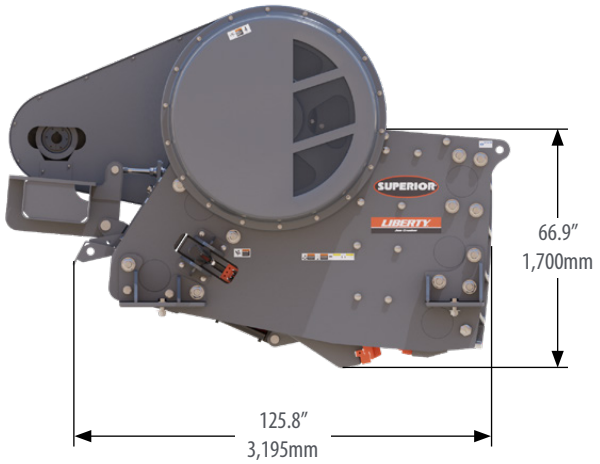
3055B LIBERTY® JAW CRUSHER

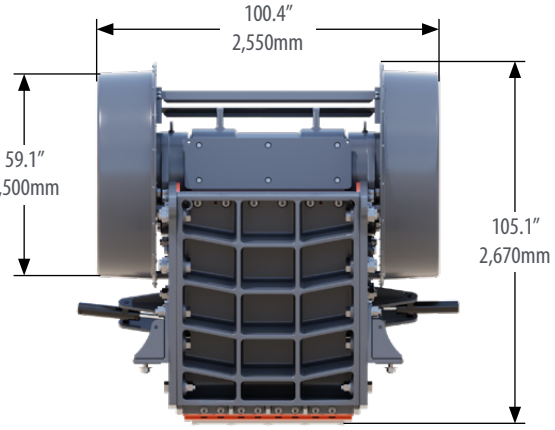
STANDARD FEATURES

- 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.
- Large bolted bearings that are easily replaceable.

General Specification	3055B	
	METRIC	IMPERIAL
Recommended Horsepower	160 kW	200 HP
Nominal Feed Opening	760 x 1,400 mm	30" x 55"
Crusher Weight (without Motors)	26,950 kg	59,000 lbs
CSS Setting Range	70 - 200 mm	2.75" - 8.00"
Capacity Range	240 - 780 mtph	265 - 855 stph
Operation RPM	260	260
Max Feed Size	610 mm	24"
Length of Fixed Jaw	1,600 mm	63"
Bearings		
Side	300 mm	11.9"
Eccentric	320 mm	12.6"
Stroke	~32 mm	~1.25"
Flywheel Diameter	1,500 mm	60"
Jaw Die Retention Device (Both Dies)	Wedge (bolt)	Wedge (bolt)
Cheek Plate Retention Device	Bolted	Bolted
Lubrication System	Grease	Grease
Barrel Protection	Yes	Yes
Standard Jaw Die Manganese %	18%	18%

DIMENSIONS





		PERCENT PASSING FOR A GIVEN CLOSED SIDE SETTING - AVERAGE FEED MATERIAL (12-14 work index)						
inch	mm	3″ (76mm)	3.5″ (88mm)	4″ (101mm)	5″ (127mm)	6″ (152mm)	7″ (177mm)	8″ (203mm)
18	457							
16	406							
14	355							
12	304							100%
10	254					100%	100%	88
8	203				100%	94	80	70
7	177				94	82	70	61
6	152		100%	100%	82	70	60	53
5	127	100%	99	87	70	58	50	44
4	101	92	80	70	56	47	40	35
3	76	70	60	53	42	35	30	27
2.5	63	59	50	44	35	29	25	22
2	50	48	40	35	28	24	20	18
1.5	38	35	30	26	21	18	15	14
1	25	23	20	17	14	12	10	9
0.75	19	18	15	13	11	9	8	7
0.5	12	12	10	9	7	6	5	5
0.25	6	6	5	5	4	3	3	2

SIZE OF MATERIAL

Feed size is determined by measuring the longest one-way dimension of the material sample.
Projected crusher capacities are based on a material having a work index of 12-14, with a bulk density of 100 lbs/ft^3 (1.6 mt/m^3). 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.