



# LIBERTY<sup>®</sup> JAW CRUSHER

Demanding Applications Need a Jaw Crusher Designed to Handle Tough Production Requirements.

## FEATURES

- » Bolted, non-welded frame construction with premium quality castings and components.
- » Hydraulic wedge adjustment allows for push button control of closed side settings.
- » Aggressive nip angle ensures the jaw consistently processes material and maintains capacity throughout liner life.
- » Mid-mount frame ensures compact installation.

## APPLICATIONS



Ore/Hard  
Rock Mining



Quarried  
Stone



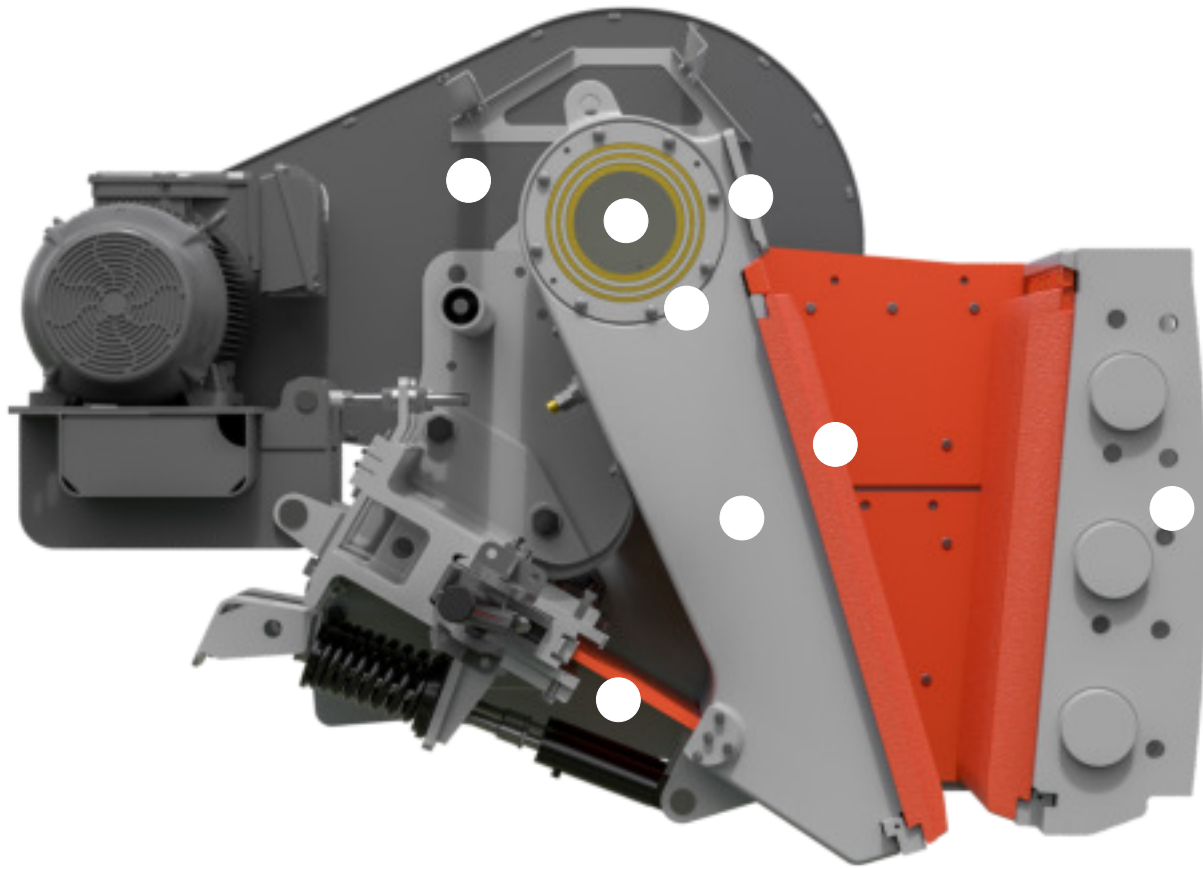
River  
Gravel



Recycle  
Concrete

Wheeled   
Stationary 

## FEATURES



Easily replaced and designed to protect the bearings and pitman housing.

This hardest working component is precision CNC-machined for proven high strength and reliability.

Offering different liner configurations expands the application window for the crusher.

Optimized design to generate the crushing force required for the toughest and hardest materials.

Ensures the maximum performance providing the lowest cost of ownership.

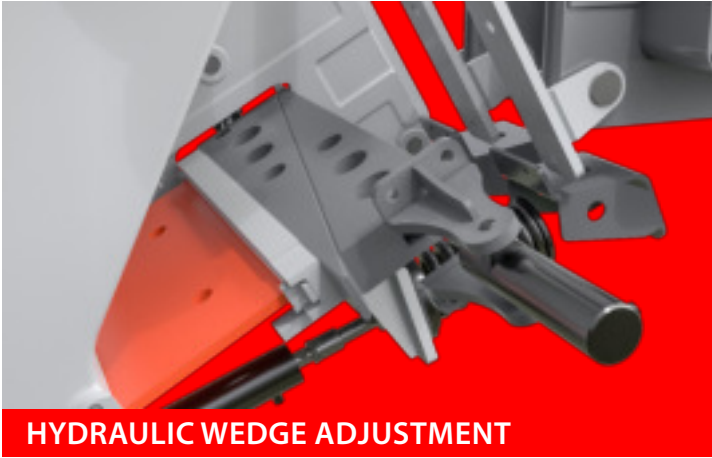
Provides the correct protection of the crusher to ensure performance and long term durability.

Cast structural components, including end frames and a one-piece pitman, for a high strength strength machine.

High strength solid casting.

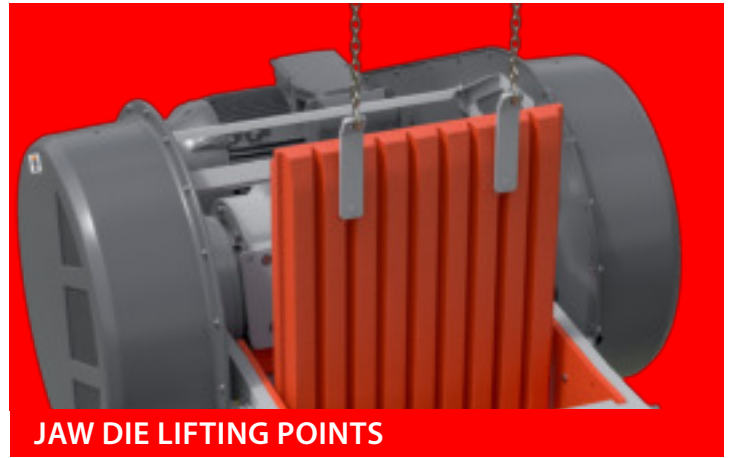


## HIGHLIGHTS



**HYDRAULIC WEDGE ADJUSTMENT**

- » Single push button hydraulically allows operators to adjust closed side settings (Manual shim available).



**JAW DIE LIFTING POINTS**

- » Integrated into the dies versus unsafe welded options, which can break from the dies.



**AGGRESSIVE NIP ANGLE**

- » Jaw consistently processes material and maintains strong capacity through liner life.



**PITMAN TOE PROTECTION**

- » Replaceable component for protection and to eliminate long periods of downtime for re-machining.



**COMPOSITE DRIVE GUARD**

- » Designed for a single crew member to remove guarding for simplified access to drive.

## SPECIFICATIONS

Model	Feed Opening		Capacity		Max. Feed Size	
	mm x mm	inch x inch	mtph	stph	mm	inch
2055B	510 x 1,400	20 x 55	100-350	110-385	406	16.0
2436B	600 x 900	24 x 36	110-250	120-325	488	19.2
2842B	710 x 1,070	28 x 42	150-375	165-410	569	22.4
3043B	760 x 1,100	30 x 43	180-620	200-680	610	24.0
3055B	760 x 1,400	30 x 55	240-780	265-855	610	24.0
3255B	820 x 1,400	32 x 55	320-800	353-880	650	25.6
3448B	860 x 1,220	34 x 48	170-560	185-615	690	27.2
3951B	1,000 x 1,300	39 x 51	290-880	315-960	800	31.5
4355B	1,100 x 1,400	43 x 55	400-900	440-990	875	34.4
4763B	1,200 x 1,600	47 x 63	550-1,100	605-1,210	960	37.6
5978B	1,500 x 2,000	59 x 78	700-1,450	770-1,595	1,200	47.2

SIZE OF MATERIAL	inch	mm	1.5" (38mm)	2" (50mm)	2.5" (63mm)	3" (76mm)	3.5" (88mm)	4" (101mm)	5" (127mm)	6" (152mm)	7" (177mm)	8" (203mm)	10" (254mm)	11" (279mm)	12" (304mm)
	18	457													100%
14	355												98	90	83
10	254									100%	100%	88	70	64	58
7	177							94	82	70	61	49	45	41	
5	127				100%	99	87	70	58	50	44	35	32	29	
3	76	100%	95	83	70	60	53	42	35	30	27	21	19	18	
2	50	85	70	57	48	40	35	28	24	20	18	14	13	12	
1	25	44	34	28	23	20	17	14	12	10	9	7	7	6	
0.5	12	22	18	15	12	10	9	7	6	5	5	4	4	3	

Projected crusher capacities are based on a material having a work index of 12-14, with a bulk density of 100 lbs/ft<sup>3</sup> (1.6 mt/m<sup>3</sup>). The feed grading must have less than 10% passing the crusher setting. The crusher drive assemblies are to be maintained in good working order with the ability to apply all available horsepower without drive belt slippage. Plant installation to ensure the crusher is able to operate continuously consuming the FLA rating of the motor(s) with the equipment able to accept and discharge material freely. For secondary cone crusher applications to be used in closed circuit applications consult Superior for capacity adjustments.

## MULTIPLE LINER CONFIGURATIONS



**STANDARD**



**CORRUGATED**



**SHARP TOOTH**



**BELLIED-FILLED**



**ANTI-SLAB**