mm
	Coarse	3/4"	19 mm	12-1/2"	317 mm	11"-1/8"	283 mm
	Medium Chamber	5/8"	16 mm	11-3/4"	298 mm	10-1/2"	267 mm
	Medium Fine	1/2"	13 mm	6-3/8"	162 mm	4-5/8"	117 mm
	Fine Chamber	1/2"	13 mm	10-5/8"	270 mm	9-3/8"	238 mm
	Extra Fine	1/4"	6.4 mm	4-1/2"	114 mm	2-5/8"	66.7 mm

Additional chamber selection options are available for unique applications. Consult factory for recommendations.

The minimum operating CSS is affected by the feed gradation, type of material, fines content, moisture content, feed rate and other site specific operating conditions. The minimum recommended CSS shown in the above table may not be achieved in all applications.



Typical 'F' Arrangement

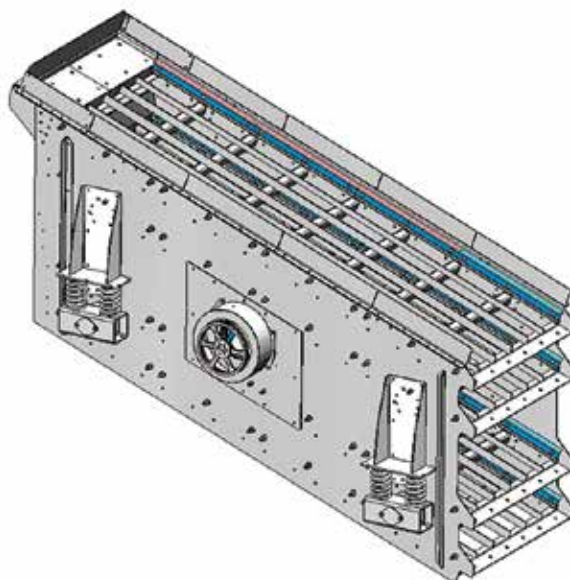


Typical 'C' Arrangement

VIBRO-KING TL SCREENS

SCREEN FEATURES

- 10mm (no weld) sideplates
- 20 degree mountangle
- Huck-bolted assembly
- Reinforcing plates at vibrator
- Bolton AR lined feedbox and AR lined discharge lips
- Back plate with rubber dust curtain
- Support pedestals and springs
- Steel coilsprings
- Urethane friction checks with replaceable wear plates
- Standard wide series bearings deliver long service life: bearing sizes: TL26 (130mm bearings), TL32 (160mm bearings)
- Oil lubricated TL shaft assembly (single and dual shaft models)
 - Oversized shaft casing increases oil volume & extends service intervals
- "Never-Wear" sealingsystem:
 - Centrifugal force casts oil away, No contact seals to maintain
- Urethane labyrinth dustseal
- Best in-class service ability
 - Splash plate to support shaft during assembly, Oil level sight gauge on non-driveside
 - Grease fittings located outside ofguard
- External counter weights
- FEA design with extensive stress analysis
- Operation and maintenance manuals



FEATURE	SPECIFICATIONS
Adjustable operating speed range	780 – 1050RPM
Slope	20°
Maximum top deck opening	75mm (wirecloth), / 150mm (punch plate)
Minimum screen cloth opening	6 mesh (3.3mm)

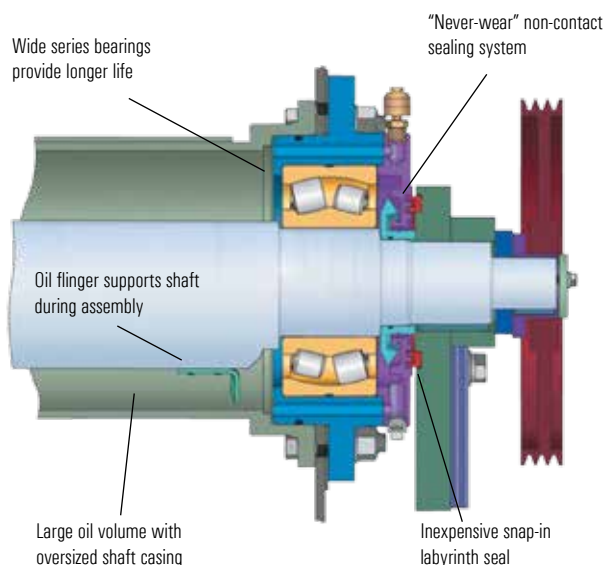
*Speed based on media openings at time of sale, machine weight and vibrator configuration dependent on application and media selection.

DECK DESIGNS

- Side tension deck:
- Designed for wire cloth (up to 1/2" dia. wire)
- Utilize single crown hook up design

OPTIONAL EQUIPMENT

- Standard wire cloth
- V-belt drive and guards
- Pivoted motor base
- Electric motor



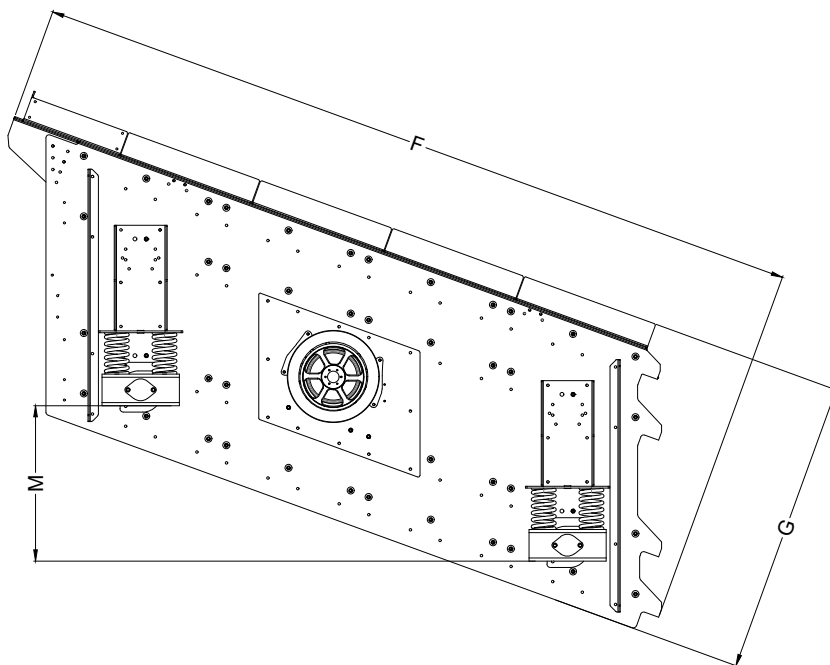
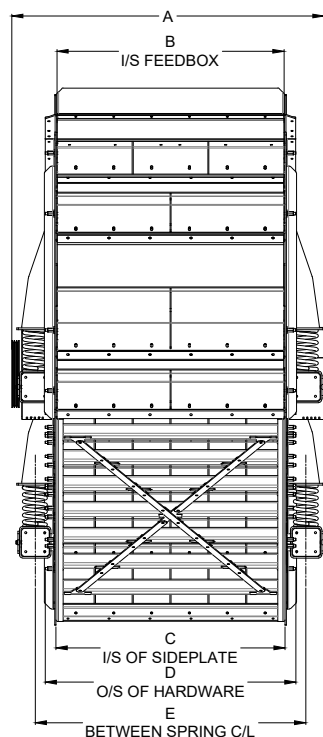
PHYSICAL AND OPERATING CHARACTERISTICS

VIBRO KING TL SCREEN - PHYSICAL & OPERATING CHARACTERISTICS

Screen size Width x Length ft (mm)	Decks	Power Req'd. kW (HP)		Weight* (kg)	Bearing size (mm)		Oil capacity (lit)	
		TL26	TL32		TL26	TL32	TL26	TL32
6' x 16' (1829 x 4877)	DD	18.5 (25)		6,742	130mm		19.7	
	TD		22.5 (30)	8,878		160 mm		20.1
	QD		30 (40)	9,708		160 mm		20.1
6' x 20' (1829 x 6096)	DD		30 (40)	7,910		160 mm		20.1
	TD		30 (40)	9,640		160 mm		20.1
	QD		30 (40)	10,625		160 mm		20.1

*Weights are approximate and include wire cloth. All weights shown are estimated and may vary due to fabrication variables, optional equipment or custom engineering. Consult factory for additional quad deck models.

SCREEN DIMENSIONS



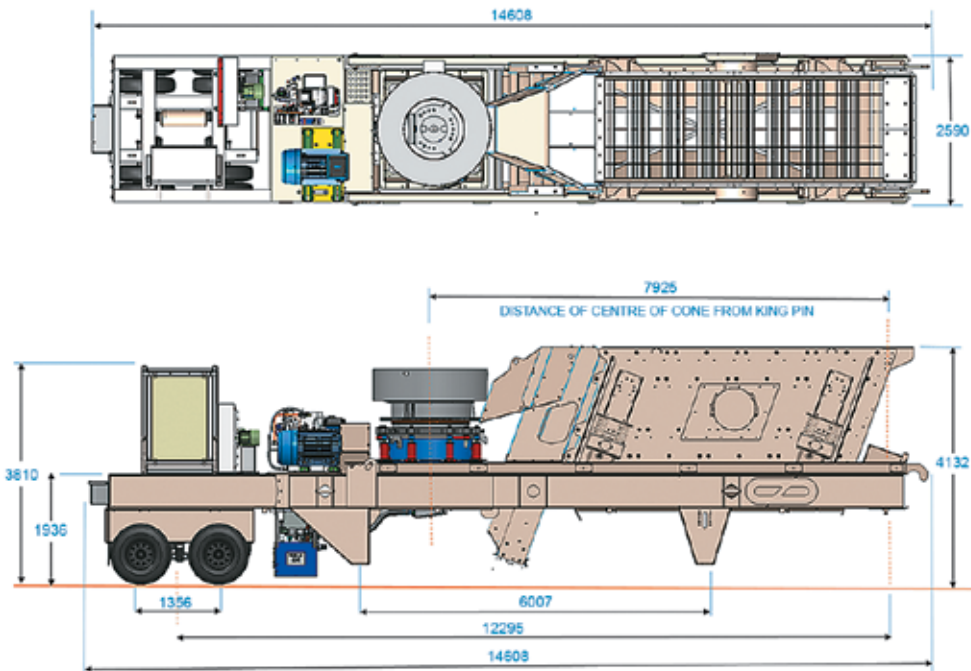
Size	A mm [in]	B mm [in]	C mm [in]	D mm [in]	E mm [in]	F mm [in]	G mm [in]	H mm [in]	M mm [in]
6x16 QD	2516	1828.8	1844.7	2018	2181.2	6250	2362	5263	1251
6x20 DD	2516	1828.8	1844.7	2018	2181.2	7582	2469	6361	1667

*Right hand drive shown.

PORTABLE CONE PLANTS



PP CONE – TRAVELLING DIMENSIONS



SPECIAL FEATURES
Dynamic Adjustment
Hydraulic Lock
Hydraulic relief & clearing
Metal Detector
Anti-Spin (optional)

PORTABLE CONE PLANTS

38 SBS PP

DIMENSIONS	TRANSPORT	OPERATION
Length	14,608 mm	14,608 mm
Width	2,590 mm	4,080 mm
Height	4,132 mm	7,510 mm

SURGE BIN CAPACITY (OPTIONS)

(STATIC)	20m ³ / 30m ³
----------	-------------------------------------

WEIGHT

Total Weight	35,986 kg
Weight on Axles	19,553 kg
Weight on King Pin	16,433 kg

WHEEL MOUNTED CHASSIS CONSISTS OF

Bogie	2 axles
Tyres	10.0x20, 8 nos.
Brakes	Air brakes
King pin	50 mm
Landing Jack	1 pair

GENERAL SPECIFICATION (CONE CRUSHER)

Horsepower	200 HP
Counter Shaft RPM (Typical)	775-805
Shipping Weight	13,789 Kg

VIBRATING SCREEN

Model	6x16 QD VKTL
Inclination	20 Deg
Length	4800 mm
Width	1830 mm
Separation	40, 20, 10 & 5 mm
Motor	30 kW
Motor Base	Pivoted type
Spring	Coil spring
Equipment RPM	829 rpm

44 SBS PP

DIMENSIONS	TRANSPORT	OPERATION
Length	14,608 mm	14,608 mm
Width	2,590 mm	4,080 mm
Height	4,132 mm	7,510 mm

SURGE BIN CAPACITY (OPTIONS)

(STATIC)	20m ³ / 30m ³
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WEIGHT

Total Weight	38,526 kg
Weight on Axles	21,125 kg
Weight on King Pin	17,401 kg

WHEEL MOUNTED CHASSIS CONSISTS OF

Bogie	3 axles
Tyres	10.0x20, 12 nos.
Brakes	Air brakes
King pin	50 mm
Landing Jack	1 pair

GENERAL SPECIFICATION (CONE CRUSHER)

Horsepower	300 HP
Counter Shaft RPM (Typical)	665-705
Shipping Weight	16,329 Kg

VIBRATING SCREEN

Model	6x16 QD VKTL
Inclination	20 Deg
Length	4800 mm
Width	1830 mm
Separation	40, 20, 10 & 5 mm
Motor	30 kW
Motor Base	Pivoted type
Spring	Coil spring
Equipment RPM	829 rpm

VERTICAL SHAFT IMPACT CRUSHER

KPI – JCI is amongst leader in the VSI technology.

This VSI design has features for high performance and optimum operating cost.

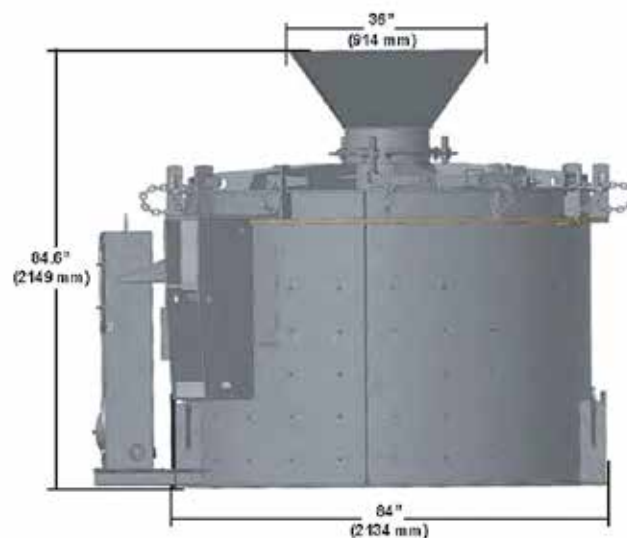
FEATURES AND BENEFITS

- Autogenous configuration produces more spec material in a single pass.
- Efficient design decreases horsepower requirements.
- Reversible, replaceable and adjustable wear parts reduce operating cost.
- Multiple shoe table and rotor configurations are easily interchangeable.

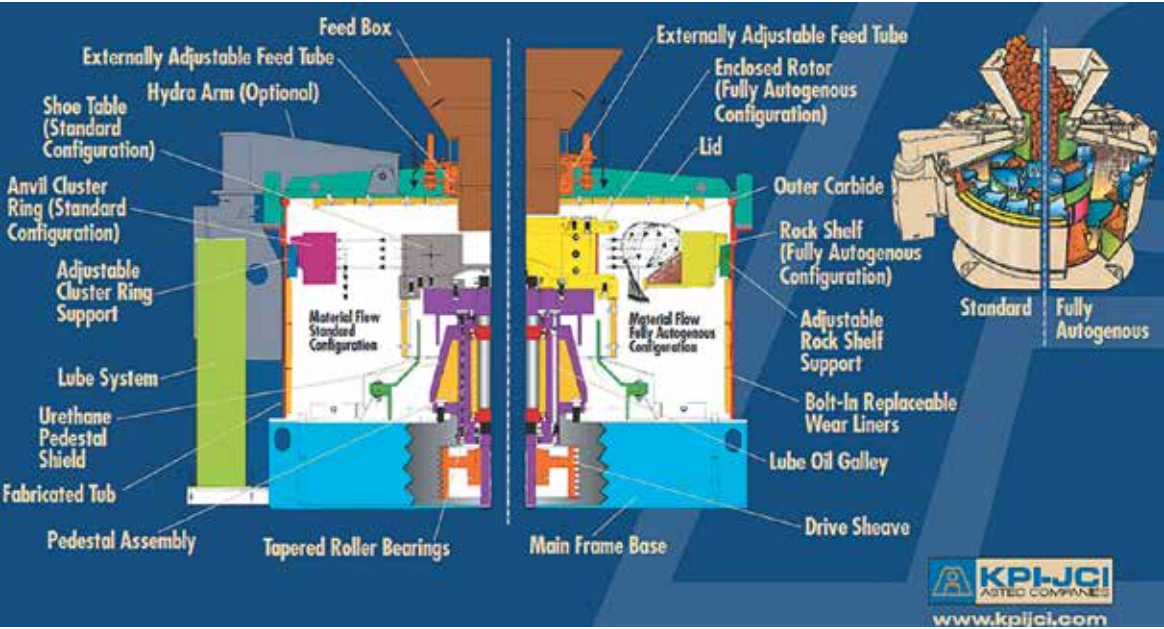


Model	Feed Tube Diameter (mm)	Maximum feed size rotor (mm)	Accelerator Speed (rpm)	Capacity (mtph)	Motor Power kW (HP)	Weight (kg)
VSI 2500	289	51	700 - 1400	135 - 267	225 (300)	8,518
VSI 3500	356	51	840 - 1200	227 - 363	300 (400)	10,886
VSI 4500	406	64	800 - 1200	300 - 500	300 - 375 (400 - 500)	13,227

Overall Dimensions - VSI 2500



2500 VSI



VSI SPEC SHEET

Autogenous Model 2500A					
Sieve Size inches	Sieve Size mm	1 1/2" Feed	Fully Autogenous 100% Speed	Semi - Autogenous 100% Speed	
2"	50mm		100%		
1 1/2"	37.5mm				
1 1/4"	31mm			99	100%
1"	25mm			95	96
3/4"	19mm			90	90
1/2"	12.5mm			70	76
3/8"	9.5mm			56	58
1/4"	6.3mm			38	45
#4M	4.75mm			31	37
#8M	2mm			22	25
#16M	1.18mm		15	17	
#30M	600uM		11	13	
#50M	300uM		8	8	
#100M	150uM		6	5	
#200M	75uM		4	3	

Note: Based upon material weighing 1600 kg/m3. Capacities may vary as much as ± 25% dependent upon methods of loading, characteristics and gradation of material, condition of equipment and other factors.

PORTABLE VSI PLANT

2500 VSI PP

KPI –JCI TIL 2500 VSI PP is a wheel mounted electric powered Tertiary Crushing Plant with VSI and Screen mounted on a trailer. The nominal capacity of this machine is up to 200 mtph for aggregate under mentioned feed material specification and gradation (Bulk density 1.6 T/m³).



SPECIAL FEATURES

- Feed/ Inspection Doors
- Hydra Arm
- Interchangeable Table Rotor
- Hybrid Rock Self
- Bolt-on Wear Liners
- Metal Detector

2500 VSI PP

DIMENSIONS	TRANSPORT	OPERATION
Length	14,608 mm	14,608 mm
Width	2,590 mm	4,080 mm
Height	4,132 mm	7,510 mm

SURGE BIN CAPACITY

(STATIC) 20m³ - 30m³

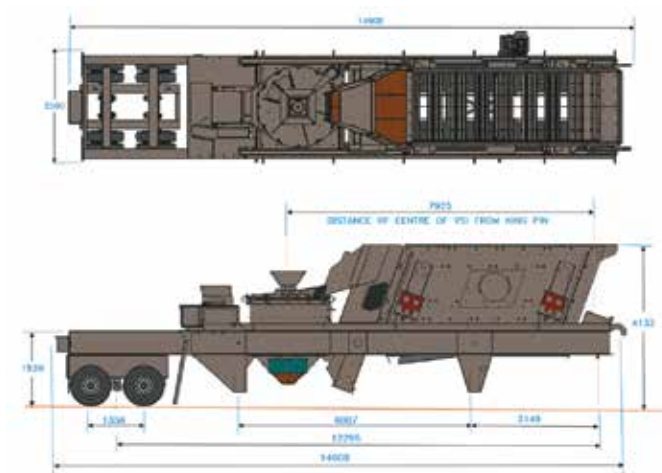
WEIGHT

Total Weight 28,765 kg
Weight on Axles 14,680 kg
Weight on King Pin 14,085 kg

WHEEL MOUNTED CHASSIS CONSISTS OF

Bogie 2 axles
Tyres 10.00x20, 8 nos.
Brakes Air brakes
King pin 50 mm
Landing Jacks 1 pair

PP VSI – TRAVELLING DIMENSIONS



VIBRATING SCREEN

Model 6x16 QD VKTL
Inclination 20 Deg
Length 4,800 mm
Width 1,830 mm
Separation 40, 20, 10 & 5 mm
Motor 30 kW
Motor Base Pivoted type
Spring Coil spring
Equipment RPM 829 rpm

SETTING THE PACE IN THE INFRASTRUCTURE SPACE

OUR FACILITY

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- Factory spread across 37.45 acres
- Built up area 58000 sqm
- Shop Floor 22000 sqm



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