



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.

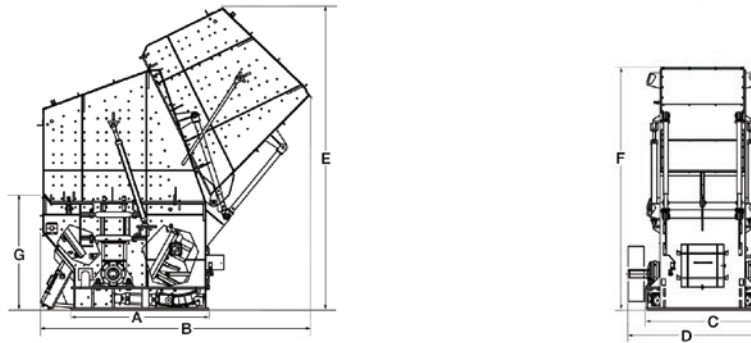


Front View That Accepts Unmatched Feed Size



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	97	100	119	126
	mm	2,464	2,540	3,023	3,200
B = Length at Hood Opening	in	186	199	226	239
	mm	4,724	5,055	5,740	6,071
C = Width at Housing	in	87	83	98	103
	mm	2,210	2,108	2,489	2,616
D = Width at Shaft	in	98	96	120	131
	mm	2,489	2,438	3,048	3,327
E = Height - Hood Open	in	189	220	260	268
	mm	4,801	5,588	6,604	6,807
F = Height - Hood Closed	in	151	175	208	215
	mm	3,835	4,445	5,283	5,461
G = Height To Feed Point	in	68	83	101	102
	mm	1,727	2,108	2,565	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	600-800	750-1000	1000-1300	1400-1800
	MTPH	544-726	680-907	907-1179	1270-1633
Feed Opening (Width x Height)	in	50 x 48	50 x 50	60 x 60	60 x 60
	mm	1,270 x 1,219	1,270 x 1,270	1,524 x 1,524	1,524 x 1,524
Maximum Feed Size (Longest Dimension)	in	40	45	50	55
	mm	1,016	1,143	1,270	1,397
Discharge Opening (Width x Length)	in	50 x 80	53 x 94	60 x 94	60 x 98
	mm	1,270 x 2,032	1,270 x 2,388	1,524 x 2,388	1,524 x 2,490
Rotor (Diameter x Width)	in	44 x 50	48 x 50	52 x 60	58 x 60
	mm	1,118 x 2,032	1,219 x 1,270	1,321 x 1,524	1,473 x 1,524
Crusher Weight	lbs.	55,250	64,125	95,170	112,150
	kg	25,061	29,087	43,168	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)	1,182 (536)	1,538 (698)	1,538 (698)
		3 x 1	3 x 1	3 x 1	3 x 1
		Manganese	Manganese	Manganese	Manganese
Interior Breaker Plates (Wear Thickness)	in	2.0	2.0	2.0	2.0
	mm	50.8	50.8	50.8	50.8
Feed Plate & Lower Breaker Plate Liner (Wear Thickness)	in	2.0	2.0	2.0	2.0
	mm	50.8	50.8	50.8	50.8
Side Liners (Wear Thickness)	in	1.0 AR	1.0 AR	1.0 AR	1.5 AR
	mm	25.4	25.4	25.4	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.	2,465	2,480	2,680	2,680
	kg	1,115	1,125	1,216	1,216
Additional HP Required	HP	150	150	250	300