



UNIVERSAL MAXCAP IMPACT CRUSHER

McLanahan's Universal MaxCap Impact Crusher combines the best features of the Andreas and New Holland styles of primary crushers for a more effective crusher. The Universal MaxCap offers a large expansion crushing chamber like the New Holland style, with the crushing technology of the Andreas style for breaking material. Used in a variety of applications in the mining and aggregate industry, this impactor provides maximum crushing capacity while delivering a high-quality, cubical product at a lower cost-per-ton.

Heavy-Duty Design, Safe And Simple Maintenance

The main housing is made of heavy-duty fabricated steel plate comprised of an upper and lower section. Each section is equipped with inspection doors, as well as hatches on the sides and back to make maintenance and checking machine and hammer wear simple and safe. It's also equipped with a 15 HP electric/hydraulic power unit for the hydraulic cylinders that control the hood, secondary stage curtain wear plate, and feed plate.

Reliable Breaking And Crushing

The Universal MaxCap's adjust-on-the-fly mechanism with hydraulic relief and auto-reset simplifies making changes to the adjustable curtain and eliminates downtime. During operation, the feed plate can pivot hydraulically using a shim adjustment to vary the angle of feed into the impact zone and accommodate changes in material characteristics. The impact chambers and feed plate are comprised of interchangeable cast manganese plates for maximum wear life and impact resistance. Interior walls of the impact chambers are protected with replaceable abrasion resistant steel liners to provide extended wear life.

Standard And Optional Features

The Universal MaxCap comes standard with a solid steel rotor of heavy steel plate construction with keyless mounting of the rotor body to the shaft. It also comes with spherical roller bearings, and a quick change wedge system for retaining the one-piece hammers that make up this rotor assembly. The three rows of vertically installed heavy-duty curved manganese hammers are reversible and equipped with a protruding leading edge for optimum capacity. Customers also have the option of adding a third stage reduction attachment complete with replaceable liners for additional sizing control and product gradation. Other optional equipment available includes a crusher and motor sheave, along with a drive guard and jib crane.

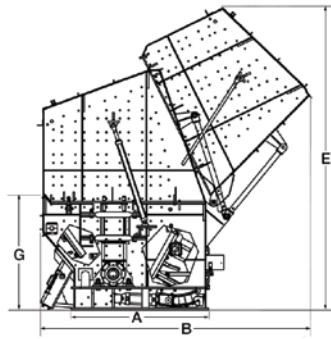


Front View That Accepts Unmatched Feed Size



Rear View With Easy Access For Maintenance And Repairs

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Dimensions

		MaxCap 600	MaxCap 750	MaxCap 1000	MaxCap 1400
A = Length at Base	in mm	97 2,464	100 2,540	119 3,023	126 3,200
B = Length at Hood Opening	in mm	186 4,724	199 5,055	226 5,740	239 6,071
C = Width at Housing	in mm	87 2,210	83 2,108	98 2,489	103 2,616
D = Width at Shaft	in mm	98 2,489	96 2,438	120 3,048	131 3,327
E = Height - Hood Open	in mm	189 4,801	220 5,588	260 6,604	268 6,807
F = Height - Hood Closed	in mm	151 3,835	175 4,445	208 5,283	215 5,461
G = Height To Feed Point	in mm	68 1,727	83 2,108	101 2,565	102 2,591

MaxCap 1400 includes shaft extension on both sides for dual drive. Width at shaft is 162" (4115mm) with shaft extension. MaxCap 600 feed plate hydraulic components extend past the face of the crusher by 6" (152mm).

Specifications

		MaxCap 600	MaxCap 750	MaxCap 1000	MaxCap 1400
Capacity Range*	STPH MTPH	600-800 544-726	750-1000 680-907	1000-1300 907-1179	1400-1800 1270-1633
Feed Opening (Width x Height)	in mm	50 x 48 1,270 x 1,219	50 x 50 1,270 x 1,270	60 x 60 1,524 x 1,524	60 x 60 1,524 x 1,524
Maximum Feed Size (Longest Dimension)	in mm	40 1,016	45 1,143	50 1,270	55 1,397
Discharge Opening (Width x Length)	in mm	50 x 80 1,270 x 2,032	53 x 94 1,270 x 2,388	60 x 94 1,524 x 2,388	60 x 98 1,524 x 2,490
Rotor (Diameter x Width)	in mm	44 x 50 1,118 x 2,032	48 x 50 1,219 x 1,270	52 x 60 1,321 x 1,524	58 x 60 1,473 x 1,524
Crusher Weight	lbs. kg	55,250 25,061	64,125 29,087	95,170 43,168	112,150 50,870
Rotor Speed (Recommended)	RPM	675	620	575	520
Horsepower	HP	300	400	500	700
Standard Hammers - Weight - Rows - Material	lbs. (kg)	1,182 (536) 3 x 1 Manganese	1,182 (536) 3 x 1 Manganese	1,538 (698) 3 x 1 Manganese	1,538 (698) 3 x 1 Manganese
Interior Breaker Plates (Wear Thickness)	in mm	2.0 50.8	2.0 50.8	2.0 50.8	2.0 50.8
Feed Plate & Lower Breaker Plate Liner (Wear Thickness)	in mm	2.0 50.8	2.0 50.8	2.0 50.8	2.0 50.8
Side Liners (Wear Thickness)	in mm	1.0 AR 25.4	1.0 AR 25.4	1.0 AR 25.4	1.5 AR 38.1

*Ratings are based on minus 6" (152mm) nominal output of the crusher only. The optional Third Stage Attachment further reduces the nominal top-size to approximately 4" (102mm). Capacity range accounts for overall reduction ratio and the friability of the material.

Optional Third Stage Reduction Attachment

		MaxCap 600	MaxCap 750	MaxCap 1000	MaxCap 1400
Weight	lbs. kg	2,465 1,115	2,480 1,125	2,680 1,216	2,680 1,216
Additional HP Required	HP	150	150	250	300