



ELRUS
AGGREGATE SYSTEMS



PORTABLE SYSTEMS FOR THE AGGREGATE & MINING INDUSTRIES

PRIMARY JAW PLANTS



The ELRUS 3054 Primary Jaw Plant is a heavy-duty overhead eccentric jaw crusher built for the most severe crushing conditions. It features:

- 48" x 20' VGF with integral motor mount,
- hydraulic jaw adjustment,
- hopper and feeder remove easily for transport (feeder module can be lifted off in two pieces or skidded off in one piece);
- tri-axle walking beam suspension,
- hydraulic leveling system,
- adjustable discharge conveyor,
- impact bed under jaw and bypass chute,
- detachable bulkhead for ramp side.

Options include:

- available in diesel power,
- hydraulic side or end dump grizzly's with adjustable bars,
- hydraulic tramp iron relief system,
- automatic tensioning system,
- variable speed frequency controller.

Ease of maintenance and high production make the ELRUS 3054 the crusher for the most extreme applications.



The ELRUS 3042 Primary Jaw Plant is a heavy duty overhead eccentric jaw crusher for the most demanding crushing conditions. It features:

- 48" x 20' VGF with integral motor mount,
- hydraulic jaw adjustment (full hydraulic adjustment and tramp iron protection available),
- hopper and feeder remove easily for transport,
- H.D. Tri-axle walking beam suspension,
- hydraulic chassis levelling,
- adjustable discharge conveyor,
- impact bed under jaw and bypass chute.

Options include:

- available in diesel power,
- side or end dump grizzly with adjustable bars,
- rear discharge fines conveyor.

The ELRUS 3042 Primary Jaw Crusher is built for big jobs. Ease of maintenance and high production make the ELRUS 3042 the crusher for the high production producer.

2054 PRIMARY JAW PLANT



The ELRUS 2054 Primary Jaw Plant is a heavy-duty overhead eccentric jaw crusher for the most demanding crushing conditions. It features:

- 48" x 20' VGF with integral motor mount,
- hydraulic jaw adjustment (full hydraulic adjustment and tramp iron protection available),
- hopper and feeder remove easily for transport,
- tri-axle walking beam suspension,
- hydraulic levelling,
- adjustable discharge conveyor,
- impact bed under jaw and bypass chute.

Options include:

- available in diesel power,
- side or end dump grizzly's with adjustable bars available,
- rear discharge fines conveyor.

The ELRUS 2054 Primary Jaw Crusher is built for big jobs. Ease of maintenance and high production make the ELRUS 2054 the crusher for the high volume gravel producer.



The ELRUS 2442 Primary Jaw Plant is transportable without disassembly and extremely versatile; suitable for any crushing job! It features:

- 14' Travel Height (with grizzly removed),
- 48" x 18' VGF with integral motor mount,
- hydraulic jaw adjustment (full hydraulic adjustment and tramp iron protection available),
- tri-axle walking beam suspension,
- hydraulic chassis levelling,
- adjustable discharge conveyor,
- impact bed under jaw and bypass chute.

Options available:

- available in diesel power,
- side dump grizzly with adjustable bars,
- rear discharge fines conveyor,
- variable speed frequency control.

The ELRUS 2442 Primary Jaw crusher is an excellent choice for the contractor who needs big jaw performance in a portable, easy to move package.



The ELRUS 2236 Primary Jaw Plant is our smaller heavy duty overhead eccentric jaw crusher. It is ideal for the contractor who needs the features of a big crusher in a smaller size. It's features are: • 13' 9½" Travel Height (with grizzly removed), • 36" x 16' VGF with integral motor mount, • hydraulic jaw adjustment, • H.D. Tri-axle walking beam suspension, • hydraulic chassis levelling, • adjustable discharge conveyor, • impact bed under jaw and bypass chute. The 2236 is also available as a Jaw Screen, or as part of a Feeder Screen Jaw Plant. The ELRUS 2236 Primary Jaw crusher is an excellent choice for the contractor who needs big jaw performance in a portable, easy to move package.



The ELRUS 2054 Screen Jaw Plant is transportable without disassembly and extremely versatile; suitable for any crushing job! • Featuring an ELRUS 2054 Jaw crusher and an ELRUS 6 x 20 HD Scalping screen with rear fines discharge conveyor, • hydraulic jaw adjustment (full hydraulic adjustment and tramp iron protection available), • tri-axle walking beam suspension, • hydraulic levelling, • adjustable discharge conveyor, • impact bed under jaw and bypass chute. Options available: • rear partial fine reject conveyor. The ELRUS 2054, 6 x 20 - 2 Deck Screen Jaw Plant is an excellent choice for the contractor who needs high volume and the need to eliminate fines in a portable, easy to move package.



The ELRUS Feeder Screen Jaw Plant is an excellent choice for the producer that requires quick setup and mobility with a medium size jaw plant. The features are:

- 14' travel height, • 36" belt feeder, • side discharge product conveyor, • hydraulic jaw adjustment, • H.D. Tri-axle walking beam suspension, • hydraulic chassis levelling, • hydraulic screen raise and lower (three deck models) • impact bed under jaw and bypass chute, • side dump grizzly, • hydraulic dump grizzly with remote control. Options include: • available in screen sizes from 5' x 14' to 6' x 20', • Jaw sizes from 1036 to 2036, • variable speed frequency control on feeder, • adjustable grizzly bars. Just back an ELRUS cone plant into the side of this plant and you have a closed circuit crusher in an easy to move package. This is an excellent choice for the highly portable aggregate producer.

ELRUS JAW PLANTS

ELRUS heavy duty overhead eccentric jaw crushers are designed and engineered to exacting specifications. They feature manufactured heavy duty jaw boxes and pitmans that are ruggedly built and stress relieved before final machining. ELRUS jaws are available in sizes 1536, 2036, 2236, 2442, 3042, 3054 and our new 2054.

ELRUS JAWS FEATURES:

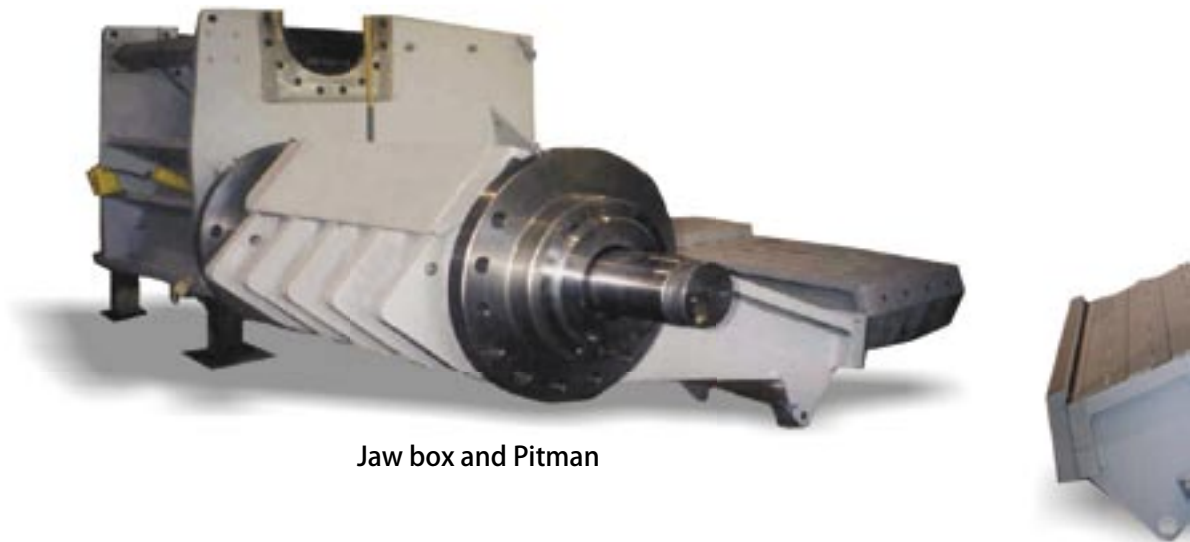
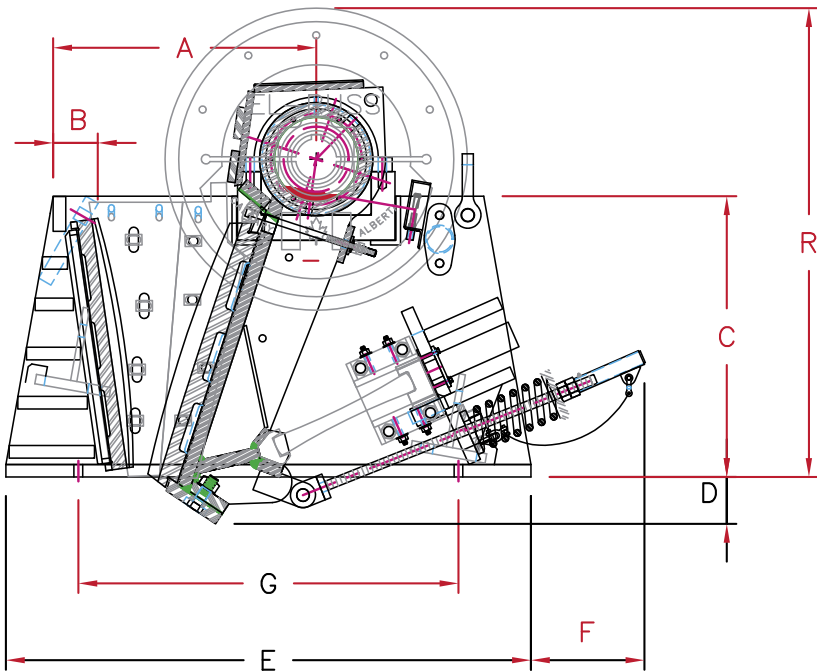
- Oversize bearings and shafts
- Central point lubrication
- Oil lube inner bearings, grease outer bearings
- Bolt on Pitman lip
- Hydraulic toggle block adjustment
- Full Hydraulic toggle - optional

ELRUS VIBRATING GRIZZLY FEEDERS FEATURES:

- 6" wide flange pan supports @ 20" spacing
- Grizzly section with tapered 1¼" qt. adjustable bars
- ½" mild steel side panels with bolted ⅜" AR liner
- Oil lubricated twin shaft activator
- Activator bolted to pan (adjustable)
- Vibrator assembly motor mount (integral)

ELRUS HEAVY DUTY CRUSHERS DIMENSIONS

JAW	A	B	C	D	E	F	G	H	J	K
1536	38 ³ / ₈	14 ⁵ / ₈	39 ³ / ₄	8 ¹ / ₄	63 ¹ / ₂	13 ¹ / ₄	42 ³ / ₈	55 ¹ / ₂	50 ¹ / ₂	43 ¹ / ₂
2036	40	11	39 ³ / ₄	8 ¹ / ₄	65 ¹ / ₈	14 ¹ / ₂	42 ³ / ₈	55 ¹ / ₂	50 ¹ / ₂	43 ¹ / ₂
2236	42	7 ¹ / ₈	44 ⁵ / ₈	7 ⁷ / ₁₆	83 ³ / ₈	18	60 ³ / ₈	55 ¹ / ₂	50 ¹ / ₂	43 ¹ / ₂
2054	58 ¹ / ₂	16 ⁵ / ₈	56 ¹ / ₈	8	89	11	83	74	68	59 ¹ / ₂
2442	54 ³ / ₄	15	56 ¹ / ₈	12 ¹¹ / ₁₆	79 ³ / ₄	21 ¹ / ₄	73	60 ⁵ / ₈	55 ⁵ / ₈	50 ¹ / ₈
3042	64 ³ / ₈	20	69	9 ⁷ / ₁₆	92	23	73	62	56	50 ¹ / ₂
3054	63 ⁵ / ₈	19	74 ¹ / ₂	9 ⁷ / ₈	100	8 ¹ / ₂	81	74	68	62 ¹ / ₂



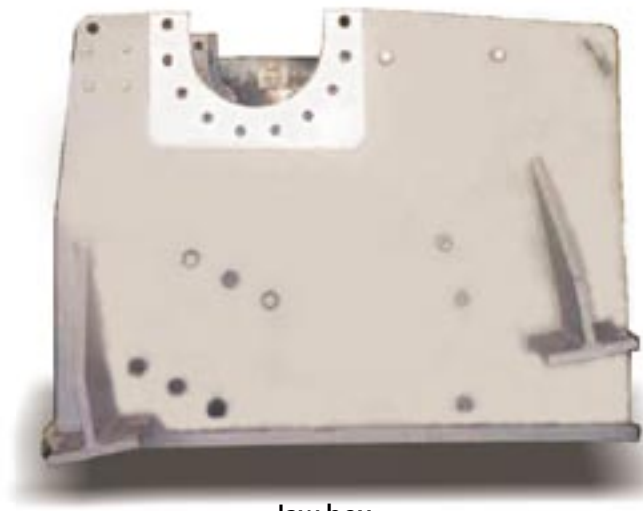
Jaw box and Pitman

					EST. WEIGHT (LBS)	H.P. REQUIRED	NOM. MAX. SPEED (RPM)	TENSION RODS
	L	M	N	P	R			
	35 ³ / ₄	78 ¹ / ₄	48	12 ³ / ₈	69 ⁵ / ₈	22,000	75	244
	35 ³ / ₄	78 ¹ / ₄	48	12 ³ / ₈	69 ⁵ / ₈	22,000	100	244
	35 ³ / ₄	78 ¹ / ₄	48	12 ³ / ₈	74 ¹ / ₂	24,000	100	244
	53 ¹ / ₂	98 ³ / ₈	48	12 ³ / ₈	80 ¹ / ₈	45,600	125	244
	42 ¹ / ₄	86 ¹ / ₂	48	12 ³ / ₈	80 ¹ / ₈	37,600	125	244
	41 ¹ / ₂	95 ⁵ / ₈	60	16	98 ¹ / ₂	50,000	150	225
	53 ¹ / ₂	107 ¹ / ₂	60	16	98 ⁷ / ₈	57,000	200	225

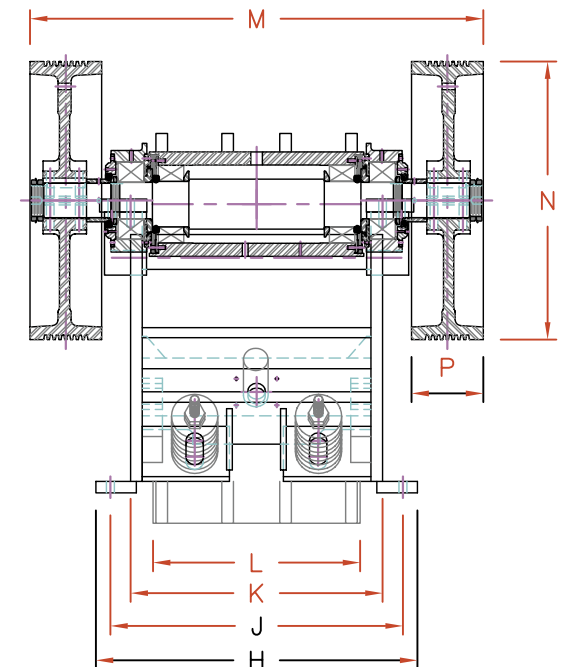
Continuous Design Process makes it necessary that Design be subject to change without notice or obligation



Pitman w/ Bolt-On
Manganese Support Lip



Jaw box



JAW CAPACITY VS. SIZE CHART		
JAWS	HP REQUIRED	
SIZE	ELECTRIC	DIESEL
1536	75	110
2036	100	140
2236	100	140
2054	125	170
2442	125	170
3042	150	190
3054	200	270

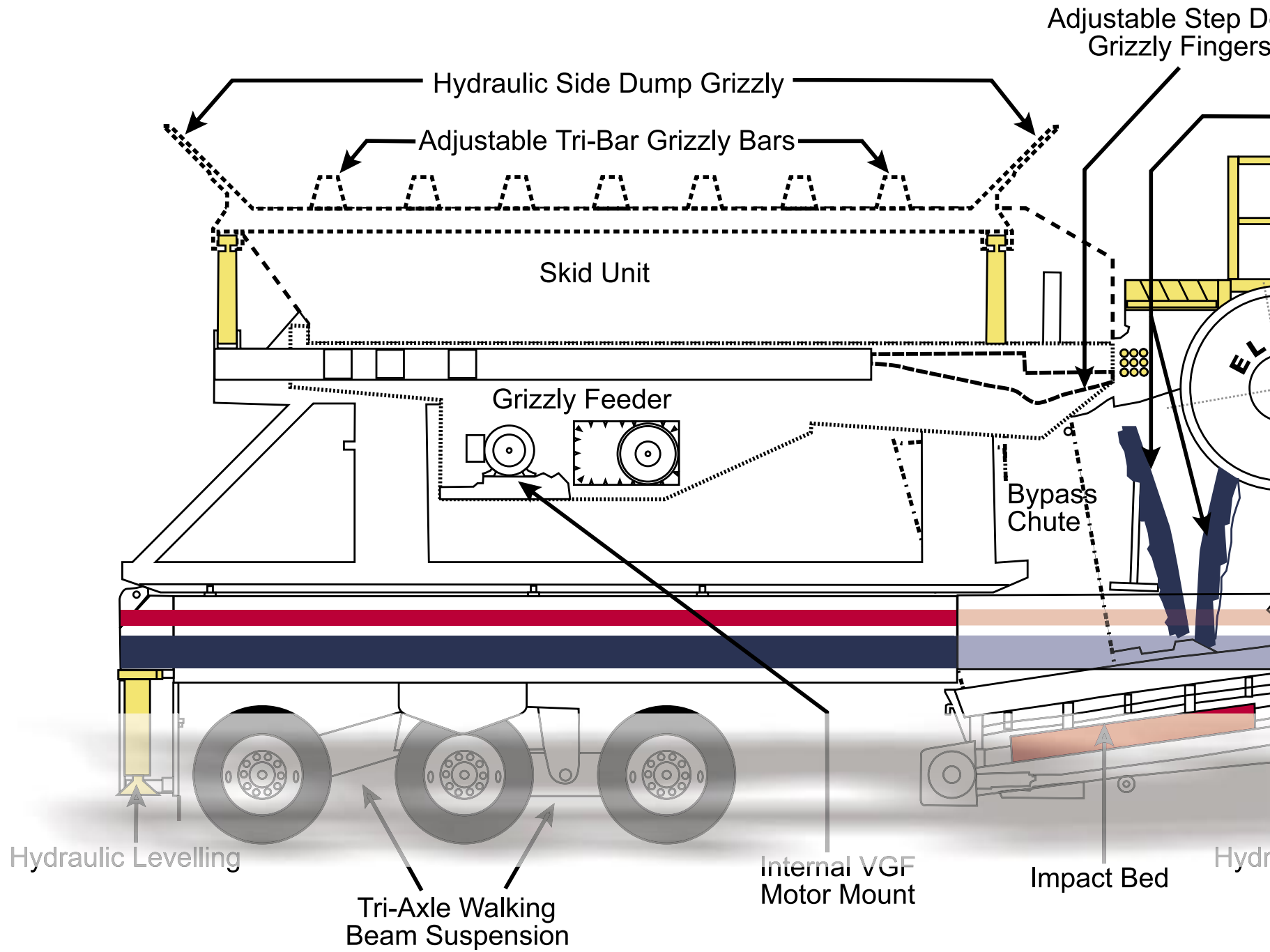


GRADATIONS FOR JAWS		
CSS	12	10
2"		
2½"		
3"		
3½"		
4"		
5"		
6"		

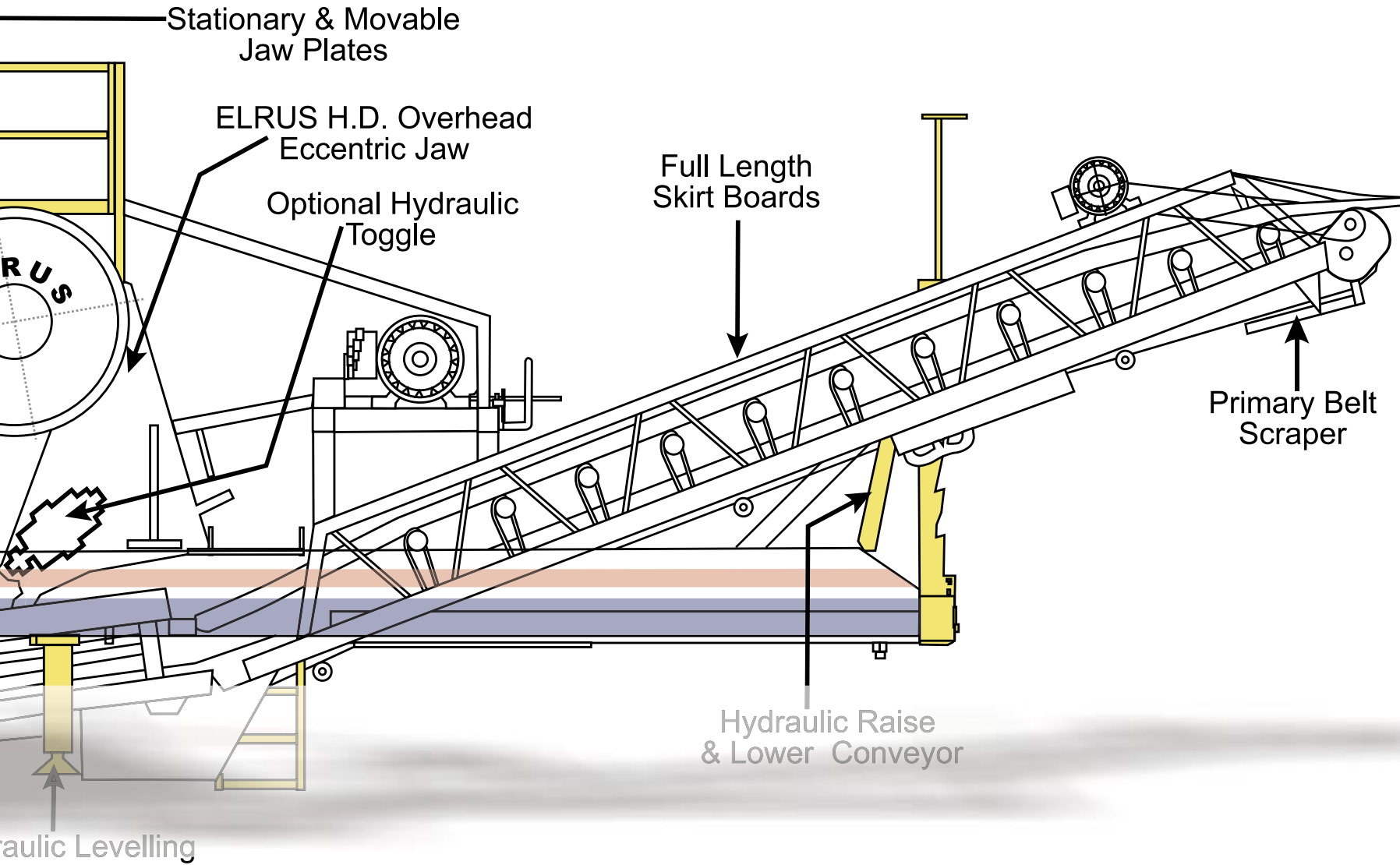
CAPACITIES AT CLOSED SIZE SETTING (TPH)								
2"	2½ "	3"	3½"	4"	5"	6"	7"	8"
50-70	57-85	65-100	75-135	85-158				
45-85	55-105	70-125	80-145	90-165	115-200			
	60-120	70-140	80-150	85-165	115-230	135-265		
	100-180	130-195	155-245	180-290	220-350	260-415		
		100-150	120-188	140-225	170-270	200-320	195-390	
			130-190	160-240	190-320	220-400	230-460	260-520
				225-335	265-400	300-460	350-530	390-600

Actual production will depend on size and rate of feed, operating conditions and hardness of rock

9	8	7	6	5	4	3½	3	2½	2	1½	1	¾	½	¼
							100	88	70	52	36	27	18	10
						100	84	70	57	42	28	21	15	8
					100	82	70	59	48	35	23	18	12	6
				100	80	70	60	50	40	30	20	15	10	5
			100	88	70	62	53	44	35	26	17	13	9	5
	100	98	84	70	56	50	42	35	28	21	14	11	7	4
100	94	82	70	58	47	41	35	29	24	18	12	9	6	3



Deck



The ELRUS Primary Jaw Plant is an excellent choice for the producer that requires quick setup and mobility with a medium size jaw plant.

FEATURES:

- Hydraulic Jaw Adjustment
- Tri-Axle Walking Beam Suspension
- Hydraulic Leveling
- Adjustable Discharge Conveyor
- Impact Bed under Jaw and Bypass Chute
- Hydraulic Dump Grizzly with Remote Control

OPTIONS:

- Optional Screen Module
- Jaw sizes from 1536 to 3054
- Rear Discharge Fines Conveyor
- Variable Speed Frequency Control on Feeder

Welded Steel Frame construction 2-2¼" steel plate welded construction which has been stress relieved to ensure a long trouble free life.

WELDED STEEL PITMAN

2-2¼" steel plate welded construction which has been stress relieved and machined to give a closely toleranced fit with other components. The pitman also features a replaceable plate to help protect the barrel from damage due to oversize or slab type material.

BOLT ON PITMAN LIP

All ELRUS Jaws feature Bolt-On Manganese Support Lips. The bolt-on lips gives the owner/operator the option to bolt-on the lip rather than

having to weld it in place. Therefore they are easy to maintain and replace during liner changes.

REPLACEABLE PARTS

ELRUS has designed our jaws to include replaceable parts that make maintenance simpler. These parts include a bolt on toggle slide with wear plates, and replaceable lower toggle seats for both the stationary and the movable jaw manganese.

SPHERICAL ROLLER BEARINGS

All jaws come with off the shelf spherical roller bearings for both the pitman and the frame. The pitman bearings are oil lubricated and the frame bearings are grease lubricated from a central location to eliminate the need to shut down for lubrication.

FLYWHEELS

One piece cast flywheels in 48" or 60" diameter sizes.

HYDRAULIC JAW ADJUST WITH SHIMS

Crusher settings can be easily changed with our standard hydraulic pump used to take the pressure off. This allows you to add or remove shims as needed for the correct setting.

OPTIONAL: HYDRAULIC TOGGLE WITH TRAMP IRON RELIEF SYSTEM

Replaces the toggle plate. Pressure relieves to allow passage of material that is not crushable.



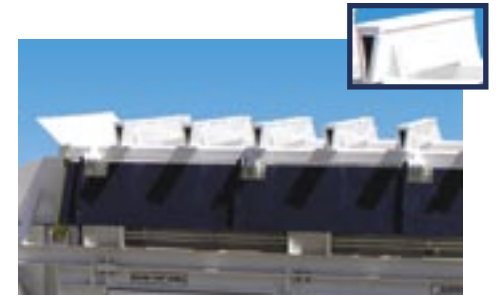
Slide on Hopper and VGF
Skid Module



Vibrating Grizzly Feeders
manufactured for the
toughest conditions!



Internal VGF Motor Mount



Tri-Bar Grizzly Bars



Hydraulic Side Dump Grizzly
with Deflection Plate



Hydraulic Power Pack for
Grizzly Dump



Impact Bed



Hydraulic Shim Adjust



Tri-Axle built to take it! Greater
stability in pits and adjustable;
just 4 bolts to remove.



Adjustable Height Discharge
Conveyor (full length skirt
boards)




Full Length Skirt Boards



Primary Belt Scraper





**Any Place...Any Time
We're there for you 24/7.**



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